

ORIGINAL

In the Matter of:
THE APPLICATION OF KENTUCKY UTILITIES COMPANY)
FOR CERTIFICATES OF PUBLIC CONVENIENCE AND) CASE NO.
NECESSITY AND APPROVAL OF ITS 2011 COMPLIANCE) 2011-00161
PLAN FOR RECOVERY BY ENVIRONMENTAL SURCHARGE)

In the Matter of:
THE APPLICATION OF LOUISVILLE GAS AND ELECTRIC)
COMPANY FOR CERTIFICATES OF PUBLIC CONVENIENCE) CASE NO.
AND NECESSITY AND APPROVAL OF ITS 2011 COMPLIANCE) 2011-00162
PLAN FOR RECOVERY BY ENVIRONMENTAL SURCHARGE)

**Vol. 1/2 of One Paper Copy of Workpapers for Responses to
the Commission Staff's Third Request for Information
Filed - November 3, 2011**

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COMMISSION

SORTED TABLE

Row	Coal Units in Portfolio													Portfolio PVR 2011 to 2040 (\$Million)				
	Trimble County 2	Trimble County 1	Mill Creek 3	Mill Creek 4	Ghent 1	Ghent 2	Ghent 3	Ghent 4	Brown 3	Mill Creek 1-2	Brown 1-2	Green River 4	Cane Run 5		Cane Run 6	Cane Run 4	Green River 3	Tyone 3
1	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,562
2	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,596
3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,782
4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,799
5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,855
6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,870
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,954
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,044
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,077
10	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,122
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,161
12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,208
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,253
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,326
15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,406
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,518
17	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,551
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,589
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,623

Coal Units in Portfolio

	Trimble County 2	Trimble County 1	Mill Creek 3	Mill Creek 4	Ghent 1	Ghent 2	Ghent 3	Ghent 4	Brown 3	Mill Creek 1-2	Brown 1-2	Green River 4	Cane Run 5	Cane Run 6	Cane Run 4	Green River 3	Tyrone 3	Portfolio PVRR 2011 to 2040 (\$Million)
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,161
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,077
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,954
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,406
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,855
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,870
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,782
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,799
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,623
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,551
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,596
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,253
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,518
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,589
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,208
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,326
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,044
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	35,562
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	36,122

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
Retiree:	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY
No.	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY
Retirements	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY	TY
2010																		
2011																		
2012																		
2013																		
2014																		
2015																		
2016	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(2)	3x1C(1)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)
2017	3x1C(1)																	
2018																		
2019																		
2020																		
2021																		
2022																		
2023																		
2024	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)
2025																		
2026																		
2027																		
2028																		
2029																		
2030	2x1C(1)	3x1C(1)																
2031																		
2032																		
2033																		
2034																		
2035	3x1C(1)	2x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)
2036																		
2037																		
2038																		
2039																		
2040																		

KFC3-3rd Data Request- Case 1 (Updated Fuel)

Discount Rate:

New Unit Capital and Production Cost

No Retirements

Table with columns: Year (2011-2034), SM, and various unit labels (e.g., Retire TY GR3 and GH3, Retire TY GR3 and GH4, etc.)

Production Cost

No Retirements

Table with columns: Year (2011-2034), SM, and various unit labels (e.g., Retire TY GR3 and GH3, Retire TY GR3 and GH4, etc.)

Production Cost Delta

No Retirements

Table with columns: Year (2011-2034), SM, and various unit labels (e.g., Retire TY GR3 and GH3, Retire TY GR3 and GH4, etc.)

New Unit Capital

No Retirements

Table with columns: Year (2011-2034), SM, and various unit labels (e.g., Retire TY GR3 and GH3, Retire TY GR3 and GH4, etc.)

Discount Rate:

6.71%

Main data table with columns for years (2011-2033) and rows for various retirement scenarios like Retire TY GR3 CR and GH1, Retire TY GR and CR, etc.

New Unit Capital Delta

Table showing No Retirements for New Unit Capital Delta, with columns for years and values.

New Controls Capital Delta

Table showing No Retirements for New Controls Capital Delta, with columns for years and values.

Table with columns for Year (2011-2033), SM, NPVRR, and various fuel categories like MTP Capital, Landfill Capital, and No Retirements. The table contains numerical values for each category and year, showing trends over time.

	SM	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
No Retirements																								
Retiree TY	-37	0	-1,323	1,043	29,762	30,502	27,025	-17,850	-18,469	-17,641	-16,874	-16,163	-15,611	-15,188	-14,765	-14,412	-14,139	-11,893	2,254	17,334	28,314	31,890	27,985	-30,541
Retiree TY and GR3	-10	0	-1,323	-4,168	-6,456	-7,399	-8,751	-9,210	-10,265	-9,808	-9,205	-8,488	-7,644	-6,789	-5,923	-5,046	-4,159	-3,269	-2,374	-1,474	-517	-24,147	-23,285	-22,499
Retiree TY GR3 and BR3	145	0	-204	-2,854	-9,874	-16,498	-20,975	-14,787	-25,208	68,451	93,239	57,075	5,826	-26,829	8,159	58,518	89,023	47,448	-11,849	-56,488	-62,009	-4,260	59,470	97,646
Retiree TY GR3 and CR4	-210	-1,322	-8,171	-24,685	-46,496	-44,737	-43,786	-41,689	-39,449	-31,803	-24,465	-17,023	-9,723	-2,643	-37,318	-27,807	15,158	18,755	4,435	-25,477	-39,237	-21,229	-12,238	40,842
Retiree TY GR3 CR4 and CR6	-283	-2,432	-11,751	-33,887	-60,964	-58,877	-60,188	-51,726	-48,559	-30,494	-21,465	-14,765	-9,723	-5,246	-2,468	-4,033	33,035	-10,048	-53,012	-65,372	-55,163	2,874	56,179	63,553
Retiree TY GR3 CR4 CR6 and BR1-2	-200	-489	-6,506	-15,709	-28,761	-28,127	-1,962	32,045	15,948	-18,459	-53,116	-56,149	-8,957	-33,928	-24,473	-16,879	-57,602	-69,409	-59,418	-4,659	46,357	32,668	-14,922	-67,793
Retiree TY GR3 CR4 and GH3	89	-115	-565	-1,362	18,092	36,622	38,797	9,915	4,472	13,222	34,576	35,636	-35,870	5,442	-10,013	-1,984	-29,754	-42,369	-35,181	4,876	57,766	32,989	-19,657	-60,854
Retiree TY GR3 CR4 and GH1	129	-106	-4,894	-5,973	20,376	57,247	71,751	38,759	8,197	-37,642	-6,548	39,580	66,949	33,442	-8,626	-14,607	-60,187	-25,338	-27,478	-22,467	-59,921	-37,657	13,044	52,751
Retiree TY GR CR and MCL-2	-53	0	-1,885	-5,910	-9,784	-5,511	24,916	26,153	12,024	-11,421	-22,314	-14,853	24,026	30,519	-68,392	-13,512	-26,427	-25,338	27,478	61,271	31,271	-16,355	-51,267	-52,843
Retiree TY GR CR and MCL-1	-28	-862	-12,710	-21,482	1,617	20,964	9,176	-23,829	-50,892	-19,032	37,488	55,659	20,426	-30,519	-68,392	-13,512	-26,427	-25,338	27,478	61,271	31,271	-16,355	-51,267	-52,843
Retiree TY GR CR and TCI	241	0	2,991	35,022	62,048	45,576	11,131	-22,987	-37,248	-2,965	41,597	67,787	30,831	-21,889	-62,068	-49,408	-19,374	33,956	64,927	20,339	-13,667	-59,137	-66,450	-47,701
Retiree TY GR CR and GH4	117	-122	-527	1,374	30,448	56,133	30,581	-4,031	-32,845	-2,965	41,597	67,787	30,831	-21,889	-62,068	-49,408	-19,374	33,956	64,927	20,339	-13,667	-59,137	-66,450	-47,701
Retiree TY GR CR and MCL-2	110	0	-1,379	-4,159	22,529	47,195	30,275	-3,799	-25,565	-47,493	-1,590	41,870	6,048	-5,959	-89,711	-90,002	-40,126	13,945	45,674	2,046	-60,456	-65,489	-68,255	-7,421
Retiree TY GR CR and GH2	-101	-11	-3,511	-3,074	22,392	45,149	34,901	-25,565	-62,837	-31,501	34,624	41,870	6,048	-5,959	-89,711	-90,002	-40,126	13,945	45,674	2,046	-60,456	-65,489	-68,255	-7,421
Retiree TY GR CR and MCL-1	-408	0	-7,206	-19,811	-5,896	-16,616	-48,908	-81,705	-84,627	-47,168	-9,889	-3,763	47,903	20,981	11,050	-44,383	-103,546	-137,937	-90,146	-44,883	-103,546	-137,937	-90,146	-23,748
Retiree TY GR CR BR1-2 and MCL-2	-162	-489	-6,506	-10,518	12,777	41,442	23,509	-16,448	-56,826	-65,466	-56,719	-17,000	-12,439	-24,558	-49,822	-61,862	-52,831	-830	47,177	34,592	-12,135	-57,456	-67,394	-57,977
Retiree TY GR CR BR1-2 and MCL-1	-502	0	-7,206	-25,001	-47,434	-91,639	-108,505	-73,031	-39,525	-3,659	-1,804	-41,618	-81,397	-69,371	-27,307	-14,660	20,046	-32,498	-81,041	-70,022	-24,578	20,658	33,141	23,253
Retirement O&M Cost																								
No Retirements																								
Retiree TY	2	0	0	0	0	0	2,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY and GR3	3	0	0	0	0	0	4,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and BR3	5	0	0	0	0	0	6,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and CR4	6	0	0	0	0	0	8,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 CR6 and BR1-2	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 CR6 and CR	8	0	0	0	0	0	10,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 and GH3	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 and GH1	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MCL-2	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and TCI	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and GH4	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MCL-2	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and GH2	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MCL-1	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR BR1-2 and MCL-2	15	0	0	0	0	0	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retirement O&M Cost Delta																								
No Retirements																								
Retiree TY	2	0	0	0	0	0	2,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY and GR3	3	0	0	0	0	0	4,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and BR3	5	0	0	0	0	0	6,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and CR4	6	0	0	0	0	0	8,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 CR6 and BR1-2	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 CR6 and CR	8	0	0	0	0	0	10,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 and GH3	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 and GH1	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MCL-2	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and TCI	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and GH4	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MCL-2	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and GH2	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MCL-1	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR BR1-2 and MCL-2	15	0	0	0	0	0	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Unit Fixed O&M																								
No Retirements																								
Retiree TY	3,421	214,901	219,007	210,243	214,448	218,737	223,112	227,574	232,125	236,766	241,503	246,333	251,260	256,285	261,411	266,639	271,972	277,411	282,959	288,619	294,391	300,279	306,284	312,410
Retiree TY and GR3	3,416	214,901	219,007	210,243	214,448	218,737	222,668	227,121	231,663	236,297	241,023	245,848	250,760	255,775	260,891	266,108	271,431	276,859	282,396	288,044	293,805	299,681	305,675	311,788
Retiree TY GR3 and BR3	3,365	214,901	219,007	210,243	214,448	218,737	218,044	222,402	226,850	231,387														

Discount Rate:

6.71%

Retiree	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retiree TY	36.661	1.165533	1.295788	1.552524	1.904791	2.121164	2.460729	2.954604	3.621874	4.625737	5.772498	7.272498	9.289412	11.863811	15.04187	18.87609	23.41868	28.74288	34.91522	41.99566	49.94579	58.73151	68.41562	78.95464
Retiree TY and GR3	36.594	1.165533	1.295788	1.552524	1.904791	2.121164	2.460729	2.954604	3.621874	4.625737	5.772498	7.272498	9.289412	11.863811	15.04187	18.87609	23.41868	28.74288	34.91522	41.99566	49.94579	58.73151	68.41562	78.95464
Retiree TY GR3 and GR4	36.443	1.165211	1.358261	1.645692	1.885504	2.120408	2.399536	2.708151	3.051294	3.434067	3.851536	4.308042	4.800586	5.324179	5.875811	6.451484	7.048207	7.662989	8.292831	8.935743	9.593726	10.263691	10.942536	11.627270
Retiree TY GR3 CR4 and CR6	36.459	1.161778	1.338543	1.489305	1.796304	2.071413	2.361912	2.668691	2.997066	3.353444	3.741206	4.156381	4.603999	5.088638	5.607381	6.155236	6.729207	7.325184	7.940266	8.571451	9.215636	9.870719	10.534694	11.204558
Retiree TY GR3 CR4 and BR1-2	36.381	1.161289	1.332037	1.474097	1.704704	1.932323	2.183681	2.523443	2.883344	3.268338	3.683338	4.133338	4.613338	5.123338	5.663338	6.233338	6.833338	7.453338	8.093338	8.753338	9.433338	10.133338	10.853338	11.593338
Retiree TY GR3 CR and CR4	37.193	1.160337	1.329274	1.462392	1.708810	2.028110	2.378511	2.765311	3.183311	3.637311	4.123311	4.637311	5.183311	5.763311	6.373311	7.013311	7.673311	8.353311	9.053311	9.773311	10.513311	11.273311	12.053311	12.853311
Retiree TY GR3 CR and GR1	37.112	1.160265	1.328885	1.461848	1.706958	2.026779	2.369581	2.751581	3.168581	3.615581	4.097581	4.609581	5.153581	5.733581	6.343581	6.983581	7.653581	8.343581	9.053581	9.783581	10.533581	11.303581	12.093581	12.903581
Retiree TY GR CR and MCL2	36.820	1.159580	1.318184	1.456001	1.702136	2.018136	2.362808	2.748713	3.169113	3.619113	4.095113	4.601113	5.137113	5.703113	6.297113	6.919113	7.569113	8.247113	8.953113	9.687113	10.447113	11.231113	12.039113	12.871113
Retiree TY GR CR and TCI	37.089	1.160452	1.327887	1.465857	1.707259	2.027559	2.374216	2.797685	3.251172	3.734685	4.243685	4.783685	5.353685	5.953685	6.583685	7.243685	7.933685	8.643685	9.373685	10.123685	10.893685	11.683685	12.493685	13.323685
Retiree TY GR CR and GR4	36.772	1.160452	1.326515	1.461815	1.705058	2.026904	2.383154	2.795457	3.247957	3.734957	4.249957	4.794957	5.369957	5.974957	6.609957	7.274957	7.969957	8.684957	9.419957	10.174957	10.949957	11.744957	12.559957	13.394957
Retiree TY GR CR and GR2	36.597	1.160440	1.326687	1.461949	1.705269	2.027139	2.383389	2.795688	3.248188	3.735188	4.249188	4.794188	5.369188	5.974188	6.609188	7.274188	7.969188	8.684188	9.419188	10.174188	10.949188	11.744188	12.559188	13.394188
Retiree TY GR CR and MCL-2	36.138	1.159452	1.320687	1.457672	1.700468	2.018368	2.362968	2.748068	3.168468	3.618468	4.094468	4.600468	5.136468	5.702468	6.296468	6.918468	7.568468	8.246468	8.952468	9.686468	10.446468	11.230468	12.038468	12.872468
Retiree TY GR CR and BR1-2	36.362	1.159452	1.321388	1.458388	1.701388	2.019288	2.363888	2.748988	3.169388	3.619388	4.095388	4.601388	5.137388	5.703388	6.297388	6.919388	7.569388	8.247388	8.953388	9.687388	10.447388	11.231388	12.039388	12.871388
Retiree TY GR CR BR1-2 and MCL-2	36.662	1.159452	1.321388	1.458388	1.701388	2.019288	2.363888	2.748988	3.169388	3.619388	4.095388	4.601388	5.137388	5.703388	6.297388	6.919388	7.569388	8.247388	8.953388	9.687388	10.447388	11.231388	12.039388	12.871388

Total Retirement Requirements Delta

No Retirements

Retiree TY	-84	0	-1.323	1.043	28.337	28.854	-17.283	-21.579	-22.882	-20.913	-18.446	-13.525	-10.502	-4.318	-13.008	-16.447	-11.848	-9.979	24.054	23.853	18.618	5.978	-54.338	
Retiree TY and GR3	-120	0	-1.323	-1.148	-9.408	-10.781	-14.542	-16.842	-17.871	-17.871	-15.476	-7.514	34.686	-40.353	-35.424	-38.852	-43.677	-48.136	-52.502	-56.991	-62.722	-69.722	-78.244	-88.244
Retiree TY GR3 and GR4	98	-1.372	-8.171	-24.685	-44.289	-40.976	-44.188	-42.707	-38.382	-32.103	20.876	42.265	-33.358	-39.713	-23.142	-8.808	58.841	57.537	-14.025	-18.703	-16.533	5.210	15.063	82.264
Retiree TY GR3 CR4 and CR6	16	-2.431	-51.751	-33.887	-54.191	-48.895	-43.345	-32.110	21.709	79.447	16.137	-67.548	-43.481	-17.481	-11.655	59.937	-26.376	-28.376	-10.908	17.125	68.734	-47.150	90.121	174.585
Retiree TY GR3 CR4 and BR1-2	57	-489	-6506	-15709	-32.829	-34.111	3.384	61.469	-66.168	-43.814	16.469	73.714	16.469	55.975	-82.392	-97.624	-21.719	42.448	114.521	25.365	-47.025	-38.520	-30.520	-30.343
Retiree TY GR3 CR and CR	83	-114	-585	-8.764	-26.412	-46.187	-49.403	-42.476	-40.381	-44.495	-34.272	-12.268	34.655	49.568	-28.402	-14.841	-32.279	33.559	108.779	25.056	-44.324	-30.343	-30.343	-30.343
Retiree TY GR3 CR and GR1	72	-187	-4.894	-14.548	5.340	33.912	78.988	12.323	11.607	81.305	87.159	87.159	65.677	136.944	129.358	61.170	2.860	32.820	127.865	133.998	114.442	36.180	69.250	173.894
Retiree TY GR CR and MCL2	-207	0	-1.885	-5.910	-43.871	-10.160	24.952	28.918	-34.652	-54.882	-34.340	-23.517	17.663	-656	-12.804	-53.739	17.932	30.417	-30.772	11.346	1.685	-19	-10.551	-10.551
Retiree TY GR CR and TCI	638	-862	-17.710	-21.483	-983	9.286	24.914	-47.031	-33.139	50.568	116.272	108.717	43.669	-656	12.804	-53.739	17.932	30.417	-30.772	11.346	1.685	-19	-10.551	-10.551
Retiree TY GR CR and GR4	900	0	1.790	35.023	60.284	69.951	-13.104	-1.959	31.651	94.673	166.356	166.356	67.487	56.649	157.946	205.507	187.718	110.629	23.653	47.008	67.684	112.248	210.545	210.545
Retiree TY GR CR and GR2	970	-122	-5.717	30.448	58.108	70.349	-10.336	-4.120	81.300	145.032	134.415	69.449	22.004	36.715	72.878	165.289	227.163	181.228	24.590	68.678	134.862	217.287	217.287	217.287
Retiree TY GR CR and MCL2	689	-11	-3.645	-4.668	18.266	19.244	-29.887	-40.402	-33.947	-4.480	64.027	63.944	5.165	15.348	42.279	117.208	168.031	156.668	94.370	-1.913	25.576	45.310	117.415	117.415
Retiree TY GR CR and BR1-2	414	0	-7.206	-19.811	-8.896	30.169	-1.295	-98.619	-99.885	47.183	35.325	-2.379	-39.290	-38.588	-29.653	-7.900	52.407	111.233	-23.427	-23.427	-30.668	104.397	206.480	206.480
Retiree TY GR CR BR1-2 and MCL-2	-45	-489	-6506	-10.519	8.919	35.617	5.522	-70.369	-81.746	-57.430	-40.011	18.211	41.770	-39.290	-38.588	-29.653	-7.900	52.407	111.233	-23.427	-23.427	-30.668	104.397	206.480
Retiree TY GR CR BR1-2 and MCL-2	525	0	-7.206	-25.001	-47.434	-104.952	61.571	1.378	73.196	62.772	24.714	-17.988	-56.121	44.238	154.406	132.483	110.469	55.794	-304	90.146	180.421	158.539	160.956	156.992

Total Revenue Requirements Cumulative Delta

No Retirements

Retiree TY	0	-1.523	-280	26.058	56.912	39.629	18.050	-4.992	-25.846	-44.291	-57.816	-66.317	-72.635	-85.643	-102.091	-113.575	-123.554	-117.005	-92.951	-69.098	-50.480	-44.502	-58.839	
Retiree TY and GR3	0	-1.323	-5.471	-14.878	-25.659	-40.201	-57.042	-74.914	-90.390	-97.905	-63.219	-22.866	-58.290	-97.342	-119.933	-129.285	-96.984	-56.844	-89.641	-126.363	-164.707	-199.338	-242.502	-292.582
Retiree TY GR3 and GR4	0	-204	-3.058	-12.933	-34.635	-50.621	-61.954	-4.446	-11.501	208.723	204.697	212.420	202.283	268.051	411.738	525.097	582.056	584.633	582.714	571.948	564.633	674.213	843.477	992.868
Retiree TY GR3 CR4 and CR6	-1.322	-4.432	-14.184	-38.070	-102.261	-151.256	-194.600	-226.810	-205.101	-125.654	-109.517	-177.065	-238.026	-275.748	-299.891	-307.696	-249.156	-191.618	-205.643	-224.346	-240.879	-235.668	-220.815	-138.351
Retiree TY GR3 CR4 and BR1-2	-489	-6.995	-21.704	-55.533	-89.644	-63.513	1.198	4.582	17.887	-134.047	-186.861	-170.402	-96.688	-80.239	-136.214	-218.606	-256.029	-277.500	-225.061	-170.540	-95.175	-142.250	-180.770	-180.770
Retiree TY GR3 CR and CR	-1.326	-10.090	-36.502	-82.669	-126.092	-153.368	-141.419	-114.974	-155.355	-199.848	-234.120	-255.388	-220.733	-171.225	-97.627	-259.971	-274.812	-280.091	-246.741	-137.862	-112.806	-127.830	-186.172	-186.172
Retiree TY GR3 CR and GR1	-117	-5.081	-19.629	-44.250	-19.659	108.522	136.865	105.158	93.807	159.484	296.428	419.786	480.906											

Discount Rate:

6.71%

MPWR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retire Ty and GR3	35,954	1,159,645	1,239,568	1,483,150	1,629,364	1,104,160	2,347,253	2,356,638	2,501,996	2,510,990	2,648,970	2,745,035	2,852,977	2,864,724	2,954,651	2,746,015	2,746,015	2,526,559	2,566,578	2,710,085	2,757,455	2,855,667	2,892,569
Retire Ty GR3 and BR3	36,406	1,159,645	1,239,568	1,483,150	1,629,364	1,104,160	2,347,253	2,356,638	2,501,996	2,510,990	2,648,970	2,745,035	2,852,977	2,864,724	2,954,651	2,746,015	2,746,015	2,526,559	2,566,578	2,710,085	2,757,455	2,855,667	2,892,569
Retire Ty GR3 and CR4	35,850	1,152,323	1,245,397	1,458,465	1,781,752	2,005,696	2,202,958	2,353,161	2,483,765	2,530,331	2,660,337	2,778,407	2,885,379	2,893,377	2,963,420	2,746,015	2,746,015	2,526,559	2,566,578	2,710,085	2,757,455	2,855,667	2,892,569
Retire Ty GR3 CR4 and CR6	35,870	1,149,890	1,273,646	1,424,578	1,723,972	2,005,696	2,202,958	2,353,161	2,483,765	2,530,331	2,660,337	2,778,407	2,885,379	2,893,377	2,963,420	2,746,015	2,746,015	2,526,559	2,566,578	2,710,085	2,757,455	2,855,667	2,892,569
Retire Ty GR3 CR4 and BR1-2	35,792	1,149,890	1,273,646	1,424,578	1,723,972	2,005,696	2,202,958	2,353,161	2,483,765	2,530,331	2,660,337	2,778,407	2,885,379	2,893,377	2,963,420	2,746,015	2,746,015	2,526,559	2,566,578	2,710,085	2,757,455	2,855,667	2,892,569
Retire Ty GR3 CR and CR	35,799	1,148,564	1,264,317	1,398,167	1,672,650	1,957,493	2,232,037	2,332,066	2,489,698	2,549,960	2,611,643	2,688,629	2,729,744	2,730,912	2,799,737	2,572,831	2,572,831	2,353,161	2,393,398	2,537,170	2,589,325	2,693,422	2,732,247
Retire Ty GR3 CR and GH1	36,623	1,148,449	1,264,317	1,398,167	1,672,650	1,957,493	2,232,037	2,332,066	2,489,698	2,549,960	2,611,643	2,688,629	2,729,744	2,730,912	2,799,737	2,572,831	2,572,831	2,353,161	2,393,398	2,537,170	2,589,325	2,693,422	2,732,247
Retire Ty GR3 CR and GH3	36,623	1,148,449	1,264,317	1,398,167	1,672,650	1,957,493	2,232,037	2,332,066	2,489,698	2,549,960	2,611,643	2,688,629	2,729,744	2,730,912	2,799,737	2,572,831	2,572,831	2,353,161	2,393,398	2,537,170	2,589,325	2,693,422	2,732,247
Retire Ty GR and CR	35,596	1,148,564	1,262,997	1,392,257	1,658,737	1,947,376	2,225,735	2,316,667	2,478,518	2,529,053	2,599,063	2,671,890	2,714,114	2,714,114	2,789,771	2,562,865	2,562,865	2,343,959	2,384,596	2,521,424	2,573,579	2,678,684	2,717,070
Retire Ty GR and MC4	36,233	1,147,702	1,250,287	1,370,774	1,637,439	1,920,637	2,203,735	2,293,735	2,447,518	2,499,063	2,571,890	2,614,515	2,621,874	2,621,874	2,700,429	2,473,523	2,473,523	2,254,617	2,295,254	2,432,084	2,484,239	2,589,345	2,628,008
Retire Ty GR and TC1	36,518	1,148,564	1,262,997	1,392,257	1,637,439	1,920,637	2,203,735	2,293,735	2,447,518	2,499,063	2,571,890	2,614,515	2,621,874	2,621,874	2,700,429	2,473,523	2,473,523	2,254,617	2,295,254	2,432,084	2,484,239	2,589,345	2,628,008
Retire Ty GR and GH4	36,518	1,148,564	1,262,997	1,392,257	1,637,439	1,920,637	2,203,735	2,293,735	2,447,518	2,499,063	2,571,890	2,614,515	2,621,874	2,621,874	2,700,429	2,473,523	2,473,523	2,254,617	2,295,254	2,432,084	2,484,239	2,589,345	2,628,008
Retire Ty GR and MC3	36,208	1,148,564	1,261,618	1,386,554	1,677,664	1,976,800	2,266,535	2,322,973	2,466,789	2,533,919	2,619,618	2,684,833	2,721,724	2,721,724	2,801,753	2,574,847	2,574,847	2,355,941	2,396,578	2,533,406	2,585,561	2,690,666	2,729,020
Retire Ty GR and GH2	36,528	1,148,564	1,261,618	1,386,554	1,677,664	1,976,800	2,266,535	2,322,973	2,466,789	2,533,919	2,619,618	2,684,833	2,721,724	2,721,724	2,801,753	2,574,847	2,574,847	2,355,941	2,396,578	2,533,406	2,585,561	2,690,666	2,729,020
Retire Ty GR and MCI-2	35,582	1,148,074	1,256,491	1,381,738	1,668,107	1,963,956	2,264,203	2,293,881	2,397,345	2,479,650	2,560,035	2,673,861	2,693,127	2,695,429	2,789,923	2,562,017	2,562,017	2,343,111	2,384,748	2,521,576	2,573,731	2,678,836	2,717,187
Retire Ty GR CR BR1-2 and MCI-2	36,122	1,148,074	1,249,285	1,355,737	1,620,673	1,875,560	2,139,730	2,209,256	2,473,258	2,493,981	2,587,780	2,659,081	2,695,391	2,697,941	2,792,442	2,565,536	2,565,536	2,346,630	2,388,267	2,525,095	2,577,250	2,682,355	2,720,707

Total BR Minus Emissions Expense Delta

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire Ty	-84	0	-1,323	1,043	27,657	27,816	-16,202	-21,568	-22,385	-20,316	-18,447	-13,521	-10,498	-4,313	-13,006	-16,452	-11,486	-9,983	6,545	24,049	23,905	18,686	6,047	-54,258
Retire Ty and GR3	-121	0	-1,323	-1,448	-9,679	-11,081	-14,519	-16,804	-17,884	-15,610	-7,651	34,480	40,081	-35,370	-39,006	-21,982	-9,584	-32,657	-33,190	-46,985	-32,617	-30,857	-28,487	
Retire Ty GR3 and BR3	451	0	-204	-2,854	-9,674	-11,321	-17,973	-2,094	48,309	116,900	95,004	32,951	-27,623	-9,870	66,635	143,852	113,773	62,294	-19,989	-6,656	17,949	92,956	170,304	150,191
Retire Ty GR3 and CR4	-99	-1,322	-4,171	-24,685	-47,512	-44,483	-44,795	-42,817	-38,043	-20,937	21,417	42,382	-39,212	-27,727	-8,411	59,063	58,014	-13,122	-15,919	5,785	15,619	81,991		
Retire Ty GR3 CR4 and CR6	14	-2,432	-11,751	-33,887	-58,781	-54,604	-43,639	-37,415	-22,660	79,991	17,065	-66,676	-42,723	-16,897	42,039	116,664	60,287	-25,748	-27,506	-10,027	7,965	69,506	145,119	91,932
Retire Ty GR3 CR4 and BR1-2	98	-149	-6,506	-35,709	-32,573	-43,900	27,188	66,200	4,085	-80,428	-65,558	-43,001	17,087	74,257	17,377	-54,972	-81,575	-36,687	-20,724	43,224	115,270	26,557	-45,523	-37,444
Retire Ty GR3 and CR	70	-126	-8,764	-26,412	-50,322	-27,381	11,940	76,999	-39,485	-43,671	-38,671	-20,721	18,276	59,432	25,432	-61,543	-41,932	-34,019	108,578	76,001	-43,880	-29,575		
Retire Ty GR3 CR and GH3	824	-114	-865	-13,962	18,092	31,114	77,718	15,515	14,023	83,832	89,816	87,268	85,600	64,024	6,023	35,550	126,857	179,696	136,528	117,881	39,524	71,625	154,862	
Retire Ty GR3 CR and GH1	752	-187	-4,894	-13,996	7,696	34,411	90,557	30,325	-28,762	-8,310	89,220	139,185	126,337	64,024	6,023	35,550	126,857	179,696	136,528	117,881	39,524	71,625	154,862	
Retire Ty GR and CR	-203	0	-1,885	-5,910	-13,913	-10,028	25,110	29,179	-36,093	-54,594	-46,154	18,031	25,781	18,031	25,781	18,031	25,781	18,031	25,781	18,031	25,781	18,031	25,781	
Retire Ty GR and MC4	657	-862	42,710	-31,483	-1,243	2,680	26,597	-45,208	-30,861	53,198	118,532	111,952	46,154	2,756	15,749	56,487	130,397	207,869	190,355	113,080	25,669	49,487	70,298	30,024
Retire Ty GR CR and TC1	921	0	0	2,990	35,023	69,296	71,514	-11,664	351	33,857	96,934	169,713	99,555	26,255	17,265	47,475	88,812	160,303	184,560	101,542	27,578	66,443	137,500	220,203
Retire Ty GR CR and GH4	993	-122	-527	1,374	30,448	55,115	71,712	-10,613	2,238	83,685	147,248	137,038	71,844	24,681	39,315	75,473	167,947	239,827	184,560	101,542	27,578	66,443	137,500	220,203
Retire Ty GR CR and MC3	612	0	-1,379	-5,702	19,428	40,222	31,377	-38,913	-31,700	-2,486	66,191	136,658	69,873	-4,812	17,779	40,106	125,884	170,132	159,309	89,821	795	28,005	111,056	119,980
Retire Ty GR CR and MCI-2	730	-11	-3,645	-4,668	18,351	28,990	56,387	-24,648	-26,721	-40,089	120,167	106,642	53,772	-4,195	19,744	45,811	120,404	203,668	162,058	98,432	860	53,664	111,056	182,945
Retire Ty GR CR and BR1-2	448	0	-7,006	-19,811	-5,896	-33,337	7,672	-89,750	-47,261	49,682	38,035	38,270	681	-36,448	41,524	133,338	161,062	122,484	116,816	60,476	-20,197	34,820	107,516	209,347
Retire Ty GR CR and MCI-2	-34	-489	-6,506	-10,519	-9,370	36,620	7,055	68,004	-81,175	65,704	-39,412	-14,000	42,528	-38,410	-38,545	-28,828	572	59,769	114,116	35,011	-57,500	-26,970	-25,065	-4,063
Retire Ty GR CR BR1-2 and MCI-2	560	0	-7,206	-25,001	-47,434	-108,436	70,527	10,415	-52,789	47,666	-14,772	-13,514	47,666	-13,514	135,711	119,347	59,994	3,107	93,442	183,623	161,967	164,402	160,610	

Discount Rate:

2058

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New Unit Capital and Production Cost

No Retirements	5,436,032	5,562,541	5,654,294	5,733,581	5,919,925	5,985,865	4,175,192
Retiree TY	3,357,657	3,547,073	3,644,074	3,751,617	3,920,196	3,986,723	4,179,013
Retiree TY GR and BR3	3,362,653	3,544,839	3,636,121	3,743,107	3,924,618	4,013,608	4,200,119
Retiree TY GR and BR4	3,501,769	3,637,157	3,727,628	3,843,283	4,036,642	4,133,413	4,299,544
Retiree TY GR CR and CR4	3,534,932	3,659,508	3,785,676	3,874,771	4,054,363	4,164,344	4,356,401
Retiree TY GR CR CR4 and BR1-2	3,558,264	3,702,014	3,845,571	3,955,880	4,158,645	4,232,955	4,440,170
Retiree TY GR CR and CR4	3,591,619	3,777,457	3,874,197	3,991,759	4,150,224	4,237,607	4,434,866
Retiree TY GR CR and CR4	3,780,037	3,909,602	4,021,908	4,134,899	4,302,701	4,444,388	4,633,754
Retiree TY GR CR and CR4	3,837,232	3,944,484	4,072,171	4,176,151	4,347,769	4,450,092	4,638,482
Retiree TY GR CR and MCA	3,560,514	3,702,508	3,839,959	3,960,563	4,153,673	4,234,705	4,439,181
Retiree TY GR CR and MCA	3,619,869	3,967,046	4,056,024	4,181,706	4,317,913	4,439,354	4,632,375
Retiree TY GR CR and TCI	3,841,220	3,954,659	4,067,978	4,165,670	4,342,789	4,420,525	4,634,663
Retiree TY GR CR and MCA	3,640,383	3,972,377	4,054,011	4,132,884	4,354,177	4,453,156	4,651,620
Retiree TY GR CR and MCA	3,618,999	3,922,071	4,045,613	4,150,001	4,320,456	4,401,873	4,610,314
Retiree TY GR CR and MCA	3,648,450	3,983,452	4,087,577	4,195,402	4,369,789	4,455,970	4,658,154
Retiree TY GR CR and MCA	3,664,475	3,991,074	4,096,004	4,225,026	4,407,389	4,524,688	4,721,236
Retiree TY GR CR and BR1-2	3,666,754	3,860,155	3,947,512	4,062,433	4,240,042	4,351,837	4,538,654
Retiree TY GR CR BR1-2 and MCA	3,891,511	4,031,666	4,184,714	4,324,326	4,502,758	4,619,881	4,815,600

Production Cost

No Retirements	3,049,504	3,140,783	3,233,227	3,350,397	3,534,100	3,615,546	3,818,578
Retiree TY	3,024,366	3,168,986	3,243,672	3,355,563	3,541,497	3,623,608	3,829,749
Retiree TY GR and BR3	3,035,147	3,182,115	3,250,837	3,361,926	3,550,462	3,633,506	3,821,747
Retiree TY GR and BR4	3,092,315	3,234,438	3,349,856	3,480,089	3,679,042	3,769,582	3,938,112
Retiree TY GR CR and CR4	3,105,959	3,197,136	3,287,718	3,409,077	3,595,129	3,672,542	3,887,495
Retiree TY GR CR CR4 and BR1-2	3,125,478	3,266,789	3,387,944	3,511,577	3,696,563	3,800,513	3,994,569
Retiree TY GR CR and CR4	3,183,140	3,342,666	3,481,224	3,594,760	3,779,033	3,858,411	4,071,861
Retiree TY GR CR and CR4	3,207,795	3,359,689	3,434,683	3,556,619	3,733,065	3,837,688	4,050,719
Retiree TY GR CR and CR4	3,329,506	3,477,397	3,605,760	3,734,420	3,908,746	4,045,333	4,238,028
Retiree TY GR CR and CR4	3,369,976	3,464,953	3,585,215	3,748,449	3,907,083	4,006,132	4,230,862
Retiree TY GR CR and MCA	3,195,390	3,343,180	3,475,612	3,589,943	3,774,051	3,857,161	4,070,872
Retiree TY GR CR and TCI	3,337,848	3,488,129	3,595,897	3,738,076	3,891,339	4,028,684	4,237,851
Retiree TY GR CR and MCA	3,394,965	3,474,728	3,591,023	3,707,868	3,902,114	3,996,585	4,226,443
Retiree TY GR CR and MCA	3,356,362	3,493,460	3,593,884	3,749,731	3,927,584	4,042,726	4,257,076
Retiree TY GR CR and MCA	3,371,743	3,442,140	3,568,857	3,692,099	3,879,771	3,977,533	4,202,684
Retiree TY GR CR and MCA	3,366,429	3,504,515	3,627,450	3,752,272	3,943,187	4,045,500	4,249,610
Retiree TY GR CR and MCA	3,404,340	3,532,440	3,654,589	3,800,318	3,990,180	4,103,348	4,303,589
Retiree TY GR CR and BR1-2	3,283,500	3,443,232	3,509,579	3,630,152	3,816,336	3,923,234	4,113,831
Retiree TY GR CR BR1-2 and MCA	3,460,276	3,616,049	3,756,012	3,911,664	4,095,040	4,194,318	4,399,530

Production Cost Delta

No Retirements	-25,138	28,203	10,445	5,166	7,897	8,063	11,172
Retiree TY	10,781	13,129	7,165	6,363	8,965	9,898	-8,002
Retiree TY GR and BR3	57,168	52,324	99,060	118,163	128,580	136,077	116,365
Retiree TY GR and BR4	70,812	15,021	36,881	47,151	44,657	39,436	65,688
Retiree TY GR CR and CR4	19,518	69,654	100,227	102,500	101,433	127,571	107,134
Retiree TY GR CR CR4 and BR1-2	67,662	75,897	93,279	73,483	82,470	54,898	77,292
Retiree TY GR CR and CR4	82,317	97,709	46,538	45,242	36,503	37,325	56,150
Retiree TY GR CR and CR4	122,111	117,838	171,278	177,601	175,681	207,695	187,309
Retiree TY GR CR and CR4	182,482	105,055	160,733	161,431	174,018	168,314	180,143
Retiree TY GR and CR	-12,404	-16,319	41,129	33,125	40,995	19,323	20,193
Retiree TY GR CR and MCA	142,458	144,949	120,285	148,133	117,269	171,723	166,959
Retiree TY GR CR and TCI	199,574	131,548	115,411	118,025	128,054	139,424	155,571
Retiree TY GR CR and CR4	162,972	150,280	118,272	159,788	153,523	165,565	186,204
Retiree TY GR CR and MCA	176,353	98,960	93,246	102,156	105,711	120,772	131,822
Retiree TY GR CR and MCA	171,039	161,395	151,838	162,339	169,126	188,339	172,738
Retiree TY GR CR and MCA	208,950	189,269	178,977	210,375	216,119	246,186	232,716
Retiree TY GR CR and BR1-2	88,110	100,052	33,657	40,109	42,275	66,573	41,958
Retiree TY GR CR BR1-2 and MCA	176,776	172,817	246,433	281,512	268,704	270,384	275,699

New Unit Capital

No Retirements	386,529	421,558	421,067	403,184	385,225	370,317	356,614
Retiree TY	343,291	378,087	400,402	396,054	378,699	363,115	346,264
Retiree TY GR and BR3	327,506	362,724	385,284	381,181	374,156	360,102	378,372
Retiree TY GR and BR4	409,454	392,719	377,732	363,194	357,800	363,831	361,832
Retiree TY GR CR and CR4	391,508	425,733	424,307	406,802	391,135	375,939	361,168
Retiree TY GR CR CR4 and BR1-2	365,124	359,328	377,732	363,194	357,800	363,831	361,832
Retiree TY GR CR CR4 and BR1-2	383,824	417,958	439,714	434,940	417,159	398,769	384,147
Retiree TY GR CR and CR4	450,131	432,265	416,148	400,479	393,955	398,855	395,726

Discount Rate:

2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2050 2051 2052 2053 2054 2055 2056 2057 2058

MTP-Capital

Table with columns for years and values. Includes sub-sections: No Retirements, Retire TY, Retire TY and GR3, Retire TY GR3 and BR3, Retire TY GR3 and BR4, Retire TY GR3 CR4 and CR6, Retire TY GR3 CR4 CR6 and BR1-2, Retire TY GR3 and CR, Retire TY GR3 CR and GR3, Retire TY GR3 CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and GH4, Retire TY GR CR and MCI3, Retire TY GR CR and GH2, Retire TY GR CR and MCI-2, Retire TY GR CR and BR1-2, Retire TY GR CR BR1-2 and MCI-2.

MTP-Capital-Delta

Table with columns for years and values. Includes sub-sections: No Retirements, Retire TY, Retire TY and GR3, Retire TY GR3 and BR3, Retire TY GR3 and BR4, Retire TY GR3 CR4 and CR6, Retire TY GR3 CR4 CR6 and BR1-2, Retire TY GR3 CR and CR, Retire TY GR3 CR and GH3, Retire TY GR3 CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and GH4, Retire TY GR CR and MCI3, Retire TY GR CR and GH2, Retire TY GR CR and MCI-2, Retire TY GR CR and BR1-2, Retire TY GR CR BR1-2 and MCI-2.

Landfill-Capital

Table with columns for years and values. Includes sub-sections: No Retirements, Retire TY, Retire TY and GR3, Retire TY GR3 and BR3, Retire TY GR3 and BR4, Retire TY GR3 CR4 and CR6, Retire TY GR3 CR4 CR6 and BR1-2, Retire TY GR3 CR and CR, Retire TY GR3 CR and GH3, Retire TY GR3 CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and GH4, Retire TY GR CR and MCI3, Retire TY GR CR and GH2, Retire TY GR CR and MCI-2, Retire TY GR CR and BR1-2, Retire TY GR CR BR1-2 and MCI-2.

Landfill-Capital-Delta

Table with columns for years and values. Includes sub-sections: No Retirements, Retire TY, Retire TY and GR3, Retire TY GR3 and BR3, Retire TY GR3 and BR4, Retire TY GR3 CR4 and CR6, Retire TY GR3 CR4 CR6 and BR1-2, Retire TY GR3 and CR, Retire TY GR3 CR and GH3, Retire TY GR3 CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and GH4, Retire TY GR CR and MCI3, Retire TY GR CR and GH2, Retire TY GR CR and MCI-2, Retire TY GR CR and BR1-2, Retire TY GR CR BR1-2 and MCI-2.

Discount Rate:

Table with columns for years 2034 to 2058 and rows for various retirement categories like Retire TY GR CR and MCA, Retire TY GR CR and TCI, etc.

Existing Unit Fixed O&M Delta

Table with columns for years 2034 to 2058 and rows for 'No Retirements' under the Existing Unit Fixed O&M Delta section.

New Controls Fixed O&M

Table with columns for years 2034 to 2058 and rows for 'No Retirements' under the New Controls Fixed O&M section.

New Controls Fixed O&M Delta

Table with columns for years 2034 to 2058 and rows for 'No Retirements' under the New Controls Fixed O&M Delta section.

Total Revenue Requirements

Summary row showing total values for years 2034 to 2058 under the Total Revenue Requirements section.

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2051 2052 2053 2054 2055 2056 2057 2058

Retiree TY GR CR and TCI	20,488	19,991	20,515	20,609	20,981	20,776	20,102							
Retiree TY GR CR and GH4	21,061	20,442	21,015	20,986	21,161	20,752	20,136							
Retiree TY GR CR and MC3	18,578	18,033	18,565	18,446	18,948	18,741	18,183							
Retiree TY GR CR and GH2	21,407	20,846	21,502	21,470	21,346	21,589	21,079							
Retiree TY GR CR and MCI-2	18,642	18,076	18,727	18,599	18,433	18,686	18,151							

System Annual NOx Emissions Exempts

No Retirements	6,802	6,635	6,709	6,818	6,763	6,913	6,541							
Retiree TY	6,725	6,551	6,726	6,819	6,764	6,914	6,543							
Retiree TY and GR3	6,937	6,760	6,820	6,907	6,869	6,957	6,590							
Retiree TY GR3 and BR3	6,859	6,615	6,733	6,870	6,711	6,864	6,676							
Retiree TY GR3 and CR4	6,906	6,682	6,700	6,938	6,718	6,872	6,895							
Retiree TY GR3 CR4 and CR6	6,761	6,530	6,643	6,767	6,684	6,813	6,632							
Retiree TY GR3 CR4 and BR1-2	6,684	6,436	6,534	6,656	6,538	6,661	6,699							
Retiree TY GR3 and CR	6,709	6,492	6,584	6,651	6,549	6,682	6,688							
Retiree TY GR3 CR and GH3	6,040	5,810	5,919	6,040	5,981	6,044	6,052							
Retiree TY GR3 CR and GH1	6,123	5,904	5,974	6,005	5,844	6,070	5,984							
Retiree TY GR3 CR and CR	6,499	6,347	6,468	6,569	6,526	6,662	6,658							
Retiree TY GR CR and MC4	6,010	5,777	5,932	6,004	6,017	6,092	6,117							
Retiree TY GR CR and TCI	6,032	5,855	5,918	6,065	5,964	6,150	6,095							
Retiree TY GR CR and GH4	5,933	5,467	5,672	5,653	5,633	5,743	5,753							
Retiree TY GR CR and MC3	6,066	5,913	5,950	6,081	5,999	6,169	6,120							
Retiree TY GR CR and GH2	6,306	6,137	6,235	6,340	6,270	6,428	6,430							
Retiree TY GR CR and MCI-2	6,218	6,001	6,144	6,223	6,169	6,315	6,308							
Retiree TY GR CR and BR1-2	6,381	6,231	6,345	6,444	6,337	6,478	6,466							
Retiree TY GR CR BR1-2 and MCI-2	6,048	5,865	5,990	6,075	6,009	6,151	6,135							

System Ozone-NOx Emissions Exempts

No Retirements	7,577	7,501	7,476	7,584	7,598	7,691	7,692							
Retiree TY	7,539	7,571	7,480	7,586	7,600	7,694	7,695							
Retiree TY and GR3	7,618	7,656	7,534	7,638	7,658	7,756	7,752							
Retiree TY GR3 and BR3	7,569	7,544	7,545	7,679	7,633	7,735	7,683							
Retiree TY GR3 and CR4	7,000	7,471	7,423	7,562	7,560	7,638	7,664							
Retiree TY GR3 CR4 and CR6	7,385	7,380	7,370	7,479	7,505	7,597	7,573							
Retiree TY GR3 CR4 CR6 and BR1-2	7,317	7,294	7,271	7,376	7,384	7,467	7,450							
Retiree TY GR3 CR and CR	7,362	7,348	7,250	7,367	7,372	7,456	7,387							
Retiree TY GR3 CR and GH3	6,080	6,425	6,514	6,607	6,611	6,698	6,590							
Retiree TY GR3 CR and GH1	6,566	6,490	6,479	6,585	6,581	6,664	6,512							
Retiree TY GR and CR	7,164	7,238	7,239	7,344	7,353	7,435	7,345							
Retiree TY GR CR and MC4	6,646	6,576	6,579	6,702	6,694	6,774	6,697							
Retiree TY GR CR and TCI	6,767	6,645	6,613	6,739	6,730	6,809	6,721							
Retiree TY GR CR and GH4	6,264	6,209	6,215	6,326	6,359	6,397	6,345							
Retiree TY GR CR and MC3	6,603	6,646	6,643	6,768	6,771	6,839	6,738							
Retiree TY GR CR and GH2	6,597	7,003	6,959	7,058	7,041	7,130	7,031							
Retiree TY GR CR and MCI-2	6,891	6,805	6,835	6,919	6,916	6,996	6,931							
Retiree TY GR CR and BR1-2	7,180	7,133	7,045	7,163	7,148	7,227	7,140							
Retiree TY GR CR BR1-2 and MCI-2	6,768	6,661	6,686	6,776	6,748	6,831	6,754							

System Total Emissions Exempts

No Retirements	38,568	38,247	38,887	39,111	38,886	39,507	39,122							
Retiree TY	38,283	38,338	38,916	39,110	38,886	39,507	39,129							
Retiree TY and GR3	39,097	38,664	39,045	39,236	38,950	39,594	39,208							
Retiree TY GR3 and BR3	37,850	37,098	37,875	38,099	37,675	38,280	37,885							
Retiree TY GR3 and CR4	38,171	37,516	38,165	38,435	38,134	38,886	38,384							
Retiree TY GR3 CR4 and CR6	37,163	36,342	37,063	37,950	37,175	37,698	37,206							
Retiree TY GR3 CR4 CR6 and BR1-2	36,729	35,972	36,042	36,354	36,064	36,580	36,037							
Retiree TY GR3 and CR	36,377	35,575	36,215	36,374	36,190	36,690	36,128							
Retiree TY GR3 CR and GH3	33,669	32,789	33,558	33,774	33,784	33,948	33,413							
Retiree TY GR3 CR and GH1	33,103	32,236	32,519	32,601	32,420	33,019	32,600							
Retiree TY GR CR and CR	35,986	35,065	36,064	36,204	36,127	36,570	36,036							
Retiree TY GR CR and MC4	32,892	31,769	32,742	32,741	33,005	33,061	32,727							
Retiree TY GR CR and TCI	33,288	32,461	33,046	33,412	33,074	33,735	32,948							
Retiree TY GR CR and GH4	32,569	32,117	33,136	32,993	32,974	33,322	32,831							
Retiree TY GR CR and MC3	33,375	32,692	33,120	33,435	33,162	33,761	33,014							
Retiree TY GR CR and GH2	31,881	31,164	31,759	32,084	31,758	32,466	32,203							
Retiree TY GR CR and MCI-2	32,670	31,809	32,654	32,645	32,602	32,972	32,422							
Retiree TY GR CR and BR1-2	34,968	34,209	34,852	35,029	34,832	35,294	34,685							
Retiree TY GR CR BR1-2 and MCI-2	31,457	30,604	31,404	31,451	31,189	31,668	31,040							

Total BR Minus Emissions Exempts

No Retirements	4,254,685	4,390,109	4,476,551	4,580,306	4,674,994	4,778,846	4,912,709							
Retiree TY	4,117,065	4,359,319	4,452,768	4,567,739	4,657,588	4,719,949	4,900,647							

Discount Rates:

2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2051 2052 2053 2054 2055 2056 2057 2058

Retiree TV and GR3	4,146,182	4,337,140	4,424,707	4,539,958	4,641,628	4,720,267	4,901,057																			
Retiree TV GR3 and BR3	4,244,021	4,378,530	4,475,628	4,599,932	4,712,193	4,797,840	4,958,030																			
Retiree TV GR3 and CR4	4,259,333	4,367,926	4,472,167	4,578,258	4,674,236	4,725,858	4,919,337																			
Retiree TV GR3 CR4 and CR6	4,263,955	4,396,567	4,497,861	4,607,973	4,712,431	4,810,972	4,996,174																			
Retiree TV GR3 CR4 CR6 and BR1-2	4,230,106	4,383,633	4,522,117	4,653,940	4,763,136	4,874,069	5,024,457																			
Retiree TV GR3 and CR	4,291,947	4,485,270	4,576,671	4,684,800	4,777,493	4,857,877	5,042,651																			
Retiree TV GR3 CR and GH3	4,415,525	4,551,035	4,656,228	4,768,454	4,879,017	5,008,816	5,190,090																			
Retiree TV GR3 CR and GH1	4,468,176	4,584,735	4,702,250	4,805,304	4,919,718	4,989,655	5,193,512																			
Retiree TV GR and CR	4,230,615	4,378,811	4,511,554	4,632,498	4,757,082	4,870,710	5,017,332																			
Retiree TV GR and MC4	4,427,861	4,582,593	4,665,416	4,791,082	4,854,004	4,963,485	5,150,235																			
Retiree TV GR CR and TCI	4,654,792	4,506,449	4,692,158	4,780,024	4,893,484	4,956,442	5,164,163																			
Retiree TV CR and GH4	4,447,435	4,585,166	4,659,219	4,797,451	4,869,779	4,986,398	5,186,306																			
Retiree TV CR and MC3	4,439,167	4,547,952	4,665,931	4,769,929	4,866,989	4,933,623	5,137,078																			
Retiree TV GR CR and GH2	4,427,725	4,566,367	4,665,937	4,772,180	4,894,114	4,965,652	5,139,063																			
Retiree TV GR CR and MC1-2	4,411,935	4,546,511	4,656,593	4,791,343	4,890,131	5,018,039	5,212,328																			
Retiree TV GR CR and BR1-2	4,280,158	4,481,104	4,563,659	4,678,905	4,783,087	4,882,485	5,061,501																			
Retiree TV GR CR BR1-2 and MC1-2	4,389,268	4,550,899	4,669,893	4,835,200	4,940,154	5,057,907	5,253,419																			

Total RR Minus Emissions Expense Delta

No Retirements

Retiree TV	-83,620	-30,789	-25,783	-17,567	-15,405	-14,898	-12,022																		
Retiree TV and GR3	24,889	22,179	26,062	28,781	31,560	33,188	37,070																		
Retiree TV GR3 and BR3	98,639	41,390	50,972	58,975	70,564	77,573	86,973																		
Retiree TV GR3 and CR4	107,751	50,786	48,061	44,301	37,628	5,597	16,279																		
Retiree TV GR3 CR4 and CR6	10,072	6,641	25,094	29,715	36,195	85,114	76,837																		
Retiree TV GR3 CR4 CR6 and BR1-2	-31,449	-13,935	24,255	24,966	49,765	15,086	28,233																		
Retiree TV GR3 CR4 CR6 and CR	27,992	89,703	78,809	86,826	69,062	41,965	46,477																		
Retiree TV GR3 CR and GH3	123,378	67,785	79,158	73,654	104,124	142,225	136,778	150,861																	
Retiree TV GR3 CR and GH1	176,229	96,025	125,580	110,504	142,225	136,778	150,861																		
Retiree TV GR and CR	-61,333	-105,659	-65,116	-62,302	-25,441	-32,167	-25,319																		
Retiree TV GR CR and MC4	197,776	202,692	153,862	158,584	101,952	143,775	132,983																		
Retiree TV GR CR and TCI	234,177	204,637	180,604	157,527	141,442	137,732	146,631																		
Retiree TV GR CR and GH4	216,321	209,354	147,664	164,955	151,722	169,688	169,972																		
Retiree TV GR CR and MC3	207,559	168,141	154,337	137,432	114,637	114,912	119,746																		
Retiree TV GR CR and GH2	197,110	188,356	153,843	139,692	140,062	144,942	121,731																		
Retiree TV GR CR and MC1-2	181,220	166,700	144,949	158,845	146,080	137,379	134,936																		
Retiree TV GR CR and BR1-2	49,743	101,292	57,104	46,408	31,036	61,775	44,169																		
Retiree TV GR CR BR1-2 and MC1-2	102,411	49,795	106,144	156,284	157,105	175,417	189,918																		

Discount Rate:

2039 2080 2081 2082 2083 2084 2085 2086 2087 2088 2089 2090 2091 2092 2093 2094 2095 2096 2097 2098 2099

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MCL
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCL-2
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MCL
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCL-2
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCL
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCL-2
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MC4																					
Retire TY GR CR and TC1																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MC3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MC1-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MC1-2																					

New Unit Capital Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MC4																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MC3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MC1-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MC1-2																					

New Controls Capital

No Retirements	7,071																				
Retire TY	7,071																				
Retire TY and GR3	7,071																				
Retire TY GR3 and BR3	7,071																				
Retire TY GR3 and CR4	7,071																				
Retire TY GR3 CR4 CR6 and BR1-2	7,071																				
Retire TY GR3 CR and CR	7,071																				
Retire TY GR3 CR and GH3	7,071																				
Retire TY GR3 CR and GH1	7,071																				
Retire TY GR and CR	7,071																				
Retire TY CR and MC4	7,071																				
Retire TY GR CR and TC1	7,071																				
Retire TY GR CR and GH4	7,071																				
Retire TY GR CR and MC3	7,071																				
Retire TY GR CR and GH2	0																				
Retire TY GR CR and MC1-2	7,071																				
Retire TY GR CR and BR1-2	7,071																				
Retire TY GR CR BR1-2 and MC1-2	7,071																				

New Controls Social Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MC4																					
Retire TY GR CR and TC1																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MC3																					
Retire TY GR CR and GH2	-7,071																				
Retire TY GR CR and MC1-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MC1-2																					

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079

MTP Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP Capital Data

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Data

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049

Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Water/Capital

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Water/Capital/Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Total/Capital

Table with 20 columns (years 2029-2049) and rows for 'No Retirements' and various retirement scenarios. Values are mostly 0, with some 7,071 values in the 2029-2030 period.

Total/Capital/Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Discount Rate:

2022 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MC1-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MC1-2

Existing Unit Fixed O&M Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR3 CR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MC1-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MC1-2

New Controls Fixed O&M

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR CR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MC1-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MC1-2

New Controls Fixed O&M Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR CR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MC1-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MC1-2

Total Revenue Requirements

No Retirements 7.071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY and GR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCL																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Total RR Minus Emissions Excuse Delta

No Retirements	
Retire TY	
Retire TY and GR3	
Retire TY GR3 and BR3	
Retire TY GR3 and CR4	
Retire TY GR3 CR4 and CR6	
Retire TY GR3 CR4 CR6 and BR1-2	
Retire TY GR3 and CR	
Retire TY GR3 CR and GH3	
Retire TY GR3 CR and GH1	
Retire TY GR and CR	
Retire TY GR CR and MC4	
Retire TY GR CR and TCL	
Retire TY GR CR and GH4	
Retire TY GR CR and MC3	
Retire TY GR CR and GH2	
Retire TY GR CR and MC1-2	
Retire TY GR CR and BR1-2	
Retire TY GR CR BR1-2 and MC1-2	

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate																		
Unit Costs (\$000)																		
BR	BR1		3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135
BR	BR2		6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383
BR	BR3		15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279
CR	CR4		14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560
CR	CR5		11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546
CR	CR6		10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159
GH	GH1		17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240
GH	GH2		12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372
GH	GH3		17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138
GH	GH4		11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659
GR	GR3		4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640
GR	GR4		7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167
MC	MC1		11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389
MC	MC2		16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664
MC	MC3		18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278
MC	MC4		16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308
TC	TC1		17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512
TY	TY3		410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2021 TY		120																										
	2022 TY		175	123																									
	2023 TY		179	126																									
	2024 TY		184	129																									
	2025 TY		188	132																									
	2026 TY		193	136																									
	2027 TY		198	139																									
	2028 TY		203	143																									
	2029 TY		208	146																									
	2030 TY		213	150																									
	2031 TY		218	154																									
	2032 TY		224	157																									
	2033 TY		229	161																									
	2034 TY		235	165																									
	2035 TY		241	169																									
	2036 TY		248	174																									

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	2,234	2,322	2,411	2,501	2,446	2,340	2,239	2,145	2,055	1,969	1,887	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,839	3,986	4,135	3,968	3,703	3,436	3,170	2,905	2,640	2,375	2,110	1,845	1,580	1,315	1,050	785	520	255	0	0	0	0
BR	BR3	416	9,202	9,564	9,930	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,769	7,289	6,910	6,553	6,218	5,906	5,607	5,312	5,021	4,733	4,450	4,171	3,897
CR	CR4	155	2,405	2,465	2,529	2,599	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	240	3,723	3,816	3,912	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148	0
GH	GH1	475	16,601	17,256	17,918	18,587	17,419	16,688	15,994	15,334	14,702	14,098	13,575	12,866	12,261	11,671	11,099	10,486	9,956	9,432	8,915	8,405	7,902	7,407	6,915
GH	GH2	484	16,915	17,568	18,227	18,893	17,749	17,004	16,297	15,624	14,987	14,365	13,628	12,927	12,261	11,613	10,998	10,399	9,873	9,354	8,841	8,336	7,837	7,346	6,859
GH	GH3	480	16,775	17,437	18,106	18,782	18,384	17,602	16,863	16,169	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,462	14,824	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,821	7,331
GR	GR3	68	1,295	1,343	1,377	1,411	1,364	1,263	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373	331	289
GR	GR4	95	1,809	1,876	1,923	1,971	1,906	1,790	1,680	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	898	832	767	704	641	580	521	462
MC	MC1	303	10,278	10,535	10,798	11,068	10,638	10,200	9,735	9,258	8,766	8,263	7,758	7,053	6,033	5,559	5,110	4,687	4,290	3,910	3,558	3,173	2,817	2,468	2,128
MC	MC2	301	10,210	10,465	10,727	10,995	10,567	10,133	9,668	9,187	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,512	3,152	2,798	2,452
MC	MC3	391	13,263	13,595	13,934	14,283	13,805	13,321	12,837	12,353	11,864	11,372	10,878	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886	3,350
MC	MC4	477	16,180	16,585	16,999	17,424	16,941	16,451	15,957	15,464	14,972	14,480	13,988	13,496	12,927	12,362	11,800	11,242	10,688	10,138	9,592	9,050	8,512	7,978	7,448
TC	TC1	383	3,725	3,878	4,026	4,180	4,093	3,927	3,771	3,623	3,483	3,349	3,220	3,101	2,986	2,878	2,777	2,682	2,596	2,425	2,315	2,206	2,099	1,993	1,888
TC	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,802	3,636	3,476	3,319	3,163	3,009	2,857	2,706
TY	TY3	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646

2.50%

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029	MC	2039 MC	2389	2256	2123	1990	1857	1760	1698	1636	1575	1513	1451	1390	1328	1266	1205	1143	1081	1020	0	0	0	0	0
2030	MC	2030 MC	2586	2449	2313	2176	2040	1904	1804	1741	1677	1614	1551	1488	1424	1361	1298	1235	1172	1108	1045	0	0	0	0
2031	MC	2031 MC	2790	2650	2510	2371	2231	2091	1951	1849	1784	1719	1655	1590	1525	1460	1395	1330	1266	1201	1136	1071	0	0	0
2032	MC	2032 MC	3003	2860	2716	2573	2430	2287	2143	2000	1895	1829	1762	1696	1629	1563	1497	1430	1364	1297	1231	1164	1098	0	0
2033	MC	2033 MC	3231	3078	2931	2784	2637	2491	2344	2200	2050	1943	1874	1805	1738	1670	1602	1534	1466	1398	1330	1262	1194	1125	0
2034	MC	2034 MC	3480	3311	3155	3004	2854	2703	2553	2402	2252	2101	1991	1921	1852	1782	1712	1642	1572	1503	1433	1363	1293	1223	1154
2035	MC	2035 MC	3754	3567	3394	3234	3080	2925	2771	2617	2462	2308	2154	2041	1969	1898	1826	1755	1683	1612	1540	1469	1397	1325	1254
2036	MC	2036 MC	4057	3848	3656	3478	3315	3157	2998	2840	2682	2524	2366	2204	2092	2019	1945	1872	1799	1725	1652	1579	1505	1432	1359
2037	MC	2037 MC	4459	4248	4043	3841	3653	3463	3283	3116	2951	2787	2621	2452	2326	2219	2108	2011	1914	1844	1768	1693	1618	1543	1468
2038	MC	2038 MC	4863	4643	4433	4234	4043	3861	3681	3503	3326	3149	2972	2795	2658	2548	2437	2353	2274	2195	2116	2036	1957	1878	1799
2039	MC	2039 MC	5267	5047	4837	4638	4448	4268	4088	3910	3733	3556	3379	3202	3065	2954	2843	2777	2709	2639	2568	2497	2426	2355	2284
2040	MC	2040 MC	5671	5451	5241	5042	4843	4644	4445	4246	4047	3848	3649	3450	3313	3202	3091	2980	2869	2758	2647	2536	2425	2314	2203
2041	MC	2041 MC	6075	5855	5645	5446	5247	5048	4849	4650	4451	4252	4053	3854	3717	3606	3495	3384	3273	3162	3051	2940	2829	2718	2607
2042	MC	2042 MC	6479	6259	6049	5850	5651	5452	5253	5054	4855	4656	4457	4258	4121	4010	3900	3789	3678	3567	3456	3345	3234	3123	3012
2043	MC	2043 MC	6883	6663	6453	6254	6055	5856	5657	5458	5259	5060	4861	4662	4525	4414	4304	4193	4082	3971	3860	3749	3638	3527	3416
2044	MC	2044 MC	7287	7067	6857	6658	6459	6260	6061	5862	5663	5464	5265	5066	4929	4818	4708	4597	4486	4375	4264	4153	4042	3931	3820
2045	MC	2045 MC	7691	7471	7261	7062	6863	6664	6465	6266	6067	5868	5669	5470	5333	5222	5112	5001	4890	4779	4668	4557	4446	4335	4224
2046	MC	2046 MC	8095	7875	7665	7466	7267	7068	6869	6670	6471	6272	6073	5874	5737	5626	5516	5405	5294	5183	5072	4961	4850	4739	4628
2047	MC	2047 MC	8499	8279	8069	7870	7671	7472	7273	7074	6875	6676	6477	6278	6141	6030	5920	5809	5698	5587	5476	5365	5254	5143	5032
2048	MC	2048 MC	8903	8683	8473	8274	8075	7876	7677	7478	7279	7080	6881	6682	6545	6434	6324	6213	6102	5991	5880	5769	5658	5547	5436
2049	MC	2049 MC	9307	9087	8877	8678	8479	8280	8081	7882	7683	7484	7285	7086	6949	6838	6728	6617	6506	6395	6284	6173	6062	5951	5840
2050	MC	2050 MC	9711	9491	9281	9082	8883	8684	8485	8286	8087	7888	7689	7490	7353	7242	7132	7021	6910	6799	6688	6577	6466	6355	6244
2051	MC	2051 MC	10115	9895	9685	9486	9287	9088	8889	8690	8491	8292	8093	7894	7757	7646	7536	7425	7314	7203	7092	6981	6870	6759	6648
2052	MC	2052 MC	10519	10299	10089	9890	9691	9492	9293	9094	8895	8696	8497	8298	8161	8050	7940	7829	7718	7607	7496	7385	7274	7163	7052
2053	MC	2053 MC	10923	10703	10493	10294	10095	9896	9697	9498	9299	9100	8901	8702	8565	8454	8344	8233	8122	8011	7900	7789	7678	7567	7456
2054	MC	2054 MC	11327	11107	10897	10698	10499	10300	10101	9902	9703	9504	9305	9106	8969	8858	8748	8637	8526	8415	8304	8193	8082	7971	7860
2055	MC	2055 MC	11731	11511	11301	11102	10903	10704	10505	10306	10107	9908	9709	9510	9373	9262	9152	9041	8930	8819	8708	8597	8486	8375	8264
2056	MC	2056 MC	12135	11915	11705	11506	11307	11108	10909	10710	10511	10312	10113	9914	9777	9666	9556	9445	9334	9223	9112	9001	8890	8779	8668
2057	MC	2057 MC	12539	12319	12109	11910	11711	11512	11313	11114	10915	10716	10517	10318	10181	10070	9960	9849	9738	9627	9516	9405	9294	9183	9072
2058	MC	2058 MC	12943	12723	12513	12314	12115	11916	11717	11518	11319	11120	10921	10722	10585	10474	10364	10253	10142	10031	9920	9809	9698	9587	9476
2059	MC	2059 MC	13347	13127	12917	12718	12519	12320	12121	11922	11723	11524	11325	11126	10989	10878	10768	10657	10546	10435	10324	10213	10102	9991	9880

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	178	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		182	182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99
	2039 TY			187	187	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
	2040 TY				192	192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	Landfill Capital Savings	936	3,049	4,083	3,979	4,416	4,938	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR	Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
TC	Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	19	0
	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
	BR Landfill O&M Savings		4,256	4,384	4,515	4,651									
	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	0	0	0	563	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,008	952	892	835	779	723	666	610	554	498
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,028	973	913	856	799	743	686	630	574	518
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,017	962	902	845	788	732	675	619	563	507
GR	GR3	68	0	0	0	886	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	295
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	411
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	590
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,578	1,501	1,430	1,361	1,292	1,224	1,155	1,086	1,017	949	898	867	835	803	771	739	707	676	644	612	580
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808	766
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,460	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	936
TC	TC1	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	428
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	614
TY	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	295
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	1,994
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0	0
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	2,885
TCWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	1,041
GHWATER			0	0	0	5,602	7,892	7,485	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,065	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	3,207
GRWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,063	1,009	960	912	864	816	768	720	672	624	576	528
MCICCOOL			0	0	0	0	0	0	1,780	2,599	2,465	2,342	2,228	2,113	2,002	1,891	1,781	1,671	1,637	1,515	1,414	1,340	1,293	1,246	1,199	1,152	1,105	1,058	1,011

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER
CRWATER
MCWATER
TCWATER
GHWATER
GRWATER
MCIICOL

2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0	0	0	0
3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0	0	0	0
706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SM	MEMBR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
24,489	941,412	1,076,213	1,128,477	1,217,951	1,327,435	1,472,026	1,643,939	1,693,953	1,799,023	1,958,771	2,058,718	2,082,157	2,146,622	2,262,849	2,352,480	2,379,644	2,456,938	2,550,578	2,578,832	2,619,261	2,678,533	2,758,539	2,858,339	2,968,048	3,084,699
24,595	941,412	1,076,213	1,133,668	1,251,419	1,382,366	1,486,654	1,486,745	1,547,015	1,639,973	1,698,074	1,802,357	1,965,358	2,076,611	2,084,557	2,140,950	2,266,404	2,352,385	2,402,228	2,496,807	2,550,907	2,606,416	2,673,805	2,739,048	2,818,369	2,904,948
24,664	941,412	1,076,213	1,133,668	1,237,349	1,337,648	1,437,924	1,467,236	1,565,051	1,702,898	1,756,309	1,837,673	1,950,093	2,036,574	2,130,352	2,200,935	2,298,411	2,409,553	2,493,681	2,573,654	2,649,893	2,724,863	2,808,637	2,892,337	2,976,999	3,062,649
24,669	941,412	1,076,213	1,133,668	1,248,378	1,355,485	1,459,094	1,538,968	1,648,756	1,812,862	1,857,265	1,940,615	2,048,267	2,098,815	2,190,664	2,347,473	2,451,907	2,543,258	2,649,800	2,752,359	2,855,002	2,968,002	3,081,462	3,195,396	3,309,824	3,424,856
25,159	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
25,302	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
26,459	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
26,459	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
27,870	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
27,870	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
28,124	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
27,928	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
28,191	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
27,801	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
27,801	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
28,643	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
26,608	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
26,608	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
25,519	941,412	1,076,213	1,133,668	1,250,972	1,362,834	1,483,745	1,507,173	1,670,470	1,862,959	1,771,853	2,017,765	2,048,947	2,178,088	2,280,537	2,451,906	2,469,465	2,630,405	2,750,728	2,876,337	2,981,042	3,088,042	3,195,642	3,302,942	3,410,442	3,518,142
22,592	941,412	1,076,213	1,128,477	1,212,631	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
22,593	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
22,593	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
22,561	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
23,235	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
22,593	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
23,469	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
23,469	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
23,879	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
23,879	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
23,846	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013	1,809,422	1,865,846	1,858,615	1,915,594	2,045,560	2,038,185	2,137,881	2,181,701	2,256,630	2,305,184	2,375,891	2,441,638	2,507,929	2,575,220
24,847	941,412	1,076,213	1,128,477	1,209,831	1,284,859	1,389,538	1,371,805	1,436,112	1,532,020	1,592,699	1,690,013														

Discount Rate: 6.1%

APSC and Data Request- Case 1 Step Analysis (Step 1)

	SM	NEVER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
MTE/Capital																									
No Retirements																									
Retiree TV	883	4,778	11,562	18,173	24,637	30,976	37,210	43,345	49,380	55,311	61,136	66,853	72,459	77,965	83,446	88,957	94,500	100,076	105,685	111,329	116,999	122,412	128,018	133,669	
Retiree TV and GR3	866	4,778	11,562	18,173	24,637	30,976	36,456	42,467	48,381	54,193	59,902	65,506	71,000	76,398	81,766	87,170	92,602	98,068	103,567	109,099	114,508	119,559	124,416	129,018	
Retiree TV GR3 and BR3	860	4,778	11,562	18,173	24,637	30,976	36,146	42,107	47,971	53,735	59,398	64,953	70,402	75,754	81,060	86,335	91,572	96,783	101,969	107,132	112,284	117,348	122,336	127,278	
Retiree TV GR3 and BR4	846	4,778	11,562	18,173	24,637	30,976	35,468	41,317	47,072	52,728	58,283	63,737	69,094	74,355	79,521	84,593	89,572	94,466	99,283	104,024	108,699	113,318	117,892	122,430	
Retiree TV GR3 and BR5	824	4,778	11,562	18,173	24,637	30,976	34,418	40,088	45,651	51,126	56,509	61,806	67,017	72,145	77,191	82,156	87,041	91,846	96,572	101,220	105,793	110,304	114,762	119,177	
Retiree TV GR3 and BR6	794	4,778	11,562	18,173	24,637	30,976	33,038	38,398	43,651	48,816	53,894	58,885	63,796	68,631	73,391	78,067	82,664	87,182	91,620	95,979	100,266	104,493	108,661	112,780	
Retiree TV GR3 and BR7	609	4,778	11,562	18,173	24,637	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	
Retiree TV GR3 and BR8	724	4,778	11,562	18,173	24,637	30,976	29,800	34,761	39,604	44,366	49,044	53,659	58,146	62,574	66,974	71,310	75,566	80,000	84,400	88,900	93,400	97,900	102,400	106,900	
Retiree TV GR3 and BR9	725	4,778	11,562	18,173	24,637	30,976	29,800	34,761	39,604	44,366	49,044	53,659	58,146	62,574	66,974	71,310	75,566	80,000	84,400	88,900	93,400	97,900	102,400	106,900	
Retiree TV GR3 and BR10	710	4,778	11,562	18,173	24,637	30,976	29,320	34,154	38,933	43,651	48,319	52,932	57,491	62,000	66,461	70,874	75,239	79,556	83,824	88,043	92,213	96,334	100,405	104,427	
Retiree TV GR3 and BR11	781	4,778	11,562	18,173	24,637	30,976	32,306	37,421	42,381	47,193	51,957	56,674	61,346	65,964	70,532	75,050	79,518	83,936	88,304	92,622	96,890	101,108	105,276	109,394	
Retiree TV GR3 and BR12	715	4,778	11,562	18,173	24,637	30,976	29,376	34,221	38,988	43,677	48,284	52,808	57,246	61,606	65,884	70,091	74,226	78,291	82,296	86,241	90,126	93,951	97,716	101,431	
Retiree TV GR3 and BR13	731	4,778	11,562	18,173	24,637	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	30,976	
Retiree TV GR3 and BR14	714	4,778	11,562	18,173	24,637	30,976	29,335	34,174	38,935	43,617	48,218	52,743	57,202	61,595	65,922	70,183	74,374	78,505	82,576	86,587	90,538	94,429	98,260	102,033	
Retiree TV GR3 and BR15	693	4,778	11,562	18,173	24,637	30,976	28,274	32,935	37,524	42,039	46,478	50,840	55,122	59,331	63,521	67,741	71,992	76,274	80,590	84,846	89,121	93,329	97,572	101,851	
Retiree TV GR3 and BR16	770	4,778	11,562	18,173	24,637	30,976	31,871	37,129	42,304	47,395	52,400	57,315	62,139	66,874	71,562	76,320	81,089	85,891	90,725	95,592	100,494	105,431	110,404	115,414	
Retiree TV GR3 and BR17	663	4,778	11,562	18,173	24,637	30,976	26,893	31,328	35,695	39,992	44,218	48,370	52,447	56,451	60,436	64,448	68,490	72,562	76,655	80,799	84,985	89,165	93,339	97,666	
MTE/Retirees																									
No Retirements																									
Retiree TV	-16	0	0	0	0	0	-754	-878	-999	-1,118	-1,234	-1,347	-1,458	-1,568	-1,677	-1,787	-1,898	-2,008	-2,119	-2,230	-2,341	-2,453	-2,565	-2,678	
Retiree TV and GR3	-7	0	0	0	0	0	-309	-360	-410	-458	-506	-553	-598	-643	-689	-734	-780	-825	-871	-918	-964	-1,011	-1,057	-1,104	
Retiree TV GR3 and BR3	-47	0	0	0	0	0	-1,143	-1,493	-1,888	-2,316	-2,788	-3,304	-3,864	-4,469	-5,119	-5,816	-6,559	-7,348	-8,183	-9,064	-9,991	-10,964	-11,984	-13,051	
Retiree TV GR3 and BR4	-14	0	0	0	0	0	-678	-730	-789	-846	-901	-955	-1,008	-1,060	-1,111	-1,161	-1,210	-1,258	-1,306	-1,353	-1,400	-1,446	-1,492	-1,538	
Retiree TV GR3 and BR5	-21	0	0	0	0	0	-1,050	-1,123	-1,197	-1,271	-1,345	-1,419	-1,492	-1,565	-1,638	-1,710	-1,782	-1,854	-1,926	-1,998	-2,070	-2,142	-2,214	-2,286	
Retiree TV GR3 and BR6	-10	0	0	0	0	0	-1,380	-1,606	-1,828	-2,046	-2,260	-2,470	-2,675	-2,875	-3,070	-3,261	-3,448	-3,632	-3,813	-3,990	-4,164	-4,336	-4,506	-4,675	
Retiree TV GR3 and BR7	-15	0	0	0	0	0	-735	-856	-975	-1,090	-1,202	-1,312	-1,418	-1,521	-1,621	-1,718	-1,813	-1,906	-1,998	-2,089	-2,179	-2,267	-2,354	-2,440	
Retiree TV GR3 and BR8	-85	0	0	0	0	0	-3,883	-4,477	-5,101	-5,747	-6,322	-6,918	-7,504	-8,080	-8,654	-9,217	-9,770	-10,312	-10,844	-11,376	-11,908	-12,430	-12,942	-13,445	
Retiree TV GR3 and BR9	-84	0	0	0	0	0	-3,843	-4,427	-5,043	-5,672	-6,304	-6,918	-7,504	-8,080	-8,654	-9,217	-9,770	-10,312	-10,844	-11,376	-11,908	-12,430	-12,942	-13,445	
Retiree TV GR3 and BR10	-9	0	0	0	0	0	-432	-503	-572	-640	-707	-772	-836	-899	-962	-1,026	-1,089	-1,153	-1,217	-1,282	-1,347	-1,412	-1,477	-1,543	
Retiree TV GR3 and BR11	-85	0	0	0	0	0	-3,931	-4,581	-5,219	-5,846	-6,461	-7,064	-7,654	-8,231	-8,804	-9,371	-9,932	-10,488	-11,039	-11,585	-12,126	-12,662	-13,194	-13,722	
Retiree TV GR3 and BR12	-19	0	0	0	0	0	-855	-996	-1,135	-1,272	-1,407	-1,539	-1,670	-1,799	-1,927	-2,052	-2,178	-2,302	-2,425	-2,548	-2,670	-2,791	-2,911	-3,030	
Retiree TV GR3 and BR13	-85	0	0	0	0	0	-3,875	-4,514	-5,144	-5,765	-6,376	-6,977	-7,567	-8,146	-8,714	-9,272	-9,820	-10,358	-10,887	-11,416	-11,935	-12,453	-12,971	-13,488	
Retiree TV GR3 and BR14	-69	0	0	0	0	0	-3,222	-3,755	-4,278	-4,792	-5,296	-5,790	-6,274	-6,747	-7,210	-7,663	-8,115	-8,567	-9,019	-9,471	-9,923	-10,375	-10,827	-11,279	
Retiree TV GR3 and BR15	-86	0	0	0	0	0	-4,916	-5,562	-6,198	-6,825	-7,442	-8,050	-8,648	-9,236	-9,814	-10,382	-10,940	-11,488	-12,036	-12,584	-13,132	-13,680	-14,228	-14,776	
Retiree TV GR3 and BR16	-107	0	0	0	0	0	-4,977	-5,800	-6,609	-7,403	-8,182	-8,946	-9,695	-10,429	-11,146	-11,872	-12,599	-13,326	-14,053	-14,780	-15,507	-16,234	-16,961	-17,688	
Retiree TV GR3 and BR17	-30	0	0	0	0	0	-1,380	-1,606	-1,828	-2,046	-2,260	-2,470	-2,675	-2,875	-3,070	-3,261	-3,448	-3,632	-3,813	-3,990	-4,164	-4,336	-4,506	-4,675	
Retiree TV GR3 and BR18	-107	0	0	0	0	0	-4,977	-5,800	-6,609	-7,403	-8,182	-8,946	-9,695	-10,429	-11,146	-11,872	-12,599	-13,326	-14,053	-14,780	-15,507	-16,234	-16,961	-17,688	
Landfill/Capital																									
No Retirements																									
Retiree TV	651	936	3,049	4,083	3,979	4,416	39,767	41,494	43,787	48,239	54,623	57,334	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	
Retiree TV and GR3	651	936	3,049	4,083	3,979	4,416	39,767	41,494	43,787	48,239	54,623	57,334	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	57,530	
Retiree TV GR3 and BR3	623	936	3,049	4,083	3,979	4,416	37,951	39,624	41,357	43,043	44,783	46,577	48,425	50,327	52,283	54,294	56,360	58,482	60,660	62,894	65,183	67,527	69,926	72,380	
Retiree TV GR3 and BR4	630	678	2,210	2,959	2,884	3,200	37,802	39,545	41,341	43,187	45,084	47,032	49,031	51,080	53,180	55,330	57,530	59,							

Discount Rate: 6.75%

SM	MEMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retiree TY GR and CR	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and MC4	244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and TC1	-42	0	0	0	0	0	-1.965	-2.066	-2.172	-2.216	-2.305	-2.351	-2.398	-2.446	-2.495	-2.545	-2.596	-2.648	-2.698	-2.749	-2.800	-2.851	-2.902	-2.953
Retiree TY GR and GH4	-403	0	0	0	0	0	-5.668	-6.038	-6.622	-7.433	-8.153	-9.297	-9.789	-10.881	-12.614	-14.401	-16.401	-18.569	-20.936	-23.511	-26.294	-29.284	-32.489	-35.909
Retiree TY GR and MC3	-104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and GH2	218	0	0	0	0	0	-5.727	-6.101	-6.691	-7.510	-8.238	-9.297	-9.394	-9.891	-10.994	-12.745	-14.551	-16.512	-18.732	-21.229	-23.999	-27.041	-30.364	-33.981
Retiree TY GR and MC1-2	-18	0	0	0	0	0	-1.170	-1.205	-1.565	-1.634	-2.094	-2.089	-2.095	-2.745	-2.797	-3.602	-3.549	-3.499	-3.452	-3.409	-3.362	-2.976	-1.088	-1.021
Retiree TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Capital

No Retirements	250	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY	244	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY and GR3	238	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and BR3	215	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and CR4	212	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 and CR6	218	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR4 and BR1-2	197	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and CR	201	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR and GH1	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 CR and GH3	186	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and CR	193	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MC4	173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and TC1	185	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and GH4	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MC3	176	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and GH2	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and MC1-2	152	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR and BR1-2	178	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR CR BR1-2 and MC1-2	137	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Water Capital Delta

No Retirements	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY	-6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and BR3	-23	0	0	0	0	0	-2.719	-3.060	-3.749	-4.246	-4.956	-5.447	-5.928	-6.409	-6.890	-7.371	-7.852	-8.333	-8.814	-9.295	-9.776	-10.257	-10.738	
Retiree TY GR3 and CR4	-10	0	0	0	0	0	-0.980	-1.132	-1.413	-1.339	-1.265	-1.201	-1.136	-1.071	-1.006	-0.941	-0.876	-0.811	-0.746	-0.681	-0.616	-0.551	-0.486	-0.421
Retiree TY GR3 CR4 and CR6	-16	0	0	0	0	0	-1.518	-2.449	-3.213	-3.956	-4.699	-5.442	-6.185	-6.928	-7.671	-8.414	-9.157	-9.900	-10.643	-11.386	-12.129	-12.872	-13.615	-14.358
Retiree TY GR3 CR4 and BR1-2	-11	0	0	0	0	0	-1.468	-1.971	-1.866	-1.608	-1.331	-1.055	-0.779	-0.503	-0.227	0.049	0.325	0.601	0.877	1.153	1.429	1.705	1.981	2.257
Retiree TY GR3 CR and GH3	-11	0	0	0	0	0	-1.062	-1.715	-1.676	-1.376	-1.076	-0.776	-0.476	-0.176	0.124	0.424	0.724	1.024	1.324	1.624	1.924	2.224	2.524	2.824
Retiree TY GR3 CR and GH1	-15	0	0	0	0	0	-1.477	-1.975	-1.876	-1.786	-1.696	-1.606	-1.516	-1.426	-1.336	-1.246	-1.156	-1.066	-0.976	-0.886	-0.796	-0.706	-0.616	-0.526
Retiree TY GR CR and MC4	-8	0	0	0	0	0	-1.462	-1.854	-1.856	-1.767	-1.678	-1.589	-1.500	-1.411	-1.322	-1.233	-1.144	-1.055	-0.966	-0.877	-0.788	-0.699	-0.610	-0.521
Retiree TY GR CR and TC1	-8	0	0	0	0	0	-1.313	-2.192	-2.648	-3.216	-3.948	-4.812	-5.784	-6.864	-8.048	-9.332	-10.716	-12.200	-13.784	-15.368	-16.952	-18.536	-20.120	-21.704
Retiree TY GR CR and GH4	-15	0	0	0	0	0	-1.474	-1.971	-1.872	-1.782	-1.692	-1.602	-1.512	-1.422	-1.332	-1.242	-1.152	-1.062	-0.972	-0.882	-0.792	-0.702	-0.612	-0.522
Retiree TY GR CR and MC3	-16	0	0	0	0	0	-1.568	-2.289	-2.171	-1.870	-1.569	-1.268	-0.967	-0.666	-0.365	-0.064	0.237	0.536	0.835	1.134	1.433	1.732	2.031	2.330
Retiree TY GR CR and GH2	-15	0	0	0	0	0	-1.489	-1.991	-1.891	-1.801	-1.711	-1.621	-1.531	-1.441	-1.351	-1.261	-1.171	-1.081	-0.991	-0.901	-0.811	-0.721	-0.631	-0.541
Retiree TY GR CR and MC1-2	-41	0	0	0	0	0	-2.422	-3.536	-3.834	-4.966	-5.631	-6.303	-6.975	-7.647	-8.319	-8.991	-9.663	-10.335	-11.007	-11.679	-12.351	-13.023	-13.695	-14.367
Retiree TY GR CR BR1-2	-15	0	0	0	0	0	-1.468	-1.971	-1.866	-1.608	-1.331	-1.055	-0.779	-0.503	-0.227	0.049	0.325	0.601	0.877	1.153	1.429	1.705	1.981	2.257
Retiree TY GR CR BR1-2 and MC1-2	-41	0	0	0	0	0	-2.422	-3.536	-3.834	-4.966	-5.631	-6.303	-6.975	-7.647	-8.319	-8.991	-9.663	-10.335	-11.007	-11.679	-12.351	-13.023	-13.695	-14.367

Total Capital

No Retirements	7,800	11,645	80,960	223,331	419,711	572,711	690,123	727,771	731,855	711,250	693,482	678,939	700,299	728,249	744,347	738,165	724,301	716,253	737,960	772,012	778,208	755,978	753,391	761,800	
Retiree TY	7,800	11,645	79,637	224,374	449,512	603,313	717,149	709,970	713,386	693,609	676,608	662,777	684,688	715,061	729,583	733,754	710,152	704,360	740,214	789,346	806,572	787,868	778,619	749,210	
Retiree TY and GR3	7,819	11,645	78,314	218,933	431,977	574,038	676,305	674,187	707,163	730,408	727,789	733,984	695,520	719,732	748,366	768,743	765,783	763,251	733,665	733,665	767,373	767,373	833,005	832,756	
Retiree TY GR3 and BR3	7,942	11,645	77,910	217,972	433,182	575,317	687,422	685,924	729,329	752,253	766,642	735,940	728,998	709,367	739,918	765,660	790,506	768,617	768,617	768,617	768,617	768,617	768,617	768,617	768,617
Retiree TY GR3 and CR4	7,572	10,323	70,142	195,941	386,560	530,078	669,042	693,021	663,972	653,114	663,958	685,350	680,393	701,111	742,820	763,313	762,249	747,622	738,647	762,249	702,947	702,947	702,947	702,947	
Retiree TY GR3 CR4 and CR6	7,303	7,890	58,391	161,654	305,537	492,002	604,232	658,499	694,641	686,324	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	669,473	
Retiree TY GR3 CR and CR	7,104	6,564	49,627	135,243	285,604	441,104	562,940	60																	

		2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retirement Cost																									
No Retirements																									
Retire TY	6	0	-1,323	1,043	29,762	30,502	27,025	-17,680	-18,469	-17,641	-16,874	-16,168	-15,611	-15,188	-14,765	-14,412	-14,139	-11,893	2,254	17,335	28,314	31,890	25,228	-12,590	
Retire TY and GR3	13	0	-1,323	-5,351	-17,685	-29,155	-40,844	-55,733	-67,223	-76,799	-84,591	-91,207	-96,932	-10,332	6,671	18,784	44,989	56,621	46,933	-6,748	-57,095	-75,467	-91,457	44,387	83,516
Retire TY GR3 and BR3	122	0	-304	-1,451	1,355	5,259	11,737	31,844	38,843	39,957	31,378	10,365	31,378	-10,365	-14,448	-3,083	23,772	35,334	32,602	32,602	4,283	4,283	-6,912	-8,211	-8,569
Retire TY GR3 and CR4	-248	-1,222	-8,171	-23,432	-35,267	-52,976	-60,189	-60,189	-43,490	-70,037	-61,974	-39,026	-10,270	-36,339	-41,255	-26,463	14,156	6,396	14,156	6,396	-10,998	-35,241	-31,116	-9,613	-9,613
Retire TY GR3 CR4 and CR6	-268	-2,432	-11,751	-33,887	-58,576	-80,564	-80,564	-58,576	-39,528	-58,576	-48,176	-21,338	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912
Retire TY GR3 CR4 and BR1-2	-49	-489	-6,506	-15,605	-28,043	-44,261	-51,726	-51,726	-34,187	-51,726	-40,466	-15,605	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162	-10,162
Retire TY GR3 CR and CR	-200	-1,326	-8,764	-26,412	-49,993	-80,008	-100,000	-100,000	-65,000	-100,000	-80,000	-45,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000	-20,000
Retire TY GR3 CR and GH3	89	-115	-565	-1,362	18,092	36,622	36,797	9,915	4,472	13,222	34,576	35,442	35,442	35,442	10,013	-1,984	-29,754	-42,369	-35,181	8,271	57,956	44,927	-3,004	-51,126	
Retire TY GR3 CR and GH1	85	-186	-4,894	-9,793	20,376	57,247	71,751	38,759	4,472	13,222	34,576	35,442	35,442	35,442	10,013	-1,984	-29,754	-42,369	-35,181	8,271	57,956	44,927	-3,004	-51,126	
Retire TY GR CR and CR	-53	0	-1,895	-5,910	-9,784	-16,117	-24,916	26,153	12,024	-11,421	-22,314	-14,833	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020	24,020
Retire TY GR CR and MCL1	-28	-862	-12,710	-21,482	1,617	20,964	9,176	-23,829	-50,892	-19,032	27,488	55,639	30,436	30,436	30,436	30,436	30,436	30,436	30,436	30,436	30,436	30,436	30,436	30,436	30,436
Retire TY GR CR and TCL	190	0	2,981	35,022	62,948	45,376	11,131	-23,867	-27,283	15,230	55,346	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039	46,039
Retire TY GR CR and MCL2	60	-1,259	-4,159	22,929	47,155	30,571	-3,793	-37,496	-41,493	2,340	42,784	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815	32,815
Retire TY GR CR and BR1-2	-413	-1,311	-9,911	-23,592	-45,449	-70,000	-81,705	-81,705	-54,827	-81,705	-65,827	-31,901	14,424	41,870	6,008	-45,989	-84,711	-90,002	-40,126	13,345	45,674	20,650	-22,126	-20,941	
Retire TY GR CR BR1-2 and MCL1-2	36	-489	-6,506	-11,818	2,265	23,552	5,024	-26,175	-29,543	-6,886	18,530	19,920	19,920	19,920	19,920	19,920	19,920	19,920	19,920	19,920	19,920	19,920	19,920	19,920	
Retire TY GR CR BR1-2 and MCL1-2	-548	0	-7,206	-23,598	-36,204	-69,883	-79,084	-46,155	-43,229	-39,940	-52,278	-58,433	-55,552	-52,624	-49,640	-46,737	-45,001	-44,368	-43,777	-43,555	-43,555	-43,555	-43,555	-43,555	
Retirement O&M Cost																									
No Retirements																									
Retire TY	2	0	0	0	0	0	2,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	3	0	0	0	0	0	4,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	5	0	0	0	0	0	6,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	6	0	0	0	0	0	8,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	5	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	8	0	0	0	0	0	10,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and CR	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL1	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL2	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL1-2	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL1-2	15	0	0	0	0	0	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Unit Fixed O&M																									
No Retirements																									
Retire TY	2	0	0	0	0	0	2,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	2	0	0	0	0	0	4,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	2	0	0	0	0	0	6,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	2	0	0	0	0	0	8,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	3	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	3	0	0	0	0	0	10,500	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	2	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and CR	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL1	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL2	2	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	3	0	0	0	0	0	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL1-2	3	0	0	0	0	0	28,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Existing Unit Fixed O&M																									
No Retirements																									
Retire TY	3,421	214,901	219,007	210,743	214,448	218,737	223,112	227,574	232,125	236,768	241,503	246,333	251,260	256,285	261,411	266,639	271,972	277,411	282,959	288,619	294,392	300,279	306,284	312,410	
Retire TY and GR3	3,416	214,901	219,007	210,743	214,448	218,737	222,668	227,121	231,663	236,297	241,023	245,843	250,760	255,775	260,891	266,108	271,431	276,859	282,396	288,044	293,805	299,681	305,675	311,788	
Retire TY GR3 and BR3	3,365	214,901	219,007	210,743	214,448	218,737	222,668	227,121	231,663	236,297	241,023	245,843	250,760	255,775	260,891	266,108	271,431	276,859	282,396	288,044	293,805	299,681	305,675	311,788	
Retire TY GR3 and CR4	3,190	214,901	219,007	210,743	214,448	218,737	202,225	206,270	210,393	214,603	218,895	223,273	227,738	232,293	236,939	241,678									

MEMBR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	
Retire TY GR CR and MCL-2	2,850	2,14,901	219,007	210,243	214,448	218,737	158,445	156,514	159,644	162,837	166,094	169,416	172,804	176,260	179,786	183,361	186,945	190,562	194,219	197,921	201,668	205,461	209,299	213,180	217,104
Retire TY GR CR and TCI	2,648	214,901	219,007	210,243	214,448	218,737	158,900	156,943	159,470	162,660	165,943	169,231	172,616	176,068	179,589	183,161	186,784	190,456	194,174	197,937	201,747	205,594	209,481	213,406	217,368
Retire TY GR CR and MCL-2	2,650	214,901	219,007	210,243	214,448	218,737	159,000	157,043	159,570	162,760	166,043	169,331	172,716	176,168	179,689	183,261	186,884	190,556	194,274	198,037	201,847	205,694	209,581	213,506	217,468
Retire TY GR CR and MCL-2	2,652	214,901	219,007	210,243	214,448	218,737	157,494	155,537	158,064	161,254	164,541	167,829	171,214	174,666	178,187	181,769	185,402	189,086	192,819	196,592	200,402	204,249	208,132	212,050	215,999
Retire TY GR CR and MCL-2	2,720	214,901	219,007	210,243	214,448	218,737	147,914	145,013	147,112	149,210	151,308	153,406	155,504	157,602	159,700	161,798	163,896	165,994	168,092	170,190	172,288	174,386	176,484	178,582	180,680
Retire TY GR CR BR1-2 and MCL-2	2,993	214,901	219,007	210,243	214,448	218,737	130,261	132,866	135,523	138,234	140,998	143,818	146,695	149,629	152,621	155,674	158,787	161,963	165,202	168,506	171,876	175,314	178,820	182,397	186,044

Existing Unit Fixed O&M Debt

No Retirements																									
Retire TY	-5	0	0	0	0	0	-444	-453	-462	-471	-480	-490	-500	-510	-520	-530	-541	-552	-563	-574	-586	-597	-609	-622	
Retire TY and GRS	-51	0	0	0	0	0	-4,627	-4,719	-4,813	-4,910	-5,008	-5,108	-5,211	-5,314	-5,421	-5,529	-5,640	-5,753	-5,868	-5,985	-6,105	-6,227	-6,351	-6,478	
Retire TY GRS and BR3	-175	0	0	0	0	0	-15,816	-16,132	-16,455	-16,784	-17,120	-17,462	-17,811	-18,167	-18,531	-18,904	-19,287	-19,680	-20,083	-20,496	-20,919	-21,352	-21,795	-22,248	
Retire TY GRS and CR4	-141	0	0	0	0	0	-12,785	-13,020	-13,261	-13,509	-13,764	-14,026	-14,294	-14,568	-14,848	-15,134	-15,426	-15,724	-16,028	-16,338	-16,653	-16,974	-17,301	-17,634	
Retire TY GRS CR4 and BR1-2	-132	0	0	0	0	0	-10,795	-11,011	-11,231	-11,456	-11,685	-11,919	-12,157	-12,400	-12,648	-12,901	-13,158	-13,420	-13,686	-13,956	-14,230	-14,508	-14,791	-15,078	
Retire TY GRS CR4 and CR6	-150	0	0	0	0	0	-11,509	-11,741	-11,978	-12,220	-12,466	-12,716	-12,970	-13,228	-13,490	-13,756	-14,026	-14,300	-14,578	-14,860	-15,146	-15,436	-15,730	-16,028	
Retire TY GRS CR and CR	-147	0	0	0	0	0	-13,238	-13,503	-13,773	-14,049	-14,326	-14,604	-14,883	-15,163	-15,444	-15,728	-16,014	-16,302	-16,592	-16,884	-17,178	-17,474	-17,772	-18,072	
Retire TY GRS CR and GHI	-211	0	0	0	0	0	-19,065	-19,447	-19,835	-20,229	-20,629	-21,034	-21,444	-21,859	-22,279	-22,704	-23,134	-23,569	-24,009	-24,454	-24,904	-25,359	-25,819	-26,284	
Retire TY GR and MCL-2	-203	0	0	0	0	0	-9,161	-9,344	-9,531	-9,722	-9,916	-10,115	-10,317	-10,523	-10,734	-10,949	-11,167	-11,389	-11,615	-11,845	-12,078	-12,314	-12,553	-12,795	
Retire TY GR and TCI	-205	0	0	0	0	0	-18,300	-18,666	-19,040	-19,421	-19,809	-20,205	-20,609	-21,021	-21,442	-21,871	-22,309	-22,756	-23,202	-23,648	-24,094	-24,541	-24,989	-25,438	
Retire TY GR and MCL-2	-142	0	0	0	0	0	-18,468	-18,837	-19,214	-19,598	-19,990	-20,390	-20,798	-21,214	-21,638	-22,071	-22,512	-22,962	-23,422	-23,890	-24,368	-24,855	-25,352	-25,859	
Retire TY GR and MCL-2	-142	0	0	0	0	0	-12,846	-13,103	-13,365	-13,632	-13,904	-14,181	-14,463	-14,750	-15,042	-15,339	-15,641	-15,948	-16,260	-16,577	-16,899	-17,226	-17,558	-17,895	
Retire TY GR and GHI	-158	0	0	0	0	0	-18,275	-18,641	-19,014	-19,394	-19,782	-20,177	-20,581	-21,000	-21,424	-21,854	-22,292	-22,738	-23,192	-23,654	-24,114	-24,582	-25,058	-25,542	
Retire TY GR and MCL-2	-158	0	0	0	0	0	-14,251	-14,536	-14,827	-15,124	-15,426	-15,735	-16,049	-16,370	-16,698	-17,032	-17,372	-17,720	-18,076	-18,439	-18,809	-19,184	-19,564	-19,949	
Retire TY GR and BR1-2	-328	0	0	0	0	0	-29,576	-30,167	-30,771	-31,386	-32,014	-32,654	-33,307	-33,973	-34,653	-35,346	-36,053	-36,774	-37,509	-38,259	-39,025	-39,805	-40,601	-41,413	
Retire TY GR and MCL-2	-328	0	0	0	0	0	-11,969	-12,147	-12,330	-12,518	-12,711	-12,909	-13,111	-13,317	-13,527	-13,741	-13,959	-14,181	-14,407	-14,637	-14,870	-15,107	-15,349	-15,594	
Retire TY GR BR1-2 and MCL-2	-328	0	0	0	0	0	-30,167	-30,771	-31,386	-32,014	-32,654	-33,307	-33,973	-34,653	-35,346	-36,053	-36,774	-37,509	-38,259	-39,025	-39,805	-40,601	-41,413	-42,237	

New Controls Fixed O&M

No Retirements																									
Retire TY	578	4,486	12,567	37,131	37,943	58,030	56,170	57,332	58,518	59,689	60,882	62,100	63,342	64,609	65,901	67,219	68,563	69,955	71,393	72,760	74,125	75,490	76,855	78,220	
Retire TY and GRS	525	8	123	4,486	12,567	33,231	33,935	49,868	50,904	51,962	53,046	54,161	55,306	56,482	57,688	58,924	60,190	61,486	62,812	64,168	65,554	66,970	68,416	69,892	
Retire TY GRS and BR3	471	0	0	0	0	0	29,332	29,957	44,706	45,659	46,599	47,562	48,543	49,548	50,576	51,628	52,704	53,804	54,928	56,076	57,248	58,444	59,666	60,914	
Retire TY GRS and CR4	458	0	0	0	0	0	11,499	28,243	28,847	43,733	44,483	45,412	46,339	47,289	48,273	49,291	50,343	51,430	52,552	53,708	54,894	56,111	57,359	58,638	
Retire TY GRS CR4 and CR6	374	0	0	0	0	0	10,567	20,577	20,978	35,546	36,296	37,061	37,841	38,598	39,370	40,166	40,988	41,836	42,710	43,610	44,536	45,488	46,466	47,470	
Retire TY GRS CR and CR	329	0	0	0	0	0	2,960	10,953	18,831	19,288	33,539	34,549	35,279	36,023	36,791	37,583	38,408	39,266	40,147	41,051	41,980	42,934	43,913	44,906	
Retire TY GRS CR and GHI	314	0	0	0	0	0	11,944	15,180	15,492	29,951	30,509	31,200	31,924	32,681	33,472	34,297	35,156	36,049	36,976	37,937	38,932	39,961	40,924	41,921	
Retire TY GR and MCL-2	312	0	0	0	0	0	11,248	15,136	15,077	29,936	30,574	31,275	31,988	32,726	33,499	34,307	35,150	36,028	36,941	37,889	38,872	39,890	40,942	41,929	
Retire TY GR and CR	299	0	0	0	0	0	11,499	11,728	24,687	25,138	25,680	26,233	26,797	27,372	27,958	28,555	29,164	29,785	30,418	31,062	31,717	32,384	33,062	33,751	
Retire TY GR and MCL-2	240	0	0	0	0	0	10,110	9,674	10,110	22,958	23,546	24,159	24,807	25,480	26,188	26,931	27,709	28,522	29,375	30,268	31,199	32,168	33,175	34,219	
Retire TY GR and TCI	244	0	0	0	0	0	12,073	10,452	10,700	23,569	24,069	24,590	25,132	25,695	26,288	26,911	27,564	28,247	28,960	29,703	30,476	31,288	32,139	33,029	
Retire TY GR and MCL-2	244	0	0	0	0	0	10,343	23,286	23,770	24,280	24,810	25,360	25,928	26,514	27,118	27,740	28,380	29,038	29,715	30,411	31,126	31,860	32,613	33,385	
Retire TY GR and MCL-2	170	0	0	0	0	0	8,474	10,878	9,970	15,475	15,824	16,180	16,544	16,917	17,300	17,691	18,090	18,500	18,918	19,344	19,778	20,220	20,670	21,128	
Retire TY GR and MCL-2	163	0	0	0	0	0	8,706	9,737	8,643	15,352	15,659	15,972	16,291	16,616	16,948	17,288	17,634	17,987	18,346	18,713	19,088	19,469	19,855	20,256	
Retire TY GR CR and MCL-2	238	0	0	0	0	0	10,448	22,894	23,391	23,898	24,415	24,903	25,401	25,910	26,428	26,956	27,495	28,045	28,605	29,178	29,764	30,364	30,969	31,589	
Retire TY GR BR1-2 and MCL-2	142	0	0	0	0	0	6,828	6,964	13,377	14,154	14,437	14,726	15,020	15,321	15,627	15,940	16,259	16,584	16,915	17,254	17,599	17,951	18,308	18,670	

Discount Rate:

2058

2057

2056

2055

2054

2053

2052

2051

2050

2049

2048

2047

2046

2045

2044

2043

2042

2041

2040

2039

2038

2037

2036

2035

2034

New Unit Capital and Production Cost

Table with columns for years 2034-2058 and rows for various retirement categories like No Retirements, Retire TY, and Retire TY CR.

Production Cost

Table with columns for years 2034-2058 and rows for various retirement categories like No Retirements, Retire TY, and Retire TY CR.

Production Cost Delta

Table with columns for years 2034-2058 and rows for various retirement categories like No Retirements, Retire TY, and Retire TY CR.

New Unit Capital

Table with columns for years 2034-2058 and rows for various retirement categories like No Retirements, Retire TY, and Retire TY CR.

Discount Rate:

Table with columns for years 2034 to 2058 and rows for various retirement scenarios like 'Retiree TY GR CR and GHI', 'Retiree TY GR CR', etc.

New Unit Capital Data

Table with columns for years 2034 to 2058 and rows for various retirement scenarios like 'Retiree TY GR CR and GHI', 'Retiree TY GR CR', etc.

No Retirements

Table with columns for years 2034 to 2058 and rows for various retirement scenarios like 'Retiree TY GR CR and GHI', 'Retiree TY GR CR', etc.

No Retirees

Table with columns for years 2034 to 2058 and rows for various retirement scenarios like 'Retiree TY GR CR and GHI', 'Retiree TY GR CR', etc.

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCI4																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCI3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCI-2																					

New Unit Combin Delta

No Retirements																					
Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 CR6 and BR1-2																					
Retire TY GR3 and CR																					
Retire TY GR3 CR and GH3																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCI4																					
Retire TY GR CR and TCI																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCI3																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and BR1-2																					
Retire TY GR CR BR1-2 and MCI-2																					

New Controls Combin

No Retirements																					
Retire TY	7,071																				
Retire TY and GR3	7,071																				
Retire TY GR3 and BR3	7,071																				
Retire TY GR3 and CR4	7,071																				
Retire TY GR3 CR4 and CR6	7,071																				
Retire TY GR3 CR4 CR6 and BR1-2	7,071																				
Retire TY GR3 and CR	7,071																				
Retire TY GR3 CR and GH3	7,071																				
Retire TY GR3 CR and GH1	7,071																				
Retire TY GR and CR	7,071																				
Retire TY GR CR and MCI4	7,071																				
Retire TY GR CR and TCI	7,071																				
Retire TY GR CR and GH4	7,071																				
Retire TY GR CR and MCI3	7,071																				
Retire TY GR CR and GH2	0																				
Retire TY GR CR and MCI-2	7,071																				
Retire TY GR CR and BR1-2	7,071																				
Retire TY GR CR BR1-2 and MCI-2	7,071																				

New Controls Combin Delta

No Retirements																					
Retire TY	0																				
Retire TY and GR3	0																				
Retire TY GR3 and BR3	0																				
Retire TY GR3 and CR4	0																				
Retire TY GR3 CR4 and CR6	0																				
Retire TY GR3 CR4 CR6 and BR1-2	0																				
Retire TY GR3 and CR	0																				
Retire TY GR3 CR and GH3	0																				
Retire TY GR3 CR and GH1	0																				
Retire TY GR and CR	0																				
Retire TY GR CR and MCI4	0																				
Retire TY GR CR and TCI	0																				
Retire TY GR CR and GH4	0																				
Retire TY GR CR and MCI3	0																				
Retire TY GR CR and GH2	-7,071																				
Retire TY GR CR and MCI-2	0																				
Retire TY GR CR and BR1-2	0																				
Retire TY GR CR BR1-2 and MCI-2	0																				

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MIP Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MIP Capital Data

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Data

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Retirements

Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CR4	0
Retire TY GR3 CR4 and CR6	0
Retire TY GR3 CR4 CR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR CR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TCL	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GH2	0
Retire TY GR CR and MCL-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MCL-2	0

Retirement O&M Cost Delta

No Retirements

Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CR4	0
Retire TY GR3 CR4 and CR6	0
Retire TY GR3 CR4 CR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TCL	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GH2	0
Retire TY GR CR and MCL-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MCL-2	0

Existing Unit Fixed O&M

No Retirements

Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CR4	0
Retire TY GR3 CR4 and CR6	0
Retire TY GR3 CR4 CR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR and CR	0

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2020 2021 2022 2023 2024 2025 2026 2027 2028

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Existing Unit-Linked O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Revenue Requirements

No Retirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR BR1-2 and MC1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Revenue Requirements Delta																				
No Refirements																				
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Revenue Requirements Cumulative D																				
No Refirements																				
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1FF 0	5,183	4,991	4,800	4,008	4,417	4,225	4,035	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0
BR	BR1SAM 0	224	216	200	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BR2FF 0	5,535	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	1,180	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR2SAM 0	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR25SCR 0	6,095	5,893	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	1,405	0	0	0	0	0	0	0	0
BR	BR3FF 0	6,673	6,321	5,969	2,424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR3SAM 0	738	699	661	623	584	545	506	467	428	389	350	311	272	233	194	155	116	77	38	0	0	0	0
GH	GH1FF 0	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,469	253	0
GH	GH1SAM 0	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	220	209	198	186	175	164	153
GH	GH2FF 0	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,256	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,470	7,071
GH	GH2SAM 0	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	3,726	3,429	3,132
GH	GH3FF 0	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	4,544	4,254	3,964	3,674	3,384	3,094	2,804	2,514
GH	GH3SAM 0	834	786	758	730	701	673	645	617	589	561	532	504	476	448	420	392	364	336	308	280	252	224	196
GH	GH4FF 0	8,313	7,850	3,188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH4SAM 0	6,377	2,590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1FF 0	431	407	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1SAM 0	6,114	5,816	5,518	5,220	4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3FF 0	5,967	5,626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3SAM 0	3,588	3,214	3,040	2,653	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4FF 0	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4SAM 0	6,834	6,499	6,165	5,830	4,673	341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC5FF 0	691	652	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC5SAM 0	10,183	9,661	9,139	7,976	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC6FF 0	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC6SAM 0	7,069	6,707	6,344	5,937	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC7FF 0	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC7SAM 0	6,171	5,897	5,623	5,349	5,075	4,801	4,186	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR7FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR7SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3FF 0	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3SAM 0	57	55	52	50	48	45	43	41	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4FF 0	1,916	1,849	1,782	1,715	1,648	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	0	0	0	0	0	0	0	0	0	0
GR	GR4SAM 0	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR5FF 0	2,653	2,524	2,395	2,265	2,136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR5SAM 0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
Retirement Cost		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0
All Units																		
2% Escalation Rate																		
Unit Costs (\$000)																		
BR	BR1		3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135
BR	BR2		6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383
BR	BR3		15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279
CR	CR4		14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560
CR	CR5		11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546
CR	CR6		10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159
GH	GH1		17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240
GH	GH2		12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372
GH	GH3		17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138
GH	GH4		11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659
GR	GR3		4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640
GR	GR4		7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167
MC	MC1		11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389
MC	MC2		16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664
MC	MC3		18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278
MC	MC4		16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308
TC	TC1		17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512
TY	TY3		410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$:

Year	Equipment	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	2014 PIFF/PAC	806,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,530	1,002,180
BR	2014 SAM Mitigation	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	2018 SCR	0	0	0	0	0	0	0	0	0	0	0	0
BR	2014 PIFF/PAC	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR	2014 SAM Mitigation	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR	2018 SCR	0	0	0	0	0	0	0	0	0	0	0	0
BR	2015 PIFF/PAC	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
BR	2014 PIFF/PAC	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0
GH	2013 SAM Mitigation	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0
GH	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0
GH	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0
GH	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0
MC	2015 Combined 1&2 F	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC	2015 PIFF/PAC	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681
MC	2015 SAM Mitigation	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	2018 SCR	3,955,242	4,034,347	4,115,034	4,197,335	4,281,282	4,366,907	4,454,245	4,543,330	4,634,197	4,726,881	4,821,418	4,917,847
MC	2015 Combined 1&2 F	388,896	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC	2015 PIFF/PAC	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,382	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC	2015 SAM Mitigation	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	2018 SCR	3,966,897	4,046,235	4,127,159	4,209,703	4,293,897	4,379,775	4,467,370	4,556,718	4,647,852	4,740,809	4,835,625	4,932,338
MC	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0
MC	2015 PIFF/PAC	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,735	2,039,729	2,080,524	2,122,134
MC	2013 SAM Mitigation	49,560	50,551	51,562	52,594	53,645	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0
MC	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0
MC	2014 PIFF/PAC	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC	2014 SAM Mitigation	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0
TC	2015 PIFF/PAC	1,303,015	1,329,075	1,355,656	1,382,769	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
CR	2016 SCR	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0
CR	2016 PIFF	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR	2016 SAM Mitigation	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR	2016 PAC Injection	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR	2016 SCR	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0
CR	2016 PIFF	1,822,471	1,858,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR	2016 SAM Mitigation	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR	2016 PAC Injection	250,572	255,583	260,695	265,909	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554
CR	2016 SCR	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0
CR	2016 PIFF	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR	2016 SAM Mitigation	288,449	294,218	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR	2016 PAC Injection	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR	2018 SCR	1,373,773	1,401,248	1,429,273	1,457,859	1,487,016	1,516,756	1,547,091	1,578,033	1,609,584	1,641,786	1,674,622	1,708,114
GR	CDS-FF	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR	PAC Injection	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR	CDS-FF	1,870,546	1,907,956	1,946,116	1,985,038	2,024,739	2,065,233	2,106,538	2,149,669	2,191,642	2,235,475	2,280,185	2,325,788
GR	PAC Injection	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,371	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR	2016 PAC Injection	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
BR	BR1	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147		
BR	BR2	167	114	423	571	717	860	1,003	1,143	1,283	1,423	1,563	1,703	1,843	1,983	2,123	2,263	2,403	2,543	2,683	2,823	2,963	3,103	3,243	3,383	3,523	3,663	3,803	3,943	
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,488	8,843	9,199	
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,023	2,073	2,125	2,178	2,233	2,289	2,346	2,404	
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,247	2,354	2,461	2,568	2,676	2,784	2,892	3,000	
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,026	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,200	3,343	3,485	3,627	3,769	3,911	4,053	4,195	
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,221	9,814	10,400	10,989	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255	
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,405	9,999	10,599	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255	16,910	
GH	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121	16,777	
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,489	11,088	11,692	12,302	12,917	13,538	14,166	14,800	15,440	16,087	16,741	
GR	GR3	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247	1,294	1,342
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,152	1,215	1,278	1,341	1,404	1,467	1,530	1,593	1,656	1,719	1,782	1,845
MC	MC1	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027	10,403	10,779
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,195	5,555	5,916	6,279	6,644	7,010	7,377	7,745	8,114	8,484	8,854	9,224	9,594	9,964	10,334	10,704
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940	13,426	13,913
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,265	12,849	13,434	14,019	14,604	15,189	15,774	16,359	16,944
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577	3,724	
TC	TC2	549	166	386	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127	5,337	
TY	TY3	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017	3,131	

2.50% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
2029 MC																													
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2031 MC																													
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2037 MC																													
2038 MC																													
2039 MC																													
2040 MC																													
2011 TC			281																										
2012 TC				368																									
2013 TC					288																								
2014 TC						295																							
2015 TC							303																						
2016 TC								318																					
2017 TC									326																				
2018 TC										354																			
2019 TC											342																		
2020 TC												351																	
2021 TC													360																
2022 TC														369															
2023 TC															378														
2024 TC																387													
2025 TC																	397												
2026 TC																		407											
2027 TC																			417										
2028 TC																				428									
2029 TC																					438								
2030 TC																						449							
2031 TC																							461						
2032 TC																								472					
2033 TC																									484				
2034 TC																										496			
2035 TC																											508		
2036 TC																												521	
2037 TC																													
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Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
2040	GR																												
2011	BR	468	629	480	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235	
2012	BR		94	96	137	120	114	108	103	98	92	87	81	76	72	70	68	65	63	61	58	56	54	52	49	47	45	42	
2013	GR				98	141	133	126	120	114	108	103	97	91	86	80	76	73	69	65	62	60	58	55	53	51	48	46	
2014	GR					101	144	136	129	123	117	111	105	99	94	88	82	78	75	73	70	68	66	63	61	58	56	53	
2015	GR						103	148	140	132	126	120	114	108	102	96	90	84	80	77	75	72	70	67	65	62	60	57	
2016	GR							106	151	143	136	129	123	117	111	104	98	92	86	82	79	77	74	71	69	66	64	61	
2017	GR								109	155	147	139	132	126	120	113	107	101	94	88	84	81	78	76	73	70	68	65	
2018	GR									111	159	150	143	135	129	123	116	110	103	97	90	86	83	80	78	75	72	70	
2019	GR										114	163	154	146	139	132	126	119	112	106	99	93	88	85	82	80	77	74	
2020	GR											117	167	158	150	142	136	129	122	115	108	102	95	90	87	84	82	79	
2021	GR												120	171	162	154	146	139	132	125	118	111	104	97	92	90	87	84	
2022	GR													123	176	166	157	150	142	135	128	121	114	107	100	95	92	89	
2023	GR														126	180	170	161	153	146	139	131	124	117	110	102	97	94	
2024	GR															129	184	174	165	157	150	142	135	127	120	112	105	100	
2025	GR																132	189	179	169	161	153	146	138	130	123	115	107	
2026	GR																	136	194	183	174	165	157	149	141	134	126	118	
2027	GR																		139	199	188	178	169	161	153	145	137	129	
2028	GR																			143	204	193	183	173	165	157	149	140	
2029	GR																				146	209	197	187	178	169	161	152	
2030	GR																					150	202	192	182	173	165	156	
2031	GR																						154	202	192	182	173	165	
2032	GR																							157	202	192	182	173	
2033	GR																								161	202	192	182	
2034	GR																									165	202	192	
2035	GR																										169	202	
2036	GR																											174	
2037	GR																												
2038	GR																												
2039	GR																												
2040	GR																												
2011	TY		94	137	129	122	116	111	105	99	94	88	83	77	73	71	68	66	63	61	58	56	53	51	48	46	43	41	
2012	TY			96	140	132	125	119	113	108	102	96	90	85	79	75	72	70	67	65	62	60	57	55	52	49	47	44	
2013	TY				98	143	136	129	122	116	110	104	99	93	87	81	77	74	71	69	66	64	61	59	56	53	51	48	
2014	TY					101	147	139	132	125	119	113	107	101	95	89	83	79	76	73	71	68	65	63	60	57	55	52	
2015	TY						103	151	143	135	128	122	116	110	104	97	91	85	81	78	75	72	70	67	64	61	59	56	
2016	TY							106	154	146	138	131	125	119	112	106	100	93	87	83	80	77	74	71	69	66	63	60	
2017	TY								109	158	150	142	135	128	122	115	109	102	96	89	85	82	79	76	73	70	67	65	
2018	TY									111	162	153	145	138	131	125	118	111	105	98	92	87	84	81	78	75	72	69	
2019	TY										114	166	157	149	142	135	128	121	114	107	101	94	89	86	83	80	77	74	
2020	TY											117	171	161	153	145	138	131	124	117	110	103	96	91	88	85	82	79	

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
	2021 TY												120	175	165	157	149	141	134	127	120	113	106	99	93	90	87	84	
	2022 TY			123	179	184	174	169	161	152	145	138	130	123	116	108	101	96	91	86	80	74	68	62	56	50	44	38	
	2023 TY				126	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129	129
	2024 TY																												
	2025 TY																												
	2026 TY																												
	2027 TY																												
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	2037 TY																												
	2038 TY																												
	2039 TY																												
	2040 TY																												

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029 MC		2,389	2,389	2,256	2,123	1,990	1,857	1,760	1,698	1,636	1,575	1,513	1,451	1,390	1,328	1,266	1,205	1,143	1,081	1,020	0	0	0	0	0
2030 MC		2,586	2,586	2,449	2,313	2,176	2,040	1,904	1,804	1,741	1,680	1,619	1,558	1,498	1,437	1,376	1,315	1,254	1,193	1,132	1,071	1,010	949	888	
2031 MC		2,790	2,790	2,650	2,510	2,371	2,231	2,091	1,991	1,928	1,866	1,805	1,744	1,683	1,622	1,561	1,500	1,439	1,378	1,317	1,256	1,195	1,134	1,073	
2032 MC		3,003	3,003	2,860	2,716	2,573	2,430	2,287	2,143	2,000	1,857	1,829	1,762	1,696	1,629	1,562	1,495	1,428	1,361	1,294	1,227	1,160	1,093	1,026	
2033 MC		3,221	3,221	3,078	2,934	2,791	2,647	2,504	2,360	2,217	2,074	2,046	1,979	1,912	1,845	1,778	1,711	1,644	1,577	1,510	1,443	1,376	1,309	1,242	
2034 MC		3,450	3,450	3,307	3,163	3,020	2,876	2,733	2,589	2,446	2,303	2,275	2,208	2,141	2,074	2,007	1,940	1,873	1,806	1,739	1,672	1,605	1,538	1,471	
2035 MC		3,689	3,689	3,546	3,402	3,259	3,115	2,972	2,828	2,685	2,542	2,514	2,447	2,380	2,313	2,246	2,179	2,112	2,045	1,978	1,911	1,844	1,777	1,710	
2036 MC		3,938	3,938	3,795	3,651	3,508	3,364	3,221	3,077	2,934	2,791	2,763	2,696	2,629	2,562	2,495	2,428	2,361	2,294	2,227	2,160	2,093	2,026	1,959	
2037 MC		4,197	4,197	4,054	3,910	3,767	3,624	3,481	3,337	3,194	3,051	3,023	2,956	2,889	2,822	2,755	2,688	2,621	2,554	2,487	2,420	2,353	2,286	2,219	
2038 MC		4,456	4,456	4,313	4,169	4,026	3,883	3,740	3,596	3,453	3,310	3,282	3,215	3,148	3,081	3,014	2,947	2,880	2,813	2,746	2,679	2,612	2,545	2,478	
2039 MC		4,715	4,715	4,572	4,428	4,285	4,142	4,000	3,856	3,713	3,570	3,542	3,475	3,408	3,341	3,274	3,207	3,140	3,073	3,006	2,939	2,872	2,805	2,738	
2040 MC		4,974	4,974	4,831	4,687	4,544	4,401	4,258	4,115	3,972	3,829	3,801	3,734	3,667	3,600	3,533	3,466	3,399	3,332	3,265	3,198	3,131	3,064	2,997	
2041 TC		142	138	133	128	124	119	114	110	105	101	96	91	86	82	77	72	68	63	59	54	50	45	41	
2042 TC		151	146	141	136	132	127	122	117	113	108	103	98	94	89	84	79	75	70	66	61	57	52	48	
2043 TC		159	154	149	145	140	135	130	125	120	115	111	106	101	96	91	86	81	77	72	68	63	59	54	
2044 TC		168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	83	79	74	69	64	59	
2045 TC		178	172	167	162	157	152	147	142	137	131	126	121	116	111	106	101	96	91	86	81	76	71	66	
2046 TC		187	182	177	171	166	161	156	151	145	140	135	130	124	119	114	109	103	98	93	88	83	78	73	
2047 TC		197	192	187	181	176	170	165	160	154	149	144	138	133	127	122	117	111	106	101	95	90	85	80	
2048 TC		208	202	197	191	186	180	175	169	164	158	153	147	142	136	131	125	120	114	109	103	98	92	87	
2049 TC		219	213	207	202	196	190	185	179	173	168	162	156	151	145	139	134	128	123	117	111	106	100	94	
2050 TC		230	224	218	212	207	201	195	189	183	178	172	166	160	155	149	143	137	131	126	120	114	108	102	
2051 TC		241	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	147	141	135	129	123	117	111	
2052 TC		254	248	242	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	146	140	134	128	122	
2053 TC		266	260	254	247	241	235	229	223	217	211	205	199	193	187	181	175	169	163	157	151	145	139	133	
2054 TC		279	273	266	260	254	247	241	235	229	223	217	211	205	199	193	187	181	175	169	163	157	151	145	
2055 TC		299	293	286	280	273	267	260	254	247	241	235	229	223	217	211	205	199	193	187	181	175	169	163	
2056 TC		315	309	302	296	290	284	278	272	266	260	254	248	242	236	230	224	218	212	206	200	194	188	182	
2057 TC		333	327	320	314	308	302	296	290	284	278	272	266	260	254	248	242	236	230	224	218	212	206	200	
2058 TC		353	347	340	334	328	322	316	310	304	298	292	286	280	274	268	262	256	250	244	238	232	226	220	
2059 TC		382	376	370	364	358	352	346	340	334	328	322	316	310	304	298	292	286	280	274	268	262	256	250	
2060 TC		412	406	400	394	388	382	376	370	364	358	352	346	340	334	328	322	316	310	304	298	292	286	280	
2061 TC		444	438	432	426	420	414	408	402	396	390	384	378	372	366	360	354	348	342	336	330	324	318	312	
2062 TC		476	470	464	458	452	446	440	434	428	422	416	410	404	398	392	386	380	374	368	362	356	350	344	
2063 TC		511	505	500	494	488	482	476	470	464	458	452	446	440	434	428	422	416	410	404	398	392	386	380	
2064 TC		547	541	535	529	523	517	511	505	499	493	487	481	475	469	463	457	451	445	439	433	427	421	415	
2065 TC		588	582	576	570	564	558	552	546	540	534	528	522	516	510	504	498	492	486	480	474	468	462	456	
2066 TC		632	626	620	614	608	602	596	590	584	578	572	566	560	554	548	542	536	530	524	518	512	506	500	
2067 TC		682	676	670	664	658	652	646	640	634	628	622	616	610	604	598	592	586	580	574	568	562	556	550	
2068 TC		734	728	722	716	710	704	698	692	686	680	674	668	662	656	650	644	638	632	626	620	614	608	602	
2069 TC		788	782	776	770	764	758	752	746	740	734	728	722	716	710	704	698	692	686	680	674	668	662	656	
2070 TC		844	838	832	826	820	814	808	802	796	790	784	778	772	766	760	754	748	742	736	730	724	718	712	
2071 TC		904	898	892	886	880	874	868	862	856	850	844	838	832	826	820	814	808	802	796	790	784	778	772	
2072 TC		968	962	956	950	944	938	932	926	920	914	908	902	896	890	884	878	872	866	860	854	848	842	836	
2073 TC		1,038	1,032	1,026	1,020	1,014	1,008	1,002	996	990	984	978	972	966	960	954	948	942	936	930	924	918	912	906	
2074 TC		1,114	1,108	1,102	1,096	1,090	1,084	1,078	1,072	1,066	1,060	1,054	1,048	1,042	1,036	1,030	1,024	1,018	1,012	1,006	1,000	994	988	982	
2075 TC		1,198	1,192	1,186	1,180	1,174	1,168	1,162	1,156	1,150	1,144	1,138	1,132	1,126	1,120	1,114	1,108	1,102	1,096	1,090	1,084	1,078	1,072	1,066	
2076 TC		1,284	1,278	1,272	1,266	1,260	1,254	1,248	1,242	1,236	1,230	1,224	1,218	1,212	1,206	1,200	1,194	1,188	1,182	1,176	1,170	1,164	1,158	1,152	
2077 TC		1,374	1,368	1,362	1,356	1,350	1,344	1,338	1,332	1,326	1,320	1,314	1,308	1,302	1,296	1,290	1,284	1,278	1,272	1,266	1,260	1,254	1,248	1,242	
2078 TC		1,470	1,464	1,458	1,452	1,446	1,440	1,434	1,428	1,422	1,416	1,410	1,4												

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2040	GH	2,218	218	209	203	200	5,639	5,356	5,099	4,864	4,649	4,443	4,236	4,030	3,824	3,618	3,412	3,206	3,065	2,987	2,910	2,833	2,755	2,678	2,601
2011	BR	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182	182
2012	BR	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223	223
2013	BR	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238	238
2014	BR	272	263	253	244	234	224	215	206	196	187	177	168	158	148	138	128	118	108	98	88	78	68	58	48
2015	BR	289	279	269	260	250	240	230	221	211	201	191	182	172	162	152	142	132	122	112	102	92	82	72	62
2016	BR	306	296	286	276	266	256	246	236	226	216	206	196	186	176	166	156	146	136	126	116	106	96	86	76
2017	BR	324	314	303	293	283	273	263	253	243	233	223	213	203	193	183	173	163	153	143	133	123	113	103	93
2018	BR	343	332	321	311	301	290	280	269	259	248	238	227	217	206	196	185	175	165	155	145	135	125	115	105
2019	BR	362	351	340	330	319	308	297	287	276	265	254	244	233	222	211	201	190	179	168	157	146	135	124	113
2020	BR	382	371	360	349	338	327	316	305	294	283	272	261	250	239	228	217	206	195	184	173	162	151	140	129
2021	BR	403	391	380	369	358	346	335	324	312	301	290	278	267	256	245	234	222	211	200	188	177	166	155	144
2022	BR	424	413	401	390	378	367	355	343	332	320	309	297	285	274	262	251	239	228	216	204	193	182	171	160
2023	BR	447	435	423	411	399	388	376	364	352	340	328	316	304	292	281	269	257	245	233	221	209	198	187	176
2024	BR	470	458	446	434	422	409	397	385	373	361	349	336	324	312	300	288	276	263	251	239	227	215	203	191
2025	BR	495	482	470	457	445	432	420	407	395	382	370	357	344	332	320	307	295	282	270	257	245	233	220	208
2026	BR	531	507	494	481	469	456	443	430	417	404	391	378	365	353	341	328	315	302	290	277	264	251	238	225
2027	BR	580	544	520	506	493	480	467	454	441	428	415	402	388	375	362	349	336	323	310	297	284	271	257	244
2028	BR	632	595	568	553	539	526	512	499	485	472	458	444	430	416	402	388	374	360	346	332	318	304	291	277
2029	BR	686	648	620	604	590	576	562	548	534	520	506	492	478	464	450	436	422	408	394	380	366	352	338	324
2030	BR	742	703	674	658	644	630	616	602	588	574	560	546	532	518	504	490	476	462	448	434	420	406	392	378
2031	BR	801	761	721	681	641	601	561	521	481	441	401	361	321	281	241	201	161	121	81	41	1	0	0	0
2032	BR	862	821	780	739	698	657	616	575	534	493	452	411	370	329	288	247	206	165	124	83	42	1	0	0
2033	BR	926	883	841	799	757	715	673	631	589	547	505	463	421	379	337	295	253	211	169	127	85	43	1	0
2034	BR	997	949	905	862	819	776	733	690	647	604	561	518	475	432	389	346	303	260	217	174	131	88	45	2
2035	BR	1,077	1,022	973	928	884	840	795	751	707	663	619	575	531	487	443	399	355	311	267	223	179	135	91	47
2036	BR	1,166	1,104	1,048	997	951	906	861	815	770	725	680	635	590	545	500	455	410	365	320	275	230	185	140	95
2037	BR	890	1,195	1,151	1,074	1,022	975	928	882	836	789	743	697	651	605	559	513	467	421	375	329	283	237	191	145
2038	BR	912	1,195	1,151	1,074	1,022	975	928	882	836	789	743	697	651	605	559	513	467	421	375	329	283	237	191	145
2039	BR	935	1,225	1,181	1,104	1,052	1,005	958	911	864	817	770	723	676	629	582	535	488	441	394	347	300	253	206	159
2040	BR	959	1,287	1,243	1,166	1,114	1,067	1,020	973	926	879	832	785	738	691	644	597	550	503	456	409	362	315	268	221
2041	BR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2042	BR	41	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2043	BR	47	45	42	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2044	BR	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	0
2045	BR	51	48	46	43	41	39	37	35	33	31	29	27	25	23	21	19	17	15	13	11	9	7	5	3
2046	BR	54	52	49	47	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6
2047	BR	58	56	53	51	48	45	43	41	39	37	35	33	31	29	27	25	23	21	19	17	15	13	11	9
2048	BR	63	60	57	55	52	49	47	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12
2049	BR	67	64	61	59	56	53	50	48	45	43	41	39	37	35	33	31	29	27	25	23	21	19	17	15
2050	BR	71	68	66	63	60	57	55	52	49	46	44	42	40	38	36	34	32	30	28	26	24	22	20	18
2051	BR	76	73	70	67	64	62	59	56	53	50	47	45	43	41	39	37	35	33	31	29	27	25	23	21
2052	BR	81	78	75	72	69	66	63	60	57	54	51	48	45	43	41	39	37	35	33	31	29	27	25	23
2053	BR	86	83	80	77	74	71	68	65	62	59	56	53	50	47	44	41	38	35	32	29	26	23	20	17
2054	BR	91	88	85	82	79	76	73	70	67	64	61	58	55	52	49	46	43	40	37	34	31	28	25	22
2055	BR	96	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42	39	36	33	30	27
2056	BR	102	99	96	92	89	86	83	80	77	74	71	68	65	62	59	56	53	50	47	44	41	38	35	32
2057	BR	110	105	101	98	95	91	88	85	81	78	75	72	69	66	63	60	57	54	51	48	45	42	39	36
2058	BR	121	113	107	104	100	97	94	90	87	83	80	77	73	70	66	63	60	56	53	50	47	44	41	38
2059	BR	132	124	116	110	106	103	99	96	92	89	86	82	79	75	72	68	65	61	58	55	52	49	46	43
2060	BR	144	135	127	119	113	109	105	102	98	95	91	88	84	81	77	73	70	66	63	59	56	53	50	47
2061	BR	156	148	139	130	122	115	112	108	104	101	97	93	90	86	83	79	75	72	68	64	61</			

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2021 TY			81	78	74	71	68	65	62	59	55	52	50	0	0	0	0	0	0	0	0	0	0	0	0
2022 TY			86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
2023 TY			92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
2024 TY			97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
2025 TY			103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
2026 TY			112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
2027 TY			123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
2028 TY			134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
2029 TY			146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
2030 TY			159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
2031 TY			172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
2032 TY			186	176	167	158	148	139	133	128	124	119	114	110	106	102	98	94	89	85	81	77	73	69	0
2033 TY			200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
2034 TY			216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
2035 TY			234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
2036 TY			253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
2037 TY			178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
2038 TY			182		266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99
2039 TY				187		273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
2040 TY						192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
	BR Landfill O&M Savings		4,256	4,384	4,515	4,651	1,345	1,123	908	695	485	430	384	338	303
	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	1,163	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	
BR	BR3	416	0	0	0	2,279	3,080	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821	
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837	
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830	
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828	
GR	GR5	68	0	0	0	586	837	792	751	713	675	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,055	1,015	973	932	891	849	808	
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	
TC	TCL	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	
TY	TY5	71	0	0	0	586	837	792	751	713	675	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0	
MCHWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	
TCHWATER			0	0	0	1,874	2,453	2,351	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,289	1,228	1,167	1,106	1,045	984	923	862	801	
GRWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,506	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,532	3,424	3,315	
GRWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,063	1,049	1,015	980	946	912	877	843	809	774	740	
MCLCOOL			0	0	0	0	0	0	1,780	2,599	2,465	2,342	2,228	2,123	2,022	1,921	1,819	1,718	1,617	1,515	1,414	1,340	1,293	1,246	1,199	1,152	1,105	1,058	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRL	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	666	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	1,605	1,526	1,447	1,368	1,289	1,210	1,131	1,052	973	894	815	736	657	578	499	420	341	262	183	104	25	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	955	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	200	188	175	163	150
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	286	268	250	232	214
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER	2,023	1,852	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0	0
CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	485	454	423	392	361	330	300
GRWATER	3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	1,693	1,585	1,477	1,369	1,261	1,153	1,045	937	829	721	613
GRWATER	706	671	637	603	568	533	504	486	468	450	431	413	395	377	359	340	322	304	286	268	250	232	214	196	178
MC1COOL	1,011	964	917	870	823	776	734	692	650	608	566	524	482	440	400	358	316	274	232	190	148	106	64	22	0

KFS3rd Data Request- Case 1 Step Analysis (Step 2)

\$M \$100

NEWIR 2011 2012 2013 2014 2015 2016 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035

Discount Rate: 6.71%

New Unit Capital and Production Cost

Table with columns for Unit Type (No Retirements, Retire TY), Year (2011-2035), and Cost values. Includes sub-sections for 'No Retirements' and 'Production Cost'.

Production Cost

Table showing Production Cost details for various units (Retire TY, Retire TY CR, etc.) across years 2011-2035.

Production Cost Delta

Table showing Production Cost Delta for units (Retire TY, Retire TY CR, etc.) across years 2011-2035.

New Unit Capital

Table showing New Unit Capital for units (Retire TY, Retire TY CR, etc.) across years 2011-2035.

KFS3rd Data Request - Case 1 Step Analysis (Step 2)

Discount Rate: 6.71%

\$M	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
NPWR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	333	1,641	42,862	40,830	43,970	38,271	19,689	19,821	20,101	19,486	20,417	20,476	20,529	20,515	20,788	20,355	20,987	20,688	21,291	21,008	21,835	21,423	20,739

System Annual NOx Emissions Expense

No Retirements	0
Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CH4	0
Retire TY GR3 CH4 and GR6	0
Retire TY GR3 CH4 CH6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR CR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TC1	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GR2	0
Retire TY GR CR and MCL-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MCL-2	0

System Ozone NOx Emissions Expense

No Retirements	0
Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CH4	0
Retire TY GR3 CH4 and GR6	0
Retire TY GR3 CH4 GR6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR CR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TC1	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GH2	0
Retire TY GR CR and MCL-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MCL-2	0

System Total Emissions Expense

No Retirements	0
Retire TY	0
Retire TY and GR3	0
Retire TY GR3 and BR3	0
Retire TY GR3 and CH4	0
Retire TY GR3 CH4 and GR6	0
Retire TY GR3 CH4 CH6 and BR1-2	0
Retire TY GR3 and CR	0
Retire TY GR3 CR and GH3	0
Retire TY GR3 CR and GH1	0
Retire TY GR CR and CR	0
Retire TY GR CR and MC4	0
Retire TY GR CR and TC1	0
Retire TY GR CR and GH4	0
Retire TY GR CR and MC3	0
Retire TY GR CR and GH2	0
Retire TY GR CR and MCL-2	0
Retire TY GR CR and BR1-2	0
Retire TY GR CR BR1-2 and MCL-2	0

Total BR Minus Emissions Expense

No Retirements	0
Retire TY	0

XPSC 3rd Data Request- Care 1 Step Analysis (Step 2)

Discount Rate: 6.71%

	\$M	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire TY and GR3	0																								
Retire TY GR3 and BR3	0																								
Retire TY GR3 and CR4	0																								
Retire TY GR3 CR4 and CR6	0																								
Retire TY GR3 CR4 CR6 and BR1-2	0																								
Retire TY GR3 and CR	0																								
Retire TY GR3 CR and GR3	0																								
Retire TY GR3 CR and GH1	0																								
Retire TY GR and CR	0																								
Retire TY GR CR and MC4	0																								
Retire TY GR CR and TCL	0																								
Retire TY GR CR and GH4	0																								
Retire TY GR CR and MC3	0																								
Retire TY GR CR and GH2	0																								
Retire TY GR CR and MC1-2	0																								
Retire TY GR CR BR1-2 and MC1-2	0																								
Total RB Minus Emissions Expense Delta																									
No Retirements																									
Retire TY																									
Retire TY and GR3																									
Retire TY GR3 and BR3																									
Retire TY GR3 and CR4																									
Retire TY GR3 CR4 and CR6																									
Retire TY GR3 CR4 CR6 and BR1-2																									
Retire TY GR3 and CR																									
Retire TY GR3 CR and GH3																									
Retire TY GR3 CR and GH1																									
Retire TY GR and CR																									
Retire TY GR CR and MC4																									
Retire TY GR CR and TCL																									
Retire TY GR CR and GH4																									
Retire TY GR CR and MC3																									
Retire TY GR CR and GH2																									
Retire TY GR CR and MC1-2																									
Retire TY GR CR and BR1-2																									
Retire TY GR CR BR1-2 and MC1-2																									
297	-489	-5,506	-11,018	-1,405	17,394	1,773	-61,347	-24,591	-49,732	37,823	28,643	-6,641	-9,939	-79,410	71,605	70,203	67,001	69,050	61,906	49,864	67,031	70,579	73,445	73,445	

Discount Rates:

2051

2052

2053

2054

2055

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2061

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2064

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2075

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2077

2078

2079

2080

2081

New Unit Capital and Production Cost

No Retirements	2,859,105	2,927,758	2,965,983	3,021,928	3,158,435	3,151,457	3,274,985
Retire TY	2,827,317	2,956,140	2,995,222	3,045,619	3,148,940	3,149,382	3,266,513
Retire TY and GR3	2,861,279	2,928,819	2,965,716	3,012,250	3,135,951	3,108,939	3,273,787
Retire TY GR3 and BR3	2,983,446	3,057,523	3,097,942	3,152,019	3,279,905	3,200,317	3,400,653
Retire TY GR3 and CR4	2,953,179	3,026,111	3,054,204	3,098,976	3,208,124	3,203,774	3,335,121
Retire TY GR3 CR4 and CR6	3,007,626	3,080,814	3,125,881	3,172,123	3,285,663	3,326,929	3,443,559
Retire TY GR3 CR4 CR6 and BR1-2	3,044,515	3,135,846	3,217,856	3,263,766	3,398,968	3,403,393	3,532,288
Retire TY GR3 CR4 CR6 and CR8	3,058,934	3,201,883	3,237,218	3,292,537	3,384,513	3,401,937	3,522,659
Retire TY GR3 CR4 and GH3	3,269,981	3,344,946	3,392,285	3,438,783	3,537,168	3,606,325	3,714,983
Retire TY GR3 CR4 and GH1	3,288,727	3,336,033	3,405,790	3,461,068	3,594,053	3,594,645	3,729,130
Retire TY GR CR and CR	3,314,700	3,409,604	3,431,925	3,491,110	3,597,709	3,606,382	3,718,747
Retire TY GR CR and MCA	3,283,130	3,345,946	3,400,421	3,441,612	3,568,238	3,603,505	3,729,693
Retire TY GR CR and TCI	3,279,657	3,407,718	3,423,183	3,495,832	3,568,268	3,613,003	3,731,961
Retire TY GR CR and GH4	3,275,764	3,317,778	3,383,627	3,430,538	3,552,455	3,588,771	3,711,780
Retire TY GR CR and MCI	3,284,764	3,415,638	3,454,266	3,494,993	3,598,488	3,612,477	3,716,252
Retire TY GR CR and MCI-2	3,207,789	3,293,643	3,372,607	3,437,868	3,667,163	3,674,672	3,804,873
Retire TY GR CR and BR1-2	3,140,927	3,228,967	3,299,294	3,341,980	3,465,411	3,506,310	3,631,716
Retire TY GR CR BR1-2 and MCI-2	3,408,964	3,491,711	3,557,334	3,647,684	3,754,273	3,759,599	3,869,599

Production Cost

No Retirements	2,507,357	2,553,233	2,594,564	2,657,779	2,790,214	2,785,274	2,917,787
Retire TY	2,484,026	2,578,053	2,594,820	2,647,565	2,770,841	2,786,267	2,919,249
Retire TY and GR3	2,460,930	2,545,153	2,597,295	2,668,590	2,787,507	2,804,647	2,920,742
Retire TY GR3 and BR3	2,573,992	2,664,804	2,720,210	2,788,825	2,922,105	2,945,486	3,040,821
Retire TY GR3 CR4 and CR4	2,524,250	2,598,956	2,645,504	2,707,482	2,831,581	2,842,768	2,987,055
Retire TY GR3 CR4 and CR6	2,588,172	2,688,095	2,748,149	2,808,929	2,927,863	2,963,088	3,084,727
Retire TY GR3 CR4 CR6 and BR1-2	2,679,391	2,776,518	2,853,509	2,892,146	3,019,356	3,025,849	3,166,979
Retire TY GR3 CR4 CR6 and CR8	2,685,110	2,783,925	2,797,634	2,857,597	2,967,254	3,002,168	3,138,512
Retire TY GR3 CR4 and GH3	2,819,850	2,902,135	2,978,483	3,042,201	3,170,972	3,174,840	3,320,946
Retire TY GR3 CR4 and GH1	2,832,689	2,910,687	2,971,798	3,047,980	3,131,116	3,195,512	3,323,703
Retire TY GR CR and MCA	2,876,281	2,771,410	2,840,787	2,891,422	3,008,266	3,021,659	3,158,336
Retire TY GR CR and TCI	2,860,655	2,913,048	2,973,114	3,031,272	3,165,490	3,194,651	3,332,514
Retire TY GR CR and GH4	2,847,636	2,928,801	2,963,056	3,052,702	3,160,675	3,202,533	3,337,417
Retire TY GR CR and MCI	2,863,306	2,884,880	2,956,520	3,020,198	3,148,647	3,180,917	3,305,600
Retire TY GR CR and MCI-2	2,852,740	2,937,021	2,994,139	3,051,663	3,172,505	3,202,007	3,321,708
Retire TY GR CR and BR1-2	2,855,268	2,927,716	3,062,508	3,121,743	3,242,359	3,254,069	3,356,840
Retire TY GR CR BR1-2 and MCI-2	2,739,044	2,834,608	2,901,289	2,949,956	3,070,697	3,088,540	3,222,946
Retire TY GR CR BR1-2 and MCI-2	2,977,729	3,076,094	3,148,652	3,235,022	3,336,555	3,370,456	3,497,929

Production Cost Delta

No Retirements	-23,331	24,820	256	-10,214	-19,973	993	1,463
Retire TY	-23,096	-32,900	2,475	11,024	17,665	18,379	1,492
Retire TY and GR3	113,062	119,652	122,915	130,235	134,198	140,840	120,079
Retire TY GR3 and BR3	63,320	53,804	48,208	48,699	44,074	38,121	66,314
Retire TY GR3 CR4 and CR4	73,521	89,139	102,646	101,647	95,882	120,331	94,672
Retire TY GR3 CR4 CR6 and BR1-2	81,219	88,423	105,359	83,218	91,493	62,751	85,252
Retire TY GR3 CR4 CR6 and CR8	86,538	95,829	49,465	48,668	39,492	39,070	56,785
Retire TY GR3 CR4 and GH3	134,740	128,756	178,524	180,707	175,859	204,302	180,745
Retire TY GR3 CR4 and GH1	191,142	119,211	180,869	184,605	203,618	172,672	182,434
Retire TY GR CR and MCA	-8,829	-12,515	43,173	33,825	40,911	19,331	19,824
Retire TY GR CR and TCI	156,418	159,777	131,011	156,558	122,851	174,413	165,367
Retire TY GR CR and GH4	204,374	141,638	132,327	139,850	157,224	173,152	165,177
Retire TY GR CR and MCI	171,355	157,391	122,269	161,280	152,410	181,034	179,081
Retire TY GR CR and MCI-2	187,025	115,470	115,793	128,776	140,384	159,418	147,634
Retire TY GR CR and BR1-2	176,459	165,611	153,352	160,441	164,640	180,508	163,372
Retire TY GR CR and BR1-2 and MCI-2	215,987	221,506	221,721	230,321	234,327	232,958	238,593
Retire TY GR CR BR1-2 and MCI-2	62,763	63,197	60,502	58,174	62,381	67,041	64,610
Retire TY GR CR BR1-2 and MCI-2	238,685	241,487	247,343	285,427	265,508	261,896	264,383

New Unit Capital

No Retirements	351,748	374,525	371,419	364,149	368,221	366,183	357,179
Retire TY	343,291	378,087	400,402	396,054	378,699	363,115	349,264
Retire TY and GR3	400,399	383,666	368,421	353,661	348,044	355,853	353,045
Retire TY GR3 and BR3	409,454	392,719	377,732	363,194	357,800	363,831	361,832
Retire TY GR3 CR4 and CR4	428,929	427,255	408,701	391,694	376,143	361,006	346,066
Retire TY GR3 CR4 and CR6	409,454	392,719	377,732	363,194	357,800	363,831	361,832
Retire TY GR3 CR4 CR6 and BR1-2	365,124	359,328	364,348	370,620	379,612	377,544	368,309
Retire TY GR3 CR4 CR6 and CR8	383,824	417,958	439,714	434,940	417,159	399,769	384,147
Retire TY GR3 CR4 and GH3	450,131	432,265	416,148	400,479	393,955	398,855	395,726

Discount Rate:

Table with columns for years 2034-2058 and rows for various retirement scenarios (e.g., Retiree TY GR3 CR and GH1, Retiree TY GR and CR).

New Unit Capital Delta

No Retirements

Table with columns for years 2034-2058 and rows for various retirement scenarios (e.g., Retiree TY GR3 CR and GH1, Retiree TY GR and CR).

New Control Capital

No Retirements

Table with columns for years 2034-2058 and rows for various retirement scenarios (e.g., Retiree TY GR3 CR and GH1, Retiree TY GR and CR).

New Control Capital Delta

No Retirements

Table with columns for years 2034-2058 and rows for various retirement scenarios (e.g., Retiree TY GR3 CR and GH1, Retiree TY GR and CR).

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
MTP Capital															
No Retirements	139,365	145,108	150,859	156,607	161,351	166,658	172,046								
Retire TY	136,574	142,204	147,852	152,955	158,182	163,409	168,716								
Retire TY and GR3	135,425	141,005	146,635	151,700	156,839	162,032	167,505								
Retire TY GR3 and BR3	127,287	132,518	137,793	142,498	147,275	152,102	157,000								
Retire TY GR3 and CR4	133,190	138,717	144,250	149,295	154,374	159,506	164,715								
Retire TY GR3 CR4 and CR6	124,491	129,705	134,960	139,644	144,598	149,197	154,070								
Retire TY GR3 CR4 CR6 and BR1-2	127,312	132,692	138,115	142,986	147,866	152,856	157,869								
Retire TY GR3 and CR	112,482	117,220	121,994	126,191	130,449	134,750	139,117								
Retire TY GR3 CR and GH3	112,636	117,381	122,162	126,365	130,631	134,959	139,312								
Retire TY GR3 CR and GH1	125,703	131,017	136,373	141,157	146,010	150,933	155,928								
Retire TY GR and CR	111,099	115,623	120,587	124,977	129,425	133,934	138,504								
Retire TY GR CR and MC4	122,417	127,586	132,796	137,432	142,136	146,907	151,749								
Retire TY GR CR and TCI	110,903	115,577	120,286	124,417	128,609	132,865	137,185								
Retire TY GR CR and GH4	113,792	118,562	123,433	127,854	132,415	136,999	141,645								
Retire TY GR CR and MCI3	110,749	115,416	120,118	124,242	128,428	132,676	136,989								
Retire TY GR CR and MCI2	107,211	111,778	116,384	120,669	125,010	129,408	133,865								
Retire TY GR CR and BR1-2	120,462	125,549	130,676	135,229	139,849	144,536	149,293								
Retire TY GR CR BR1-2 and MCI-2	101,970	106,310	110,687	114,741	118,848	123,011	127,229								

MTC Capital Delta

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	-2,790	-2,904	-3,017	-3,092	-3,170	-3,249	-3,330								
Retire TY	-1,152	-1,199	-1,247	-1,295	-1,343	-1,377	-1,411								
Retire TY and GR3	-8,136	-8,488	-8,843	-9,202	-9,564	-9,930	-10,300								
Retire TY GR3 and BR3	-2,233	-2,289	-2,346	-2,405	-2,465	-2,526	-2,589								
Retire TY GR3 and CR4	-3,457	-3,544	-3,632	-3,723	-3,816	-3,912	-4,009								
Retire TY GR3 CR4 and CR6	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635								
Retire TY GR3 CR4 CR6 and BR1-2	-2,420	-2,481	-2,481	-2,406	-2,671	-2,738	-2,807								
Retire TY GR3 and CR	-14,831	-15,472	-16,121	-16,775	-17,437	-18,106	-18,782								
Retire TY GR3 CR and GH3	-14,676	-15,311	-15,953	-16,601	-17,256	-17,918	-18,587								
Retire TY GR3 CR and GH1	-1,609	-1,675	-1,742	-1,809	-1,876	-1,923	-1,971								
Retire TY GR and CR	-14,604	-15,194	-15,786	-16,380	-16,985	-17,601	-18,224								
Retire TY GR CR and MC4	-3,286	-3,431	-3,577	-3,725	-3,875	-4,026	-4,180								
Retire TY GR CR and TCI	-14,890	-15,440	-16,087	-16,741	-17,401	-18,069	-18,743								
Retire TY GR CR and GH4	-11,971	-12,495	-13,040	-13,683	-14,353	-14,994	-15,683								
Retire TY GR CR and MCI3	-14,954	-15,601	-16,255	-16,915	-17,583	-18,257	-18,959								
Retire TY GR CR and GH2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063								
Retire TY GR CR and MCI-2	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635								
Retire TY GR CR BR1-2 and MCI-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063								

Landfill Capital

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	115,469	117,869	118,900	120,220	121,001	121,866	122,751								
Retire TY	115,469	117,869	118,900	120,220	121,001	121,866	122,751								
Retire TY and GR3	115,469	117,869	118,900	120,220	121,001	121,866	122,751								
Retire TY GR3 and BR3	113,987	116,150	117,208	118,512	119,031	119,644	120,251								
Retire TY GR3 and CR4	113,721	116,150	117,208	118,512	119,031	119,644	120,251								
Retire TY GR3 CR4 and CR6	110,944	113,467	114,588	115,867	116,667	117,500	118,368								
Retire TY GR3 CR4 CR6 and BR1-2	109,989	112,609	114,445	115,745	116,667	117,500	118,368								
Retire TY GR3 CR6 and CR	109,049	111,624	112,754	114,036	115,269	116,546	117,862								
Retire TY GR3 CR and GH3	89,473	91,157	92,945	94,895	96,995	99,249	101,662								
Retire TY GR3 CR and GH1	89,677	91,370	93,168	95,083	97,122	99,294	101,601								
Retire TY GR and CR	109,049	111,624	112,754	114,036	115,269	116,546	117,862								
Retire TY GR CR and MC4	109,049	111,624	112,754	114,036	115,269	116,546	117,862								
Retire TY GR CR and TCI	97,383	100,281	103,173	106,065	108,957	111,849	114,741								
Retire TY GR CR and GH4	89,514	91,199	92,945	94,895	97,122	99,294	101,601								
Retire TY GR CR and MCI3	109,049	111,624	112,754	114,036	115,269	116,546	117,862								
Retire TY GR CR and GH2	89,310	90,986	92,761	94,637	96,613	98,689	100,865								
Retire TY GR CR and MCI-2	109,049	111,624	112,754	114,036	115,269	116,546	117,862								
Retire TY GR CR and BR1-2	108,094	110,746	112,611	114,894	117,611	120,840	124,589								
Retire TY GR CR BR1-2 and MCI-2	108,094	110,746	112,611	114,894	117,611	120,840	124,589								

Landfill Capital Delta

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	0	0	0	0	0	0	0								
Retire TY	0	0	0	0	0	0	0								
Retire TY and GR3	-1,482	-1,363	-222	-189	-157	-124	-97								
Retire TY GR3 and BR3	-1,748	-1,719	-1,692	-1,708	-1,727	-1,747	-1,771								
Retire TY GR3 and CR4	-2,777	-2,652	-2,620	-2,645	-2,674	-2,705	-2,742								
Retire TY GR3 CR4 and CR6	-955	-878	-843	-812	-781	-750	-720								
Retire TY GR3 CR4 CR6 and BR1-2	-1,895	-1,864	-1,834	-1,804	-1,774	-1,744	-1,714								
Retire TY GR3 and CR	-19,576	-20,467	-21,409	-21,921	-22,518	-23,184	-23,921								
Retire TY GR3 CR and GH3	-19,576	-20,467	-21,409	-21,921	-22,518	-23,184	-23,921								
Retire TY GR3 CR and GH1	-19,372	-20,254	-21,186	-21,692	-22,492	-23,354	-24,283								

Discount Rate:

Table with columns for years 2034-2058 and rows for various retirement categories (e.g., Retiree TY, Retiree TY and GR3, etc.).

Total Revenue Requirements Delta

Table with columns for years 2034-2058 and rows for various retirement categories, showing revenue requirements and deltas.

Total Revenue Requirements Cumulative

Table with columns for years 2034-2058 and rows for various retirement categories, showing cumulative revenue requirements.

System SO2 Emissions Expense

Table with columns for years 2034-2058 and rows for various retirement categories, showing SO2 emissions expenses.

Discount Rate:

2031 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR BR1-2
 Retire TY GR CR BR1-2 and MCL-2

21,481 20,880 21,526 21,493 21,362 21,604 21,604 21,091

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

8,570 8,370 8,550 8,595 8,647 8,785 8,890

6,450 6,259 6,399 6,504 6,417 6,560 6,572

System Ozone NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR3 CR and MC4
 Retire TY GR CR and CR
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

9,250 9,430 9,484 9,509 9,573 9,658 9,722

7,244 7,183 7,245 7,340 7,311 7,385 7,235

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

40,100 39,490 40,441 40,442 40,500 40,955 40,676

35,175 34,322 35,170 35,337 35,030 35,549 34,853

Total BR Minus Emissions Expense

No Retirements
 Retire TY

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR4-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

3,689,738 3,745,355 3,854,080 3,911,653 3,963,981 3,962,940 4,082,609

3,754,367 3,849,796 3,915,629 3,961,144 4,006,198 4,095,703 4,199,895

Total RIA Minus Emissions Expense Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

65,630 64,441 61,543 49,491 47,217 71,764 57,285

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH1
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

New Unit Capital Delta
 No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR and MCI-2

New Controls Capital
 No Retirements
 7,071
 Retire TY
 7,071
 Retire TY and GR3
 7,071
 Retire TY GR3 and BR3
 7,071
 Retire TY GR3 and CR4
 7,071
 Retire TY GR3 CR4 and CR6
 7,071
 Retire TY GR3 CR4 CR6 and BR1-2
 7,071
 Retire TY GR3 and CR
 7,071
 Retire TY GR3 CR and GH3
 7,071
 Retire TY GR3 CR and GH1
 7,071
 Retire TY GR and CR
 7,071
 Retire TY GR CR and MCA
 7,071
 Retire TY GR CR and TCI
 7,071
 Retire TY GR CR and GH4
 7,071
 Retire TY GR CR and MCA
 0
 Retire TY GR CR and GH2
 7,071
 Retire TY GR CR and MCI-2
 7,071
 Retire TY GR CR BR1-2 and MCI-2
 7,071

New Controls Capital Delta
 No Retirements
 Retire TY
 0
 Retire TY and GR3
 0
 Retire TY GR3 and BR3
 0
 Retire TY GR3 and CR4
 0
 Retire TY GR3 CR4 and CR6
 0
 Retire TY GR3 CR4 CR6 and BR1-2
 0
 Retire TY GR3 and CR
 0
 Retire TY GR3 CR and GH3
 0
 Retire TY GR3 CR and GH1
 0
 Retire TY GR and CR
 0
 Retire TY GR CR and MCA
 0
 Retire TY GR CR and TCI
 0
 Retire TY GR CR and GH4
 0
 Retire TY GR CR and MCA
 0
 Retire TY GR CR and GH2
 -7,071
 Retire TY GR CR and MCI-2
 0
 Retire TY GR CR and BR1-2
 0
 Retire TY GR CR BR1-2 and MCI-2
 0

Discount Rate:

2053 2060 2061 2062 2063 2064 2065 2065 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTE Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

- Retire TY GR and CR
 - Retire TY GR CR and MC4
 - Retire TY GR CR and TC1
 - Retire TY GR CR and GH4
 - Retire TY GR CR and MC3
 - Retire TY GR CR and GH2
 - Retire TY GR CR and MCL-2
 - Retire TY GR CR and BR1-2
 - Retire TY GR CR BR1-2 and MCL-2
- Water Capital**
- No Retirements
 - Retire TY
 - Retire TY and GR3
 - Retire TY GR3 and BR3
 - Retire TY GR3 and CH4
 - Retire TY GR3 CR4 and CR6
 - Retire TY GR3 CR4 CR6 and BR1-2
 - Retire TY GR3 and CR
 - Retire TY GR3 CR and GH3
 - Retire TY GR3 CR and GH1
 - Retire TY GR and CR
 - Retire TY GR CR and MC4
 - Retire TY GR CR and TC1
 - Retire TY GR CR and GH4
 - Retire TY GR CR and MC3
 - Retire TY GR CR and GH2
 - Retire TY GR CR and MCL-2
 - Retire TY GR CR and BR1-2
 - Retire TY GR CR BR1-2 and MCL-2

Water Capital Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CH4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Total Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CH4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Total Capital Delta

Discount Rate:

	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Retirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TC1

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MC1-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

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Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Retire TY GR CR BR1-2 and MC1-2

Discount Rate:

	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078		
Retire TY GR CR and MC4																													
Retire TY GR CR and TCL																													
Retire TY GR CR and GH4																													
Retire TY GR CR and MC3																													
Retire TY GR CR and GH2																													
Retire TY GR CR and MCL-2																													
Retire TY GR CR and BR1-2																													
Retire TY GR CR BR1-2 and MCL-2																													

Existing Unit Fixed O&M Delta

No Retirements																													
Retire TY																													
Retire TY and GR3																													
Retire TY GR3 and BR3																													
Retire TY GR3 and GH4																													
Retire TY GR3 CR4 and CR6																													
Retire TY GR3 CR4 CR6 and BR1-2																													
Retire TY GR3 and CR																													
Retire TY GR3 CR and GH3																													
Retire TY GR3 CR and GH1																													
Retire TY GR and CR																													
Retire TY GR CR and MC4																													
Retire TY GR CR and TCL																													
Retire TY GR CR and GH4																													
Retire TY GR CR and MC3																													
Retire TY GR CR and GH2																													
Retire TY GR CR and MCL-2																													
Retire TY GR CR and BR1-2																													
Retire TY GR CR BR1-2 and MCL-2																													

New Controls Fixed O&M

No Retirements																													
Retire TY																													
Retire TY and GR3																													
Retire TY GR3 and BR3																													
Retire TY GR3 and GH4																													
Retire TY GR3 CR4 CR6 and BR1-2																													
Retire TY GR3 and CR																													
Retire TY GR3 CR and GH3																													
Retire TY GR3 CR and GH1																													
Retire TY GR and CR																													
Retire TY GR CR and MC4																													
Retire TY GR CR and TCL																													
Retire TY GR CR and GH4																													
Retire TY GR CR and MC3																													
Retire TY GR CR and GH2																													
Retire TY GR CR and MCL-2																													
Retire TY GR CR and BR1-2																													
Retire TY GR CR BR1-2 and MCL-2																													

New Controls Fixed O&M Delta

No Retirements																													
Retire TY																													
Retire TY and GR3																													
Retire TY GR3 and BR3																													
Retire TY GR3 and GH4																													
Retire TY GR3 CR4 CR6 and BR1-2																													
Retire TY GR3 and CR																													
Retire TY GR3 CR and GH3																													
Retire TY GR3 CR and GH1																													
Retire TY GR and CR																													
Retire TY GR CR and MC4																													
Retire TY GR CR and TCL																													
Retire TY GR CR and GH4																													
Retire TY GR CR and MC3																													
Retire TY GR CR and GH2																													
Retire TY GR CR and MCL-2																													
Retire TY GR CR and BR1-2																													
Retire TY GR CR BR1-2 and MCL-2																													

Total Revenue Requirements

No Retirements	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
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Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

System Ozone NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

Total BR Minus Emissions Expense

No Retirements
 Retire TY

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 CR6 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Isch1 BR Minus Emisison Expense Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 CR6 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1FF 0	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	3,075	2,884	2,692	2,500	2,308	2,116	1,924	1,732	1,540	1,348	1,156	964
BR	BR1SAM 0	224	216	208	199	191	183	174	166	158	150	141	132	124	115	107	98	90	81	73	64	56	47	39
BR	BR1SCR 0	5,395	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	3,403	3,190	2,977	2,764	2,551	2,338	2,125	1,912	1,699	1,486	1,273	1,060	847
BR	BR2 0	222	213	205	196	187	179	170	162	153	145	137	128	120	111	103	94	86	77	69	60	52	43	35
BR	BR2SAM 0	6,095	5,893	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	3,257	3,054	2,851	2,648	2,445	2,242	2,039	1,836	1,633
BR	BR3 0	6,673	6,321	5,969	5,617	5,265	4,913	4,561	4,209	3,857	3,505	3,153	2,801	2,449	2,097	1,745	1,393	1,041	689	337	0	0	0	0
GH	GH1 0	738	699	661	623	584	546	508	470	432	394	356	318	280	242	204	166	128	90	52	14	0	0	0
GH	GH1SAM 0	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,774	3,548	3,322
GH	GH2 0	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	184	173	161	150
GH	GH2SAM 0	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,256	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,470	7,071
GH	GH3 0	9,689	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	3,726	3,429	3,132
GH	GH3SAM 0	809	782	756	730	703	677	650	624	598	571	545	518	492	465	438	412	385	358	332	305	278	252	225
GH	GH4 0	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	4,545	4,255	3,965	3,675	3,385	3,095	2,805	2,515
GH	GH4SAM 0	814	786	758	730	701	673	645	617	589	561	532	504	476	448	420	392	364	336	308	280	252	224	196
MC	MC1 0	6,754	6,377	2,950	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1FF 0	431	407	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1SAM 0	6,114	5,816	5,518	5,220	4,922	4,624	4,326	4,028	3,730	3,432	3,134	2,836	2,538	2,240	1,942	1,644	1,346	1,048	750	452	154	0	0
MC	MC2 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3 0	5,967	5,626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3FF 0	3,388	3,214	3,040	2,853	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3SAM 0	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3FF 0	6,884	6,499	6,165	5,830	4,673	341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3SAM 0	691	652	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4 0	10,183	9,661	9,139	7,976	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4FF 0	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4SAM 0	7,069	6,707	6,344	5,537	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4FF 0	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4SAM 0	6,171	5,897	5,623	5,349	4,801	4,186	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR7 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3 0	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	1,301	1,218	1,135	1,052	969	886	803	720	637	554	471	388	305	222
GR	GR3FF 0	57	55	52	50	48	45	43	41	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10
GR	GR3SAM 0	1,916	1,849	1,782	1,715	1,648	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	1,045	978	911	844	777	710	643	576	509	442
GR	GR4 0	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4FF 0	2,653	2,524	2,395	2,265	2,136	2,006	1,877	1,747	1,618	1,488	1,358	1,228	1,098	968	838	708	578	448	318	188	58	0	0
GR	GR4SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4FF 0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135				
BR	BR2	6,633	7,160	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383				
BR	BR3	15,885	20,876	14,904	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279				
CR	CR4	14,372	9,218	12,029	12,269	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560				
CR	CR5	11,842	9,889	10,666	13,047	13,047	13,308	13,574	13,845	14,122	14,405	14,693	15,286	15,592	16,222				
CR	CR6	10,666	11,619	10,376	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159				
GH	GH1	17,829	19,141	17,966	18,325	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240				
GH	GH2	12,225	18,498	13,429	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372				
GH	GH3	17,961	13,501	12,475	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138				
GH	GH4	11,533	13,496	12,105	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659				
GR	GR3	4,270	5,792	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640				
GR	GR4	7,338	6,924	8,633	8,805	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167				
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753				
MC	MC2	16,179	11,941	15,201	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664				
MC	MC3	18,313	14,238	17,221	17,566	18,641	18,917	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278				
MC	MC4	16,531	18,981	17,245	17,590	18,666	19,042	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308				
TC	TC1	17,205	15,170	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512				
TY	TY3	410	416	418	427	453	462	471	480	490	500	510	520	530	541				

		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Retirement Cost															
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,577	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TV3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Table with columns: Escalation Rate, Year, Equipment, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040. Rows include various equipment types like PIFF/PAC, SCR, SAM Mitigation, and Combined 1&2 FI, with corresponding values for each year.

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147
BR	BR2	167	114	271	423	571	717	860	1,001	1,139	1,275	1,408	1,539	1,667	1,794	1,922	2,052	2,182	2,313	2,446	2,579	2,714	2,850	2,988	3,126	3,266	3,407	3,550
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,489	8,843
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,023	2,073	2,123	2,173	2,223	2,273	2,323
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,193	2,247	2,304	2,361	2,420	2,481	2,543
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,028	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,132	3,210	3,291	3,373	3,457	3,544	3,632
GH	GH1	475	510	1,206	1,884	2,598	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,405	9,999	10,599	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255
GH	GH2	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,747	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,489	11,088	11,692	12,302	12,917	13,538	14,166	14,800	15,440	16,087
GR	GR3	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247
GR	GR4	95	55	134	211	286	360	432	508	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742
MC	MC1	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,276	9,651	10,027
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,555	5,916	6,279	6,646	7,017	7,392	7,769	8,146	8,525	8,905	9,286	9,668	10,052
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,103	9,582	10,062	10,550	11,039	11,529	12,020	12,512	13,004
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,265	12,850	13,430	14,016	14,604	15,194	15,786
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577
TC	TC2	549	166	386	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127
TY	TY3	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017

2.50% Capital Escalation Rate

Station	Unit	\$000																			
		2021 TY	2022 TY	2023 TY	2024 TY	2025 TY	2026 TY	2027 TY	2028 TY	2029 TY	2030 TY	2031 TY	2032 TY	2033 TY	2034 TY	2035 TY	2036 TY				
	Capacity	120	175	165	157	149	141	134	127	120	113	106	99	93	90	87	84				
	2021 TY		123	179	169	161	152	145	138	130	123	116	108	101	96	93	89				
	2023 TY			126	184	174	165	156	149	141	134	126	119	111	104	98	95				
	2024 TY				129	188	178	169	160	152	145	137	129	122	114	106	101				
	2025 TY					132	193	182	173	164	156	148	140	133	125	117	109				
	2026 TY						136	198	187	177	168	160	152	144	136	128	120				
	2027 TY							139	203	192	182	172	164	156	148	139	131				
	2028 TY								208	208	196	186	177	168	160	151	143				
	2029 TY									208	196	186	177	168	160	151	143				
	2030 TY										213	201	191	181	172	164	155				
	2031 TY											218	206	196	186	177	168				
	2032 TY												224	212	201	190	181				
	2033 TY													229	217	206	195				
	2034 TY														222	211	206				
	2035 TY															222	211				
	2036 TY																222				
	2037 TY																	228			
	2038 TY																		241		
	2039 TY																			247	
	2040 TY																				174

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2037	Capacity	142	138	133	128	124	119	114	110	106	101	96	91	87	82	77	72	67	62	57	52	47	42	37	32
2038	2038 MC	151	146	141	136	132	127	122	117	113	108	103	98	94	89	84	79	74	69	64	59	54	49	44	39
2039	2039 MC	159	154	149	145	140	135	130	125	121	116	111	106	101	96	91	86	81	76	71	66	61	56	51	46
2040	2040 MC	168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	83	78	73	68	63	58	53
2041	2041 MC	178	172	167	162	157	152	147	142	137	131	126	121	116	111	106	101	96	91	86	81	76	71	66	61
2042	2042 MC	187	182	177	172	166	161	156	150	145	140	135	130	124	119	114	109	103	98	93	88	83	78	73	68
2043	2043 MC	197	192	187	181	176	170	165	160	154	149	144	138	133	127	122	117	111	106	101	95	90	85	80	75
2044	2044 MC	208	202	197	191	186	180	175	169	164	158	153	147	142	136	131	125	120	114	109	103	98	92	87	82
2045	2045 MC	219	213	207	202	196	190	185	179	173	168	162	156	151	145	139	134	128	123	117	111	106	100	94	89
2046	2046 MC	230	224	218	212	207	201	195	189	183	178	172	166	160	155	149	143	137	131	126	120	114	108	102	96
2047	2047 MC	241	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	147	141	135	129	123	117	111	105
2048	2048 MC	254	248	241	235	229	223	217	211	205	199	193	187	181	175	169	163	157	151	145	139	133	127	121	115
2049	2049 MC	266	260	254	247	241	235	229	223	216	210	204	198	191	185	179	173	167	161	155	149	143	137	131	125
2050	2050 MC	279	273	266	260	254	247	241	234	228	222	215	209	203	196	190	183	177	171	164	158	151	145	139	132
2051	2051 MC	299	286	280	273	267	260	254	247	241	234	228	222	215	209	203	196	190	183	177	171	164	158	151	145
2052	2052 MC	325	306	293	287	280	273	266	260	253	247	240	234	227	221	214	208	201	194	188	181	175	168	162	155
2053	2053 MC	353	334	321	314	307	299	292	284	277	270	263	256	249	242	235	228	221	214	207	200	193	186	179	172
2054	2054 MC	382	362	342	322	308	301	294	287	280	273	266	259	252	245	238	231	224	217	210	203	196	189	182	175
2055	2055 MC	412	392	371	350	330	316	309	301	294	287	280	273	266	258	251	244	236	229	222	215	207	200	193	186
2056	2056 MC	444	423	401	380	359	338	324	316	309	302	294	287	279	272	265	257	250	242	235	227	220	213	206	199
2057	2057 MC	476	455	433	411	390	368	347	332	324	317	309	302	294	286	279	271	264	256	248	241	233	226	218	211
2058	2058 MC	511	488	466	444	422	400	377	355	340	332	324	317	309	302	294	286	279	271	264	256	248	241	233	226
2059	2059 MC	547	523	501	478	455	432	410	387	364	349	341	333	325	317	309	301	293	286	278	270	262	255	247	239
2060	2060 MC	588	561	536	513	490	466	443	420	396	373	357	340	323	305	287	269	251	233	215	200	182	165	148	131
2061	2061 MC	632	602	575	550	526	502	478	454	430	406	382	358	334	310	286	262	238	214	190	166	142	118	94	70
2062	2062 MC	682	648	617	589	564	539	515	490	466	441	417	392	376	357	338	324	303	284	264	244	224	204	184	164
2063	2063 MC	734	699	664	633	604	578	553	527	502	477	452	427	402	385	367	348	329	309	289	269	249	229	209	189
2064	2064 MC	788	747	711	681	648	619	592	566	541	515	489	463	438	421	395	385	365	346	326	306	286	266	246	226
2065	2065 MC	842	795	758	725	698	665	634	607	580	554	528	501	475	449	422	404	385	366	346	326	306	286	266	246
2066	2066 MC	896	848	811	775	748	715	681	650	622	595	568	541	514	487	460	433	414	394	374	354	334	314	294	274
2067	2067 MC	950	898	861	825	798	765	731	700	672	645	618	591	564	537	510	483	456	429	402	375	348	321	294	267
2068	2068 MC	1004	951	914	878	841	804	777	749	722	695	668	641	614	587	560	533	506	479	452	425	398	371	344	317
2069	2069 MC	1058	1005	968	931	894	857	820	783	756	729	702	675	648	621	594	567	540	513	486	459	432	405	378	351
2070	2070 MC	1112	1059	1022	985	948	911	874	837	800	773	746	719	692	665	638	611	584	557	530	503	476	449	422	395
2071	2071 MC	1166	1113	1076	1039	1002	965	928	891	854	817	780	743	706	669	632	595	558	521	484	447	410	373	336	300
2072	2072 MC	1220	1167	1130	1093	1056	1019	982	945	908	871	834	797	760	723	686	649	612	575	538	501	464	427	390	353
2073	2073 MC	1274	1221	1184	1147	1110	1073	1036	999	962	925	888	851	814	777	740	703	666	629	592	555	518	481	444	407
2074	2074 MC	1328	1275	1238	1201	1164	1127	1090	1053	1016	979	942	905	868	831	794	757	720	683	646	609	572	535	498	461
2075	2075 MC	1382	1329	1292	1255	1218	1181	1144	1107	1070	1033	996	959	922	885	848	811	774	737	700	663	626	589	552	515
2076	2076 MC	1436	1383	1346	1309	1272	1235	1198	1161	1124	1087	1050	1013	976	939	902	865	828	791	754	717	680	643	606	569
2077	2077 MC	1490	1437	1400	1363	1326	1289	1252	1215	1178	1141	1104	1067	1030	993	956	919	882	845	808	771	734	697	660	623
2078	2078 MC	1544	1491	1454	1417	1380	1343	1306	1269	1232	1195	1158	1121	1084	1047	1010	973	936	899	862	825	788	751	714	677
2079	2079 MC	1598	1545	1508	1471	1434	1397	1360	1323	1286	1249	1212	1175	1138	1101	1064	1027	990	953	916	879	842	805	768	731
2080	2080 MC	1652	1600	1563	1526	1489	1452	1415	1378	1341	1304	1267	1230	1193	1156	1119	1082	1045	1008	971	934	897	860	823	786
2081	2081 MC	1706	1654	1617	1580	1543	1506	1469	1432	1395	1358	1321	1284	1247	1210	1173	1136	1099	1062	1025	988	951	914	877	840
2082	2082 MC	1760	1708	1671	1634	1597	1560	1523	1486	1449	1412	1375	1338	1301	1264	1227	1190	1153	1116	1079	1042	1005	968	931	894
2083	2083 MC	1814	1762	1725	1688	1651	1614	1577	1540	1503	1466	1429	1392	1355	1318	1281	1244	1207	1170	1133	1096	1059	1022	985	948
2084	2084 MC	1868	1816	1779	1742	1705	1668	1631	1594	1557	1520	1483	1446	1409	1372	1335	1298	1261	1224	1187	1150	1113	1076	1039	1002
2085	2085 MC	1922	1870	1833	1796	1759	1722	1685	1648	1611	1574	1537	1500	1463	1426	1389	1352								

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2040 GR																									
2041 BR			226	218	209	200	191	182	173	165	156	147	138	129	120	111	102	93	84	75	66	57	48	39	
2042 BR			241	232	223	214	205	196	187	178	169	160	151	142	133	124	115	106	97	88	79	70	61	52	
2043 BR			256	247	238	229	219	210	201	191	182	173	164	154	145	136	127	118	109	100	91	82	73	64	
2044 BR			272	263	253	244	234	225	215	206	196	187	177	168	158	149	140	131	122	113	104	95	86	77	
2045 BR			289	279	269	260	250	240	230	221	211	201	191	182	172	162	152	142	132	122	112	102	92	82	
2046 BR			306	296	286	276	266	256	246	236	226	216	206	196	186	176	166	156	146	136	126	116	106	96	
2047 BR			324	314	303	293	283	273	263	253	242	232	222	211	201	191	181	170	160	150	140	130	120	110	
2048 BR			343	332	322	311	301	290	280	269	259	248	238	227	217	206	196	185	175	165	155	145	135	125	
2049 BR			362	351	340	330	319	308	297	287	276	265	254	244	233	222	211	201	190	179	168	157	146	135	
2050 BR			382	371	360	349	338	327	316	305	294	283	272	261	250	239	228	217	206	195	184	173	162	151	
2051 BR			403	391	380	369	358	346	335	324	312	301	290	278	267	256	245	233	222	211	199	188	177	166	
2052 BR			424	413	401	390	378	367	355	343	332	320	309	297	285	274	262	251	239	228	216	204	193	182	
2053 BR			447	435	423	411	399	388	376	364	352	340	328	316	304	293	281	269	257	245	233	221	209	198	
2054 BR			470	458	446	434	422	409	397	385	373	361	349	336	324	312	300	288	276	264	251	239	227	215	
2055 BR			495	482	470	457	445	432	420	407	395	382	370	357	345	332	320	307	295	282	270	257	245	233	
2056 BR			531	507	494	481	469	456	443	430	417	405	392	379	366	353	341	328	315	302	290	277	264	251	
2057 BR			568	544	529	514	500	486	472	458	444	429	415	402	388	375	362	349	336	323	310	297	284	271	
2058 BR			604	579	563	547	531	515	500	484	468	452	436	421	405	390	375	360	345	330	315	300	285	270	
2059 BR			640	614	597	580	563	546	529	512	495	478	461	444	427	410	393	376	359	342	325	308	291	274	
2060 BR			676	649	631	613	595	577	559	541	523	505	487	469	451	433	415	397	379	361	343	325	307	289	
2061 BR			712	685	666	647	628	609	590	571	552	533	514	495	476	457	438	419	400	381	362	343	324	305	
2062 BR			748	721	702	683	664	645	626	607	588	569	550	531	512	493	474	455	436	417	398	379	360	341	
2063 BR			784	757	738	719	700	681	662	643	624	605	586	567	548	529	510	491	472	453	434	415	396	377	
2064 BR			820	793	774	755	736	717	698	679	660	641	622	603	584	565	546	527	508	489	470	451	432	413	
2065 BR			856	829	810	791	772	753	734	715	696	677	658	639	620	601	582	563	544	525	506	487	468	449	
2066 BR			892	865	846	827	808	789	770	751	732	713	694	675	656	637	618	599	580	561	542	523	504	485	
2067 BR			928	901	882	863	844	825	806	787	768	749	730	711	692	673	654	635	616	597	578	559	540	521	
2068 BR			964	937	918	899	880	861	842	823	804	785	766	747	728	709	690	671	652	633	614	595	576	557	
2069 BR			1,000	973	954	935	916	897	878	859	840	821	802	783	764	745	726	707	688	669	650	631	612	593	
2070 BR			1,036	1,009	990	971	952	933	914	895	876	857	838	819	800	781	762	743	724	705	686	667	648	629	
2071 BR			1,072	1,045	1,026	1,007	988	969	950	931	912	893	874	855	836	817	798	779	760	741	722	703	684	665	
2072 BR			1,108	1,081	1,062	1,043	1,024	1,005	986	967	948	929	910	891	872	853	834	815	796	777	758	739	720	701	
2073 BR			1,144	1,117	1,098	1,079	1,060	1,041	1,022	1,003	984	965	946	927	908	889	870	851	832	813	794	775	756	737	
2074 BR			1,180	1,153	1,134	1,115	1,096	1,077	1,058	1,039	1,020	1,001	982	963	944	925	906	887	868	849	830	811	792	773	
2075 BR			1,216	1,189	1,170	1,151	1,132	1,113	1,094	1,075	1,056	1,037	1,018	999	980	961	942	923	904	885	866	847	828	809	
2076 BR			1,252	1,225	1,206	1,187	1,168	1,149	1,130	1,111	1,092	1,073	1,054	1,035	1,016	997	978	959	940	921	902	883	864	845	
2077 BR			1,288	1,261	1,242	1,223	1,204	1,185	1,166	1,147	1,128	1,109	1,090	1,071	1,052	1,033	1,014	995	976	957	938	919	900	881	
2078 BR			1,324	1,297	1,278	1,259	1,240	1,221	1,202	1,183	1,164	1,145	1,126	1,107	1,088	1,069	1,050	1,031	1,012	993	974	955	936	917	
2079 BR			1,360	1,333	1,314	1,295	1,276	1,257	1,238	1,219	1,200	1,181	1,162	1,143	1,124	1,105	1,086	1,067	1,048	1,029	1,010	991	972	953	
2080 BR			1,396	1,369	1,350	1,331	1,312	1,293	1,274	1,255	1,236	1,217	1,198	1,179	1,160	1,141	1,122	1,103	1,084	1,065	1,046	1,027	1,008	989	
2081 BR			1,432	1,405	1,386	1,367	1,348	1,329	1,310	1,291	1,272	1,253	1,234	1,215	1,196	1,177	1,158	1,139	1,120	1,101	1,082	1,063	1,044	1,025	
2082 BR			1,468	1,441	1,422	1,403	1,384	1,365	1,346	1,327	1,308	1,289	1,270	1,251	1,232	1,213	1,194	1,175	1,156	1,137	1,118	1,099	1,080	1,061	
2083 BR			1,504	1,477	1,458	1,439	1,420	1,401	1,382	1,363	1,344	1,325	1,306	1,287	1,268	1,249	1,230	1,211	1,192	1,173	1,154	1,135	1,116	1,097	
2084 BR			1,540	1,513	1,494	1,475	1,456	1,437	1,418	1,399	1,380	1,361	1,342	1,323	1,304	1,285	1,266	1,247	1,228	1,209	1,190	1,171	1,152	1,133	
2085 BR			1,576	1,549	1,530	1,511	1,492	1,473	1,454	1,435	1,416	1,397	1,378	1,359	1,340	1,321	1,302	1,283	1,264	1,245	1,226	1,207	1,188	1,169	
2086 BR			1,612	1,585	1,566	1,547	1,528	1,509	1,490	1,471	1,452	1,433	1,414	1,395	1,376	1,357	1,338	1,319	1,300	1,281	1,262	1,243	1,224	1,205	
2087 BR			1,648	1,621	1,602	1,583	1,564	1,545	1,526	1,507	1,488	1,469	1,450	1,431	1,412	1,393	1,374	1,355	1,336	1,317	1,298	1,279	1,260	1,241	
2088 BR			1,684	1,657	1,638	1,619	1,600	1,581	1,562	1,543	1,524	1,505	1,486	1,467	1,448	1,429	1,410	1,391	1,372	1,353	1,334	1,315	1,296	1,277	
2089 BR			1,720	1,693	1,674	1,655	1,636	1,617	1,598	1,579	1,560	1,541	1,522	1,503	1,484	1,465	1,446	1,427	1,408	1,389	1,370	1,351	1,332	1,313	
2090 BR			1,756	1,729	1,710	1,691	1,672	1,653	1,634	1,615	1,596	1,577	1,558	1,539	1,520	1,501	1,482	1,463	1,444	1,425	1,406	1,387	1,368	1,349	
2091 BR			1,792	1,765	1,746	1,727	1,708	1,689	1,670	1,651	1,632	1,613	1,594	1,575	1,556	1,537	1,518	1,499	1,480	1,461	1,442	1,423	1,404	1,385	
2092 BR			1,828	1,801	1,782	1,763	1,744	1,725	1,706	1,687	1,668	1,649	1,630	1,611	1,592	1,573	1,554	1,535	1,516	1,497	1,478	1,459	1,440	1,421	
2093 BR			1,864	1,837	1,818	1,799	1,780	1,761	1,742	1,723	1,704	1,685	1,666	1,647	1,628	1,609	1,590	1,571	1,552	1,533	1,514	1,495	1,476	1,457	
2094 BR			1,900	1,873	1,854	1,835	1,816	1,797	1,778	1,759	1,740	1,721	1,702	1,683	1,664	1,645	1,626	1,607	1,588	1,569	1,550	1,531	1,512	1,493	
2095 BR			1,936	1,909	1,890	1,871	1,852	1,833	1,814	1,795	1,776	1,757	1,738	1,719	1,700	1,681	1,662	1,643	1,624	1,605	1,586	1,567	1,548	1,529	
2096 BR			1,972	1,945	1,926	1,907	1,888	1,869	1,850	1,831	1,812	1,793	1,774</												

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	94
	2039 TY			187		273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
	2040 TY					192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR	Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR	Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR	Landfill O&M Savings		4,256	4,384	4,515	4,651									
CR	Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR	Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR6	Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH	Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH	Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC	Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC	Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	609	632	615	597	580	569	546	528	511	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,551	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	355	0	0	0	980	1,582	1,494	1,433	1,399	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821	808
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837	820
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830	813
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828	811
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	303
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	415
MC	MC1	303	0	0	0	1,215	1,774	1,682	1,598	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	604
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	604
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,055	1,015	973	932	891	849	808	791
MC	MC4	477	0	0	0	1,913	2,732	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	966
TC	TCL	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	424
TC	TCL2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	615
TY	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	303
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	1,994
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,939	2,798	2,668	2,537	2,407	2,277	2,146	2,016	1,886	1,756	1,626	1,496
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	2,885
TCWATER			0	0	0	1,674	2,463	2,351	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	1,041
GRWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	3,207
GRWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,060	1,049	1,015	980	946	912	877	843	809	774	740	706
MC1COOL			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRL1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BRL2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER		2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0
CRWATER		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER		2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER		1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0	0
GRWATER		3,707	3,069	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0	0
GRWATER		706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLCOOL		1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

6.71%

Discount Rate:

New Unit Capital and Production Cost

Table with columns for Unit, Retirement Status, and Production Cost. Rows include 'No Retirements', 'Retire TY', and 'Retire TY GR CR and GH1'.

Production Cost

Table with columns for Unit, Retirement Status, and Production Cost. Rows include 'No Retirements', 'Retire TY', and 'Retire TY GR CR and GH1'.

Production Cost Delta

Table with columns for Unit, Retirement Status, and Production Cost Delta. Rows include 'No Retirements', 'Retire TY', and 'Retire TY GR CR and GH1'.

New Unit Capital

Table with columns for Unit, Retirement Status, and New Unit Capital. Rows include 'No Retirements', 'Retire TY', and 'Retire TY GR CR and GH1'.

Main data table with 26 columns representing years from 2000 to 2026. Each row corresponds to a unit and retirement status, showing values for each year.

RPS and Data Request - Case 1 Step Analysis (Step 3)

6.71%

Table with columns for years 2010-2033 and rows for various retirement plan components like 'Retiree TY GR3 CR and GH1', 'Retiree TY GR CR', etc.

New Unit/Cash/Debit

Table with columns for years 2010-2033 and rows for 'No Refirements' and 'New Controls/Contrib' components.

New Controls/Contrib

Table with columns for years 2010-2033 and rows for 'No Refirements' and 'New Controls/Contrib' components.

New Controls/Contrib/Debit

Table with columns for years 2010-2033 and rows for 'No Refirements' and 'New Controls/Contrib' components.

NPV/R	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retiree Y GR CR and MCL-2	2,650	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and TCI	2,648	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and GH4	2,710	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and MCL-1	2,650	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and GH2	2,695	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and MCL-2	2,525	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and MCL-2	2,720	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and MCL-2	2,393	214,901	219,007	210,243	214,448	158,445	156,534	159,644	162,337	165,934	169,416	172,804	176,260	179,786	183,381	186,945	190,490	194,026	197,552	201,069	204,567	208,047	211,511	214,960
Retiree Y GR CR and MCL-2	-5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-51	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-175	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-441	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-1320	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-410	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-147	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-211	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-205	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-203	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-202	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-442	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-458	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-328	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-332	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree Y GR CR and MCL-2	-328	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retiree Unit-Evald O&M Data
 No Refirements

New Control Fixed O&M
 No Refirements

Total Revenue Requirements
 No Refirements

*** KPSC 3rd Data Request - Case 1 Step Analysis (Step 3) ***

Discount Rate: 6.71%

	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Retire TY GR CR and CR	35,387,144.074	262,997,139.721	1,992,153,165.019	1,943,510,246.212	2,246,212,234.737	2,347,737,244.737	2,448,953,209.142	2,549,142,272.984	2,649,276,249.216	2,748,364,217.841	2,846,413,110.310	2,943,437,342.377	3,039,445,802.558	3,134,445,475.802	3,228,437,342.377	3,321,413,110.310	3,413,384,876.249	3,504,356,642.121	3,594,328,407.994	3,683,300,173.867	3,770,271,940.740	3,856,243,707.613	3,941,215,474.486	4,025,187,241.359	
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	35,387,144.074	256,491,181.738	1,668,107,193.596	2,264,203,229.841	2,293,841,297.945	2,323,483,376.089	2,353,125,457.233	2,382,767,538.377	2,412,411,619.521	2,442,059,700.665	2,471,711,781.809	2,501,369,862.953	2,531,031,944.097	2,560,700,025.241	2,590,369,106.385	2,620,039,187.529	2,649,719,268.673	2,679,409,349.817	2,709,109,430.961	2,738,819,512.105	2,768,539,593.249	2,798,269,674.393	2,828,009,755.537	2,857,749,836.681	
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total LRR Minus Emissions Excess Delta

No Retirements	175	489	-6,506	-10,415	10,087	-40,486	17,991	-50,855	-51,619	-28,512	-17,349	-45,135	-68,201	-13,184	-14,241	-9,276	-23,467	-75,975	-133,530	-36,481	-6,389	-4,751	-16,199	
Retire TY																								
Retire TY and GR3																								
Retire TY GR3 and BR3																								
Retire TY GR3 and CR4																								
Retire TY GR3 CR4 and CR6																								
Retire TY GR3 CR4 CR6 and BR1-2																								
Retire TY GR3 and CR																								
Retire TY GR3 CR and GH3																								
Retire TY GR3 CR and GH1																								
Retire TY GR and CR																								
Retire TY GR CR and MCA																								
Retire TY GR CR and TC1																								
Retire TY GR CR and GH4																								
Retire TY GR CR and MCA																								
Retire TY GR CR and GH2																								
Retire TY GR CR and MCI-2																								
Retire TY GR CR and BR1-2																								
Retire TY GR CR BR1-2 and MCI-2																								

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

New Unit Capital Land Production Cost

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	2,859,105	2,927,758	2,965,983	3,021,528	3,158,435	3,151,457	3,274,965																			
Retire TY and GR3	2,877,317	2,956,140	2,995,222	3,043,619	3,148,940	3,149,382	3,268,513																			
Retire TY and GR3 and BR3	2,861,329	2,928,819	2,965,716	3,012,250	3,135,951	3,158,489	3,273,787																			
Retire TY GR3 and GR4	2,983,446	3,057,523	3,097,942	3,152,019	3,279,505	3,309,317	3,402,653																			
Retire TY GR3 GR4 and GR6	2,953,179	3,026,211	3,054,204	3,098,976	3,208,124	3,203,774	3,333,121																			
Retire TY GR3 GR4 CR6 and BR1-2	3,007,626	3,080,814	3,125,881	3,172,123	3,285,663	3,326,929	3,443,559																			
Retire TY GR3 CR6 and CR	3,044,515	3,135,846	3,217,856	3,262,766	3,398,568	3,403,393	3,535,288																			
Retire TY GR3 and CR	3,068,934	3,201,983	3,237,928	3,292,537	3,394,513	3,401,937	3,522,659																			
Retire TY GR3 CR and GH1	3,288,727	3,336,033	3,405,790	3,461,068	3,594,653	3,594,695	3,729,130																			
Retire TY GR and CR	3,152,842	3,204,942	3,247,262	3,293,822	3,415,884	3,417,033	3,553,654																			
Retire TY GR CR and MC4	3,314,720	3,409,604	3,431,925	3,491,110	3,577,709	3,606,382	3,718,247																			
Retire TY GR CR and TCI	3,293,130	3,345,946	3,400,421	3,441,612	3,569,298	3,603,505	3,729,130																			
Retire TY GR CR and GH4	3,229,657	3,407,718	3,423,183	3,495,892	3,597,268	3,613,003	3,751,561																			
Retire TY GR CR and MC3	3,275,781	3,317,778	3,383,827	3,430,538	3,552,455	3,589,711	3,711,780																			
Retire TY GR CR and GH2	3,334,761	3,415,938	3,454,266	3,494,993	3,599,498	3,632,477	3,716,252																			
Retire TY GR CR and MC4-2	3,208,788	3,288,643	3,472,907	3,537,868	3,667,163	3,674,672	3,804,973																			
Retire TY GR CR and MC1-2	3,666,734	3,860,451	3,947,151	4,062,433	4,240,952	4,251,837	4,538,654																			
Retire TY GR CR BR1-2 and MC1-2	3,408,954	3,491,711	3,557,334	3,647,684	3,754,273	3,795,899	3,909,999																			

Production Cost

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	2,507,357	2,553,233	2,594,564	2,657,779	2,780,214	2,785,274	2,917,787																			
Retire TY and GR3	2,484,026	2,578,053	2,594,820	2,647,565	2,770,241	2,786,367	2,919,249																			
Retire TY and GR3 and BR3	2,460,950	2,545,153	2,597,295	2,658,590	2,787,907	2,804,647	2,930,742																			
Retire TY GR3 and GR4	2,574,992	2,664,804	2,720,210	2,788,825	2,922,105	2,945,486	3,040,821																			
Retire TY GR3 CR4 and GR6	2,598,172	2,688,095	2,748,149	2,808,929	2,937,865	2,963,098	3,081,727																			
Retire TY GR3 CR4 CR6 and BR1-2	2,679,381	2,776,518	2,833,509	2,892,146	3,019,356	3,025,949	3,156,979																			
Retire TY GR3 CR6 and CR	2,686,110	2,785,925	2,842,614	2,897,597	3,019,304	3,043,213	3,206,470																			
Retire TY GR3 CR and GH1	2,819,850	2,912,881	2,977,917	3,032,192	3,160,675	3,168,912	3,313,950																			
Retire TY GR and CR	3,197,719	3,345,604	3,477,917	3,592,182	3,716,262	3,859,459	4,073,950																			
Retire TY GR CR and MC4	2,832,699	2,950,687	2,971,798	3,041,960	3,131,116	3,165,912	3,313,703																			
Retire TY GR CR and TCI	2,890,655	2,913,048	2,973,114	3,031,702	3,165,490	3,184,651	3,333,514																			
Retire TY GR CR and GH4	2,847,636	2,928,801	2,965,056	3,052,702	3,160,675	3,202,353	3,337,417																			
Retire TY GR CR and MC3	2,863,306	2,884,880	2,956,520	3,020,198	3,148,647	3,180,917	3,305,600																			
Retire TY GR CR and GH2	2,857,740	2,937,021	2,994,139	3,051,863	3,172,905	3,202,007	3,321,706																			
Retire TY GR CR and MC1-2	2,895,268	2,992,716	3,062,508	3,121,743	3,242,593	3,254,097	3,396,840																			
Retire TY GR CR BR1-2 and MC1-2	3,283,500	3,443,232	3,509,579	3,620,152	3,816,336	3,923,734	4,113,831																			
Retire TY GR CR BR1-2 and MC1-2	2,977,729	3,076,094	3,148,632	3,235,022	3,336,555	3,370,436	3,487,929																			

Production Cost Delta

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	-23,331	24,820	256	-10,214	-19,973	993	1,463																			
Retire TY and GR3	-23,965	-97,800	2,475	11,024	17,665	18,379	1,492																			
Retire TY GR3 and BR3	113,662	118,653	122,915	130,235	134,188	140,840	120,079																			
Retire TY GR3 CR4 and GR6	63,230	53,804	48,708	48,693	44,074	38,121	66,314																			
Retire TY GR3 CR4 CR6 and BR1-2	79,321	89,139	102,646	101,647	95,882	120,331	94,672																			
Retire TY GR3 CR6 and CR	86,938	95,929	49,465	48,668	39,493	62,751	85,252																			
Retire TY GR3 CR and GH1	134,740	128,756	176,324	180,707	175,859	204,302	180,745																			
Retire TY GR3 CR and MC4	512,610	561,690	680,303	734,596	808,927	857,291	924,838																			
Retire TY GR CR and TCI	-317,064	-432,566	-504,803	-560,920	-610,792	-664,808	-749,647																			
Retire TY GR CR and MC3	-334,413	-514,613	-514,661	-539,490	-615,607	-656,926	-735,953																			
Retire TY GR CR and GH2	-344,979	-408,593	-483,778	-540,329	-603,377	-657,452	-751,642																			
Retire TY GR CR and MC1-2	-302,451	-352,898	-415,409	-470,449	-533,689	-605,362	-676,511																			
Retire TY GR CR BR1-2 and MC1-2	85,781	97,618	113,662	120,331	127,130	134,188	140,840																			
Retire TY GR CR BR1-2 and MC1-2	-305,771	-367,138	-432,566	-494,920	-558,130	-623,781	-692,592																			

New Unit Cash

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	351,748	374,525	371,419	364,149	368,221	366,183	357,179																			
Retire TY and GR3	343,291	378,087	400,402	396,054	378,669	363,115	349,264																			
Retire TY GR3 and BR3	409,494	383,666	368,421	353,661	348,044	353,853	353,045																			
Retire TY GR3 CR4 and GR6	428,929	392,719	377,732	363,184	357,800	363,881	361,832																			
Retire TY GR3 CR4 CR6 and BR1-2	409,454	42																								

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
Retire TY GR3 CR and GH1	412,475	432,898	427,307	418,867	423,081	419,805	408,184																			
Retire TY GR and CR	365,124	359,336	362,348	370,620	379,613	377,544	369,309																			
Retire TY GR CR and MC4	482,021	478,917	460,127	448,130	426,593	410,470	394,544																			
Retire TY GR CR and TC1	412,375	432,898	427,307	410,340	403,808	408,854	406,180																			
Retire TY GR CR and M4	482,021	478,917	460,127	448,130	426,593	410,470	394,544																			
Retire TY GR CR and GH3	412,475	432,898	427,307	410,340	403,808	408,854	406,180																			
Retire TY GR CR and GH2	482,021	478,917	460,127	448,130	426,593	410,470	394,544																			
Retire TY GR CR and MCL-2	412,570	405,977	410,400	416,125	424,570	420,575	408,933																			
Retire TY GR CR and MCL-1	363,154	355,933	357,933	362,281	373,705	373,633	363,833																			
Retire TY GR CR BR1-2 and MCL-2	431,235	415,617	408,702	412,662	417,718	425,585	422,070																			

New Unit Controls Delta

No Retirements

Retire TY	-8,457	3,562	28,984	31,905	10,478	-3,068	-7,915																			
Retire TY and GR3	57,108	5,579	-31,981	-42,393	-30,654	-9,262	3,782																			
Retire TY GR3 and BR3	9,056	9,031	9,311	9,534	9,756	9,978	8,787																			
Retire TY GR3 and GR4	28,130	43,889	40,280	38,034	28,099	7,154	-6,980																			
Retire TY GR3 CR4 and CR6	-19,474	-34,536	-30,569	-28,500	-18,343	2,825	15,766																			
Retire TY GR3 CR4 CR6 and BR1-2	-44,330	-33,391	-13,384	7,426	21,812	18,713	6,477																			
Retire TY GR3 CR and CR3	66,307	25,240	61,983	71,746	59,358	35,939	22,315																			
Retire TY GR3 CR and GH1	28,651	14,939	-12,407	-16,074	5,922	20,036	-24,038																			
Retire TY GR and CR	-18,701	-58,631	-75,367	-64,321	-37,546	-22,225	-15,838																			
Retire TY GR and MC4	116,897	119,889	95,780	72,510	46,981	39,976	26,235																			
Retire TY GR CR and TC1	47,351	73,570	62,860	39,720	24,156	31,310	37,871																			
Retire TY GR CR and GH4	116,897	119,889	95,780	72,510	46,981	39,976	26,235																			
Retire TY GR CR and MC3	116,897	119,889	95,780	72,510	46,981	39,976	26,235																			
Retire TY GR CR and GH2	48,356	-46,599	46,052	45,505	44,958	43,931	39,725																			
Retire TY GR CR and MCL-2	18,130	57,595	73,586	61,661	44,084	50,559	56,515																			
Retire TY GR CR and BR1-2	47,881	-1,306	-29,231	-19,639	-5,988	-2,540	-7,753																			

New Controls Delta

No Retirements

Retire TY	177,225	170,242	153,154	141,779	133,129	113,695	98,058	75,850	60,894	57,872	51,891	49,574	46,182	41,901	37,101	31,101	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY and GR3	172,743	165,913	148,978	137,566	129,258	109,977	94,492	72,437	57,623	54,764	48,996	46,772	44,869	40,655	35,922	33,056	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR3 and BR3	168,762	161,584	144,802	133,732	125,387	106,259	90,927	69,025	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR3 and GR4	168,262	161,384	144,802	133,732	125,387	106,259	90,927	69,025	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR3 CR4 and CR6	166,262	161,584	144,802	133,732	125,387	106,259	90,927	69,025	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR3 CR and BR1-2	155,833	149,576	133,216	125,387	114,645	95,938	81,028	66,025	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR3 CR and GH3	156,813	150,459	134,001	123,254	115,233	96,228	81,420	68,941	45,503	43,120	37,788	36,081	35,990	32,467	27,824	25,350	24,973	21,875	14,998	14,861	13,938	13,088	12,267	11,358	7,724
Retire TY GR3 CR and GH1	159,678	153,391	137,000	126,321	118,367	99,629	83,235	69,024	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR and CR	162,045	155,659	139,169	128,391	121,863	103,664	88,661	68,888	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR and MC4	140,965	135,517	119,965	110,125	105,655	87,673	74,531	65,874	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR and TC1	155,052	148,940	132,724	122,220	116,966	98,241	83,312	61,813	46,242	43,653	38,496	36,708	36,708	32,879	28,532	26,052	26,001	22,953	15,036	14,973	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR and GH4	151,376	145,308	129,137	118,677	113,468	94,787	79,503	58,448	46,242	43,653	38,496	36,708	36,708	32,879	28,532	26,052	26,001	22,953	15,036	14,973	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR and MC3	149,404	143,569	127,650	117,402	112,425	94,377	80,114	61,983	33,000	31,656	25,891	24,516	24,739	21,228	17,199	15,036	14,973	12,154	5,232	5,232	214	0	0	0	0
Retire TY GR CR and GH2	135,590	129,841	113,987	103,946	98,954	80,591	66,025	44,889	33,000	31,656	25,891	24,516	24,739	21,228	17,199	15,036	14,973	12,154	5,232	5,232	214	0	0	0	0
Retire TY GR CR and MCL-2	112,523	108,619	104,715	100,811	97,786	92,003	83,441	61,966	54,365	51,656	45,980	43,555	43,555	39,408	34,742	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR and BR1-2	149,616	143,652	127,653	117,927	112,121	93,943	78,762	57,411	45,308	43,023	37,768	36,179	36,187	34,772	33,356	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retire TY GR CR BR1-2 and MCL-2	100,094	96,612	89,123	85,647	86,044	82,882	73,942	52,489	45,308	43,023	37,768	36,179	36,187	34,772	33,356	31,944	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724

New Controls Delta

No Retirements

Retire TY	-4,481	-4,329	-4,176	-4,023	-3,871	-3,718	-3,566	-3,413	-3,260	-3,108	-2,955	-2,803	-2,651	-2,500	-2,349	-2,198	-2,047	-1,896	-1,745	-1,594	-1,443	-1,292	-1,141	-990	0	
Retire TY and GR3	-4,481	-4,329	-4,176	-4,023	-3,871	-3,718	-3,566	-3,413	-3,260	-3,108	-2,955	-2,803	-2,651	-2,500	-2,349	-2,198	-2,047	-1,896	-1,745	-1,594	-1,443	-1,292	-1,141	-990	0	
Retire TY GR3 and BR3	-6,703	-6,501	-6,299	-6,097	-5,895	-5,693	-5,491	-5,289	-5,087	-4,885	-4,683	-4,481	-4,279	-4,077	-3,875	-3,673	-3,471	-3,269	-3,067	-2,865	-2,663	-2,461	-2,259	-2,057	-1,855	0

Discount Rate:

	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
Retire TY GR CR and MCL1	219.158	223.541	228.042	232.572	237.223	241.968	246.538	251.000	255.580	260.160	264.740	269.320	273.900	278.480	283.060	287.640	292.220	296.800	301.380	305.960	310.540	315.120	319.700	324.280	328.860	333.440	338.020	342.600	347.180	351.760	356.340	360.920	365.500	370.080	374.660	379.240	383.820	388.400	392.980	397.560	402.140	406.720	411.300	415.880	420.460	425.040	429.620	434.200	438.780	443.360	447.940	452.520	457.100	461.680	466.260	470.840	475.420	480.000	484.580	489.160	493.740	498.320	502.900	507.480	512.060	516.640	521.220	525.800	530.380	534.960	539.540	544.120	548.700	553.280	557.860	562.440	567.020	571.600	576.180	580.760	585.340	589.920	594.500	599.080	603.660	608.240	612.820	617.400	621.980	626.560	631.140	635.720	640.300	644.880	649.460	654.040	658.620	663.200	667.780	672.360	676.940	681.520	686.100	690.680	695.260	699.840	704.420	709.000	713.580	718.160	722.740	727.320	731.900	736.480	741.060	745.640	750.220	754.800	759.380	763.960	768.540	773.120	777.700	782.280	786.860	791.440	796.020	800.600	805.180	809.760	814.340	818.920	823.500	828.080	832.660	837.240	841.820	846.400	850.980	855.560	860.140	864.720	869.300	873.880	878.460	883.040	887.620	892.200	896.780	901.360	905.940	910.520	915.100	919.680	924.260	928.840	933.420	938.000	942.580	947.160	951.740	956.320	960.900	965.480	970.060	974.640	979.220	983.800	988.380	992.960	997.540	1002.120	1006.700	1011.280	1015.860	1020.440	1025.020	1029.600	1034.180	1038.760	1043.340	1047.920	1052.500	1057.080	1061.660	1066.240	1070.820	1075.400	1080.000	1084.580	1089.160	1093.740	1098.320	1102.900	1107.480	1112.060	1116.640	1121.220	1125.800	1130.380	1134.960	1139.540	1144.120	1148.700	1153.280	1157.860	1162.440	1167.020	1171.600	1176.180	1180.760	1185.340	1189.920	1194.500	1199.080	1203.660	1208.240	1212.820	1217.400	1221.980	1226.560	1231.140	1235.720	1240.300	1244.880	1249.460	1254.040	1258.620	1263.200	1267.780	1272.360	1276.940	1281.520	1286.100	1290.680	1295.260	1299.840	1304.420	1309.000	1313.580	1318.160	1322.740	1327.320	1331.900	1336.480	1341.060	1345.640	1350.220	1354.800	1359.380	1363.960	1368.540	1373.120	1377.700	1382.280	1386.860	1391.440	1396.020	1400.600	1405.180	1409.760	1414.340	1418.920	1423.500	1428.080	1432.660	1437.240	1441.820	1446.400	1450.980	1455.560	1460.140	1464.720	1469.300	1473.880	1478.460	1483.040	1487.620	1492.200	1496.780	1501.360	1505.940	1510.520	1515.100	1519.680	1524.260	1528.840	1533.420	1538.000	1542.580	1547.160	1551.740	1556.320	1560.900	1565.480	1570.060	1574.640	1579.220	1583.800	1588.380	1592.960	1597.540	1602.120	1606.700	1611.280	1615.860	1620.440	1625.020	1629.600	1634.180	1638.760	1643.340	1647.920	1652.500	1657.080	1661.660	1666.240	1670.820	1675.400	1680.000	1684.580	1689.160	1693.740	1698.320	1702.900	1707.480	1712.060	1716.640	1721.220	1725.800	1730.380	1734.960	1739.540	1744.120	1748.700	1753.280	1757.860	1762.440	1767.020	1771.600	1776.180	1780.760	1785.340	1789.920	1794.500	1799.080	1803.660	1808.240	1812.820	1817.400	1821.980	1826.560	1831.140	1835.720	1840.300	1844.880	1849.460	1854.040	1858.620	1863.200	1867.780	1872.360	1876.940	1881.520	1886.100	1890.680	1895.260	1899.840	1904.420	1909.000	1913.580	1918.160	1922.740	1927.320	1931.900	1936.480	1941.060	1945.640	1950.220	1954.800	1959.380	1963.960	1968.540	1973.120	1977.700	1982.280	1986.860	1991.440	1996.020	2000.600	2005.180	2009.760	2014.340	2018.920	2023.500	2028.080	2032.660	2037.240	2041.820	2046.400	2050.980	2055.560	2060.140	2064.720	2069.300	2073.880	2078.460	2083.040	2087.620	2092.200	2096.780	2101.360	2105.940	2110.520	2115.100	2119.680	2124.260	2128.840	2133.420	2138.000	2142.580	2147.160	2151.740	2156.320	2160.900	2165.480	2170.060	2174.640	2179.220	2183.800	2188.380	2192.960	2197.540	2202.120	2206.700	2211.280	2215.860	2220.440	2225.020	2229.600	2234.180	2238.760	2243.340	2247.920	2252.500	2257.080	2261.660	2266.240	2270.820	2275.400	2280.000	2284.580	2289.160	2293.740	2298.320	2302.900	2307.480	2312.060	2316.640	2321.220	2325.800	2330.380	2334.960	2339.540	2344.120	2348.700	2353.280	2357.860	2362.440	2367.020	2371.600	2376.180	2380.760	2385.340	2389.920	2394.500	2399.080	2403.660	2408.240	2412.820	2417.400	2421.980	2426.560	2431.140	2435.720	2440.300	2444.880	2449.460	2454.040	2458.620	2463.200	2467.780	2472.360	2476.940	2481.520	2486.100	2490.680	2495.260	2499.840	2504.420	2509.000	2513.580	2518.160	2522.740	2527.320	2531.900	2536.480	2541.060	2545.640	2550.220	2554.800	2559.380	2563.960	2568.540	2573.120	2577.700	2582.280	2586.860	2591.440	2596.020	2600.600	2605.180	2609.760	2614.340	2618.920	2623.500	2628.080	2632.660	2637.240	2641.820	2646.400	2650.980	2655.560	2660.140	2664.720	2669.300	2673.880	2678.460	2683.040	2687.620	2692.200	2696.780	2701.360	2705.940	2710.520	2715.100	2719.680	2724.260	2728.840	2733.420	2738.000	2742.580	2747.160	2751.740	2756.320	2760.900	2765.480	2770.060	2774.640	2779.220	2783.800	2788.380	2792.960	2797.540	2802.120	2806.700	2811.280	2815.860	2820.440	2825.020	2829.600	2834.180	2838.760	2843.340	2847.920	2852.500	2857.080	2861.660	2866.240	2870.820	2875.400	2880.000	2884.580	2889.160	2893.740	2898.320	2902.900	2907.480	2912.060	2916.640	2921.220	2925.800	2930.380	2934.960	2939.540	2944.120	2948.700	2953.280	2957.860	2962.440	2967.020	2971.600	2976.180	2980.760	2985.340	2989.920	2994.500	2999.080	3003.660	3008.240	3012.820	3017.400	3021.980	3026.560	3031.140	3035.720	3040.300	3044.880	3049.460	3054.040	3058.620	3063.200	3067.780	3072.360	3076.940	3081.520	3086.100	3090.680	3095.260	3099.840	3104.420	3109.000	3113.580	3118.160	3122.740	3127.320	3131.900	3136.480	3141.060	3145.640	3150.220	3154.800	3159.380	3163.960	3168.540	3173.120	3177.700	3182.280	3186.860	3191.440	3196.020	3200.600	3205.180	3209.760	3214.340	3218.920	3223.500	3228.080	3232.660	3237.240	3241.820	3246.400	3250.980	3255.560	3260.140	3264.720	3269.300	3273.880	3278.460	3283.040	3287.620	3292.200	3296.780	3301.360	3305.940	3310.520	3315.100	3319.680	3324.260	3328.840	3333.420	3338.000	3342.580	3347.160	3351.740	3356.320	3360.900	3365.480	3370.060	3374.640	3379.220	3383.800	3388.380	3392.960	3397.540	3402.120	3406.700	3411.280	3415.860	3420.440	3425.020	3429.600	3434.180	3438.760	3443.340	3447.920	3452.500	3457.080	3461.660	3466.240	3470.820	3475.400	3480.000	3484.580	3489.160	3493.740	3498.320	3502.900	3507.480	3512.060	3516.640	3521.220	3525.800	3530.380	3534.960	3539.540	3544.120	3548.700	3553.280	3557.860	3562.440

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
Retire TY GR CR and TC1																										
Retire TY GR CR and GH4																										
Retire TY GR CR and MC3																										
Retire TY GR CR and GH2																										
Retire TY GR CR and MCL-2																										
Retire TY GR CR and BR1-2																										
Retire TY GR CR BR1-2 and MCL-2	21,407	20,846	21,500	21,470	21,346	21,589	21,079																			

System Annual NOx Emissions Expense

No Retirements																										
Retire TY																										
Retire TY and GR3																										
Retire TY GR3 and BR3																										
Retire TY GR3 and CR4																										
Retire TY GR3 CR4 and CR6																										
Retire TY GR3 CR4 CR6 and BR1-2																										
Retire TY GR3 and CR																										
Retire TY GR3 CR and GH3																										
Retire TY GR3 CR and GH1																										
Retire TY GR and CR																										
Retire TY GR and MC4																										
Retire TY GR CR and TC1																										
Retire TY GR CR and GH4																										
Retire TY GR CR and MC3																										
Retire TY GR CR and GH2																										
Retire TY GR CR and MCL-2																										
Retire TY GR CR and BR1-2																										
Retire TY GR CR BR1-2 and MCL-2																										

System Ozone NOx Emissions Expense

No Retirements																										
Retire TY																										
Retire TY and GR3																										
Retire TY GR3 and BR3																										
Retire TY GR3 and CR4																										
Retire TY GR3 CR4 CR6 and BR1-2																										
Retire TY GR3 and CR																										
Retire TY GR3 CR and GH3																										
Retire TY GR3 CR and GH1																										
Retire TY GR and CR																										
Retire TY GR CR and MC4																										
Retire TY GR CR and TC1																										
Retire TY GR CR and GH4																										
Retire TY GR CR and MC3																										
Retire TY GR CR and GH2																										
Retire TY GR CR and MCL-2																										
Retire TY GR CR and BR1-2																										
Retire TY GR CR BR1-2 and MCL-2																										

System Total Emissions Expense

No Retirements																										
Retire TY																										
Retire TY and GR3																										
Retire TY GR3 and BR3																										
Retire TY GR3 and CR4																										
Retire TY GR3 CR4 and CR6																										
Retire TY GR3 CR4 CR6 and BR1-2																										
Retire TY GR3 and CR																										
Retire TY GR3 CR and GH3																										
Retire TY GR3 CR and GH1																										
Retire TY GR and CR																										
Retire TY GR CR and MC4																										
Retire TY GR CR and TC1																										
Retire TY GR CR and GH4																										
Retire TY GR CR and MC3																										
Retire TY GR CR and GH2																										
Retire TY GR CR and MCL-2																										
Retire TY GR CR and BR1-2																										
Retire TY GR CR BR1-2 and MCL-2																										

Total BR Minus Emissions Expense

No Retirements																										
Retire TY																										

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

4,210,508 4,359,786 4,491,517 4,612,711 4,732,223 4,801,130 4,977,991

4,280,258 4,481,104 4,563,659 4,679,935 4,783,087 4,882,485 5,061,501

Total RR Minus Emissions Expense Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR and CR6
- Retire TY GR3 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

69,849 121,318 71,141 66,195 50,865 81,355 63,711

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

	2052	2050	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY GR3 CR and GH1																				
Retire TY CR and CR																				
Retire TY CR and MC4																				
Retire TY GR CR and TCI																				
Retire TY GR CR and GH4																				
Retire TY CR and MCI3																				
Retire TY GR CR and GH2																				
Retire TY CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				
New Unit Capital Delta																				
No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCI																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MCI3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCI-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MCI-2																				
New Controls Capital																				
No Retirements	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
New Controls Capital Delta																				
No Retirements																				
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTE Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

MTE Capital Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Landfill Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCI-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCI-2

Landfill Capital Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

Existing Unb-Bixed O&M Data

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

New Controls Fixed O&M Data

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

Total Revenue Requirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

System Annual NOx Emissions Excess

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

System Oxzone NOx Emissions Excess

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

System Total Emissions Excess

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Total BR Minus Emissions Excess

No Retirements
Retire TY

Discount Rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TC1																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Total BR Minus Emissions Expense Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1FF 0	5,183	4,991	4,800	4,417	4,225	4,033	3,842	3,650	3,458	3,267	3,127	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR1SAM 0	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BR2FF 0	5,535	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	1,180	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR2SAM 0	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR3FF 0	6,095	5,883	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	1,405	0	0	0	0	0	0	0	0
GH	GH1FF 0	6,973	6,321	5,969	2,424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1SAM 0	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,469	253	
GH	GH2FF 0	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	0	0	0	0
GH	GH2SAM 0	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,255	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,470	7,071
GH	GH3FF 0	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,914	4,617	4,320	4,023	3,726	3,429	3,132
GH	GH3SAM 0	8,900	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,705	5,415	5,125	4,835	4,545	4,255	3,965	3,675	3,385	3,095	2,805	2,515
GH	GH4FF 0	814	786	758	730	701	673	645	617	589	561	532	504	476	448	420	392	364	336	308	280	252	224	196
MC	MC1FF 0	8,313	7,850	7,387	6,924	6,461	6,000	5,537	5,075	4,612	4,150	3,687	3,225	2,762	2,300	1,837	1,375	812	350	0	0	0	0	0
MC	MC1SAM 0	6,754	6,377	2,590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2FF 0	431	407	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2SAM 0	6,114	5,816	5,518	5,220	4,922	4,624	4,326	4,028	3,730	3,432	3,134	2,836	2,538	2,240	1,942	1,644	1,346	1,048	750	452	154	0	
MC	MC3FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4FF 0	5,967	5,626	5,285	4,944	4,603	4,262	3,921	3,580	3,239	2,898	2,557	2,216	1,875	1,534	1,193	852	511	170	0	0	0	0	0
MC	MC4SAM 0	3,388	3,234	3,040	2,853	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC5FF 0	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC5SAM 0	6,834	6,499	6,165	5,830	4,673	341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC6FF 0	691	652	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC6SAM 0	10,183	9,661	9,139	7,976	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC7FF 0	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC7SAM 0	7,069	6,707	6,344	5,937	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC8FF 0	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC8SAM 0	6,171	5,897	5,623	5,349	5,075	4,801	4,185	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR4SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR7FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR7SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR8FF 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR8SAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3FF 0	2,060	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR3SAM 0	57	55	52	50	48	45	43	41	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4FF 0	1,916	1,849	1,782	1,715	1,648	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	0	0	0	0	0	0	0	0	0	0
GR	GR4SAM 0	2,815	2,700	2,585	2,470	2,355	2,240	2,125	2,010	1,895	1,780	1,665	1,550	1,435	1,320	1,205	1,090	975	860	745	630	515	400	285
GR	GR5FF 0	2,653	2,524	2,395	2,265	2,136	2,006	1,877	1,747	1,618	1,488	1,358	1,228	1,098	968	838	708	578	448	318	188	58	0	0
GR	GR5SAM 0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate																		
Unit Costs (\$000)																		
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	
BR	BR2	6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	
CR	CR6	10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541	

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate:	2%	Year	Year	Year												
				2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR		BR	BR	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR1		BR1	BR1	790,212	806,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,530	1,002,180
BR		BR	BR	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR1		BR1	BR1	0	0	0	0	0	0	0	0	0	0	0	0	0
BR2		BR2	BR2	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101
BR		BR	BR	177,655	181,208	184,832	188,529	192,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309
BR2		BR2	BR2	0	0	0	0	0	0	0	0	0	0	0	0	0
BR3		BR3	BR3	1,381,002	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445
BR		BR	BR	1,706,194	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,981	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867
GH		GH	GH	0	0	0	0	0	0	0	0	0	0	0	0	0
GH1		GH1	GH1	0	0	0	0	0	0	0	0	0	0	0	0	0
GH2		GH2	GH2	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500
GH		GH	GH	132,837	136,204	140,968	145,787	146,663	149,596	152,588	155,640	158,753	161,928	165,166	168,470	
GH2		GH2	GH2	8,946,534	9,125,465	9,307,974	9,494,134	9,684,017	9,877,697	10,076,756	10,276,521	10,482,291	10,691,937	10,905,776	11,123,891	11,346,369
GH		GH	GH	1,687,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,939,871	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781
GH3		GH3	GH3	0	0	0	0	0	0	0	0	0	0	0	0	0
GH		GH	GH	0	0	0	0	0	0	0	0	0	0	0	0	0
GH3		GH3	GH3	1,634,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299
GH4		GH4	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
GH		GH	GH	0	0	0	0	0	0	0	0	0	0	0	0	0
GH4		GH4	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
GH		GH	GH	0	0	0	0	0	0	0	0	0	0	0	0	0
GH4		GH4	GH4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC		MC	MC	-136,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994
MC1		MC1	MC1	1,870,843	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,881	2,280,547	2,326,158	2,372,681
MC		MC	MC	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC1		MC1	MC1	3,877,689	3,955,242	4,034,347	4,115,034	4,197,335	4,281,282	4,366,907	4,454,245	4,543,330	4,634,197	4,726,881	4,821,418	4,917,847
MC		MC	MC	351,957	358,996	366,176	374,499	382,969	391,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366
MC2		MC2	MC2	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,022	2,108,362	2,150,529	2,193,540	2,237,411	2,282,159	2,327,802
MC		MC	MC	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC2		MC2	MC2	3,889,115	3,966,897	4,046,235	4,127,159	4,209,703	4,293,897	4,379,775	4,467,370	4,556,718	4,647,852	4,740,809	4,835,625	4,932,338
MC		MC	MC	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3		MC3	MC3	1,673,288	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,729	2,039,729	2,080,524	2,122,134
MC		MC	MC	48,588	49,560	50,551	51,562	52,594	53,645	54,718	55,813	56,929	58,068	59,229	60,414	61,622
MC3		MC3	MC3	0	0	0	0	0	0	0	0	0	0	0	0	0
MC		MC	MC	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4		MC4	MC4	0	0	0	0	0	0	0	0	0	0	0	0	0
MC		MC	MC	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958
MC4		MC4	MC4	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155
MC		MC	MC	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4		MC4	MC4	1,277,465	1,303,015	1,329,075	1,355,656	1,382,269	1,410,425	1,438,693	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135
TC		TC	TC	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058
CR		CR	CR	1,701,041	1,735,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332
CR4		CR4	CR4	246,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177
CR		CR	CR	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120
CR4		CR4	CR4	2,846,495	2,903,425	2,961,493	3,020,723	3,081,137	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044
CR5		CR5	CR5	0	0	0	0	0	0	0	0	0	0	0	0	0
CR		CR	CR	1,786,736	1,822,471	1,858,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013
CR5		CR5	CR5	252,800	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611
CR		CR	CR	245,658	250,572	255,583	260,695	265,909	271,227	276,651	282,184	287,928	293,884	299,956	305,445	311,554
CR5		CR5	CR5	3,416,965	3,484,692	3,554,386	3,625,474	3,697,983	3,771,943	3,847,382	3,924,330	4,002,816	4,082,872	4,164,530	4,247,820	4,332,777
CR6		CR6	CR6	0	0	0	0	0	0	0	0	0	0	0	0	0
CR		CR	CR	2,330,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142
CR6		CR6	CR6	282,793	288,449	294,218	300,104	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650
CR		CR	CR	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970
GR		GR	GR	1,346,836	1,373,773	1,401,248	1,429,273	1,457,859	1,487,016	1,516,756	1,547,091	1,578,033	1,609,594	1,641,786	1,674,622	1,708,114
GR3		GR3	GR3	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,095	5,670,277	5,783,682	5,899,356	6,017,343
GR		GR	GR	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402
GR3		GR3	GR3	1,833,868	1,870,546	1,946,116	1,985,038	2,024,739	2,065,236	2,106,538	2,148,669	2,191,642	2,235,475	2,280,185	2,325,788	
GR4		GR4	GR4	6,154,313	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,736	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157
GR		GR	GR	214,237	218,522	222,892	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
2030 MC																														
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2040 MC																														
2041 TC			281	368	350	333	318	304	291	278	264	251	238	225	211	203	198	193	189	184	179	175	170	165	161	156	152	147		
2042 TC			288	288	295	303	310	318	326	334	342	351	360	369	378	387	397	407	417	428	438	449	461	472	484	496	508	521		
2043 TC																														
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2068 TC																														
2069 TC																														
2070 TC																														
2071 GH			2,061	2,756	2,617	2,492	2,377	2,272	2,171	2,070	1,970	1,869	1,768	1,667	1,567	1,468	1,422	1,384	1,346	1,309	1,271	1,233	1,195	1,158	1,120	1,082	1,044			
2072 GH				2,113	2,825	2,683	2,554	2,436	2,328	2,225	2,122	2,019	1,916	1,812	1,709	1,606	1,496	1,458	1,419	1,381	1,343	1,305	1,267	1,229	1,191	1,153	1,115	1,077		
2073 GH				2,165	2,885	2,741	2,612	2,494	2,391	2,288	2,185	2,082	1,979	1,876	1,773	1,670	1,567	1,529	1,490	1,451	1,412	1,373	1,334	1,295	1,256	1,217	1,178	1,139		
2074 GH																														
2075 GH																														
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2089 GH																														

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
2040 GH																														
2011 BR		468	595	629	645	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235		
2012 BR			480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	480	
2013 BR																														
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2011 GR		94	134	137	137	120	114	108	103	98	92	87	81	76	72	70	68	65	63	61	58	56	54	52	49	47	45	42		
2012 GR			96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
2013 GR																														
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2040 GR																														
2011 TY		94	137	140	143	122	116	111	105	99	94	88	83	77	73	71	68	66	63	61	58	56	55	51	48	46	43	41		
2012 TY			96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	96	
2013 TY																														
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2020 TY																														

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029	MC	2029 MC	2,389	2,256	2,123	1,990	1,857	1,760	1,698	1,636	1,575	1,513	1,451	1,390	1,328	1,266	1,205	1,143	1,081	1,020	0	0	0	0	0
2030	MC	2030 MC	2,586	2,449	2,313	2,176	2,040	1,904	1,804	1,741	1,677	1,614	1,551	1,488	1,424	1,361	1,298	1,235	1,171	1,108	1,045	0	0	0	0
2031	MC	2031 MC	2,790	2,650	2,510	2,371	2,231	2,091	1,951	1,849	1,784	1,719	1,655	1,590	1,525	1,460	1,395	1,330	1,266	1,201	1,136	0	0	0	0
2032	MC	2032 MC	3,003	2,860	2,716	2,579	2,430	2,287	2,143	2,000	1,895	1,829	1,762	1,696	1,629	1,563	1,497	1,430	1,364	1,297	1,231	1,164	1,098	0	0
2033	MC	2033 MC	3,231	3,078	2,931	2,784	2,637	2,491	2,344	2,197	2,050	1,943	1,874	1,806	1,738	1,670	1,602	1,534	1,466	1,398	1,330	1,262	1,194	1,125	0
2034	MC	2034 MC	3,480	3,311	3,155	3,004	2,854	2,703	2,553	2,402	2,252	2,101	1,991	1,921	1,852	1,782	1,712	1,642	1,572	1,503	1,433	1,363	1,293	1,223	1,154
2035	MC	2035 MC	3,754	3,567	3,394	3,234	3,080	2,925	2,771	2,617	2,462	2,308	2,154	2,041	1,969	1,898	1,826	1,754	1,682	1,612	1,540	1,469	1,397	1,325	1,254
2036	MC	2036 MC	4,057	3,848	3,656	3,479	3,315	3,157	2,998	2,840	2,682	2,524	2,366	2,208	2,092	1,999	1,905	1,812	1,719	1,626	1,552	1,479	1,405	1,331	1,259
2037	MC	2037 MC	4,387	4,159	3,944	3,748	3,566	3,398	3,236	3,073	2,911	2,749	2,587	2,425	2,263	2,144	2,069	1,994	1,919	1,844	1,768	1,693	1,618	1,543	1,468
2038	MC	2038 MC	4,743	4,493	4,263	4,043	3,841	3,655	3,483	3,316	3,154	2,994	2,818	2,652	2,486	2,367	2,291	2,198	2,121	2,044	1,967	1,890	1,813	1,736	1,659
2039	MC	2039 MC	5,109	4,827	4,593	4,369	4,144	3,937	3,746	3,570	3,399	3,229	3,059	2,888	2,718	2,548	2,377	2,253	2,174	2,095	2,016	1,937	1,858	1,779	1,700
2040	MC	2040 MC	5,484	5,178	4,924	4,680	4,448	4,248	4,086	3,940	3,840	3,740	3,640	3,540	3,440	3,340	3,240	3,140	3,040	2,940	2,840	2,740	2,640	2,540	2,440
2041	MC	2041 MC	5,869	5,534	5,251	4,980	4,724	4,484	4,264	4,064	3,884	3,724	3,564	3,404	3,244	3,084	2,924	2,764	2,604	2,444	2,284	2,124	1,964	1,804	1,644
2042	MC	2042 MC	6,254	5,891	5,578	5,284	5,004	4,744	4,504	4,284	4,084	3,904	3,744	3,584	3,424	3,264	3,104	2,944	2,784	2,624	2,464	2,304	2,144	1,984	1,824
2043	MC	2043 MC	6,639	6,248	5,896	5,574	5,274	5,004	4,754	4,524	4,304	4,104	3,924	3,764	3,604	3,444	3,284	3,124	2,964	2,804	2,644	2,484	2,324	2,164	2,004
2044	MC	2044 MC	7,024	6,604	6,224	5,884	5,574	5,284	5,014	4,764	4,534	4,314	4,114	3,934	3,774	3,614	3,454	3,294	3,134	2,974	2,814	2,654	2,494	2,334	2,174
2045	MC	2045 MC	7,409	6,964	6,564	6,204	5,874	5,574	5,294	5,034	4,794	4,564	4,344	4,144	3,964	3,794	3,624	3,464	3,304	3,144	2,984	2,824	2,664	2,504	2,344
2046	MC	2046 MC	7,794	7,324	6,914	6,534	6,184	5,874	5,594	5,334	5,094	4,864	4,644	4,444	4,264	4,094	3,924	3,754	3,584	3,414	3,244	3,074	2,904	2,734	2,564
2047	MC	2047 MC	8,179	7,684	7,254	6,854	6,484	6,144	5,834	5,554	5,294	5,054	4,824	4,604	4,394	4,194	4,004	3,814	3,624	3,434	3,244	3,054	2,864	2,674	2,484
2048	MC	2048 MC	8,564	8,044	7,594	7,174	6,784	6,424	6,094	5,794	5,514	5,244	4,984	4,734	4,484	4,244	4,014	3,784	3,554	3,324	3,094	2,864	2,634	2,404	2,174
2049	MC	2049 MC	8,949	8,404	7,934	7,494	7,084	6,704	6,344	6,004	5,684	5,384	5,094	4,814	4,534	4,264	4,004	3,744	3,484	3,224	2,964	2,704	2,444	2,184	1,924
2050	MC	2050 MC	9,334	8,764	8,274	7,814	7,384	6,984	6,604	6,244	5,904	5,574	5,254	4,944	4,634	4,324	4,014	3,704	3,394	3,084	2,774	2,464	2,154	1,844	1,534
2051	MC	2051 MC	9,719	9,124	8,614	8,134	7,684	7,264	6,864	6,484	6,124	5,774	5,434	5,094	4,754	4,414	4,074	3,734	3,394	3,054	2,714	2,374	2,034	1,694	1,354
2052	MC	2052 MC	10,104	9,484	8,944	8,434	7,944	7,474	7,024	6,594	6,234	5,884	5,534	5,184	4,824	4,464	4,104	3,744	3,384	3,024	2,664	2,304	1,944	1,584	1,224
2053	MC	2053 MC	10,489	9,844	9,274	8,734	8,214	7,714	7,234	6,774	6,414	6,054	5,694	5,334	4,964	4,594	4,224	3,854	3,484	3,114	2,744	2,374	2,004	1,634	1,264
2054	MC	2054 MC	10,874	10,204	9,614	9,054	8,514	8,004	7,514	7,044	6,594	6,234	5,874	5,514	5,144	4,774	4,404	4,034	3,664	3,294	2,924	2,554	2,184	1,814	1,444
2055	MC	2055 MC	11,259	10,564	9,944	9,354	8,784	8,234	7,704	7,194	6,714	6,334	5,954	5,574	5,194	4,814	4,434	4,054	3,674	3,294	2,914	2,534	2,154	1,774	1,394
2056	MC	2056 MC	11,644	10,924	10,284	9,674	9,084	8,514	7,964	7,434	6,934	6,534	6,134	5,734	5,334	4,934	4,534	4,134	3,734	3,334	2,934	2,534	2,134	1,734	1,334
2057	MC	2057 MC	12,029	11,284	10,624	10,004	9,404	8,824	8,264	7,724	7,204	6,784	6,364	5,944	5,524	5,104	4,684	4,264	3,844	3,424	3,004	2,584	2,164	1,744	1,324
2058	MC	2058 MC	12,414	11,634	10,944	10,304	9,684	9,084	8,504	7,944	7,404	6,964	6,524	6,084	5,644	5,204	4,764	4,324	3,884	3,444	3,004	2,564	2,124	1,684	1,244
2059	MC	2059 MC	12,799	11,984	11,264	10,614	9,984	9,374	8,784	8,214	7,654	7,114	6,664	6,214	5,764	5,314	4,864	4,414	3,964	3,514	3,064	2,614	2,164	1,714	1,264

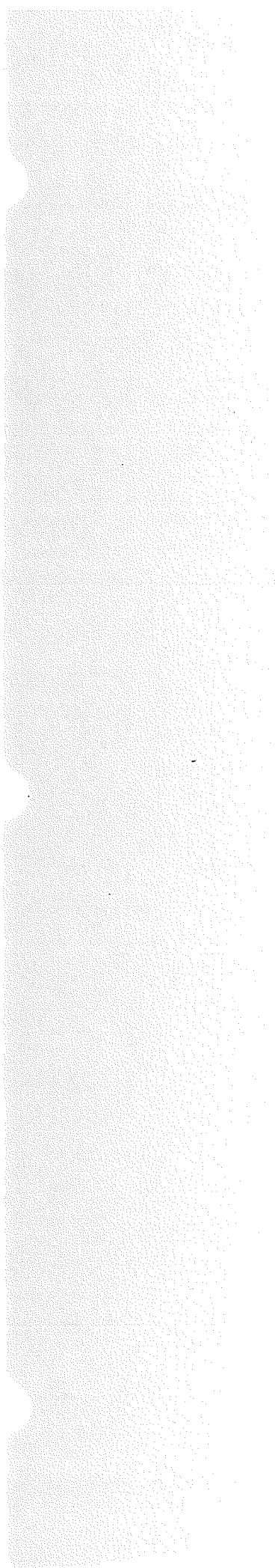
Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
81			78		74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
86			83		80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
92			88		85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
97			94		90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
103			100		96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
112			106		102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
123			114		108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
134			126		117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
146			138		129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
159			150		141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
172			163		154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
186			176		167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
200			190		181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
216			205		195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
234			221		210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
253			239		227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
178			259		245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
			182		266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99
					187	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106
						192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114

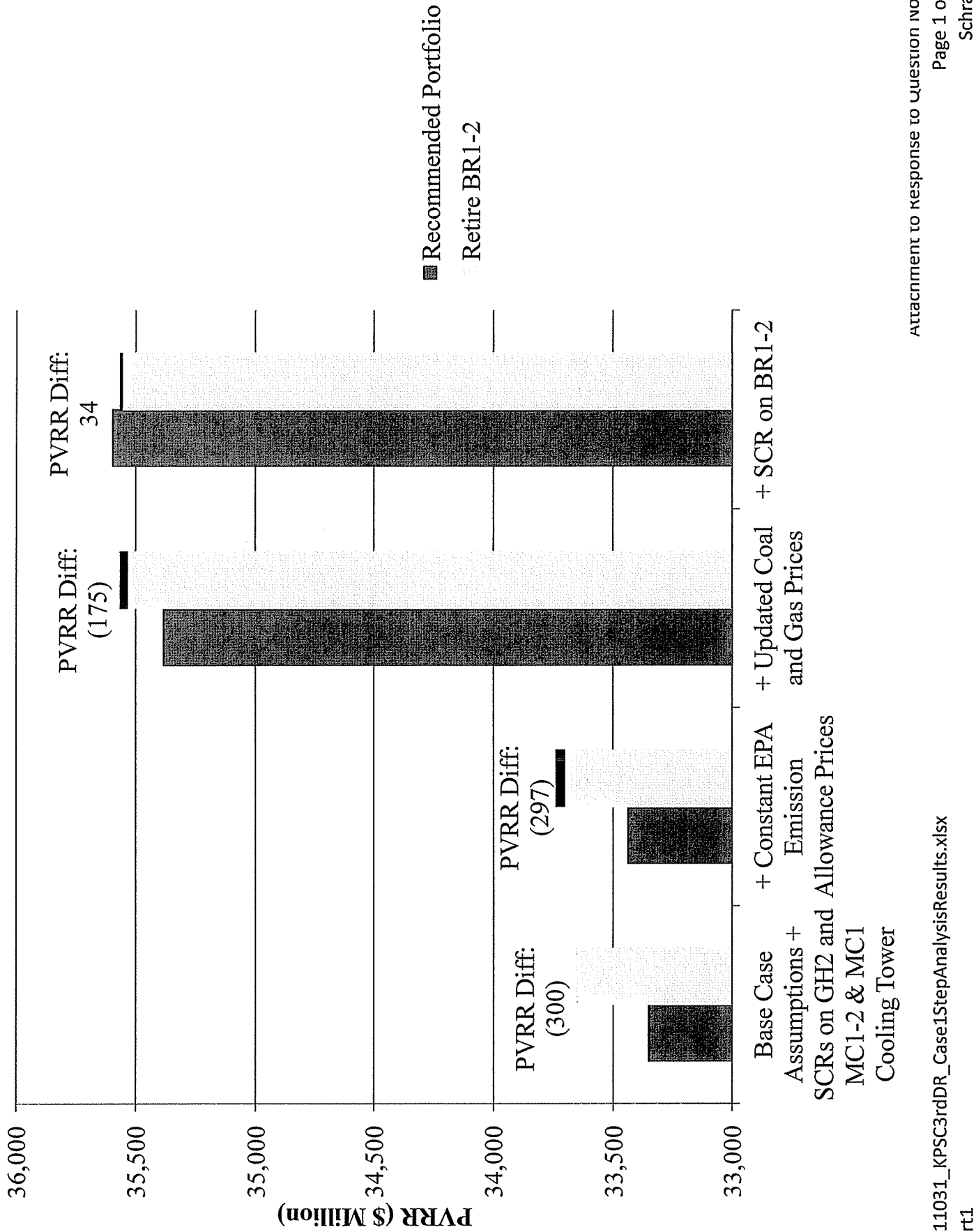
Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
BR	Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
BR	Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
BR	Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
CR	Landfill Capital Savings	936	3,049	4,083	3,979	4,416	4,938	4,772	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
CR	Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
CR6	Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
GH	Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
GH	Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
TC	Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
BR Landfill Phase 2 Savings			1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
BR Landfill Phase 3 Savings			3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
BR Landfill O&M Savings			4,256	4,384	4,515	4,651									
CR Landfill Capital Savings			2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
CR Landfill O&M Savings			4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
CR6 Stator Rewind Savings			1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
GH Landfill Capital Savings			18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
GH Landfill O&M Savings			44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
TC Landfill Capital Savings			0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
TC Landfill O&M Savings			6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BRL1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,008	955	928	901	875	848	821	795	768	
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,028	975	928	881	834	787	740	693	646	
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,019	966	919	872	825	778	731	684	637	
GR	GR4	68	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,017	964	917	870	823	776	729	682	635	
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
MC	MCL	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	
MC	MC2	303	0	0	0	1,215	1,774	1,682	1,598	1,514	1,430	1,346	1,262	1,178	1,094	1,010	926	854	808	762	716	670	624	578	532	486	440	394	
MC	MCS	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	
MC	MC4	392	0	0	0	1,568	2,289	2,171	2,053	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808	
TC	TC1	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	
TC	TC2	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	
TY	TY3	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	
TY	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0	
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	
TCWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	
GRWATER			0	0	0	5,902	7,892	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	
MCLCOOL			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,083	1,049	1,015	980	946	912	877	843	809	774	740	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCL	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	380	377	364	352	339	326	314	301	288	276	263	250	237	225	212	200	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	282	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER			2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0
CRWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER			2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER			1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	485	0	0	0	0
GRWATER			3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0
GRWATER			706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCLCOOL			1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0





10/31/2011

	PVRR (\$ Million)	Delta	For Chart:
Base Case Assumptions + SCRs on GH2 and MC1-2 & MC1 Cooling Tower	33,353	33,653	300 PVRR Diff: (300)
+ Constant EPA Emission Allowance Prices	33,438	33,735	297 PVRR Diff: (297)
+ Updated Coal and Gas Prices	35,387	35,562	175 PVRR Diff: (175)
+ SCR on BR1-2	35,596	35,562	(34) PVRR Diff: 34

SORTED TABLE

Coal Units in Portfolio

Row	Trimble County 2	Trimble County 1	Mill Creek 3	Mill Creek 4	Ghent 1	Ghent 2	Ghent 3	Ghent 4	Brown 3	Mill Creek 1-2	Brown 1-2	Green River 4	Cane Run 5	Cane Run 6	Cane Run 4	Green River 3	Tyrene 3	Portfolio PVRR 2011 to 2040 (\$Million)
1	X	X	X	X	X	X	X	X	X	X	X							33,537
2	X	X	X	X	X	X	X	X	X	X								33,564
3	X	X	X	X	X	X	X	X	X	X	X	X	X					33,678
4	X	X	X	X	X	X	X	X	X	X	X	X						33,699
5	X	X	X	X	X	X	X	X	X	X	X	X	X					33,732
6	X	X	X	X	X	X	X	X	X	X								33,755
7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			33,781
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		33,868
9	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		33,951
10	X	X	X	X	X	X	X	X	X									34,080
11	X	X		X	X	X	X	X	X	X								34,191
12	X	X	X	X	X		X	X	X	X	X							34,256
13	X	X	X		X	X	X	X	X	X								34,256
14	X	X	X	X	X	X	X	X	X									34,286
15	X	X	X	X	X	X	X	X		X	X	X	X	X	X			34,311
16	X		X	X	X	X	X	X	X	X								34,449
17	X	X	X	X		X	X	X	X	X	X	X						34,483
18	X	X	X	X	X	X	X		X	X	X							34,531
19	X	X	X	X	X	X	X	X	X	X	X	X						34,564

Coal Units in Portfolio

Coal Units in Portfolio														Portfolio PVRR 2011 to 2040 (\$Million)																						
X	Trimble County 2	X	Trimble County 1	X	Mill Creek 3	X	Mill Creek 4	X	Ghent 1	X	Ghent 2	X	Ghent 3	X	Ghent 4	X	Brown 3	X	Mill Creek 1-2	X	Brown 1-2	X	Green River 4	X	Cane Run 5	X	Cane Run 6	X	Cane Run 4	X	Green River 3	X	Tyrene 3	X	33,951	
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,868
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,781
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,311
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,678
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,732
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,755
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,699
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,564
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,483
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,537
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,256
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,449
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,531
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,191
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,256
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,080
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		33,564
X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		X		34,286

Retiree No.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18
2010	TY GR3	TY GR3	TY GR3 BR3	TY GR3 CR4	TY GR3 CR4 CR6	TY GR3 CR4 CR6 BR1-2	TY GR3 CR	TY GR3 CR GH3	TY GR3 CR GH1	TY GR CR MCA	TY GR CR TCI	TY GR CR GH4	TY GR CR MCE	TY GR CR GH2	TY GR CR MCL-2	TY GR CR BR1-2	TY GR CR BR1-2	TY GR CR
2011																		
2012																		
2013																		
2014																		
2015	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(2)	3x1C(2)	3x1C(1)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)	3x1C(2)
2016																		
2017	3x1C(1)					3x1C(1)	3x1C(1)		3x1C(1)									3x1C(1)
2018																		
2019																		
2020																		
2021																		
2022																		
2023																		
2024	3x1C(1)	3x1C(1)																
2025																		
2026																		
2027																		
2028																		
2029																		
2030	2x1C(1)	3x1C(1)																2x1C(1)
2031																		
2032																		
2033																		
2034																		
2035	3x1C(1)	2x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)
2036																		
2037																		
2038																		
2039																		
2040																		

KFC 3rd Data Request - Case 2 (ASC Gas Prices)

6.11%

Discount Rate:

New Unit Cost and Production Cost

No Retirements

Retiree TY

Retiree TY GR and GR3

Retiree TY GR and GR4

Retiree TY GR and GR5

Retiree TY GR and GR6

Retiree TY GR and GR7

Retiree TY GR and GR8

Retiree TY GR and GR9

Retiree TY GR and GR10

Retiree TY GR and GR11

Retiree TY GR and GR12

Retiree TY GR and GR13

Retiree TY GR and GR14

Retiree TY GR and GR15

Retiree TY GR and GR16

Retiree TY GR and GR17

Retiree TY GR and GR18

Retiree TY GR and GR19

Retiree TY GR and GR20

Retiree TY GR and GR21

Retiree TY GR and GR22

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Retiree TY GR and GR75

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2.633

2.730

2.838

2.946

3.054

3.162

3.270

3.378

3.486

3.594

3.702

3.810

3.918

4.026

4.134

4.242

4.350

4.458

4.566

4.674

4.782

4.890

5.000

5.108

5.216

5.324

5.432

5.540

5.648

5.756

5.864

5.972

6.080

6.188

6.296

6.404

6.512

6.620

6.728

6.836

6.944

KPC3rd Data Request - Case 2 (REC Gas Prices)

Discount Rate: 6.75%

MEMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retiree TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and TCI	-42	0	0	0	-1.955	-2.066	-2.172	-2.216	-2.660	-2.805	-3.351	-3.788	-4.246	-4.46	-4.95	-5.258	-5.689	-6.248	-6.829	-7.443	-8.094	-8.784	-9.507	-10.264
Retiree TY GR and G4	-103	0	0	0	-5.668	-6.038	-6.622	-7.433	-8.153	-9.385	-10.789	-12.381	-14.181	-16.194	-18.434	-20.914	-23.644	-26.624	-30.064	-34.074	-38.774	-44.274	-50.674	-57.974
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and G4	-104	0	0	0	-5.727	-6.101	-6.691	-7.510	-8.238	-9.574	-11.074	-12.774	-14.694	-16.844	-19.244	-21.894	-24.814	-28.014	-31.514	-35.424	-39.754	-44.514	-49.714	-55.354
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and G4	-18	0	0	0	-1.170	-1.205	-1.254	-1.324	-1.414	-1.524	-1.654	-1.804	-1.974	-2.164	-2.374	-2.604	-2.854	-3.124	-3.414	-3.724	-4.054	-4.414	-4.804	-5.224
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and G4	250	0	0	21.976	31.104	30.500	29.057	27.653	26.278	24.932	23.530	22.157	20.785	19.515	18.343	17.271	16.299	15.427	14.655	13.983	13.411	12.939	12.567	12.295
Retiree TY GR and MCA	244	0	0	22.390	31.745	30.953	29.786	28.378	27.018	25.702	24.428	23.206	22.038	20.916	19.840	18.810	17.826	16.888	16.006	15.170	14.379	13.624	12.906	12.224
Retiree TY GR and G4	238	0	0	21.804	30.908	29.973	28.799	27.496	26.272	25.038	23.794	22.540	21.376	20.302	19.318	18.424	17.620	16.906	16.282	15.748	15.304	14.950	14.686	14.412
Retiree TY GR and MCA	215	0	0	19.525	27.808	26.853	25.203	23.853	22.597	21.433	20.363	19.287	18.205	17.117	16.020	15.016	14.104	13.284	12.556	11.918	11.370	10.902	10.514	10.206
Retiree TY GR and G4	228	0	0	20.824	29.316	28.289	26.430	24.972	23.622	22.366	21.202	20.132	19.056	18.074	17.186	16.392	15.692	15.086	14.574	14.156	13.832	13.502	13.266	13.024
Retiree TY GR and MCA	212	0	0	19.306	26.877	25.871	24.012	22.554	21.298	20.142	19.076	18.000	17.014	16.118	15.322	14.626	14.030	13.524	13.106	12.782	12.552	12.316	12.174	12.026
Retiree TY GR and G4	212	0	0	19.306	26.877	25.871	24.012	22.554	21.298	20.142	19.076	18.000	17.014	16.118	15.322	14.626	14.030	13.524	13.106	12.782	12.552	12.316	12.174	12.026
Retiree TY GR and MCA	197	0	0	17.838	24.506	23.621	21.761	20.303	18.947	17.691	16.535	15.479	14.523	13.667	12.911	12.255	11.709	11.263	10.917	10.671	10.525	10.479	10.433	10.387
Retiree TY GR and G4	201	0	0	18.244	25.162	23.857	22.499	21.243	20.087	18.931	17.875	16.919	16.063	15.307	14.651	14.095	13.639	13.283	12.927	12.671	12.525	12.479	12.433	12.387
Retiree TY GR and MCA	186	0	0	16.782	23.208	22.011	21.277	20.441	19.605	18.769	17.933	17.197	16.461	15.815	15.259	14.793	14.417	14.141	13.965	13.889	13.813	13.737	13.661	13.585
Retiree TY GR and G4	193	0	0	17.425	23.993	22.761	21.440	20.220	19.099	18.078	17.157	16.337	15.617	15.061	14.595	14.219	13.943	13.767	13.691	13.615	13.539	13.463	13.387	13.311
Retiree TY GR and MCA	185	0	0	16.652	22.985	21.684	20.508	19.332	18.256	17.280	16.404	15.624	14.944	14.388	13.932	13.576	13.300	13.124	13.048	12.972	12.896	12.820	12.744	12.668
Retiree TY GR and G4	178	0	0	15.951	22.022	20.889	19.733	18.657	17.681	16.805	16.029	15.349	14.769	14.289	13.909	13.633	13.457	13.381	13.305	13.229	13.153	13.077	13.001	12.925
Retiree TY GR and MCA	176	0	0	15.857	21.704	20.590	19.458	18.382	17.356	16.480	15.654	14.974	14.394	13.914	13.534	13.258	13.082	12.906	12.830	12.754	12.678	12.602	12.526	12.450
Retiree TY GR and G4	178	0	0	15.936	22.002	20.870	19.704	18.528	17.452	16.476	15.500	14.624	13.848	13.268	12.888	12.612	12.436	12.260	12.184	12.108	12.032	11.956	11.880	11.804
Retiree TY GR and MCA	152	0	0	15.003	20.457	19.408	18.454	17.500	16.646	15.792	14.938	14.184	13.520	13.040	12.660	12.384	12.208	12.032	11.956	11.880	11.804	11.728	11.652	11.576
Retiree TY GR and G4	178	0	0	15.957	22.021	20.895	19.719	18.654	17.688	16.834	16.079	15.415	14.835	14.355	13.975	13.695	13.415	13.239	13.063	12.887	12.711	12.535	12.359	12.183
Retiree TY GR and MCA	137	0	0	13.555	18.486	17.542	16.683	15.898	15.178	14.458	13.792	13.186	12.640	12.150	11.710	11.310	10.950	10.630	10.350	10.110	9.900	9.710	9.540	9.380

Water Capital

MEMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retiree TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and TCI	-42	0	0	0	-1.955	-2.066	-2.172	-2.216	-2.660	-2.805	-3.351	-3.788	-4.246	-4.46	-4.95	-5.258	-5.689	-6.248	-6.829	-7.443	-8.094	-8.784	-9.507
Retiree TY GR and G4	-103	0	0	0	-5.668	-6.038	-6.622	-7.433	-8.153	-9.385	-10.789	-12.381	-14.181	-16.194	-18.434	-20.914	-23.644	-26.624	-30.064	-34.074	-38.774	-44.274	-50.674
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and G4	-104	0	0	0	-5.727	-6.101	-6.691	-7.510	-8.238	-9.574	-11.074	-12.774	-14.694	-16.844	-19.244	-21.894	-24.814	-28.014	-31.514	-35.424	-39.754	-44.514	-49.714
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and G4	-18	0	0	0	-1.170	-1.205	-1.254	-1.324	-1.414	-1.524	-1.654	-1.804	-1.974	-2.164	-2.374	-2.604	-2.854	-3.124	-3.414	-3.724	-4.054	-4.414	-4.804
Retiree TY GR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR and G4	250	0	0	21.976	31.104	30.500	29.057	27.653	26.278	24.932	23.530	22.157	20.785	19.515	18.343	17.271	16.299	15.427	14.655	13.983	13.411	12.939	12.567
Retiree TY GR and MCA	244	0	0	22.390	31.745	30.953	29.786	28.378	27.018	25.702	24.428	23.206	22.038	20.916	19.840	18.810	17.826	16.888	16.006	15.170	14.379	13.624	12.906
Retiree TY GR and G4	238	0	0	21.804	30.908	29.973	28.799	27.496	26.272	25.038	23.794	22.540	21.376	20.302	19.318	18.424	17.620	16.906	16.282	15.748	15.304	14.950	14.686
Retiree TY GR and MCA	215	0	0	19.525	27.808	26.853	25.203	23.853	22.597	21.433	20.363	19.287	18.205	17.117	16.020	15.016	14.104	13.284	12.556	11.918	11.370	10.902	10.514
Retiree TY GR and G4	228	0	0	20.824	29.316	28.289	26.430	24.972	23.622	22.366	21.202	20.132	19.056	18.074	17.186	16.392	15.692	15.086	14.574	14.156	13.832	13.502	13.266
Retiree TY GR and MCA	212	0	0	19.306	26.877	25.871	24.012	22.554	21.298	20.142	19.076	18.000	17.014	16.118	15.322	14.626	14.030	13.524	13.106	12.782	12.552	12.316	12.174
Retiree TY GR and G4	212	0	0	19.306	26.877	25.871	24.012	22.554	21.298	20.142	19.076	18.000	17.014	16.118	15.322	14.626	14.030	13.524	13.106	12.782	12.552	12.316	12.174
Retiree TY GR and MCA	197	0	0	17.838	24.506	23.621	21.761	20.303	18.947	17.691	16.535	15.479	14.523	13.667	12.911	12.255	11.709	11.263	10.917	10.671	10.525	10.479	10.

SW	NEW	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033																																																																																																																																																																																																																																																																																					
Retiree TV GR CR and MC4	2,650	214,901	218,737	218,007	210,243	214,448	218,737	153,445	156,514	159,644	162,837	166,094	169,416	172,801	176,246	179,786	183,381	187,049	190,790	194,606	198,498	202,468	206,517	210,647	214,860	219,159	223,538	227,997	232,536	237,155	241,854	246,634	251,494	256,435	261,458	266,564	271,753	277,017	282,357	287,773	293,266	298,837	304,486	310,215	316,025	321,917	327,892	333,943	340,072	346,281	352,571	358,943	365,398	371,937	378,561	385,271	392,068	398,954	405,931	413,000	420,163	427,421	434,775	442,226	449,775	457,423	465,171	473,020	480,970	489,022	497,177	505,437	513,803	522,276	530,857	539,546	548,344	557,252	566,271	575,401	584,643	594,000	603,464	613,037	622,720	632,514	642,419	652,437	662,569	672,816	683,180	693,662	704,264	714,988	725,835	736,807	747,906	759,134	770,493	782,085	793,910	805,970	818,167	830,502	843,077	855,893	868,952	882,257	895,810	909,619	923,685	938,019	952,623	967,507	982,683	998,162	1,013,948	1,030,043	1,046,449	1,063,168	1,080,203	1,097,556	1,115,230	1,133,227	1,151,549	1,170,199	1,189,179	1,208,491	1,228,137	1,248,121	1,268,445	1,289,111	1,310,122	1,331,481	1,353,191	1,375,255	1,397,676	1,420,457	1,443,601	1,467,111	1,491,000	1,515,281	1,540,067	1,565,272	1,590,901	1,616,968	1,643,486	1,670,469	1,697,921	1,725,856	1,754,288	1,783,221	1,812,660	1,842,610	1,873,075	1,903,560	1,934,070	1,964,609	1,995,181	2,025,790	2,056,440	2,087,135	2,117,879	2,148,677	2,179,533	2,210,450	2,241,431	2,272,479	2,303,598	2,334,791	2,366,062	2,397,414	2,428,851	2,460,377	2,491,996	2,523,713	2,555,531	2,587,454	2,619,486	2,651,630	2,683,889	2,716,267	2,748,768	2,781,396	2,814,155	2,847,049	2,880,073	2,913,231	2,946,528	2,979,968	3,013,555	3,047,293	3,081,177	3,115,212	3,149,403	3,183,754	3,218,270	3,252,956	3,287,807	3,322,828	3,358,024	3,393,399	3,428,958	3,464,706	3,500,648	3,536,789	3,573,134	3,609,688	3,646,457	3,683,446	3,720,660	3,758,104	3,795,783	3,833,702	3,871,866	3,910,280	3,948,949	3,987,879	4,027,066	4,066,515	4,106,232	4,146,223	4,186,493	4,227,048	4,267,894	4,309,037	4,350,483	4,392,238	4,434,309	4,476,702	4,519,423	4,562,478	4,605,874	4,649,617	4,693,714	4,738,071	4,782,795	4,827,893	4,873,272	4,918,940	4,964,904	5,011,171	5,067,748	5,124,643	5,181,872	5,239,453	5,297,393	5,355,699	5,414,380	5,473,444	5,532,898	5,592,750	5,652,998	5,713,651	5,774,717	5,836,203	5,898,117	5,960,468	6,023,264	6,086,514	6,150,227	6,214,411	6,279,074	6,344,225	6,409,872	6,476,024	6,542,690	6,609,879	6,677,600	6,745,862	6,814,674	6,884,045	6,953,984	7,024,500	7,095,602	7,167,298	7,239,597	7,312,408	7,385,830	7,459,872	7,534,544	7,609,855	7,685,815	7,762,433	7,839,718	7,917,680	8,000,000	8,080,000	8,160,000	8,240,000	8,320,000	8,400,000	8,480,000	8,560,000	8,640,000	8,720,000	8,800,000	8,880,000	8,960,000	9,040,000	9,120,000	9,200,000	9,280,000	9,360,000	9,440,000	9,520,000	9,600,000	9,680,000	9,760,000	9,840,000	9,920,000	10,000,000

Attachment to Response to Question No. 2
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Schram

20110517_LAK_11R1PretireStudies_MCI-2CombiGRD_WFSC_Case2-AESCGas.xlsx
RRComparison

NPCC Grid Data Request - Case 2 (AES Gas Prices)

Discount Rate: 6.71%

Table with columns: Year (2011-2032), Retire TY, and various numerical values representing costs and requirements for different retire types.

Total Resource Requirements Delta

Summary table for Total Resource Requirements Delta, showing Net retirements and Total Resource Requirements for various retire types.

Total Resource Requirements Cumulative Delta

Summary table for Total Resource Requirements Cumulative Delta, showing Net retirements and Total Resource Requirements for various retire types.

System S22 Emissions Exposure

Table showing emissions exposure for various retire types, including columns for Net retirements and Total Resource Requirements.

Discount Rate: 6.71%

Table with columns for \$M, NPSR, and years 2011 through 2033. Rows include Retiree TY GR CR and TCI, Retiree TY GR CR and GH4, Retiree TY GR CR and BR3, Retiree TY GR CR and M4, Retiree TY GR CR and GH3, Retiree TY GR CR and GH1, Retiree TY GR CR and M4, Retiree TY GR CR and TCI, Retiree TY GR CR and GH4, Retiree TY GR CR and M3, Retiree TY GR CR and GH2, Retiree TY GR CR and M2, Retiree TY GR CR and BR1-2, Retiree TY GR CR and M1-2.

System Annual Nox Emissions Excess

Table with columns for No Retirements, Retiree TY, and years 2011 through 2033. Rows include Retiree TY GR CR and GH3, Retiree TY GR CR and BR3, Retiree TY GR CR and M4, Retiree TY GR CR and GH4, Retiree TY GR CR and M3, Retiree TY GR CR and GH2, Retiree TY GR CR and M2, Retiree TY GR CR and BR1-2, Retiree TY GR CR and M1-2.

System Ozone Nox Emissions Excess

Table with columns for No Retirements, Retiree TY, and years 2011 through 2033. Rows include Retiree TY GR CR and GH3, Retiree TY GR CR and BR3, Retiree TY GR CR and M4, Retiree TY GR CR and GH4, Retiree TY GR CR and M3, Retiree TY GR CR and GH2, Retiree TY GR CR and M2, Retiree TY GR CR and BR1-2, Retiree TY GR CR and M1-2.

System Total Emissions Excess

Table with columns for No Retirements, Retiree TY, and years 2011 through 2033. Rows include Retiree TY GR CR and GH3, Retiree TY GR CR and BR3, Retiree TY GR CR and M4, Retiree TY GR CR and GH4, Retiree TY GR CR and M3, Retiree TY GR CR and GH2, Retiree TY GR CR and M2, Retiree TY GR CR and BR1-2, Retiree TY GR CR and M1-2.

Total RR Minus Emissions Excess

Table with columns for No Retirements, Retiree TY, and years 2011 through 2033. Rows include Retiree TY GR CR and GH3, Retiree TY GR CR and BR3, Retiree TY GR CR and M4, Retiree TY GR CR and GH4, Retiree TY GR CR and M3, Retiree TY GR CR and GH2, Retiree TY GR CR and M2, Retiree TY GR CR and BR1-2, Retiree TY GR CR and M1-2.

Discount Rate:

2023 2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

New Unit Capital and Production Cost

No Retirements	2,977,581	3,036,865	3,096,202	3,165,806	3,233,308	3,304,533	3,379,844	3,458,639	3,540,434	3,624,839	3,712,464	3,802,919	3,905,914	4,020,959	4,148,664	4,288,639	4,440,684	4,604,519	4,781,044	4,970,169	5,172,794	5,388,819	5,619,344	5,864,369	6,124,894	6,400,919	6,693,444	7,003,469	7,330,994	7,676,019	8,038,544	8,419,569	8,819,194	9,237,419	9,674,244	10,130,669	10,606,694	11,102,319	11,618,544	12,155,769	12,714,094	13,293,519	13,894,044	14,515,669	15,158,394	15,822,219	16,507,144	17,213,169	17,940,294	18,688,519	19,457,844	20,248,269	21,059,794	21,892,419	22,746,144	23,620,969	24,516,894	25,433,919	26,372,044	27,331,269	28,311,594	29,312,919	30,335,244	31,378,569	32,441,894	33,525,219	34,628,544	35,751,869	36,895,194	38,058,519	39,241,844	40,445,169	41,669,494	42,913,819	44,178,144	45,463,469	46,768,794	48,094,119	49,439,444	50,804,769	52,190,094	53,596,419	55,022,744	56,469,069	57,935,394	59,421,719	60,928,044	62,454,369	63,990,694	65,537,019	67,093,344	68,659,669	70,246,994	71,854,319	73,481,644	75,128,969	76,797,294	78,486,619	80,195,944	81,925,269	83,674,594	85,443,919	87,233,244	89,043,569	90,873,894	92,724,219	94,594,544	96,484,869	98,395,194	100,325,519	102,275,844	104,246,169	106,236,494	108,246,819	110,277,144	112,327,469	114,397,794	116,488,119	118,598,444	120,728,769	122,879,094	125,049,419	127,239,744	129,450,069	131,680,394	133,930,719	136,201,044	138,491,369	140,801,694	143,132,019	145,483,344	147,854,669	150,246,994	152,660,319	155,094,644	157,549,969	160,026,294	162,523,619	165,041,944	167,581,269	170,141,594	172,722,919	175,325,244	177,948,569	180,592,894	183,258,219	185,944,544	188,651,869	191,380,194	194,129,519	196,900,844	199,693,169	202,506,494	205,340,819	208,196,144	211,072,469	213,969,794	216,888,119	219,827,444	222,787,769	225,769,094	228,771,419	231,794,744	234,839,069	237,904,394	240,990,719	244,098,044	247,226,369	250,374,694	253,543,019	256,731,344	259,939,669	263,168,994	266,419,319	269,690,644	272,981,969	276,294,294	279,627,619	282,980,944	286,354,269	289,748,594	293,162,919	296,597,244	300,051,569	303,525,894	307,020,219	310,534,544	314,068,869	317,623,194	321,197,519	324,791,844	328,406,169	332,030,494	335,664,819	339,319,144	342,993,469	346,687,794	350,402,119	354,136,444	357,890,769	361,665,094	365,459,419	369,273,744	373,108,069	376,962,394	380,836,719	384,731,044	388,645,369	392,569,694	396,514,019	400,478,344	404,462,669	408,467,994	412,493,319	416,538,644	420,603,969	424,689,294	428,795,619	432,921,944	437,068,269	441,234,594	445,420,919	449,627,244	453,853,569	458,099,894	462,366,219	466,652,544	470,958,869	475,285,194	479,631,519	483,997,844	488,384,169	492,790,494	497,216,819	501,663,144	506,129,469	510,615,794	515,122,119	519,649,444	524,196,769	528,764,094	533,351,419	537,958,744	542,587,069	547,235,394	551,903,719	556,592,044	561,300,369	566,028,694	570,777,019	575,545,344	580,333,669	585,141,994	590,970,319	596,818,644	602,686,969	608,575,294	614,483,619	620,411,944	626,360,269	632,328,594	638,316,919	644,325,244	650,353,569	656,401,894	662,470,219	668,558,544	674,666,869	680,795,194	686,943,519	693,111,844	699,300,169	705,509,494	711,738,819	717,988,144	724,257,469	730,546,794	736,856,119	743,185,444	749,534,769	755,904,094	762,293,419	768,702,744	775,132,069	781,581,394	788,050,719	794,549,044	801,067,369	807,604,694	814,161,019	820,737,344	827,333,669	833,949,994	840,587,319	847,244,644	853,921,969	860,619,294	867,337,619	874,075,944	880,834,269	887,612,594	894,410,919	901,229,244	908,068,569	914,927,894	921,807,219	928,706,544	935,625,869	942,565,194	949,524,519	956,503,844	963,503,169	970,522,494	977,561,819	984,621,144	991,690,469	998,779,794	1,005,889,119	1,012,918,444	1,020,967,769	1,029,037,094	1,037,126,419	1,045,234,744	1,053,363,069	1,061,511,394	1,069,679,719	1,077,868,044	1,086,076,369	1,094,304,694	1,102,553,019	1,110,821,344	1,119,109,669	1,127,417,994	1,135,746,319	1,144,094,644	1,152,462,969	1,160,851,294	1,169,260,619	1,177,689,944	1,186,139,269	1,194,608,594	1,203,097,919	1,211,607,244	1,220,136,569	1,228,685,894	1,237,255,219	1,245,843,544	1,254,451,869	1,263,080,194	1,271,728,519	1,280,396,844	1,289,085,169	1,297,793,494	1,306,521,819	1,315,270,144	1,324,038,469	1,332,826,794	1,341,635,119	1,350,463,444	1,359,311,769	1,368,180,094	1,377,068,419	1,385,976,744	1,394,905,069	1,403,853,394	1,412,821,719	1,421,810,044	1,430,818,369	1,439,846,694	1,448,895,019	1,457,963,344	1,467,051,669	1,476,160,994	1,485,291,319	1,494,441,644	1,503,611,969	1,512,802,294	1,522,013,619	1,531,244,944	1,540,497,269	1,549,770,594	1,559,063,919	1,568,377,244	1,577,710,569	1,587,063,894	1,596,437,219	1,605,830,544	1,615,243,869	1,624,677,194	1,634,130,519	1,643,603,844	1,653,097,169	1,662,610,494	1,672,142,819	1,681,695,144	1,691,267,469	1,700,858,794	1,710,469,119	1,720,098,444	1,729,746,769	1,739,414,094	1,749,101,419	1,758,807,744	1,768,534,069	1,778,280,394	1,788,046,719	1,797,833,044	1,807,639,369	1,817,464,694	1,827,309,019	1,837,173,344	1,847,057,669	1,856,961,994	1,866,886,319	1,876,830,644	1,886,794,969	1,896,779,294	1,906,783,619	1,916,807,944	1,926,852,269	1,936,916,594	1,946,990,919	1,957,085,244	1,967,199,569	1,977,333,894	1,987,488,219	1,997,662,544	2,007,856,869	2,018,071,194	2,028,305,519	2,038,559,844	2,048,834,169	2,059,128,494	2,069,442,819	2,079,777,144	2,090,130,469	2,100,502,794	2,110,894,119	2,121,305,444	2,131,735,769	2,142,185,094	2,152,653,419	2,163,140,744	2,173,647,069	2,184,173,394	2,194,719,719	2,205,286,044	2,215,872,369	2,226,478,694	2,237,104,019	2,247,749,344	2,258,414,669	2,269,099,994	2,279,805,319	2,290,530,644	2,301,275,969	2,312,041,294	2,322,826,619	2,333,631,944	2,344,457,269	2,355,303,594	2,366,169,919	2,377,057,244	2,387,964,569	2,398,891,894	2,409,838,219	2,420,804,544	2,431,790,869	2,442,797,194	2,453,823,519	2,464,869,844	2,475,936,169	2,487,022,494	2,498,128,819	2,509,255,144	2,520,391,469	2,531,547,794	2,542,724,119	2,553,920,444	2,565,136,769	2,576,373,094	2,587,629,419	2,598,905,744	2,610,202,069	2,621,518,394	2,632,854,719	2,644,211,044	2,655,587,369	2,666,983,694	2,678,400,019	2,689,836,344	2,701,292,669	2,712,768,994	2,724,265,319	2,735,781,644	2,747,317,969	2,758,874,294	2,770,450,619	2,782,046,944	2,793,663,269	2,805,299,594	2,816,955,919	2,828,632,244	2,840,328,569	2,852,044,894	2,863,781,219	2,875,537,544	2,887,313,869	2,899,110,194	2,910,926,519	2,922,762,844	2,934,619,169	2,946,495,494	2,958,391,819	2,970,308,144	2,982,244,469	2,994,200,794	3,006,177,119	3,018,173,444	3,030,189,769	3,042,226,094	3,054,282,419	3,066,357,744	3,078,453,069	3,090,568,394	3,102,693,719	3,114,839,044	3,127,004,369	3,139,189,694	3,151,394,019	3,163,618,344	3,175,862,669	3,188,126,994	3,200,411,319	3,212,715,644	3,225,039,969	3,237,384,294	3,249,748,619	3,262,132,944	3,274,537,269	3,286,961,594	3,299,405,919	3,311,870,244	3,324,354,569	3,336,858,894	3,349,383,219	3,361,927,544	3,374,491,869	3,387,076,194	3,399,680,519	3,412,304,844	3,424,949,169	3,437,613,494	3,450,297,819	3,463,002,144	3,475,726,469	3,488,470,794	3,501,234,119	3,514,017,444	3,526,820,769	3,539,644,094	3,552,487,419	3,565,350,744	3,578,234,069	3,591,137,394	3,604,060,719	3,617,004,044	3,630,967,369	3,644,949,694	3,658,950,019	3,672,970,344	3,687,010,669	3,701,070,994	3,715,151,319	3,729,252,644	3,743,374,969	3,757,518,294	3,771,682,619	3,785,866,944	3,799,071,269	3,813,295,594	3,827,539,919	3,841,804,244	3,856,088,569	3,870,392,894	3,884,717,219	3,899,061,544	3,913,425,869	3,927,810,194	3,942,214,519	3,956,638,844	3,971,083,169	3,985,547,494	4,000,031,819	4,014,536,144	4,029,061,469	4,043,607,794	4,058,174,119	4,072,761,444	4,087,369,769	4,101,999,094	4,116,644,419	4,131,309,744	4,146,995,069	4,162,700,394	4,178,425,719	4,194,171,044	4,209,936,369	4,225,721,694	4,241,527,019	4,257,343,344	4,273,175,669	4,289,023,994	4,304,887,319	4,320,765,644	4,336,658,969	4,352,567,294	4,368,490,619	4,384,428,944	4,400,382,269	4,416,350,594	4,432,333,919	4,448,332,244	4,464,346,569	4,480,375,894	4,496,419,219	4,512,477,544	4,528,549,869	4,544,637,194	4,560,739,519	4,576,856,844	4,592,989,169	4,609,136,494	4,625,298,819	4,641,476,144	4,657,669,469	4,673,877,794	4,690,091,119	4,706,319,444	4,722,563,769	4,738,823,094	4,755,097,419	4,771,386,744	4,787,691,069	4,804,010,394	4,820,344,719	4,836,694,044	4,853,058,369	4,869,437,694	4,885,831,019	4,902,239,344	4,918,657,669	4,935,087,994	4,951,532,319	4,967,991,644	4,984,465,969	5,000,955,294	5,017,459,619	5,033,978,944	5,050,513,269	5,067,062,594	5,083,626,919	5,100,206,244	5,116,800,569	5,133,409,894	5,150,034,219	5,166,673,544	5,183,327,869	5,200,097,194	5,216,881,519	5,233,680,844	5,250,495,1
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Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
Retiree TY GR3 CR and GH1	467,256	479,931	476,956	457,902	440,685	423,940	407,620																			
Retiree TY GR and CR	391,862	443,002	477,874	475,937	456,173	438,377	422,344																			
Retiree TY GR and MC4	482,021	478,917	469,127	463,130	425,593	410,470	394,544																			
Retiree TY GR and TCI	447,256	479,931	476,956	457,902	440,685	423,940	407,620																			
Retiree TY GR CR and GH4	482,021	478,917	469,127	463,130	425,593	410,470	394,544																			
Retiree TY GR and MC3	447,256	479,931	476,956	457,902	440,685	423,940	407,620																			
Retiree TY GR CR and GH2	482,021	478,917	469,127	463,130	425,593	410,470	394,544																			
Retiree TY GR CR and MC1-2	460,135	458,684	441,415	424,708	417,201	421,341	417,647																			
Retiree TY GR CR and BR1-2	401,655	452,773	486,143	483,170	463,717	446,148	429,662																			
Retiree TY GR CR BR1-2 and MC1-2	457,973	507,807	540,573	536,929	515,480	494,527	475,492																			

New Unit Causal Delta

No Retirements

Retiree TY	-43,237	-43,471	-20,665	-7,130	-7,126	-7,203	-7,351																			
Retiree TY and GR3	2,616	20,287	33,091	36,017	35,468	35,032	33,346																			
Retiree TY GR3 and BR3	63,548	-5,656	-55,762	-68,876	-56,367	-34,316	-20,778																			
Retiree TY GR and CR4	45,601	27,258	-9,187	-25,769	-23,031	-22,207	-21,442																			
Retiree TY GR3 CR and CR6	17,947	33,014	-46,575	-43,668	-33,334	-31,108	-664																			
Retiree TY GR3 CR and BR1-2	-21,709	39,683	100,142	112,743	99,373	74,496	60,511																			
Retiree TY GR3 and CR	67,915	66,163	41,241	26,904	27,412	27,999	27,626																			
Retiree TY GR3 CR and GH3	59,510	57,887	33,093	18,885	19,520	20,256	19,991																			
Retiree TY GR and CR	4,116	21,358	34,012	36,920	35,069	34,622	34,715																			
Retiree TY GR CR and MC4	90,159	93,515	-17,747	-32,807	-29,581	-27,857	-27,800																			
Retiree TY GR CR and TCI	55,394	36,529	-918	-18,035	-15,489	-14,387	-14,723																			
Retiree TY GR CR and GH4	90,159	93,515	-17,747	-32,807	-29,580	-27,857	-27,800																			
Retiree TY GR CR and MC3	55,394	36,529	-918	-18,035	-15,489	-14,387	-14,724																			
Retiree TY GR CR and GH2	90,159	93,515	-17,747	-32,807	-29,580	-27,857	-27,800																			
Retiree TY GR CR and MC1-2	68,274	15,232	-36,459	-51,229	-38,973	-16,986	-4,696																			
Retiree TY GR CR and BR1-2	9,793	9,171	8,269	7,233	7,544	7,821	6,718																			
Retiree TY GR CR BR1-2 and MC1-2	56,318	55,234	54,430	53,759	51,742	48,380	46,431																			

New Controls Causal

No Retirements

Retiree TY	188,462	181,138	163,710	151,985	143,004	128,230	107,252	84,704	69,397	66,044	59,722	57,066	53,333	48,711	43,571	40,298	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY and GR3	183,860	176,009	159,534	147,971	139,133	119,511	103,686	81,291	66,136	62,936	56,767	54,263	50,019	47,465	42,931	39,185	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR3 and BR3	179,499	172,481	165,358	149,348	135,362	115,793	101,121	77,878	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR and CR4	172,796	162,860	149,080	137,852	123,369	110,169	94,534	75,793	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR3 CR and CR6	179,499	172,481	165,358	149,348	135,362	115,793	101,121	77,878	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR3 CR and BR1-2	179,499	172,481	165,358	149,348	135,362	115,793	101,121	77,878	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR3 and CR	179,499	172,481	165,358	149,348	135,362	115,793	101,121	77,878	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR3 CR and GH3	168,050	161,356	144,557	133,470	125,108	105,963	90,614	68,695	54,016	51,293	45,600	43,572	43,141	38,977	34,294	31,479	30,762	24,001	14,996	14,361	13,724	13,088	12,267	11,358	7,724
Retiree TY GR3 CR and GH1	170,915	164,288	147,556	136,536	128,242	108,164	91,429	71,878	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR and CR	173,282	166,556	149,725	138,607	132,738	113,398	97,855	75,742	62,876	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR CR and MC4	166,289	159,837	143,280	132,036	126,841	107,776	92,506	70,667	58,075	55,643	46,326	44,295	43,859	39,690	35,001	32,181	31,790	25,079	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR CR and GH4	162,613	156,205	139,693	128,693	123,342	104,321	89,097	67,302	54,754	50,726	46,326	44,295	43,859	39,690	35,001	32,181	31,790	25,079	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR CR and MC3	160,641	154,465	138,186	127,618	122,299	103,911	89,308	70,836	62,535	59,829	53,812	51,461	50,706	46,218	41,212	38,073	37,032	29,914	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR CR and GH2	146,827	140,737	124,543	114,601	108,019	90,126	75,219	58,742	41,513	39,102	33,722	32,007	31,889	28,038	23,668	21,166	20,762	14,280	5,232	0	0	0	0	0	0
Retiree TY GR CR and MC1-2	123,761	119,516	115,271	111,027	106,661	101,938	92,635	78,762	57,411	45,308	43,023	37,768	36,179	36,187	34,772	33,358	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724
Retiree TY GR CR and BR1-2	149,616	143,652	137,683	117,027	112,121	93,943	78,762	57,411	45,308	43,023	37,768	36,179	36,187	34,772	33,358	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	
Retiree TY GR CR BR1-2 and MC1-2	100,094	96,612	93,123	89,647	86,044	82,362	73,542	51,489	45,308	43,023	37,768	36,179	36,187	34,772	33,358	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	

New Controls Causal Delta

No Retirements

Retiree TY	-4,481	-4,329	-4,176	-4,023	-3,871	-3,718	-3,566	-3,413	-3,260	-3,108	-2,955	-2,803	-2,651	-2,498	-2,346	-2,193	-2,041	-1,888	-1,735	-1,582	-1,429	-1,276	-1,123	0	0
Retiree TY and GR3	-4,481	-4,329	-4,176	-4,023	-3,871	-3,718	-3,566	-3,413	-3,260	-3,108	-2,955	-2,803	-2,651	-2,498	-2,346	-2,193	-2,041	-1,888	-1,735	-1,582	-1,429	-1,276	-1,123	0	0
Retiree TY GR3 and BR3																									

Discount Rate:

2058

2057

2056

2055

2054

2053

2052

2051

2050

2049

2048

2047

2046

2045

2044

2043

2042

2041

2040

2039

2038

2037

2036

2035

2034

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
MTP Capital																										
No Retirements	139,965	145,108	150,899	156,087	161,351	166,658	172,046																			
Retire TY	136,574	142,204	147,882	152,995	158,182	163,409	168,716																			
Retire TY and GR3	135,423	141,005	146,635	151,700	156,839	162,032	167,305																			
Retire TY GR3 and BR3	137,387	143,518	149,793	155,968	162,193	168,418	174,643																			
Retire TY GR3 and CR4	133,199	138,717	144,390	149,295	154,374	159,506	164,715																			
Retire TY GR3 CR4 and CR6	129,752	135,173	140,657	145,572	150,558	155,594	160,706																			
Retire TY GR3 CR4 CR6 and BR1-2	124,491	129,705	134,960	139,644	144,356	148,987	154,070																			
Retire TY GR3 CR4 CR6 and CR	127,312	132,692	138,115	142,966	147,866	152,866	157,899																			
Retire TY GR3 CR and GR3	112,482	117,220	121,894	126,351	130,631	134,939	139,312																			
Retire TY GR3 CR and GR4	112,636	117,381	122,162	126,365	130,631	134,939	139,312																			
Retire TY GR3 CR and GR5	125,703	131,017	136,373	141,157	146,010	150,933	155,928																			
Retire TY GR CR and MCA	111,099	115,823	120,587	124,977	129,425	133,934	138,504																			
Retire TY GR CR and TCI	122,417	127,586	132,786	137,432	142,136	146,907	151,749																			
Retire TY GR CR and G4	110,903	115,577	120,286	124,417	128,609	132,865	137,185																			
Retire TY GR CR and MCA	113,792	118,562	123,433	127,894	132,416	136,999	141,645																			
Retire TY GR CR and G4	110,749	115,415	120,118	124,242	128,428	132,676	136,989																			
Retire TY GR CR and G4	107,211	111,778	116,384	120,669	125,010	129,409	133,865																			
Retire TY GR CR and MCL-2	120,462	125,548	130,676	135,229	139,849	144,536	149,293																			
Retire TY GR CR and BR1-2	101,970	106,310	110,687	114,741	118,848	123,011	127,229																			

MTP Capital Delta

No Retirements	-2,790	-2,904	-3,017	-3,092	-3,170	-3,249	-3,330																			
Retire TY	-1,152	-1,199	-1,247	-1,295	-1,343	-1,377	-1,411																			
Retire TY and GR3	-8,136	-8,488	-8,843	-9,202	-9,564	-9,930	-10,300																			
Retire TY GR3 and BR3	-2,233	-2,289	-2,346	-2,403	-2,465	-2,526	-2,589																			
Retire TY GR3 CR4 and CR6	-3,457	-3,544	-3,632	-3,723	-3,816	-3,912	-4,009																			
Retire TY GR3 CR4 CR6 and BR1-2	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635																			
Retire TY GR3 CR and GR3	-2,420	-2,481	-2,543	-2,606	-2,671	-2,738	-2,807																			
Retire TY GR3 CR and G4	-14,831	-15,472	-16,121	-16,775	-17,437	-18,106	-18,782																			
Retire TY GR3 CR and G4	-14,676	-15,311	-15,953	-16,601	-17,256	-17,918	-18,587																			
Retire TY GR CR and CR	-1,609	-1,675	-1,742	-1,809	-1,876	-1,923	-1,971																			
Retire TY GR CR and MCA	-14,604	-15,194	-15,786	-16,180	-16,595	-16,999	-17,424																			
Retire TY GR CR and TCI	-3,286	-3,493	-3,577	-3,725	-3,875	-4,026	-4,180																			
Retire TY GR CR and G4	-14,800	-15,440	-16,087	-16,741	-17,401	-18,069	-18,745																			
Retire TY GR CR and MCA	-11,971	-12,495	-12,940	-13,263	-13,595	-13,934	-14,283																			
Retire TY GR CR and G4	-14,954	-15,601	-16,255	-16,915	-17,583	-18,257	-18,939																			
Retire TY GR CR and MCL-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063																			
Retire TY GR CR and BR1-2	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635																			
Retire TY GR CR BR1-2 and MCL-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063																			

Landfill Capital

No Retirements	115,469	117,869	118,900	120,220	121,001	121,820	122,686																			
Retire TY	115,469	117,869	118,900	120,220	121,001	121,820	122,686																			
Retire TY and GR3	113,987	115,506	116,778	118,151	119,123	119,991	120,854																			
Retire TY GR3 and BR3	113,721	115,150	116,208	117,208	117,912	118,512	119,112																			
Retire TY GR3 CR4 and CR6	110,944	113,467	114,588	115,967	116,957	117,599	118,234																			
Retire TY GR3 CR4 CR6 and BR1-2	109,989	112,609	114,445	115,745	116,498	117,234	117,961																			
Retire TY GR3 CR and CR	109,049	111,674	112,754	114,016	114,916	115,727	116,481																			
Retire TY GR3 CR and G4	89,473	91,157	92,945	94,799	96,299	97,546	98,562																			
Retire TY GR3 CR and G4	89,473	91,157	92,945	94,799	96,299	97,546	98,562																			
Retire TY GR3 CR and CR	109,049	111,674	112,754	114,016	114,916	115,727	116,481																			
Retire TY GR CR and MCA	109,049	111,674	112,754	114,016	114,916	115,727	116,481																			
Retire TY GR CR and G4	97,383	100,281	101,723	103,285	104,285	105,285	106,285																			
Retire TY GR CR and G4	89,514	91,959	94,141	96,141	97,814	99,141	100,285																			
Retire TY GR CR and MCA	109,049	111,674	112,754	114,016	114,916	115,727	116,481																			
Retire TY GR CR and G4	89,310	90,986	92,417	93,588	94,417	95,088	95,688																			
Retire TY GR CR and MCL-2	109,049	111,674	112,754	114,016	114,9																					

Table with columns for years from 2034 to 2056 and rows for retirement scenarios like 'Existing Unit Fixed O&M Delta', 'No Retirements', and 'New Controls Fixed O&M Delta'. Values represent financial metrics for various retirement types and control scenarios.

Discount Rate:

Table with columns for years 2024 through 2058 and rows for various retirement scenarios such as Retiree TY and GR3, Retiree TY GR3 and CR4, etc.

Total Revenue Requirements Delta

Table showing Total Revenue Requirements Delta for various retirement scenarios from 2024 to 2058.

Total Revenue Requirements Cumulative D

Table showing Total Revenue Requirements Cumulative Delta for various retirement scenarios from 2024 to 2058.

System SO2 Emissions Expense

Table showing System SO2 Emissions Expense for various retirement scenarios from 2024 to 2058.

Discount Rate:

2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069

Retire TY and GR3	3,657,705	3,646,833	3,598,985	3,588,602	4,066,642	4,076,685	4,252,694
Retire TY GR3 and BR3	3,769,101	3,893,318	3,967,240	4,059,495	4,177,007	4,227,157	4,387,913
Retire TY GR3 and CR4	3,755,138	3,879,580	3,928,490	4,007,559	4,097,749	4,105,342	4,302,782
Retire TY GR3 CR6 and GR6	3,779,235	3,901,561	3,974,837	4,060,199	4,160,007	4,223,872	4,415,921
Retire TY GR3 CR6 and BR1-2	3,820,115	4,094,937	4,103,741	4,187,681	4,276,183	4,312,577	4,512,155
Retire TY GR3 and CR	3,820,952	4,096,749	4,071,434	4,169,619	4,249,661	4,293,979	4,491,489
Retire TY GR3 and GH3	4,054,121	4,165,701	4,216,871	4,334,363	4,492,575	4,511,726	4,715,232
Retire TY GR3 CR and GH1	3,811,098	4,123,936	4,216,505	4,315,718	4,449,615	4,492,889	4,719,743
Retire TY GR and CR	3,995,094	4,147,560	4,208,200	4,276,223	4,386,334	4,484,028	4,884,770
Retire TY GR and MC4	4,011,987	4,133,568	4,223,228	4,305,415	4,418,573	4,455,057	4,884,926
Retire TY GR CR and TC1	4,000,437	4,147,898	4,193,487	4,337,252	4,459,384	4,506,032	4,715,244
Retire TY GR CR and GH4	3,990,837	4,095,053	4,201,079	4,290,598	4,396,509	4,437,389	4,667,087
Retire TY GR CR and MC3	3,977,937	4,122,522	4,201,523	4,295,078	4,424,905	4,472,961	4,658,646
Retire TY GR CR and GH2	3,979,203	4,119,727	4,212,037	4,340,567	4,459,450	4,556,874	4,774,911
Retire TY GR CR and MC1-2	3,848,446	4,066,697	4,130,752	4,229,131	4,320,546	4,366,861	4,585,820
Retire TY GR CR BR1-2 and MC1-2	4,031,148	4,264,791	4,349,392	4,478,317	4,588,889	4,658,022	4,884,658

Total RR Minus Emissions Expense Delta

No Retirements	47,091	-30,085	-25,385	-37,020	-14,414	43,765	-10,560
Retire TY	-5,694	45,029	41,757	14,023	7,511	5,248	-4,332
Retire TY GR3 and BR3	11,336	44,465	53,255	70,893	101,364	148,432	185,229
Retire TY GR3 and CR4	97,433	271,488	19,505	19,557	29,107	26,457	50,098
Retire TY GR3 CR4 and CR6	24,087	25,591	46,347	51,640	67,238	116,031	131,199
Retire TY GR3 CR6 and BR1-2	42,890	339,976	328,904	327,482	316,176	89,404	96,233
Retire TY GR3 and CR	41,727	105,188	96,597	109,420	89,654	70,206	75,567
Retire TY GR3 CR and GH3	21,316	159,452	175,487	164,743	175,914	218,347	223,749
Retire TY GR3 CR and GH1	195,528	122,647	165,070	156,098	199,954	199,520	228,253
Retire TY GR and CR	-9,853	14,781	9,062	8,577	4,330	7,059	-5,267
Retire TY GR CR and MC4	173,936	126,530	127,704	148,076	137,943	188,590	198,549
Retire TY GR CR and TC1	200,888	112,938	147,732	127,268	164,583	159,619	198,705
Retire TY GR CR and GH4	189,389	121,867	112,991	149,106	185,393	210,594	229,022
Retire TY GR CR and MC3	179,759	78,022	111,583	112,452	142,519	141,951	175,866
Retire TY GR CR and GH2	166,259	107,892	121,437	116,932	170,914	171,523	172,425
Retire TY GR CR and MC1-2	168,104	98,697	131,540	167,421	205,460	261,436	288,699
Retire TY GR CR and BR1-2	373,347	45,657	50,256	50,985	66,956	71,423	79,588
Retire TY GR CR BR1-2 and MC1-2	162,702	198,105	218,640	249,185	267,952	294,160	319,678

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

New Joint Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CH4
 Retire TY GR3 CR4 and CH6
 Retire TY GR3 CR4 CH6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

New Controls Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CH4
 Retire TY GR3 CR4 and CH6
 Retire TY GR3 CR4 CH6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

New Controls Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CH4
 Retire TY GR3 CR4 and CH6
 Retire TY GR3 CR4 CH6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTP Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2053 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

Water Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

Water Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MCA
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCA
 Retire TY GR CR and GH2
 Retire TY GR CR and MCA-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCA-2

Total Capital

No Retirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY and GR3 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 and BR3 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 and CR4 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 CR4 and CR6 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 CR4 CR6 and BR1-2 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 and CR 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 CR and GH3 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR3 CR and GH1 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR and CR 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and MCA 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and TCI 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and GH4 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and MCA 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and GH2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and MCA-2 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR and BR1-2 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
 Retire TY GR CR BR1-2 and MCA-2 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Total Capital Delta

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR BR1-2 and MC1-2

Existing Unit Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR BR1-2 and MC1-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2

Total Resource Requirements

No Retirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

System Annual NOx Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

System Ozone NOx Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

System Total Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCL-2

Total BR Minus Emissions Expense

No Retirements
Retire TY

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2071 2072 2073 2074 2075 2076 2077 2078

- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCA-2
- Retire TY GR CR and BR1-2
- Retire TY CR CR BR1-2 and MCA-2

Total RR Minus Emissions Excesses Delta

- No Refirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCA-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCA-2

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135		
BR	BR2	6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383		
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279		
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560		
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546		
CR	CR6	10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159		
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240		
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372		
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138		
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659		
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640		
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167		
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389		
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664		
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278		
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308		
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512		
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541		

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$:

Table with columns: BR, Month, Year, Equipment, 2028-2040, BR, Month, Year, Equipment, 2028-2040. The table lists various equipment types like PFFF/PAC and SAM Mitigation across multiple years from 2014 to 2040, with corresponding values in dollars.

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147	
BR	BR2	167	114	423	571	1,139	1,275	1,408	1,539	1,667	1,794	1,922	2,051	2,181	2,312	2,446	2,579	2,714	2,850	2,988	3,126	3,266	3,407	3,550	3,696	3,846	3,997	4,151	4,308
BR	BR3	416	285	675	1,053	1,786	2,433	2,983	3,493	3,969	4,416	4,838	5,236	5,611	5,964	6,296	6,608	6,900	7,174	7,441	7,699	7,949	8,192	8,429	8,662	8,892	9,119	9,353	9,584
CR	CR4	155	77	204	327	447	564	678	789	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,023	2,073	2,123	2,173	2,223	2,273	2,323	2,373
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,193	2,247	2,304	2,361	2,420	2,481	2,543	
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,026	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,200	3,351	3,500	3,648	3,795	3,941	4,086	
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,221	9,814	10,402	10,995	11,594	12,199	12,809	13,425	14,048	14,676	15,311	15,953	
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,405	9,999	10,599	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255	
GH	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121	
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,886	10,469	11,058	11,652	12,252	12,857	13,467	14,081	14,699	15,321	15,947	
GR	GR5	68	39	96	151	205	256	309	360	410	458	506	555	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247	1,294
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742	
MC	MC1	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027	
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,555	5,916	6,279	6,642	7,007	7,373	7,739	8,106	8,475	8,845	9,216	9,588	9,961	
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,753	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940	
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,265	12,846	13,430	14,016	14,604	15,194	15,786	
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577	
TC	TC2	549	166	386	549	712	875	1,038	1,201	1,364	1,527	1,690	1,853	2,016	2,179	2,342	2,505	2,668	2,831	2,994	3,157	3,320	3,483	3,646	3,809	3,972	4,135	4,298	
TY	TY3	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017	

2.50% Capital Exclusion Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036													
			\$000																																						
2021 TY													120	175	165	157	149	141	134	127	120	113	106	99	93	90	87	84													
2022 TY				126	179	169	161	152	145	138	130	123	116	108	101	96	93	89	89																						
2023 TY																																									
2024 TY				129	184	174	165	156	149	141	134	126	119	111	104	98	95	95																							
2025 TY																																									
2026 TY																																									
2027 TY				132	188	178	169	160	152	145	137	129	122	114	106	101	101																								
2028 TY																																									
2029 TY																																									
2030 TY																																									
2031 TY																																									
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2036 TY																																									
2037 TY																																									
2038 TY																																									
2039 TY																																									
2040 TY																																									

Station	Unit	Capacity	2037	2038	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	2,234	2,322	2,411	2,446	2,340	2,239	2,145	2,055	1,969	1,867	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,859	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,202	9,564	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,769	7,439	7,119	6,808	6,505	6,210	5,925	5,650	5,385	5,130	4,885	4,650	4,425
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,392	2,292	2,192	2,092	1,992	1,892	1,792	1,692	1,592	1,492	1,392	1,292	1,192	1,092	1,000	910	820
CR	CR5	240	3,723	3,816	3,912	4,009	3,858	3,549	3,252	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	632	485	340	200
CR	CR6	475	16,601	17,256	18,037	18,193	17,419	16,688	15,934	14,702	14,028	14,098	13,375	12,686	12,033	11,415	10,834	10,291	9,770	9,256	8,749	8,249	7,755	7,269
GH	GH1	484	16,915	17,583	18,357	18,939	17,749	17,004	16,297	15,624	14,981	14,365	13,728	13,072	12,461	11,891	11,359	10,866	10,412	9,987	9,591	9,214	8,856	8,507
GH	GH2	480	16,775	17,437	18,106	18,782	17,602	16,863	16,163	15,495	14,857	14,246	13,516	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,837	7,346
GH	GH3	479	16,741	17,401	18,069	18,743	17,565	16,828	16,129	15,463	14,826	14,217	13,488	12,793	12,134	11,511	10,925	10,378	9,853	9,334	8,823	8,318	7,811	7,311
GR	GR4	68	1,295	1,343	1,377	1,411	1,364	1,283	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373
GR	GR5	95	1,809	1,876	1,923	1,971	1,906	1,790	1,680	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	898	832	767	704	641	580	521
MC	MC1	303	10,278	10,535	10,798	11,068	10,698	10,220	9,735	9,246	8,754	8,260	7,764	7,268	6,773	6,279	5,785	5,292	4,800	4,308	3,816	3,324	2,832	2,340
MC	MC2	301	10,210	10,465	10,727	10,995	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,894	3,515	3,152	2,798	2,414
MC	MC3	301	13,263	13,595	13,934	14,283	13,805	12,913	11,301	10,000	9,005	8,102	7,285	6,548	5,905	5,305	4,747	4,222	3,722	3,245	2,790	2,356	1,943	1,540
MC	MC4	477	16,180	16,585	16,999	17,424	16,844	15,775	14,758	13,787	12,856	11,962	11,104	10,282	9,498	8,752	8,045	7,379	6,754	6,156	5,570	4,996	4,434	3,886
TC	TC1	383	3,725	3,875	4,026	4,180	4,093	3,927	3,771	3,623	3,483	3,349	3,222	3,101	2,986	2,878	2,777	2,682	2,596	2,515	2,426	2,339	2,259	2,188
TC	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,842	3,706	3,573	3,443	3,319	3,199	3,083
TY	TY3	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749
2011 MC			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012 MC			670	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 MC			728	687	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 MC			789	747	704	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015 MC			853	809	765	722	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 MC			919	874	829	784	740	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017 MC			987	942	896	850	804	758	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018 MC			1,059	1,012	965	918	871	824	777	730	683	636	589	542	495	448	401	354	307	260	213	166	119	72
2019 MC			1,134	1,086	1,037	989	941	893	845	797	750	702	654	606	558	510	462	414	366	318	270	222	174	126
2020 MC			1,212	1,162	1,113	1,063	1,014	965	915	866	816	767	718	669	620	571	522	473	424	375	326	277	228	179
2021 MC			1,292	1,242	1,191	1,141	1,090	1,039	989	939	887	837	787	737	687	637	587	537	487	437	387	337	287	237
2022 MC			1,377	1,325	1,273	1,221	1,169	1,117	1,065	1,013	962	910	858	806	754	702	650	598	546	494	442	390	338	286
2023 MC			1,464	1,411	1,358	1,305	1,252	1,198	1,145	1,092	1,039	986	932	879	825	771	717	663	609	555	501	447	393	339
2024 MC			1,555	1,501	1,446	1,392	1,337	1,283	1,228	1,174	1,119	1,065	1,010	956	901	846	791	736	681	626	571	516	461	406
2025 MC			1,683	1,594	1,508	1,483	1,427	1,371	1,315	1,259	1,203	1,147	1,091	1,035	980	924	868	812	756	700	644	588	532	476
2026 MC			1,848	1,725	1,634	1,577	1,520	1,462	1,405	1,348	1,290	1,233	1,176	1,119	1,061	1,004	947	890	833	776	719	662	605	548
2027 MC			2,021	1,894	1,768	1,675	1,616	1,558	1,499	1,440	1,381	1,323	1,264	1,205	1,147	1,088	1,029	970	911	852	793	734	675	616
2028 MC			2,201	2,072	1,942	1,812	1,717	1,657	1,597	1,536	1,476	1,416	1,356	1,296	1,235	1,175	1,115	1,055	995	935	875	815	755	695

2.50%

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY	81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY	86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY	92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0	0
	2024 TY	97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0	0
	2025 TY	103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0	0
	2026 TY	112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0	0
	2027 TY	123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0	0
	2028 TY	134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0	0
	2029 TY	146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0	0
	2030 TY	159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0	0
	2031 TY	172	163	154	145	136	129	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY	186	176	167	158	148	139	133	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0	0
	2033 TY	200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0	0
	2034 TY	216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	0	0
	2035 TY	234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78	0
	2036 TY	253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85	0
	2037 TY	278	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92	0
	2038 TY	182	182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	0
	2039 TY		187		273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106	0
	2040 TY				192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114	0

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
	BR Landfill O&M Savings		4,256	4,384	4,515	4,651									
	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
BR	BRL	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	2036	
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	954	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	2035	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	0	2034	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	2033	
CR	CR5	168	0	0	0	1,062	1,715	1,619	1,532	1,451	1,375	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	2032	
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,248	1,193	1,137	1,082	1,026	970	915	0	0	0	0	2031	
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821	2030	
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837	810	2029
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830	803	2028
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828	801	2027
GR	GR3	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	2026	
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	2025	
MC	MC1	303	0	0	0	1,215	1,774	1,692	1,612	1,538	1,468	1,400	1,332	1,264	1,196	1,128	1,060	1,027	989	950	911	872	833	794	755	716	677	638	600	2024
MC	MC2	391	0	0	0	1,568	2,289	2,171	2,065	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808	767	2023
MC	MC3	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	945	2022
TC	TC1	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	2021	
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	2020	
TY	TY3	71	0	0	0	586	857	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	2019	
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	2018	
CRWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	2,015	1,884	1,753	1,622	1,491	2017
MCWATER			0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	2,885	2016
TCWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	1,041	2015
GRWATER			0	0	0	5,902	7,692	7,495	7,335	7,200	7,086	6,981	6,876	6,771	6,666	6,561	6,456	6,351	6,246	6,141	6,036	5,931	5,826	5,721	5,616	5,511	5,406	5,301	5,196	2014
MCWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,060	1,019	1,015	1,011	1,007	1,003	1,000	996	992	988	984	980	2013
MCWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2012	
MCWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2011	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	66	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	585	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER			2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0
CRWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER			2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER			1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0
GRWATER			3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0
GRWATER			706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCICCOOL			1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SORTED TABLE

Row	Coal Units in Portfolio														Portfolio PVR 2011 to 2040 (\$Million)			
	Trimble County 2	Trimble County 1	Mill Creek 3	Mill Creek 4	Ghent 1	Ghent 2	Ghent 3	Ghent 4	Brown 3	Mill Creek 1-2	Brown 1-2	Green River 4	Cane Run 5	Cane Run 6		Cane Run 4	Green River 3	Tyrone 3
1	X	X	X	X	X	X	X	X	X	X	X	X	X					41,699
2	X	X	X	X	X	X	X	X	X	X	X	X						41,793
3	X	X	X	X	X	X	X	X	X	X	X	X	X					41,979
4	X	X	X	X	X	X	X	X	X	X	X	X						42,003
5	X	X	X	X	X	X	X	X	X	X	X							42,037
6	X	X	X	X	X	X	X	X	X	X								42,054
7	X	X	X	X	X	X	X	X	X	X	X	X	X					42,124
8	X	X	X	X	X	X	X	X	X	X	X	X	X	X				42,179
9	X	X	X	X	X	X	X	X	X	X	X							42,272
10	X	X	X	X	X	X	X	X	X	X	X							42,299
11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			42,307
12	X	X	X	X	X	X	X	X	X	X	X							42,338
13	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		42,446
14	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,504
15	X	X	X	X	X	X	X	X	X	X	X	X						42,513
16	X	X	X	X	X	X	X	X	X	X	X							42,548
17	X	X	X	X	X	X	X	X	X	X	X							42,559
18	X	X	X	X	X	X	X	X	X	X	X	X	X					42,588
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		42,701

Coal Units in Portfolio

	Trimble County 2	Trimble County 1	Mill Creek 3	Mill Creek 4	Ghent 1	Ghent 2	Ghent 3	Ghent 4	Brown 3	Mill Creek 1-2	Brown 1-2	Green River 4	Cane Run 5	Cane Run 6	Cane Run 4	Green River 3	Tyrone 3	Portfolio PVRR 2011 to 2040 (\$Million)
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,504
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,446
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,307
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,701
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,179
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,124
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	41,979
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,003
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,588
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,513
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	41,793
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,299
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,548
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,559
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,272
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,338
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,037
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	41,699
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	42,054

Retire: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18

No. Retirements	TY	TY GR3	TY GR3 BR3	TY GR3 CR4	TY GR3 CR4 CR6	TY GR3 CR4 CR6 BR1-2	TY GR3 CR	TY GR3 CR GH1	TY GR CR MCA	TY GR CR ICI	TY GR CR GH4	TY GR CR MCB	TY GR CR GH2	TY GR CR MCL-2	TY GR CR BR1-2	TY GR CR BR1-2 MCL-2
2010																
2011																
2012																
2013																
2014																
2015																
2016	3x1C(1)	2x1C(1)	3x1C(1)	2x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(2)	3x1C(1)	3x1C(1)	3x1C(2)	3x1C(1)	3x1C(2)	3x1C(2)	3x1C(1)	3x1C(2)
2017	3x1C(1)															
2018																
2019																
2020		2x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	3x1C(1)	2x1C(1)	3x1C(1)
2021																
2022																
2023																
2024	3x1C(1)	3x1C(1)														
2025																
2026																
2027																
2028																
2029																
2030	2x1C(1)	3x1C(1)														
2031																
2032																
2033																
2034																
2035	2x1C(1)															
2036																
2037																
2038																
2039	SCCT(1)	SCCT(1)														
2040																

Discount Rate: 6.71%

New Unit Capital Land and Production Cost

No Retirements

Table with columns: Year (2011-2033), \$M, NEVBR, and various unit types like Retire TV GR3 CR and GH1.

Production Cost

No Retirements

Table with columns: Year (2011-2033), \$M, NEVBR, and various unit types like Retire TV GR3 CR and GH1.

Production Cost Delta

No Retirements

Table with columns: Year (2011-2033), \$M, NEVBR, and various unit types like Retire TV GR3 CR and GH1.

New Unit Capital

No Retirements

Table with columns: Year (2011-2033), \$M, NEVBR, and various unit types like Retire TV GR3 CR and GH1.

Discount Rate: 6.71%

Table with columns: SM, H2R, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include Retire TY GR CR and GH1, Retire TY GR and CR, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and CH4, Retire TY GR CR and CH2, Retire TY GR CR and MCL-2, Retire TY GR CR and MCL-2 and MCL-2.

New Unit Control Details

Table with columns: No Retirements, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include Retire TY GR and GH3, Retire TY GR and BR3, Retire TY GR and CH4, Retire TY GR CR and CH6 and BR1-2, Retire TY GR CR and CH2, Retire TY GR CR and GH3, Retire TY GR CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and CH4, Retire TY GR CR and MCL-2, Retire TY GR CR and MCL-2 and MCL-2.

New Controls Capital

Table with columns: No Retirements, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include Retire TY GR and GH3, Retire TY GR and BR3, Retire TY GR and CH4, Retire TY GR CR and CH6 and BR1-2, Retire TY GR CR and CH2, Retire TY GR CR and GH3, Retire TY GR CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and CH4, Retire TY GR CR and MCL-2, Retire TY GR CR and MCL-2 and MCL-2.

New Controls Capital Delta

Table with columns: No Retirements, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033. Rows include Retire TY GR and GH3, Retire TY GR and BR3, Retire TY GR and CH4, Retire TY GR CR and CH6 and BR1-2, Retire TY GR CR and CH2, Retire TY GR CR and GH3, Retire TY GR CR and GH1, Retire TY GR CR and MCA, Retire TY GR CR and TCI, Retire TY GR CR and CH4, Retire TY GR CR and MCL-2, Retire TY GR CR and MCL-2 and MCL-2.

Discount Rate:

KFSO Bid Data Request - Case 3 (\$30/ton CO2 Price)

6.71%

SM 5000 2011 2012 2013 2014 2015 2016 2017 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 2028 2029 2030 2031 2032

Table with columns for SM (5000), years (2011-2032), and rows for various retirement scenarios (e.g., Retire TY and GR3, Retire TY and GR4).

Total Revenue Requirements Delta

Summary table for Total Revenue Requirements Delta, including rows for 'No Retirements', 'Retire TY and GR3', and 'Retire TY and GR4'.

Total Revenue Requirements Cumulative Delta

Summary table for Total Revenue Requirements Cumulative Delta, including rows for 'No Retirements', 'Retire TY and GR3', and 'Retire TY and GR4'.

System SO2 Emissions Excess

Table showing System SO2 Emissions Excess for various retirement scenarios across years 2011-2032.

Table with 32 columns (years 2000-2033) and 1 row (Retire TY GR CR and TC1) showing values from 337 to 20,661.

Table with 32 columns (years 2000-2033) and 12 rows (System Annual NOx Emissions Expense) showing values from 123 to 9,985.

Table with 32 columns (years 2000-2033) and 12 rows (System Oxide NOx Emissions Expense) showing values from 124 to 9,985.

Table with 32 columns (years 2000-2033) and 12 rows (System Total Emissions Expense) showing values from 590 to 9,985.

Table with 1 row (Total LRR Minus Emissions Expense) showing values from 42,504 to 9,985.

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

Table with 23 columns (years) and multiple rows for 'Retire TY GR and CR' and 'Water Capital'.

Water Capital

Table with 23 columns (years) and multiple rows for 'No Retirements' and 'Water Capital Delta'.

Total Capital

Table with 23 columns (years) and multiple rows for 'No Retirements' and 'Total Capital Delta'.

Total Capital Delta

Table with 23 columns (years) and one row for 'Total Capital Delta'.

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Data

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

New Unit Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR and CR
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

New Controls Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

New Controls Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTP Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
No Refirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7.071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Refirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCI

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MCL-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MCL-2

Retirement O&M Cost Delta

No Refirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Retire TY GR CR and MC4

Retire TY GR CR and TCI

Retire TY GR CR and GH4

Retire TY GR CR and MC3

Retire TY GR CR and GH2

Retire TY GR CR and MCL-2

Retire TY GR CR and BR1-2

Retire TY GR CR BR1-2 and MCL-2

Existing Unit Fixed O&M

No Refirements

Retire TY

Retire TY and GR3

Retire TY GR3 and BR3

Retire TY GR3 and CR4

Retire TY GR3 CR4 and CR6

Retire TY GR3 CR4 CR6 and BR1-2

Retire TY GR3 and CR

Retire TY GR3 CR and GH3

Retire TY GR3 CR and GH1

Retire TY GR and CR

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY CR CR and MCA
 Retire TY CR CR and TCL
 Retire TY CR CR and GH4
 Retire TY CR CR and MCA
 Retire TY CR CR and GH2
 Retire TY CR CR and MCL-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MCL-2

Existing Unit Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY CR and CR
 Retire TY CR CR and MCA
 Retire TY CR CR and TCL
 Retire TY CR CR and GH4
 Retire TY CR CR and MCA
 Retire TY CR CR and GH2
 Retire TY CR CR and MCL-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MCL-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY CR and CR
 Retire TY CR CR and MCA
 Retire TY CR CR and TCL
 Retire TY CR CR and GH4
 Retire TY CR CR and MCA
 Retire TY CR CR and GH2
 Retire TY CR CR and MCL-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MCL-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY CR and CR
 Retire TY CR CR and MCA
 Retire TY CR CR and TCL
 Retire TY CR CR and GH4
 Retire TY CR CR and MCA
 Retire TY CR CR and GH2
 Retire TY CR CR and MCL-2
 Retire TY CR CR and BR1-2
 Retire TY CR CR BR1-2 and MCL-2

Total Revenue Requirements

No Retirements 7.071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2053 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Ozone NOx Emissions Excess

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total BR1 Minus Emissions Excess

No Retirements
 Retire TY

Discount Rate:

	2053	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CH4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCI																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Total BR Minus Emissions Expense Delta

No Retirements																				
Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCI																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MC1-2																				
Retire TY GR CR and BR1-2																				
Retire TY GR CR BR1-2 and MC1-2																				

Table with columns: Station, Unit, and 49 numerical columns. The data consists of numerical values for various station-unit combinations across the 49 columns.

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1		3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	
BR	BR2		6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	
BR	BR3		15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	
CR	CR4		14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	
CR	CR5		11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	
CR	CR6		10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	
GH	GH1		17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	
GH	GH2		12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	
GH	GH3		17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	
GH	GH4		11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	
GR	GR3		4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	
GR	GR4		7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	
MC	MC1		11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	
MC	MC2		16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	
MC	MC3		18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	
MC	MC4		16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	
TC	TC1		17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	
TY	TY3		410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541	

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036						
	2021 TY		175										113	106	99	93	90	87	84															
	2022 TY		123										123	116	108	101	96	93	89															
	2023 TY			126									134	126	119	111	104	98	95															
	2024 TY				129								145	137	129	122	114	106	101															
	2025 TY					132							152	148	140	133	125	117	109															
	2026 TY						136						164	156	144	136	128	120	117															
	2027 TY							139					168	160	152	144	136	128	120															
	2028 TY								143				182	172	164	156	148	139	131															
	2029 TY									146			192	182	172	164	156	148	139	131														
	2030 TY										146		208	196	186	177	168	160	151	143														
	2031 TY											150	218	206	196	186	177	168	160	151	143													
	2032 TY													154	146	137	128	120	117															
	2033 TY														157	146	137	128	120															
	2034 TY															161	151	143	131															
	2035 TY																165	155	145															
	2036 TY																	169	159															
	2037 TY																																	
	2038 TY																																	
	2039 TY																																	
	2040 TY																																	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRL	101	2,234	2,322	2,411	2,501	2,446	2,340	2,239	2,145	1,969	1,867	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,839	3,986	4,135	4,045	3,868	3,703	3,546	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,402	9,564	9,730	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,829	7,569	7,326	7,098	6,884	6,683	6,494	6,317	6,152	6,000	5,859	5,730
CR	CR4	155	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,072	1,893	1,733	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103
CR	CR6	240	3,723	3,816	3,912	4,009	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148
GH	GH1	475	16,602	17,256	17,918	18,587	18,193	17,419	16,688	15,994	14,702	14,098	13,375	12,686	12,033	11,415	10,834	10,291	9,770	9,256	8,749	8,249	7,755	7,269
GH	GH2	484	16,935	17,583	18,237	18,939	18,537	17,749	17,004	16,297	15,624	14,981	14,365	13,628	12,927	12,261	11,631	11,039	10,466	9,956	9,422	8,915	8,405	7,902
GH	GH3	480	16,775	17,437	18,106	18,782	18,384	17,602	16,863	16,129	15,463	14,826	14,217	13,488	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,846
GH	GH4	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,463	14,826	14,217	13,488	12,820	12,159	11,535	10,948	10,399	9,873	9,354	8,841	8,336	7,846
GR	GR3	68	1,295	1,343	1,377	1,411	1,364	1,281	1,203	1,128	1,056	988	922	860	801	745	692	643	595	549	504	459	415	373
GR	GR4	95	1,809	1,876	1,923	1,971	1,906	1,790	1,680	1,575	1,476	1,380	1,288	1,201	1,118	1,040	967	898	832	767	704	641	580	521
MC	MCL	303	10,270	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,538	3,173	2,817	2,468
MC	MC2	301	10,210	10,465	10,727	10,985	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452
MC	MC3	391	13,263	13,595	13,924	14,283	13,805	12,951	12,097	11,301	10,538	9,805	9,102	8,428	7,785	7,174	6,595	6,048	5,526	5,046	4,565	4,095	3,635	3,185
MC	MC4	477	16,180	16,585	16,999	17,424	16,841	15,775	14,758	13,787	12,866	11,904	10,922	9,986	9,082	8,205	7,379	6,594	5,856	5,156	4,496	3,886	3,350	2,866
TC	TC1	383	3,275	3,375	3,475	3,575	3,422	3,271	3,123	2,978	2,836	2,698	2,564	2,434	2,308	2,185	2,065	1,948	1,834	1,723	1,614	1,508	1,405	1,305
TC	TC2	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,192	4,992	4,801	4,618	4,445	4,286	4,132	3,980	3,830	3,676	3,519	3,363	3,209	3,057	2,906
TY	TY3	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749

2.50%

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2037	Capacity	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	2,889	
2038	Capacity	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	2,256	
2039	Capacity	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	2,123	
2040	Capacity	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	1,990	
2041	Capacity	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	1,857	
2042	Capacity	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	1,760	
2043	Capacity	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	1,698	
2044	Capacity	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	1,636	
2045	Capacity	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	1,575	
2046	Capacity	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	1,513	
2047	Capacity	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	1,451	
2048	Capacity	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	1,390	
2049	Capacity	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	1,328	
2050	Capacity	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	1,266	
2051	Capacity	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	1,205	
2052	Capacity	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	1,143	
2053	Capacity	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	1,081	
2054	Capacity	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	1,020	
2055	Capacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2056	Capacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2057	Capacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2058	Capacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2059	Capacity	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	
2040 GR																										
2011 BR			4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	5,639	4,218	
2012 BR			200	214	200	214	200	214	200	214	200	214	200	214	200	214	200	214	200	214	200	214	200	214	200	
2013 BR			229	219	229	219	229	219	229	219	229	219	229	219	229	219	229	219	229	219	229	219	229	219	229	
2014 BR			253	244	253	244	253	244	253	244	253	244	253	244	253	244	253	244	253	244	253	244	253	244	253	
2015 BR			279	269	279	269	279	269	279	269	279	269	279	269	279	269	279	269	279	269	279	269	279	269	279	
2016 BR			306	296	306	296	306	296	306	296	306	296	306	296	306	296	306	296	306	296	306	296	306	296	306	
2017 BR			324	314	324	314	324	314	324	314	324	314	324	314	324	314	324	314	324	314	324	314	324	314	324	
2018 BR			343	332	343	332	343	332	343	332	343	332	343	332	343	332	343	332	343	332	343	332	343	332	343	
2019 BR			362	351	362	351	362	351	362	351	362	351	362	351	362	351	362	351	362	351	362	351	362	351	362	
2020 BR			382	371	382	371	382	371	382	371	382	371	382	371	382	371	382	371	382	371	382	371	382	371	382	
2021 BR			403	391	403	391	403	391	403	391	403	391	403	391	403	391	403	391	403	391	403	391	403	391	403	
2022 BR			424	413	424	413	424	413	424	413	424	413	424	413	424	413	424	413	424	413	424	413	424	413	424	
2023 BR			447	435	447	435	447	435	447	435	447	435	447	435	447	435	447	435	447	435	447	435	447	435	447	
2024 BR			470	458	470	458	470	458	470	458	470	458	470	458	470	458	470	458	470	458	470	458	470	458	470	
2025 BR			495	482	495	482	495	482	495	482	495	482	495	482	495	482	495	482	495	482	495	482	495	482	495	
2026 BR			531	507	531	507	531	507	531	507	531	507	531	507	531	507	531	507	531	507	531	507	531	507	531	
2027 BR			560	544	560	544	560	544	560	544	560	544	560	544	560	544	560	544	560	544	560	544	560	544	560	
2028 BR			632	595	632	595	632	595	632	595	632	595	632	595	632	595	632	595	632	595	632	595	632	595	632	
2029 BR			666	648	666	648	666	648	666	648	666	648	666	648	666	648	666	648	666	648	666	648	666	648	666	
2030 BR			742	703	742	703	742	703	742	703	742	703	742	703	742	703	742	703	742	703	742	703	742	703	742	
2031 BR			801	761	801	761	801	761	801	761	801	761	801	761	801	761	801	761	801	761	801	761	801	761	801	
2032 BR			862	821	862	821	862	821	862	821	862	821	862	821	862	821	862	821	862	821	862	821	862	821	862	
2033 BR			926	883	926	883	926	883	926	883	926	883	926	883	926	883	926	883	926	883	926	883	926	883	926	
2034 BR			997	949	997	949	997	949	997	949	997	949	997	949	997	949	997	949	997	949	997	949	997	949	997	
2035 BR			1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	1,024	1,077	
2036 BR			1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	1,104	1,166	
2037 BR			890	850	890	850	890	850	890	850	890	850	890	850	890	850	890	850	890	850	890	850	890	850	890	
2038 BR																										
2039 BR																										
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2059 BR																										

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	0	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	64	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	65	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	67	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	73	69	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		182	266	252	238	226	215	204	194	183	172	161	150	142	137	133	128	123	118	113	108	104	99	92
	2039 TY		187	287	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106	100
	2040 TY					192	179	164	150	138	126	115	103	192	180	169	158	149	144	139	134	129	124	119	114

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	278	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
	BR Landfill O&M Savings		4,256	4,384	4,515	4,651									
	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128	6,248
	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	403	393	382	372	361	351	340	330	320	309		
BR	BR2	167	0	0	0	915	1,228	1,163	1,104	1,050	1,002	957	907	859	811	764	716	684	666	649	632	615	597	580	563	546	528	511	
BR	BR3	416	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,650	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
CR	CR4	155	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	
CR	CR5	166	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	
CR	CR6	240	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	
GH	GH1	475	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,035	1,008	982	955	928	901	875	848	821	
GH	GH2	484	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,055	1,028	1,000	973	946	918	891	864	837	
GH	GH3	480	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,123	1,073	1,046	1,019	992	965	938	911	884	857	830	
GH	GH4	479	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,044	1,017	990	963	936	909	882	855	828	
GR	GR4	68	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
GR	GR4	95	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	
MC	MCL	303	0	0	0	1,215	1,774	1,682	1,598	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	
MC	MC2	301	0	0	0	1,207	1,762	1,671	1,588	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	
MC	MC3	391	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808	
MC	MC4	477	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	
TC	TCL	383	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	
TC	TC2	549	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	795	777	759	741	723	704	686	668	650	632	
TY	TY3	71	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	
BRWATER	BRWATER		0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	
CRWATER	CRWATER		0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	2,015	1,884	1,753	1,622	
MCWATER	MCWATER		0	0	0	5,902	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	
TCWATER	TCWATER		0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,287	1,254	1,221	1,188	1,155	1,122	1,089		
GRWATER	GRWATER		0	0	0	5,902	8,617	7,495	7,135	6,806	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	
MCWATER	MCWATER		0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,060	1,049	1,035	1,021	1,007	992	977	962	947	932	917	902
MCWATER	MCWATER		0	0	0	1,780	2,599	2,465	2,342	2,228	2,123	2,022	1,921	1,819	1,718	1,617	1,515	1,414	1,313	1,212	1,111	1,010	909	808	707	606	505	404	

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	363	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER			2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0
CRWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER			2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER			1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0
GRWATER			3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0
GRWATER			706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1COOL			1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

NEW Unit Cost and Production Cost	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
24.489	941.412	1.076.213	1.128.477	1.217.951	1.327.455	1.472.035	1.643.592	1.852.576	2.103.571	2.393.023	2.721.517	3.098.571	3.514.571	3.970.571	4.476.571	5.032.571	5.648.571	6.324.571	7.060.571	7.866.571	8.742.571	9.688.571	10.704.571	11.790.571
24.595	941.412	1.076.213	1.133.668	1.251.419	1.392.366	1.564.694	1.770.571	1.999.571	2.250.571	2.532.571	2.845.571	3.189.571	3.574.571	3.999.571	4.464.571	4.969.571	5.514.571	6.100.571	6.726.571	7.392.571	8.098.571	8.844.571	9.630.571	10.456.571
25.669	941.412	1.076.213	1.133.668	1.248.378	1.355.485	1.498.034	1.670.571	1.862.571	2.074.571	2.307.571	2.571.571	2.866.571	3.192.571	3.549.571	3.937.571	4.356.571	4.806.571	5.297.571	5.829.571	6.402.571	7.016.571	7.671.571	8.367.571	9.104.571
25.902	941.412	1.076.213	1.133.668	1.257.975	1.372.054	1.518.595	1.692.571	1.884.571	2.094.571	2.322.571	2.578.571	2.863.571	3.176.571	3.517.571	3.894.571	4.306.571	4.752.571	5.233.571	5.748.571	6.307.571	6.909.571	7.554.571	8.242.571	8.973.571
26.559	941.412	1.076.213	1.133.668	1.254.961	1.372.444	1.519.373	1.693.571	1.884.571	2.092.571	2.319.571	2.574.571	2.858.571	3.171.571	3.512.571	3.884.571	4.296.571	4.742.571	5.223.571	5.738.571	6.297.571	6.899.571	7.544.571	8.232.571	8.963.571
27.876	941.412	1.076.213	1.133.668	1.282.981	1.402.322	1.549.664	1.723.571	1.914.571	2.122.571	2.347.571	2.599.571	2.878.571	3.184.571	3.525.571	3.901.571	4.311.571	4.754.571	5.231.571	5.742.571	6.287.571	6.876.571	7.508.571	8.182.571	8.908.571
28.124	941.412	1.076.213	1.133.668	1.317.879	1.437.571	1.584.571	1.757.571	1.946.571	2.151.571	2.372.571	2.609.571	2.863.571	3.134.571	3.422.571	3.736.571	4.074.571	4.445.571	4.848.571	5.283.571	5.749.571	6.246.571	6.774.571	7.332.571	7.920.571
27.928	941.412	1.076.213	1.138.858	1.298.917	1.450.795	1.623.571	1.817.571	2.032.571	2.267.571	2.522.571	2.797.571	3.092.571	3.406.571	3.739.571	4.091.571	4.471.571	4.878.571	5.312.571	5.772.571	6.258.571	6.770.571	7.307.571	7.870.571	8.468.571
28.191	941.412	1.076.213	1.138.858	1.298.917	1.451.694	1.623.571	1.817.571	2.032.571	2.267.571	2.522.571	2.797.571	3.092.571	3.406.571	3.739.571	4.091.571	4.471.571	4.878.571	5.312.571	5.772.571	6.258.571	6.770.571	7.307.571	7.870.571	8.468.571
27.801	941.412	1.076.213	1.137.150	1.295.407	1.446.694	1.619.489	1.812.571	2.026.571	2.251.571	2.496.571	2.761.571	3.046.571	3.351.571	3.676.571	4.021.571	4.386.571	4.771.571	5.176.571	5.601.571	6.046.571	6.511.571	7.006.571	7.531.571	8.086.571
28.201	941.412	1.076.213	1.137.364	1.295.407	1.443.357	1.616.571	1.809.571	2.023.571	2.248.571	2.493.571	2.758.571	3.043.571	3.348.571	3.673.571	4.018.571	4.383.571	4.768.571	5.173.571	5.598.571	6.043.571	6.508.571	7.003.571	7.528.571	8.083.571
28.643	941.412	1.076.213	1.138.858	1.298.917	1.443.357	1.616.571	1.809.571	2.023.571	2.248.571	2.493.571	2.758.571	3.043.571	3.348.571	3.673.571	4.018.571	4.383.571	4.768.571	5.173.571	5.598.571	6.043.571	6.508.571	7.003.571	7.528.571	8.083.571
27.274	941.412	1.076.213	1.137.465	1.295.407	1.443.357	1.616.571	1.809.571	2.023.571	2.248.571	2.493.571	2.758.571	3.043.571	3.348.571	3.673.571	4.018.571	4.383.571	4.768.571	5.173.571	5.598.571	6.043.571	6.508.571	7.003.571	7.528.571	8.083.571
29.519	941.412	1.076.213	1.138.858	1.298.917	1.443.357	1.616.571	1.809.571	2.023.571	2.248.571	2.493.571	2.758.571	3.043.571	3.348.571	3.673.571	4.018.571	4.383.571	4.768.571	5.173.571	5.598.571	6.043.571	6.508.571	7.003.571	7.528.571	8.083.571
22.592	941.412	1.076.213	1.128.477	1.212.811	1.284.859	1.389.538	1.517.805	1.663.112	1.827.010	1.999.429	2.184.571	2.384.571	2.604.571	2.841.571	3.094.571	3.363.571	3.648.571	3.949.571	4.266.571	4.599.571	4.948.571	5.313.571	5.694.571	6.091.571
22.593	941.412	1.076.213	1.128.477	1.212.811	1.284.859	1.389.538	1.517.805	1.663.112	1.827.010	1.999.429	2.184.571	2.384.571	2.604.571	2.841.571	3.094.571	3.363.571	3.648.571	3.949.571	4.266.571	4.599.571	4.948.571	5.313.571	5.694.571	6.091.571
22.561	941.412	1.076.213	1.128.477	1.206.841	1.275.029	1.373.324	1.491.664	1.629.571	1.787.571	1.959.571	2.144.571	2.344.571	2.559.571	2.789.571	3.034.571	3.294.571	3.569.571	3.859.571	4.164.571	4.484.571	4.819.571	5.169.571	5.534.571	5.914.571
23.235	941.412	1.076.213	1.128.477	1.209.834	1.272.358	1.369.838	1.487.571	1.625.571	1.783.571	1.951.571	2.136.571	2.336.571	2.551.571	2.781.571	3.026.571	3.286.571	3.561.571	3.851.571	4.156.571	4.476.571	4.811.571	5.161.571	5.526.571	5.906.571
22.953	941.412	1.076.213	1.128.477	1.216.437	1.286.515	1.411.023	1.561.571	1.727.571	1.909.571	2.107.571	2.321.571	2.551.571	2.796.571	3.056.571	3.331.571	3.621.571	3.926.571	4.246.571	4.581.571	4.931.571	5.296.571	5.676.571	6.071.571	6.481.571
23.679	941.412	1.076.213	1.128.477	1.213.423	1.286.515	1.411.023	1.561.571	1.727.571	1.909.571	2.107.571	2.321.571	2.551.571	2.796.571	3.056.571	3.331.571	3.621.571	3.926.571	4.246.571	4.581.571	4.931.571	5.296.571	5.676.571	6.071.571	6.481.571
23.846	941.412	1.076.213	1.128.477	1.220.455	1.293.230	1.416.571	1.561.571	1.727.571	1.909.571	2.107.571	2.321.571	2.551.571	2.796.571	3.056.571	3.331.571	3.621.571	3.926.571	4.246.571	4.581.571	4.931.571	5.296.571	5.676.571	6.071.571	6.481.571
24.847	941.412	1.076.213	1.128.477	1.205.906	1.274.251	1.369.571	1.487.571	1.625.571	1.783.571	1.951.571	2.136.571	2.336.571	2.551.571	2.781.571	3.026.571	3.286.571	3.561.571	3.851.571	4.156.571	4.476.571	4.811.571	5.161.571	5.526.571	5.906.571
24.807	941.412	1.076.213	1.128.477	1.214.794	1.291.184	1.389.571	1.507.571	1.645.571	1.803.571	1.971.571	2.156.571	2.356.571	2.571.571	2.801.571	3.046.571	3.306.571	3.581.571	3.871.571	4.176.571	4.496.571	4.831.571	5.181.571	5.546.571	5.926.571
32.028	941.412	1.076.213	1.128.477	1.214.794	1.291.184	1.389.571	1.507.571	1.645.571	1.803.571	1.971.571	2.156.571	2.356.571	2.571.571	2.801.571	3.046.571	3.306.571	3.581.571	3.871.571	4.176.571	4.496.571	4.831.571	5.181.571	5.546.571	5.926.571
24.951	941.412	1.076.213	1.128.477	1.215.842	1.292.943	1.391.571	1.509.571	1.647.571	1.805.571	1.973.571	2.158.571	2.358.571	2.573.571	2.803.571	3.048.571	3.308.571	3.583.571	3.873.571	4.178.571	4.498.571	4.833.571	5.183.571	5.548.571	5.928.571
24.973	941.412	1.076.213	1.128.477	1.215.842	1.292.943	1.391.571	1.509.571	1.647.571	1.805.571	1.973.571	2.158.571	2.358.571	2.573.571	2.803.571	3.048.571	3.308.571	3.583.571	3.873.571	4.178.571	4.498.571	4.833.571	5.183.571	5.548.571	5.928.571
25.037	941.412	1.076.213	1.128.477	1.215.842	1.292.943	1.391.571	1.509.571	1.647.571	1.805.571	1.973.571	2.158.571	2.358.571	2.573.571	2.803.571	3.048.571	3.308.571	3.583.571	3.873.571	4.178.571	4.498.571	4.833.571	5.183.571	5.548.571	5.928.571
24.746	941.412	1.076.213	1.128.477	1.215.842	1.292.943	1.391.571	1.509.571	1.647.571	1.805.571	1.973.571	2.158.571	2.358.571	2.573.571	2.803.571	3.048.571	3.308.571	3.583.571	3.873.571	4.178.571	4.498.571	4.833.571	5.183.571	5.548.571	5.928.571
25.361	941.412	1.076.213	1.128.477	1.215.842	1.292.943	1.391.571	1.509.571	1.647.571	1.805.571	1.973.571	2.158.571	2.358.571	2.573.571	2.803.571	3.048.571	3.308.571	3.583.571	3.873.571	4.178.571	4.498.571	4.833.571	5.183.571	5.548.571	5.928.571
25.028	941.412	1.076.213	1.128.477	1.215.842	1.292.943	1.391.571	1.509.571	1.647.571	1.805.571	1.973.571	2.158.571	2.358.571	2.573.571	2.803.571	3.048.571	3.308.571	3.583.571	3.873.571	4.178.571	4.498.571	4.833.571	5.183.571	5.548.571	5.928.571
24.262	941.412	1.076.213	1.128.477	1.213.150	1.286.111	1.381.571	1.498.571	1.636.571	1.794.571	1.962.571	2.147.571	2.347.571	2.562.571	2.792.571	3.037.571	3.297.571	3.572.571	3.862.571	4.167.571	4.487.571	4.822.571	5.172.571	5.537.571	5.917.571
26.040	941.412	1.076.213	1.128.477	1.213.151	1.286.111	1.381.571	1.498.571	1.636.571	1.794.571	1.962.571	2.147.571	2.347.571	2.562.571											

SM	MEMBER	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
3.062	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2.680	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.055	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.173	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.382	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.012	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3.079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
104	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
101	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
330	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
103	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
226	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
247	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
170	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
476	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
459	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
76	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
375	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
494	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
602	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
332	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
467	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4,119	5,931	66,348	201,074	362,838	462,161	499,751	490,131	491,775	467,124	443,106	415,462	396,110	372,843	349,584	328,718	312,379	298,858	286,286	274,494	245,629	230,214	211,969	184,208		
4,043	5,931	65,025	196,976	356,969	455,600	492,130	482,032	482,633	458,454	434,882	403,862	388,718	365,968	343,063	322,720	306,396	293,140	280,833	269,520	240,537	215,275	179,574			
3,967	5,931	63,702	192,778	351,099	449,038	484,460	473,931	474,491	449,783	426,658	391,327	376,000	353,222	330,413	309,043	297,422	275,380	262,006	250,445	210,336	180,296	140,934			
3,857	5,931	63,498	189,924	343,504	435,601	470,360	460,529	460,754	436,164	413,084	381,438	365,547	342,733	320,035	297,669	285,919	273,219	260,512	249,276	210,336	180,296	140,934			
3,760	4,867	56,370	169,218	306,679	407,099	444,826	436,385	436,944	412,161	388,984	357,327	341,738	318,035	295,322	272,659	260,910	248,164	235,418	224,172	184,974	168,258	129,540			
3,760	4,867	56,370	169,218	306,679	407,099	444,826	436,385	436,944	412,161	388,984	357,327	341,738	318,035	295,322	272,659	260,910	248,164	235,418	224,172	184,974	168,258	129,540			
2,830	2,344	39,413	121,467	221,352	324,812	366,897	362,459	361,667	349,527	331,981	314,762	297,798	280,914	264,028	247,992	234,931	223,245	211,559	200,883	174,974	168,258	129,540			
2,830	2,344	39,413	121,467	221,352	324,812	366,897	362,459	361,667	349,527	331,981	314,762	297,798	280,914	264,028	247,992	234,931	223,245	211,559	200,883	174,974	168,258	129,540			
2,746	1,786	37,500	106,730	190,446	287,356	327,048	324,659	321,048	309,926	299,640	288,623	277,818	267,816	257,816	247,816	237,816	227,816	217,816	207,816	197,816	187,816	177,816	167,816		
2,746	1,786	37,500	106,730	190,446	287,356	327,048	324,659	321,048	309,926	299,640	288,623	277,818	267,816	257,816	247,816	237,816	227,816	217,816	207,816	197,816	187,816	177,816	167,816		
2,818	1,786	36,180	105,969	192,220	295,654	339,033	335,089	331,145	319,986	309,826	299,666	289,506	279,346	269,186	259,026	248,866	238,706	228,546	218,386	208,226	198,066	187,906	177,746		
2,401	924	23,470	79,296	154,212	246,428	289,611	285,667	281,723	270,564	260,404	250,244	240,084	229,924	219,764	209,604	199,444	189,284	179,124	168,964	158,804	148,644	138,484	128,324		
2,701	1,786	36,180	105,969	192,220	295,654	339,033	335,089	331,145	319,986	309,826	299,666	289,506	279,346	269,186	259,026	248,866	238,706	228,546	218,386	208,226	198,066	187,906	177,746		
2,644	1,664	34,801	102,152	186,475	285,727	328,199	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065		
2,588	1,786	34,801	102,152	186,475	285,727	328,199	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065		
2,428	1,775	32,669	97,704	174,574	269,814	300,281	291,660	288,450	274,513	260,576	247,467	234,358	221,249	208,140	195,031	181,922	168,813	155,704	142,595	129,486	116,377	103,268	90,159		
2,588	1,786	34,801	102,152	186,475	285,727	328,199	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	
2,588	1,786	34,801	102,152	186,475	285,727	328,199	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	313,065	
1,718	1,297	21,468	65,361	120,633	181,848	206,943	203,049	201,477	192,059	182,641	173,223	163,805	154,387	144,969	135,551	126,133	116,715	107,297	97,879	88,461	79,043	69,625	60,207		
1,718	1,297	21,468	65,361	120,633	181,848	206,943	203,049	201,477	192,059	182,641	173,223	163,805	154,387	144,969	135,551	126,133	116,715	107,297	97,879	88,461	79,043	69,625	60,207		
-76	0	-1,323	-4,148	-5,869	-6,561	-7,851	-9,099	-9,442	-8,671	-8,224	-7,759	-7,391	-6,987	-6,583	-6,248	-5,983	-5,718	-5,453	-5,244	-5,092	-4,939	-4,787	-4,634		
-76	0	-1,323	-4,148	-5,869	-6,561	-7,851	-9,099	-9,442	-8,671	-8,224	-7,759	-7,391	-6,987	-6,58											

Table with columns for years 2001-2033 and rows for different retirement scenarios (e.g., MTP Capital, No Retirements, Retiree TY and GR3, etc.).

	\$M	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
No Retirements																									
Retiree TY	6	0	-1,323	1,043	29,762	30,502	27,025	-17,830	-18,469	-17,661	-16,874	-16,163	-15,611	-15,188	-14,784	-14,412	-14,059	-13,726	-13,404	-13,092	-12,790	-12,500	-12,221	-11,953	
Retiree TY and GR3	13	0	-1,323	-5,551	-17,685	-29,155	-40,944	-35,733	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	-26,799	
Retiree TY GR3 and GR3	122	0	-204	-1,451	1,955	5,259	11,118	11,737	31,864	38,863	38,863	39,957	31,378	-10,365	-14,448	-3,083	23,722	35,334	32,602	22,916	4,283	-6,912	-8,211	-8,369	
Retiree TY GR3 and GR4	-248	-1,322	-8,171	-32,282	-35,367	-22,980	-11,663	-15,166	-43,890	-70,837	-61,974	-33,026	-39,339	-41,255	-45,463	-49,731	-54,059	-58,447	-62,895	-67,407	-71,984	-76,727	-81,536	-86,405	
Retiree TY GR3 GR4 and GR6	-288	-2,432	-11,751	-33,867	-60,964	-58,876	-60,169	-51,726	-39,228	-32,122	-24,187	-16,603	-9,297	-2,138	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	-18,912	
Retiree TY GR3 GR4 GR6 and BR1-2	-49	-489	-6,506	-15,605	-28,043	-24,261	-12,899	49,184	39,228	3,940	-31,970	-36,905	10,162	52,156	41,771	-512	-29,754	-42,369	-35,181	4,876	57,956	44,927	-3,004	-51,216	
Retiree TY GR3 CR	-200	-1,376	-8,764	-26,412	-49,993	-36,672	38,797	9,915	4,472	-13,222	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	-14,607	
Retiree TY GR3 CR and GH1	89	-115	-565	-1,362	18,092	20,376	17,751	38,759	-8,197	-37,642	-11,421	-22,514	-24,020	-27,097	-30,829	-35,317	-40,569	-46,698	-53,732	-61,677	-70,543	-80,344	-91,099	-102,819	
Retiree TY GR3 CR and GH2	85	-186	-4,894	-5,973	20,376	57,247	24,916	36,153	12,024	-11,421	-22,514	-24,020	-27,097	-30,829	-35,317	-40,569	-46,698	-53,732	-61,677	-70,543	-80,344	-91,099	-102,819	-115,555	
Retiree TY GR3 CR and GH3	53	0	-1,885	-5,910	-9,784	-5,511	21,951	26,433	12,024	-11,421	-22,514	-24,020	-27,097	-30,829	-35,317	-40,569	-46,698	-53,732	-61,677	-70,543	-80,344	-91,099	-102,819	-115,555	
Retiree TY GR CR and MCL2	-28	-862	-12,710	-21,482	-31,617	-42,048	-53,576	-66,339	-80,892	-97,283	-115,511	-134,683	-155,746	-178,799	-203,842	-230,874	-260,895	-293,916	-329,937	-368,958	-411,979	-459,999	-508,019	-556,039	
Retiree TY GR CR and MCL4	190	0	2,991	1,374	30,448	56,133	30,581	-4,031	-32,843	-2,863	41,597	67,787	30,831	-21,889	-67,069	-68,408	-19,374	39,456	64,897	20,139	43,082	-81,188	-188,959	-253,373	
Retiree TY GR CR and MCL3	117	-122	-527	-1,374	30,448	56,133	30,581	-4,031	-32,843	-2,863	41,597	67,787	30,831	-21,889	-67,069	-68,408	-19,374	39,456	64,897	20,139	43,082	-81,188	-188,959	-253,373	
Retiree TY GR CR and MCL1	-101	-11	-3,511	-3,074	22,392	45,149	14,901	-25,565	-62,837	-31,501	14,424	41,701	6,048	-45,589	-84,711	-90,002	-40,126	13,345	45,674	2,046	-60,456	-188,255	-353,694	-519,956	
Retiree TY GR CR and MCL2	-413	0	-7,206	-19,811	-5,896	-16,616	-8,908	-81,705	-84,627	-47,168	-9,889	-3,763	-47,803	-90,278	-109,450	-129,774	-150,106	-170,438	-190,770	-211,102	-231,434	-251,766	-272,098	-292,430	
Retiree TY GR CR and MCL1-2	36	-489	-6,506	-11,818	2,265	23,552	5,074	-26,175	-29,543	-6,886	18,150	19,920	-19,126	-23,078	-10,191	15,743	27,652	25,547	29,485	21,465	19,623	19,103	20,909	19,701	
Retiree TY GR CR BR1-2 and MCL1-2	-548	0	-7,206	-23,598	-35,204	-69,883	-79,084	-46,155	-43,229	-39,940	-32,278	-26,833	-22,552	-19,226	-15,743	-12,455	-9,167	-5,879	-2,591	7,697	23,485	43,737	64,989	86,241	
Retirement O&M Cost																									
No Retirements																									
Retiree TY	2	0	0	0	0	0	2,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY and GR3	3	0	0	0	0	0	4,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 and BR3	5	0	0	0	0	0	6,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 and GR4	6	0	0	0	0	0	8,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 GR4 and GR6	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 CR	8	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 CR and GH1	9	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MCL4	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and GH4	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MCL3	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and GH2	11	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MCL1-2	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and BR1-2	12	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR BR1-2 and MCL1-2	15	0	0	0	0	0	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Existing Unit Elvcd O&M																									
No Retirements																									
Retiree TY	2	0	0	0	0	0	2,100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY and GR3	2	0	0	0	0	0	4,200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 and BR3	2	0	0	0	0	0	6,300	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 and GR4	2	0	0	0	0	0	8,400	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 GR4 and GR6	2	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 CR	2	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR3 CR and GH1	2	0	0	0	0	0	12,600	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MCL4	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and GH4	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MCL3	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and GH2	2	0	0	0	0	0	14,700	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MCL1-2	3	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and BR1-2	3	0	0	0	0	0	16,800	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR BR1-2 and MCL1-2	3	0	0	0	0	0	21,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

SM	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retire TY GR CR and MCA	2,650	214,901	219,007	210,243	214,448	218,737	153,445	159,544	162,837	165,094	169,216	172,004	176,668	179,786	183,381	186,845	190,780	194,306	198,281	202,468	206,517	210,647	214,860
Retire TY GR CR and TCI	2,648	214,901	219,007	210,243	214,448	218,737	153,278	159,470	162,662	164,919	169,041	171,829	176,493	179,611	183,206	186,670	190,605	194,131	198,106	202,293	206,342	210,471	214,684
Retire TY GR CR and GH4	2,710	214,901	219,007	210,243	214,448	218,737	158,900	165,319	168,675	171,998	175,438	178,947	182,596	185,381	189,200	193,095	197,072	201,033	205,554	209,655	213,858	218,135	222,498
Retire TY GR CR and MCA	2,650	214,901	219,007	210,243	214,448	218,737	153,440	159,540	162,837	165,094	169,216	172,004	176,668	179,786	183,381	186,845	190,780	194,306	198,281	202,468	206,517	210,647	214,860
Retire TY GR CR and GH2	2,655	214,901	219,007	210,243	214,448	218,737	157,654	160,644	163,857	167,134	170,477	173,886	177,364	180,911	184,530	188,220	191,985	195,824	199,741	203,736	207,801	211,966	216,200
Retire TY GR CR and MCA-2	2,525	214,901	219,007	210,243	214,448	218,737	142,170	146,013	149,974	153,889	157,967	162,006	166,068	170,156	174,279	178,426	182,596	186,788	190,992	195,210	199,443	203,691	207,954
Retire TY GR CR and MCA-2	2,720	214,901	219,007	210,243	214,448	218,737	159,837	166,294	169,620	173,012	176,473	180,002	183,602	187,274	190,919	194,640	198,337	202,009	205,766	209,599	213,410	217,199	221,076
Retire TY GR CR BR1-2 and MCA-2	2,393	214,901	219,007	210,243	214,448	218,737	130,261	132,866	135,523	138,234	140,998	143,818	146,695	149,629	152,621	155,674	158,787	161,963	165,202	168,506	171,876	175,314	178,820
Retire TY	-5	0	0	0	0	-444	-453	-462	-471	-480	-490	-500	-510	-520	-530	-541	-552	-563	-574	-586	-597	-609	-622
Retire TY and GR3	-51	0	0	0	0	-4,627	-4,719	-4,813	-4,910	-5,008	-5,108	-5,210	-5,314	-5,421	-5,529	-5,640	-5,753	-5,868	-5,985	-6,105	-6,227	-6,351	-6,478
Retire TY and GR3	-175	0	0	0	0	-15,816	-16,132	-16,458	-16,784	-17,120	-17,466	-17,811	-18,167	-18,531	-18,904	-19,279	-19,665	-20,058	-20,460	-20,869	-21,286	-21,712	-22,146
Retire TY GR3 and GR4	-41	0	0	0	0	-3,626	-3,700	-3,776	-3,854	-3,934	-4,016	-4,100	-4,186	-4,274	-4,364	-4,456	-4,549	-4,644	-4,741	-4,840	-4,940	-5,042	-5,146
Retire TY GR3 CR and GR4	-120	0	0	0	0	-10,795	-11,011	-11,230	-11,456	-11,688	-11,925	-12,167	-12,413	-12,664	-12,920	-13,181	-13,447	-13,718	-14,000	-14,284	-14,571	-14,862	-15,156
Retire TY GR3 CR and BR1-2	-32	0	0	0	0	-3,109	-3,147	-3,186	-3,226	-3,267	-3,309	-3,352	-3,396	-3,441	-3,487	-3,534	-3,582	-3,631	-3,681	-3,732	-3,784	-3,837	-3,891
Retire TY GR3 CR and GR4	-150	0	0	0	0	-13,574	-13,845	-14,122	-14,405	-14,693	-14,987	-15,286	-15,591	-15,901	-16,216	-16,536	-16,861	-17,191	-17,525	-17,864	-18,208	-18,557	-18,911
Retire TY GR3 CR and GR3	-47	0	0	0	0	-4,238	-4,303	-4,373	-4,449	-4,530	-4,616	-4,707	-4,803	-4,904	-5,010	-5,121	-5,237	-5,358	-5,484	-5,615	-5,751	-5,892	-6,039
Retire TY GR3 CR and GR1	-211	0	0	0	0	-19,065	-19,447	-19,835	-20,227	-20,623	-21,024	-21,430	-21,841	-22,257	-22,679	-23,106	-23,539	-23,977	-24,420	-24,868	-25,321	-25,779	-26,242
Retire TY GR and CR	-101	0	0	0	0	-9,161	-9,344	-9,531	-9,722	-9,916	-10,115	-10,319	-10,528	-10,741	-10,958	-11,179	-11,403	-11,631	-11,863	-12,099	-12,339	-12,583	-12,831
Retire TY GR and MCA	-203	0	0	0	0	-18,300	-18,666	-19,040	-19,421	-19,809	-20,205	-20,609	-21,021	-21,442	-21,871	-22,308	-22,754	-23,209	-23,674	-24,147	-24,630	-25,123	-25,625
Retire TY GR CR and TCI	-205	0	0	0	0	-18,468	-18,837	-19,214	-19,598	-19,990	-20,390	-20,798	-21,214	-21,638	-22,071	-22,512	-22,962	-23,422	-23,892	-24,368	-24,851	-25,342	-25,859
Retire TY GR CR and GH4	-142	0	0	0	0	-12,846	-13,103	-13,365	-13,632	-13,904	-14,181	-14,464	-14,752	-15,045	-15,343	-15,646	-15,954	-16,267	-16,584	-16,906	-17,233	-17,565	-17,902
Retire TY GR CR and MCA	-202	0	0	0	0	-18,275	-18,641	-19,014	-19,394	-19,782	-20,177	-20,581	-20,993	-21,412	-21,841	-22,278	-22,724	-23,178	-23,641	-24,114	-24,598	-25,092	-25,596
Retire TY GR CR and GH2	-158	0	0	0	0	-13,251	-13,456	-13,664	-13,876	-14,092	-14,312	-14,536	-14,764	-14,996	-15,232	-15,472	-15,716	-15,964	-16,216	-16,472	-16,732	-16,996	-17,264
Retire TY GR CR and MCA-2	-328	0	0	0	0	-29,576	-30,167	-30,771	-31,386	-32,014	-32,654	-33,307	-33,973	-34,653	-35,346	-36,053	-36,774	-37,509	-38,259	-39,025	-39,805	-40,601	-41,413
Retire TY GR CR and BR1-2	-132	0	0	0	0	-11,509	-11,747	-12,000	-12,257	-12,519	-12,785	-13,056	-13,332	-13,613	-13,898	-14,187	-14,480	-14,777	-15,078	-15,383	-15,692	-16,004	-16,319
Retire TY GR CR BR1-2 and MCA-2	-328	0	0	0	0	-29,576	-30,167	-30,771	-31,386	-32,014	-32,654	-33,307	-33,973	-34,653	-35,346	-36,053	-36,774	-37,509	-38,259	-39,025	-39,805	-40,601	-41,413
New Controls Fixed O&M																							
No Retirements	578	0	8	123	4,486	12,567	37,131	55,030	56,170	57,332	58,518	59,689	60,882	62,100	63,342	64,609	65,901	67,219	68,563	69,935	71,333	72,760	74,215
Retire TY	525	0	8	123	4,486	12,567	33,935	49,868	50,904	51,962	53,040	54,101	55,183	56,286	57,412	58,560	59,732	60,926	62,145	63,388	64,655	65,947	67,267
Retire TY and GR3	471	0	8	123	4,486	12,567	29,957	44,705	45,639	46,591	47,562	48,553	49,583	50,673	51,823	52,932	54,098	55,329	56,540	57,777	59,032	60,320	61,642
Retire TY GR3 and BR3	458	0	8	123	4,486	11,499	28,243	42,847	43,573	44,321	45,091	45,882	46,694	47,526	48,388	49,279	50,198	51,144	52,116	53,114	54,138	55,187	56,261
Retire TY GR3 and GR4	439	0	8	123	4,486	12,567	26,949	40,716	41,570	42,440	43,324	44,218	45,132	46,066	47,019	48,001	49,011	50,049	51,114	52,205	53,321	54,462	55,628
Retire TY GR3 CR and GR4	374	0	8	123	4,486	12,567	20,327	30,977	31,546	32,134	32,741	33,366	34,010	34,673	35,355	36,056	36,776	37,514	38,270	39,044	39,835	40,644	41,470
Retire TY GR3 CR and BR1-2	355	0	8	123	2,960	10,955	18,681	26,881	27,328	27,800	28,296	28,816	29,359	29,924	30,511	31,120	31,751	32,403	33,076	33,770	34,484	35,217	35,978
Retire TY GR3 CR and MCA	314	0	8	123	4,486	12,567	16,681	24,680	25,059	25,463	25,891	26,343	26,818	27,315	27,834	28,375	28,938	29,522	30,127	30,753	31,399	32,066	32,754
Retire TY GR3 CR and GR1	312	0	8	123	3,188	11,248	15,150	19,951	20,357	20,788	21,243	21,722	22,224	22,748	23,294	23,861	24,449	25,058	25,688	26,339	27,011	27,704	28,418
Retire TY GR and CR	259	0	8	123	4,486	12,567	11,459	17,228	17,596	17,984	18,392	18,820	19,268	19,736	20,224	20,732	21,260	21,808	22,376	22,964	23,572	24,200	24,848
Retire TY GR CR and MCA	240	0	8	123	3,739	11,012	9,874	10,110	10,358	10,616	10,884	11,161	11,448	11,745	12,052	12,369	12,696	13,033	13,380	13,737	14,104	14,481	14,868
Retire TY GR CR and TCI	248	0	8	123	4,486	12,073	10,452	10,700	10,958	11,226	11,504	11,792	12,090	12,398	12,716	13,044	13,382	13,730	14,088	14,456	14,834	15,222	15,620
Retire TY GR CR and GH4	244	0	8	123	4,486	11,995	10,413	10,661	10,919	11,187	11,465	11,753	12,051	12,359	12,677	13,005	13,343	13,691	14,049	14,417	14,795	15,183	15,581
Retire TY GR CR and MCA	244	0	8	99	4,449	11,882	10,102	10,349	10,600	10,854	11,111	11,371	11,634	11,900	12,169	12,441	12,716	12,994	13,275	13,559	13,846	14,136	14,430
Retire TY GR CR and GH2	170	0	24	3,608	10,878	9,737	9,970	10,208	10,450	10,696	10,946	11,200	11,458	11,719	11,984	12,252	12,524	12,799	13,077	13,358	13,642	13,929	14,219
Retire TY GR CR and MCA-2	163	0	8	123	4,486	9,706	8,474	8,643	8,813	8,984	9,156	9,329	9,503	9,678	9,854	10,031	10,209	10,388	10,568	10,749	10,931	11,114	11,298
Retire TY GR CR and BR1-2	238	0	8	123	2,960	10,953	9,813	10,046	10,284														

KPFSCard Data Request- Case 1 Step Analysis (Step 2a)

Discount Rate: 6.71%

	\$M	\$000	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retire TY GR CR and TCI	0																								
Retire TY GR CR and GH4	0																								
Retire TY GR CR and MC3	0																								
Retire TY GR CR and GH2	0																								
Retire TY GR CR and MCL-2	0																								
Retire TY GR CR and BR1-2	0																								
Retire TY GR CR BR1-2 and MCL-2	0																								
System Annual Max Emissions Excess																									
No Retirements	0																								
Retire TY	0																								
Retire TY and GR3	0																								
Retire TY GR3 and BR3	0																								
Retire TY GR3 and CR4	0																								
Retire TY GR3 CR4 and CR6	0																								
Retire TY GR3 CR4 CR6 and BR1-2	0																								
Retire TY GR3 and CR	0																								
Retire TY GR3 CR and GH3	0																								
Retire TY GR3 CR and GH1	0																								
Retire TY GR CR and CR	137	9,995	11,959	12,912	15,004	15,467	14,183	14,525	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553	14,553
Retire TY GR CR and MC4	0																								
Retire TY GR CR and TCI	0																								
Retire TY GR CR and GH4	0																								
Retire TY GR CR and MC3	0																								
Retire TY GR CR and GH2	0																								
Retire TY GR CR and MCL-2	0																								
Retire TY GR CR and BR1-2	0																								
Retire TY GR CR BR1-2 and MCL-2	0																								
System Gross Max Emissions Excess																									
No Retirements	0																								
Retire TY	0																								
Retire TY and GR3	0																								
Retire TY GR3 and BR3	0																								
Retire TY GR3 and CR4	0																								
Retire TY GR3 CR4 and CR6	0																								
Retire TY GR3 CR4 CR6 and BR1-2	0																								
Retire TY GR3 and CR	0																								
Retire TY GR3 CR and GH3	0																								
Retire TY GR3 CR and GH1	0																								
Retire TY GR CR and CR	138	378	13,107	13,722	17,048	15,615	15,607	15,338	8,422	8,693	6,690	7,301	7,466	7,659	8,054	8,438	8,813	9,177	9,533	9,871	10,197	10,514	10,821	11,119	11,408
Retire TY GR CR and MC4	0																								
Retire TY GR CR and TCI	0																								
Retire TY GR CR and GH4	0																								
Retire TY GR CR and MC3	0																								
Retire TY GR CR and GH2	0																								
Retire TY GR CR and MCL-2	0																								
Retire TY GR CR and BR1-2	0																								
Retire TY GR CR BR1-2 and MCL-2	0																								
System Total Emissions Excess																									
No Retirements	0																								
Retire TY	0																								
Retire TY and GR3	0																								
Retire TY GR3 and BR3	0																								
Retire TY GR3 and CR4	0																								
Retire TY GR3 CR4 and CR6	0																								
Retire TY GR3 CR4 CR6 and BR1-2	0																								
Retire TY GR3 and CR	0																								
Retire TY GR3 CR and GH3	0																								
Retire TY GR3 CR and GH1	0																								
Retire TY GR CR and CR	64	1,954	67,922	66,664	77,664	70,866	49,895	49,891	36,556	36,556	36,543	33,646	34,732	35,512	35,974	37,093	37,459	37,826	37,899	38,038	38,278	38,517	38,756	38,995	39,234
Retire TY GR CR and MC4	0																								
Retire TY GR CR and TCI	0																								
Retire TY GR CR and GH4	0																								
Retire TY GR CR and MC3	0																								
Retire TY GR CR and GH2	0																								
Retire TY GR CR and MCL-2	0																								
Retire TY GR CR and BR1-2	0																								
Retire TY GR CR BR1-2 and MCL-2	0																								
Total RE Minus Emissions Excess																									
No Retirements	0																								
Retire TY	0																								

KPFSCad Data Request - Case 1 Step Analysis (Step 2a)

Discount Rate: 6.71%

	\$M	\$000	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire TY and GR3	0	0																								
Retire TY GR3 and BR3	0	0																								
Retire TY GR3 and CR4	0	0																								
Retire TY GR3 CR4 and CR6	0	0																								
Retire TY GR3 CR4 CR6 and BR1-2	0	0																								
Retire TY GR3 and CR	0	0																								
Retire TY GR3 CR and GH3	0	0																								
Retire TY GR3 CR and GH1	0	0																								
Retire TY GR and CR	0	41,555	1,150,973	1,275,047	1,401,917	1,522,930	1,650,127	1,781,414	1,925,062	2,070,865	2,246,932	2,447,482	2,750,355	3,121,958	3,545,370	4,051,475	4,709,821	5,508,090	6,439,206	7,433,092	8,547,153	9,743,698	11,060,032	12,536,903	14,190,405	
Retire TY GR CR and MC4	0	0																								
Retire TY GR CR and TC1	0	0																								
Retire TY GR CR and GH4	0	0																								
Retire TY GR CR and MC3	0	0																								
Retire TY GR CR and GH2	0	0																								
Retire TY GR CR and MCI-2	0	0																								
Retire TY GR CR and BR1-2	0	0																								
Retire TY GR CR and BR1-2 and MCI-2	0	0																								

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

New Unit Capital and Production Cost

Table with columns for years 2034-2058 and rows for 'No Retirements' and 'Production Cost' under various retiree categories (e.g., Retiree TY, Retiree TY and GR3).

Production Cost

Table with columns for years 2034-2058 and rows for 'No Retirements' and 'Production Cost' under various retiree categories (e.g., Retiree TY, Retiree TY and GR3).

Production Cost Delta

Table with columns for years 2034-2058 and rows for 'No Retirements' and 'Production Cost Delta' under various retiree categories.

New Unit Capital

Table with columns for years 2034-2058 and rows for 'No Retirements' and 'New Unit Capital' under various retiree categories.

Discount Rate:

2058

2059

2060

2061

2062

2063

2064

2065

2066

2067

2068

2069

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2072

2073

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2107

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2110

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2112

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2114

2115

2116

2117

2118

2119

Retiree TV GR3 CR and GH1

Retiree TV GR and CR

Retiree TV GR CR and MC4

Retiree TV GR CR and TCI

Retiree TV GR CR and GH4

Retiree TV GR CR and MC3

Retiree TV GR CR and GH2

Retiree TV GR CR and MCL-2

Retiree TV GR CR and BR1-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

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Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

Retiree TV GR CR BR1-2 and MCL-2

7724

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New,Unk,Capital Delta

No Retirements

Retiree TV

Retiree TV and GR3

Retiree TV GR3 and BR3

Retiree TV GR3 and CR4

Retiree TV GR3 CR4 and CR6

Retiree TV GR3 CR4 and BR1-2

Retiree TV GR3 CR4 and GH1

Retiree TV GR3 CR4 and GH3

Retiree TV GR3 CR4 and GH4

Retiree TV GR3 CR4 and GH2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and BR1-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

New,Controls,Capital

No Retirements

Retiree TV

Retiree TV and GR3

Retiree TV GR3 and BR3

Retiree TV GR3 and CR4

Retiree TV GR3 CR4 and CR6

Retiree TV GR3 CR4 and BR1-2

Retiree TV GR3 CR4 and GH1

Retiree TV GR3 CR4 and GH3

Retiree TV GR3 CR4 and GH4

Retiree TV GR3 CR4 and GH2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and BR1-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

New,Controls,Capital Delta

No Retirements

Retiree TV

Retiree TV and GR3

Retiree TV GR3 and BR3

Retiree TV GR3 and CR4

Retiree TV GR3 CR4 and CR6

Retiree TV GR3 CR4 and BR1-2

Retiree TV GR3 CR4 and GH1

Retiree TV GR3 CR4 and GH3

Retiree TV GR3 CR4 and GH4

Retiree TV GR3 CR4 and GH2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and BR1-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Retiree TV GR3 CR4 and MCL-2

Discount Rate:

2058

2057

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2055

2054

2053

2052

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2049

2048

2047

2046

2045

2044

2043

2042

2041

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2039

2038

2037

2036

2035

2034

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058		
MTE Capital																											
No Retirements																											
Retire TY	139,365	145,108	150,899	156,087	161,351	166,658	172,046																				
Retire TY and GR3	136,574	142,204	147,882	152,995	158,182	163,409	168,716																				
Retire TY GR3 and BR3	135,433	141,005	146,635	151,700	156,839	162,032	167,305																				
Retire TY GR3 and CR4	127,287	132,518	137,793	142,698	147,375	152,102	157,005																				
Retire TY GR3 CR4 and CR6	138,190	143,717	149,290	154,857	160,425	166,000	171,585																				
Retire TY GR3 CR4 and BR1-2	129,732	135,173	140,657	146,372	152,125	157,920	163,760																				
Retire TY GR3 and CR	127,312	132,692	138,115	143,666	149,356	155,090	160,872																				
Retire TY GR CR and GH3	112,462	117,220	121,994	126,365	130,631	134,790	139,117																				
Retire TY GR CR and GH1	112,636	117,381	122,162	126,365	130,631	134,790	139,117																				
Retire TY GR CR and CR	125,703	131,017	136,373	141,157	146,010	150,933	155,928																				
Retire TY GR CR and MCL	111,099	116,623	122,087	127,497	132,852	138,154	143,504																				
Retire TY GR CR and MCL-2	122,417	127,586	132,796	137,432	142,136	146,907	151,749																				
Retire TY GR CR and GH4	110,903	115,577	120,286	124,417	128,609	132,865	137,185																				
Retire TY GR CR and MCL	113,732	118,562	123,433	127,894	132,416	136,999	141,645																				
Retire TY GR CR and GH2	110,749	115,416	120,118	124,242	128,478	132,676	136,989																				
Retire TY GR CR and MCL-2	107,211	111,778	116,384	120,669	125,010	129,408	133,865																				
Retire TY GR CR and BR1-2	120,462	125,549	130,676	135,229	139,849	144,536	149,293																				
Retire TY GR CR BR1-2 and MCL-2	101,970	106,510	110,687	114,741	118,848	123,011	127,229																				
MTE Capital Delta																											
No Retirements																											
Retire TY	-2,790	-2,904	-3,017	-3,092	-3,170	-3,249	-3,330																				
Retire TY and GR3	-1,152	-1,199	-1,247	-1,295	-1,343	-1,392	-1,441																				
Retire TY GR3 and BR3	-8,136	-8,488	-8,843	-9,202	-9,564	-9,930	-10,300																				
Retire TY GR3 and CR4	-2,233	-2,289	-2,346	-2,405	-2,465	-2,526	-2,589																				
Retire TY GR3 CR4 and CR6	-3,457	-3,544	-3,632	-3,723	-3,816	-3,912	-4,009																				
Retire TY GR3 CR4 and BR1-2	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635																				
Retire TY GR3 and CR	-2,200	-2,481	-2,543	-2,606	-2,671	-2,738	-2,807																				
Retire TY GR3 CR and GH3	-14,831	-15,472	-16,121	-16,775	-17,437	-18,106	-18,782																				
Retire TY GR3 CR and GH1	-14,676	-15,311	-15,963	-16,621	-17,286	-17,958	-18,587																				
Retire TY GR CR and CR	-1,869	-1,975	-2,082	-2,189	-2,296	-2,403	-2,510																				
Retire TY GR CR and MCL	-14,684	-15,194	-15,786	-16,180	-16,585	-16,989	-17,434																				
Retire TY GR CR and TCI	-3,286	-3,431	-3,577	-3,725	-3,873	-4,028	-4,180																				
Retire TY GR CR and GH4	-14,800	-15,440	-16,087	-16,741	-17,401	-18,069	-18,743																				
Retire TY GR CR and MCL	-11,971	-12,455	-12,940	-13,263	-13,595	-13,934	-14,283																				
Retire TY GR CR and GH2	-14,584	-15,601	-16,255	-16,915	-17,583	-18,257	-18,939																				
Retire TY GR CR and MCL-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063																				
Retire TY GR CR and BR1-2	-5,241	-5,468	-5,697	-5,928	-6,161	-6,397	-6,635																				
Retire TY GR CR BR1-2 and MCL-2	-18,492	-19,239	-19,988	-20,488	-21,000	-21,525	-22,063																				
Landfill Capital																											
No Retirements																											
Retire TY	115,469	117,869	118,500	120,220	121,001	122,001	123,112																				
Retire TY and GR3	115,469	117,869	118,500	120,220	121,001	122,001	123,112																				
Retire TY GR3 and BR3	113,987	116,506	118,678	120,031	121,684	123,112	124,715																				
Retire TY GR3 and CR4	113,721	116,150	117,708	118,512	119,273	120,019	120,751																				
Retire TY GR3 CR4 and CR6	110,944	113,487	114,588	115,857	117,089	118,283	119,441																				
Retire TY GR3 CR4 and BR1-2	109,989	112,609	114,445	115,495	116,498	117,458	118,377																				
Retire TY GR3 and CR	109,049	111,674	112,754	114,016	115,227	116,396	117,522																				
Retire TY GR3 CR and GH3	89,677	91,370	91,568	92,233	92,833	93,380	93,880																				
Retire TY GR3 CR and GH1	109,049	111,674	112,754	114,016	115,227	116,396	117,522																				
Retire TY GR CR and CR	109,049	111,674	112,754	114,016	115,227	116,396	117,522																				
Retire TY GR CR and MCL	97,385	100,281	101,723	103,285	104,851	106,420	107,994																				
Retire TY GR CR and TCI	89,514	91,199	91,390	92,141	92,814	93,414	93,937																				
Retire TY GR CR and GH4	109,049	111,674	112,754	114,016	115,																						

Discount Rate:

	2033	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
Retiree TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retiree TY GR CR and MC4	-11,666	-11,343	-11,031	-10,731	-10,442	-10,162	-9,886																			
Retiree TY GR CR and TCI	-19,535	-20,424	-21,364	-21,875	-2,513	-1,870	-1,715																			
Retiree TY GR CR and GH4	-19,739	-20,637	-21,587	-22,103	-2,539	-1,889	-1,733																			
Retiree TY GR CR and MICS	0	0	0	0	0	0	0																			
Retiree TY GR CR and GH2	0	0	0	0	0	0	0																			
Retiree TY GR CR and MCI-2	-955	-878	-545	-122	-101	-80	-62																			
Retiree TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0																			
Water Capital																										
No Retirements	12,551	12,090	11,629	11,168	10,707	10,246	7,566																			
Retiree TY	12,214	11,767	11,320	10,873	10,427	9,980	7,115																			
Retiree TY and GR3	11,876	11,444	11,011	10,579	10,147	9,714	6,864																			
Retiree TY GR3 and BR3	10,517	10,128	9,738	9,349	8,959	8,570	5,762																			
Retiree TY GR3 and CR4	11,876	11,444	11,011	10,579	10,147	9,714	6,864																			
Retiree TY GR3 CR4 and CR6	11,001	10,596	10,191	9,786	9,382	8,977	6,154																			
Retiree TY GR3 CR4 CR6 and BR1-2	11,876	11,444	11,011	10,579	10,147	9,714	6,864																			
Retiree TY GR3 CR4 and CR	10,992	10,587	10,182	9,777	9,371	8,966	6,142																			
Retiree TY GR3 CR and GH3	11,002	10,596	10,190	9,785	9,379	8,974	6,150																			
Retiree TY GR3 CR and GH1	11,405	10,993	10,580	10,168	9,755	9,345	6,512																			
Retiree TY GR and CR	10,349	9,957	9,595	9,233	8,871	8,509	6,123																			
Retiree TY GR CR and MC4	10,939	10,539	10,140	9,740	9,340	8,941	6,123																			
Retiree TY GR CR and TCI	10,523	10,138	9,752	9,367	8,982	8,596	5,793																			
Retiree TY GR CR and GH4	10,514	10,143	9,772	9,401	9,030	8,659	6,512																			
Retiree TY GR CR and MCI-2	10,514	10,129	9,744	9,359	8,973	8,588	5,785																			
Retiree TY GR CR and GH2	8,877	8,576	8,274	7,973	7,671	7,370	5,642																			
Retiree TY GR CR and MCI-2	10,529	10,145	9,760	9,375	8,991	8,606	5,803																			
Retiree TY GR CR BR1-2 and MCI-2	8,002	7,728	7,454	7,180	6,906	6,632	4,933																			
Water Capital Delta																										
No Retirements	-337	-323	-309	-294	-280	-266	-251																			
Retiree TY	-337	-323	-309	-294	-280	-266	-251																			
Retiree TY and GR3	-337	-323	-309	-294	-280	-266	-251																			
Retiree TY GR3 and BR3	-1,359	-1,316	-1,273	-1,230	-1,187	-1,144	-1,101																			
Retiree TY GR3 and CR4	0	0	0	0	0	0	0																			
Retiree TY GR3 CR4 and CR6	0	0	0	0	0	0	0																			
Retiree TY GR3 CR4 CR6 and BR1-2	-876	-848	-820	-793	-765	-737	-710																			
Retiree TY GR3 CR and CR	0	0	0	0	0	0	0																			
Retiree TY GR3 CR and GH3	-884	-857	-830	-803	-776	-748	-721																			
Retiree TY GR3 CR and GH1	-875	-848	-821	-794	-767	-741	-714																			
Retiree TY GR and CR	-471	-451	-431	-411	-391	-371	-351																			
Retiree TY GR CR and MC4	-1,086	-1,036	-986	-936	-886	-836	-786																			
Retiree TY GR CR and MCI-2	-466	-453	-441	-428	-415	-403	-390																			
Retiree TY GR CR and GH4	-882	-855	-828	-801	-774	-747	-720																			
Retiree TY GR CR and MCI-2	-891	-864	-837	-809	-782	-755	-727																			
Retiree TY GR CR and GH2	-891	-864	-837	-809	-782	-755	-727																			
Retiree TY GR CR and MCI-2	-2,528	-2,417	-2,306	-2,195	-2,084	-1,973	-1,870																			
Retiree TY GR CR BR1-2 and MCI-2	-876	-848	-820	-793	-765	-737	-710																			
Retiree TY GR CR BR1-2 and MCI-2	-2,528	-2,417	-2,306	-2,195	-2,084	-1,973	-1,870																			
Total Capital																										
No Retirements	756,358	819,833	806,001	793,403	715,408	695,547	672,161	75,850	60,884	57,872	51,891	46,182	41,901	37,101	34,168	31,244	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY	750,292	815,940	827,483	817,898	718,565	685,247	657,099	72,437	57,623	54,764	48,936	46,772	44,869	40,655	35,922	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY and GR3	831,029	815,569	789,770	769,892	682,417	670,624	655,622	69,025	54,363	51,656	45,980	43,969	43,555	39,408	34,742	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY GR3 and BR3	822,804	806,594	782,445	762,709	676,373	664,313	644,454	63,740	49,281	46,777	41,304	39,496	39,285	35,340	30,877	28,381	27,784	26,382	20,229	18,513	13,938	13,088	12,267	11,358	7,724	
Retiree TY GR3 and CR4	855,978	855,149	826,012	803,813	706,334	674,504	654,225	69,025	54,363	51,656	45,980	43,969	43,555	39,408	34,742	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY GR3 CR4 and CR6	890,669	834,007	788,791	768,945	681,491	669,712	654,225	69,025	54,363	51,656	45,980	43,969	43,555	39,408	34,742	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY GR3 CR4 CR6 and BR1-2	786,666	761,015	757,160	758,364	685,830	667,498	659,547	69,025	45,308	43,023	37,768	36,179	36,187	34,772	33,858	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY GR3 CR and CR	800,325	835,302	846,397	836,233	736,306	701,019	691,917	69,025	54,363	51,656	45,980	43,969	43,555	39,408	34,742	31,944	27,788	20,229	18,513	13,938	13,088	12,267	11,358	7,724	7,724	
Retiree TY GR3 CR4 and GH3	785,468	801,968	773,070	751,796	669,217	669,547	670,841	69,025	45,308	43,120	37,768	36,081	35,990	32,167	27,824	25,350	24,973	21,875	14,998	14,361	13,724	13,088	12,267	11,358	7,724	
Retiree TY GR3 CR and GH1	773,327	788,620	763,224	746,352	669,217	669,547	670,841	69,025	45,308	43,120																

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	-16,066	-3,893	21,482	24,405	3,167	-10,301	-15,062	-3,413	-3,260	-3,108	-2,955	-2,803	-1,313	-1,246	-1,179	-1,112	0	0	0	0	0	0	0	0	0	
Retire TY and GR3	51,137	-272	-37,713	-40,066	-35,148	-14,623	-1,446	-3,413	-3,260	-3,108	-2,955	-2,803	-1,313	-1,246	-1,179	-1,112	0	0	0	0	0	0	0	0	0	
Retire TY GR3 and BR3	-8,615	-7,183	-7,044	-7,044	-7,044	-6,910	-8,198	-5,284	-5,082	-4,879	-4,676	-4,474	-4,271	-4,068	-3,865	-3,663	-3,460	-1,405	0	0	0	0	0	0	0	
Retire TY GR3 and CR	21,545	39,580	36,242	33,921	23,507	2,880	-11,340	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR3 CR and CR6	-25,709	-40,742	-37,221	-34,888	-24,833	-3,792	9,015	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR3 CR and BR1-2	-89,852	-52,592	-31,630	-10,581	4,042	-3,822	-10,630	-9,477	-9,055	-8,634	-8,212	-7,790	-7,369	-6,948	-6,527	-6,106	-5,685	-5,264	-4,843	-4,422	-4,001	-3,580	-3,159	-2,738	-2,317	
Retire TY GR3 and CR	-29,945	20,895	57,606	67,288	54,815	31,307	17,589	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Retire TY GR3 CR and GH1	-14,857	-29,666	-58,169	-62,272	-72,727	-84,437	-97,163	-110,634	-124,344	-138,154	-151,964	-165,774	-179,584	-193,394	-207,204	-221,014	-234,824	-248,634	-262,444	-276,254	-290,064	-303,874	-317,684	-331,494	-345,304	
Retire TY GR and CR	-26,998	-66,682	-83,173	-71,581	-42,338	-26,914	-20,426	-2,136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	80,126	83,217	59,804	37,128	12,304	-1,038	-5,320	-1,014	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	24,940	51,624	41,166	18,666	3,568	11,086	18,067	-5,075	-8,801	-11,885	-15,069	-18,253	-21,437	-24,621	-27,805	-30,989	-34,173	-37,357	-40,541	-43,725	-46,909	-50,093	-53,277	-56,461	-59,645	
Retire TY GR CR and GH4	71,010	72,519	47,668	23,880	16,698	3,164	-3,701	-8,440	-13,179	-17,918	-22,657	-27,396	-32,135	-36,874	-41,613	-46,352	-51,091	-55,830	-60,569	-65,308	-70,047	-74,786	-79,525	-84,264	-89,003	
Retire TY GR CR and MCA	21,849	48,176	37,673	14,702	-562	7,205	15,041	-4,906	-341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	54,857	56,668	31,519	8,137	2,168	-1,247	-17,800	-22,006	-21,363	-20,720	-20,077	-19,434	-18,791	-18,148	-17,505	-16,862	-16,219	-15,576	-14,933	-14,290	-13,647	-13,004	-12,361	-11,718	-11,075	
Retire TY GR CR and MCI-2	-22,146	-22,097	-10,696	-4,759	-4,204	8,071	11,570	-4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	17,302	15,823	15,812	6,758	-4,618	1,691	8,655	-9,477	-9,055	-8,634	-8,212	-7,790	-7,369	-6,948	-6,527	-6,106	-5,685	-5,264	-4,843	-4,422	-4,001	-3,580	-3,159	-2,738	-2,317	
Retire TY GR CR BR1-2 and MCI-2	-41,234	-47,432	-46,551	-32,586	-24,208	-16,167	-354	-4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement-OR&M Cost

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement-OR&M Cost Delta

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCA	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Expiring Unit-Fixed-OR&M

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	
No Retirements																										
Retire TY	318,024	324,385	330,872	337,490	344,240	351,124	358,147	365,314	372,628	380,092	387,708	395,478	403,404	411,488	419,732	428,138	436,707	445,441	454,341	463,408	472,644	482,051	491,630	501,383	511,312	
Retire TY and GR3	311,416	317,645	323,998	330,478	337,087	343,829	350,705	357,718	364,869	372,158	379,587	387,158	394,873	402,734	410,744	418,905	427,219									

Discount Rate:

	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110
Retiree TY GR CR and MC4	219,158	223,541	228,612	232,572	237,233	241,968	246,807																				
Retiree TY GR CR and TCI	218,919	223,297	227,765	232,318	236,964	241,704	246,538																				
Retiree TY GR CR and GH4	226,948	231,807	236,116	240,659	245,655	250,569	255,580																				
Retiree TY GR CR and MC3	219,193	223,577	228,049	232,610	237,262	242,007	246,847																				
Retiree TY GR CR and GH2	224,941	229,439	234,028	238,709	243,483	248,353	253,320																				
Retiree TY GR CR and MC1-2	209,054	207,115	211,257	215,482	219,792	224,188	228,671																				
Retiree TY GR CR and BR1-2	228,286	232,852	237,509	242,259	247,104	252,046	257,087																				
Retiree TY GR CR BR1-2 and MC1-2	186,045	189,765	193,561	197,432	201,381	205,408	209,516																				

Excluding Unit-Fixed O&M Delta

No Retirements																												
Retiree TY	-634	-647	-660	-673	-686	-700	-714																					
Retiree TY and GR3	-6,608	-6,740	-6,875	-7,012	-7,153	-7,296	-7,442																					
Retiree TY GR3 and BR3	-23,589	-23,041	-23,502	-23,972	-24,451	-24,940	-25,439																					
Retiree TY GR3 and GH4	-10,232	-10,596	-10,968	-11,347	-11,734	-12,129	-12,532																					
Retiree TY GR3 CR and CR6	-15,418	-15,777	-16,041	-16,362	-16,689	-17,023	-17,364																					
Retiree TY GR3 CR6 and BR1-2	-17,009	-17,349	-17,696	-18,050	-18,411	-18,779	-19,155																					
Retiree TY GR3 CR and CR	-19,387	-19,775	-20,170	-20,573	-20,985	-21,405	-21,833																					
Retiree TY GR3 CR and GH3	-18,998	-19,286	-19,672	-20,055	-20,446	-20,876	-21,293																					
Retiree TY GR3 CR and GH1	-27,230	-27,774	-28,390	-28,997	-29,474	-30,064	-30,665																					
Retiree TY GR and CR	-13,084	-13,346	-13,613	-13,885	-14,165	-14,446	-14,735																					
Retiree TY GR CR and MC4	-26,138	-26,660	-27,194	-27,737	-28,292	-28,858	-29,435																					
Retiree TY GR CR and TCI	-26,377	-26,904	-27,442	-27,991	-28,551	-29,122	-29,704																					
Retiree TY GR CR and GH4	-18,347	-18,714	-19,089	-19,470	-19,860	-20,257	-20,662																					
Retiree TY GR CR and MC3	-26,102	-26,624	-27,156	-27,699	-28,253	-28,818	-29,395																					
Retiree TY GR CR and GH2	-20,355	-20,762	-21,177	-21,600	-22,032	-22,473	-22,923																					
Retiree TY GR CR and MC1-2	-42,242	-43,086	-43,948	-44,827	-45,724	-46,638	-47,571																					
Retiree TY GR CR and BR1-2	-17,009	-17,349	-17,696	-18,050	-18,411	-18,779	-19,155																					
Retiree TY GR CR BR1-2 and MC1-2	-42,242	-43,086	-43,948	-44,827	-45,724	-46,638	-47,571																					

New Controls Fixed O&M

No Retirements																												
Retiree TY	75,700	77,213	78,758	80,333	81,940	83,573	85,250																					
Retiree TY and GR3	68,613	69,985	71,385	72,812	74,269	75,754	77,269																					
Retiree TY GR3 and BR3	61,266	62,796	64,012	65,292	66,598	67,930	69,288																					
Retiree TY GR3 and GH4	59,971	61,170	62,384	63,614	64,914	66,213	67,537																					
Retiree TY GR3 CR and CR6	56,049	57,170	58,314	59,480	60,669	61,883	63,121																					
Retiree TY GR3 CR6 and BR1-2	46,600	47,532	48,483	49,452	50,441	51,450	52,479																					
Retiree TY GR3 CR and CR	41,271	42,097	42,938	43,797	44,673	45,567	46,478																					
Retiree TY GR3 CR and GH1	41,251	42,076	42,917	43,775	44,651	45,544	46,455																					
Retiree TY GR and CR	33,935	34,614	35,306	36,012	36,732	37,467	38,216																					
Retiree TY GR CR and MC4	31,670	32,304	32,950	33,609	34,281	34,967	35,666																					
Retiree TY GR CR and TCI	32,495	33,146	33,809	34,485	35,175	35,878	36,596																					
Retiree TY GR CR and GH4	32,094	32,736	33,390	34,058	34,739	35,434	36,143																					
Retiree TY GR CR and MC3	31,995	32,656	33,288	33,954	34,633	35,326	36,032																					
Retiree TY GR CR and GH2	21,999	21,827	22,264	22,709	23,163	23,626	24,099																					
Retiree TY GR CR and MC1-2	20,661	21,074	21,496	21,926	22,364	22,812	23,268																					
Retiree TY GR CR and BR1-2	31,584	32,105	32,660	33,217	33,817	34,471	35,168																					
Retiree TY GR CR BR1-2 and MC1-2	18,310	18,676	19,050	19,431	19,819	20,216	20,620																					

New Controls Fixed O&M Delta

No Retirements																												
Retiree TY	-7,087	-7,229	-7,373	-7,521	-7,671	-7,824	-7,981																					
Retiree TY and GR3	-7,087	-7,229	-7,373	-7,521	-7,671	-7,824	-7,981																					
Retiree TY GR3 and BR3	-1,555	-1,586	-1,618	-1,650	-1,683	-1,717	-1,751																					
Retiree TY GR3 and GH4	-5,477	-5,596	-5,698	-5,812	-5,928	-6,047	-6,168																					
Retiree TY GR3 CR and CR6	-7,098	-7,240	-7,385	-7,532	-7,683	-7,837	-7,994																					
Retiree TY GR3 CR6 and BR1-2	-2,351	-2,398	-2,446	-2,495	-2,545	-2,596	-2,646																					
Retiree TY GR3 CR and CR	-5,779	-5,895	-6,013	-6,133	-6,255	-6,381	-6,508																					
Retiree TY GR3 CR and GH3	-1,901	-1,939	-1,978	-2,017	-2,058	-2,099	-2,141																					
Retiree TY GR3 CR and GH1	-1,921	-1,960	-1,999	-2,039	-2,080	-2,121	-2,164																					
Retiree TY GR CR and CR	-9,237	-9,422	-9,610	-9,803	-9,999	-10,199	-10,403																					
Retiree TY GR CR and MC4	-2,264	-2,310	-2,356	-2,403	-2,451	-2,500	-2,550																					

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

8,270 8,700 8,413 8,443 8,456 8,605 8,383

System Ozone NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR6
 Retire TY GR3 CR6 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

9,004 9,150 9,223 9,217 9,486 9,471 8,704

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH1
 Retire TY GR CR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

39,565 39,075 39,978 39,870 39,854 40,395 38,967

0 0 0 0 0 0 0

Total RR Minus Emissions Expense

No Retirements
 Retire TY

Discount Rate:

2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058

- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR and CR6
- Retire TY GR3 CR CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2

4,896,254 5,088,077 5,179,239 5,249,893 5,300,957 5,325,183 5,440,912

Discount Rate:

2032 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GH1
- Retire TY GR CR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and MC3
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Production Cost Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

New Unit Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and MCI-1																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-1																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR BR1-2 and MCI-2																					

New Unit Capital Delta

No Retirements

Retire TY																					
Retire TY and GR3																					
Retire TY GR3 and BR3																					
Retire TY GR3 and CR4																					
Retire TY GR3 CR4 and CR6																					
Retire TY GR3 CR4 and BR1-2																					
Retire TY GR3 CR and CR																					
Retire TY GR3 CR and GH1																					
Retire TY GR and CR																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and MCI-1																					
Retire TY GR CR and GH4																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR and GH2																					
Retire TY GR CR and MCI-1																					
Retire TY GR CR and MCI-2																					
Retire TY GR CR BR1-2 and MCI-2																					

New Controls Capital

No Retirements

Retire TY	7,071																				
Retire TY and GR3	7,071																				
Retire TY GR3 and BR3	7,071																				
Retire TY GR3 and CR4	7,071																				
Retire TY GR3 CR4 and CR6	7,071																				
Retire TY GR3 CR4 and BR1-2	7,071																				
Retire TY GR3 CR and CR	7,071																				
Retire TY GR3 CR and GH1	7,071																				
Retire TY GR and CR	7,071																				
Retire TY GR CR and MCI-2	7,071																				
Retire TY GR CR and MCI-1	7,071																				
Retire TY GR CR and GH4	7,071																				
Retire TY GR CR and MCI-2	7,071																				
Retire TY GR CR and GH2	7,071																				
Retire TY GR CR and MCI-1	7,071																				
Retire TY GR CR and MCI-2	7,071																				
Retire TY GR CR BR1-2 and MCI-2	7,071																				

New Controls Capital Delta

No Retirements

Retire TY	0																				
Retire TY and GR3	0																				
Retire TY GR3 and BR3	0																				
Retire TY GR3 and CR4	0																				
Retire TY GR3 CR4 and CR6	0																				
Retire TY GR3 CR4 and BR1-2	0																				
Retire TY GR3 CR and CR	0																				
Retire TY GR3 CR and GH1	0																				
Retire TY GR and CR	0																				
Retire TY GR CR and MCI-2	0																				
Retire TY GR CR and MCI-1	0																				
Retire TY GR CR and GH4	0																				
Retire TY GR CR and MCI-2	0																				
Retire TY GR CR and GH2	0																				
Retire TY GR CR and MCI-1	-7,071																				
Retire TY GR CR and MCI-2	0																				
Retire TY GR CR BR1-2 and MCI-2	0																				

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

MTP Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

MTP Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TCL
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2

Landfill Capital Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Water Capital
 No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GR3
 Retire TY GR3 CR and GR1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR BR1-2 and MC1-2

Water Capital Data
 No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GR3
 Retire TY GR3 CR and GR1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Total Capital	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
No Retirements	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GR1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Capital Data

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
No Retirements	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR4 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR4 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost

No Retirements

Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement O&M Cost Delta

No Retirements

Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCI	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCI-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Exhibit Line Item Effect O&M

No Retirements

Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078 2079

Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2 and MCL-2

Existing Unit Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CH4
 Retire TY GR3 CH4 and CR6
 Retire TY GR3 CH4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Fixed O&M

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CH4 and CR6
 Retire TY GR3 CH4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

New Controls Fixed O&M Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CH4 and CR6
 Retire TY GR3 CH4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2

Total Revenue Requirements

No Retirements 7,071 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCI3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2

System Annual NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH1
 Retire TY GR3 CR and CR
 Retire TY GR CR and MCI4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCI3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

System Ozone NOx Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR3 CR and CR
 Retire TY GR CR and MCI4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCI3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

System Total Emissions Expense

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR CR and CR
 Retire TY GR CR and MCI4
 Retire TY GR CR and TCI
 Retire TY GR CR and GH4
 Retire TY GR CR and MCI3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCI-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCI-2

Total BR Minus Emissions Expense

No Retirements
 Retire TY

10/25/2011

Discount Rate:

2052 2053 2054 2055 2056 2057 2058 2059 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR5
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH3
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MC4
Retire TY GR CR and TC1
Retire TY GR CR and GH4
Retire TY GR CR and MC3
Retire TY GR CR and GH2
Retire TY GR CR and MC1-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MC1-2

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRLFFP 0	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0
BR	BRLSAM 0	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BRLSCR 0	5,355	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	1,380	0	0	0	0	0	0	0	0	0	0	0	0
BR	BRZAFP 0	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0
BR	BRZSCR 0	6,095	5,893	5,690	5,487	5,284	5,082	4,879	4,676	4,474	4,271	4,068	3,865	3,663	3,460	1,405	0	0	0	0	0	0	0	0
GH	GHLFFP 0	6,673	6,321	5,969	2,424	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GHLSAM 0	738	699	661	268	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GHLSCR 0	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,489	253	
GH	GHZAFP 0	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	0	0	0	0
GH	GHZSAM 0	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,256	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,471	7,071
GH	GHZSCR 0	9,669	9,372	9,075	8,777	8,480	8,183	7,886	7,588	7,291	6,994	6,697	6,400	6,102	5,805	5,508	5,211	4,912	4,614	4,316	4,018	3,720	3,422	3,124
GH	GHSAAM 0	809	782	756	730	703	677	650	624	598	571	545	518	492	465	405	21	0	0	0	0	0	0	0
GH	GHSAFP 0	8,000	8,610	8,319	8,029	7,739	7,448	7,158	6,867	6,577	6,287	5,996	5,706	5,416	5,125	4,835	0	0	0	0	0	0	0	0
GH	GHASAM 0	814	786	758	730	701	673	645	617	589	561	532	504	476	117	0	0	0	0	0	0	0	0	0
MC	MCLFFP 0	8,313	7,850	3,188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLSAM 0	6,754	6,577	2,590	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLSCR 0	431	407	165	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLFSD 0	6,114	5,836	5,518	5,220	4,922	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZFP 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSCR 0	5,867	5,626	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	3,388	3,214	3,040	2,863	188	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	77	73	69	64	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	6,834	6,499	6,165	5,830	4,673	341	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	691	652	213	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	10,183	9,661	9,139	7,976	573	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	7,069	6,707	6,344	5,937	398	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MCLZSAMD 0	789	748	708	618	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCLFFP 0	6,171	5,897	5,623	5,349	5,075	4,801	4,526	261	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFP 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSD 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSAM 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSCR 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSAMD 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSAMD 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSAMD 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSAMD 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CRFFSAMD 0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GRFFP 0	2,050	1,967	1,884	1,800	1,717	1,634	1,550	1,467	1,384	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GRFFSD 0	57	55	52	50	48	45	43	41	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GRFFSAM 0	1,316	1,249	1,182	1,115	1,048	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	0	0	0	0	0	0	0	0	0	0
GR	GRFFSCR 0	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GRFFSAMD 0	2,653	2,524	2,395	2,265	2,136	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GRFFSAMD 0	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units	0	0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1	3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	5,240	5,344
BR	BR2	6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	9,569	9,757
BR	BR3	15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	19,664	20,051
CR	CR4	14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	15,870	16,184
CR	CR5	11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	16,875	17,208
CR	CR6	10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	13,422	13,689
GH	GH1	17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	23,702	24,169
GH	GH2	12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	17,718	18,070
GH	GH3	17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	16,460	16,788
GH	GH4	11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	15,971	16,288
GR	GR3	4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	5,754	5,871
GR	GR4	7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	11,389	11,615
MC	MC1	11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	16,715	17,046
MC	MC2	16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	20,056	20,452
MC	MC3	18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	22,722	23,175
MC	MC4	16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	22,752	23,204
TC	TC1	17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	22,960	23,415
TY	TY3	410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541	551	561

Retirement Cost		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,665	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BR1	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147	
BR	BR2	167	114	271	423	571	717	860	1,001	1,139	1,275	1,408	1,539	1,673	1,794	1,922	2,052	2,182	2,313	2,446	2,579	2,714	2,850	2,988	3,126	3,266	3,407	3,550	
BR	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,153	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,488	8,843	
CR	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,067	2,159	2,251	2,343	2,436	2,529	2,622	
CR	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,247	2,354	2,461	2,568	2,675	2,782	2,889	
CR	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,026	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,201	3,346	3,491	3,637	3,782	3,927	4,072	
GH	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,231	9,814	10,404	10,995	11,584	12,170	12,752	13,331	13,907	14,481	15,053	15,623	
GH	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,405	9,999	10,599	11,204	11,814	12,430	13,052	13,680	14,314	14,954	15,601	16,255	
GH	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,944	13,567	14,196	14,831	15,472	16,121	
GH	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,489	11,088	11,692	12,302	12,917	13,538	14,166	14,800	15,440	16,087	
GR	GR5	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247	1,295
GR	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742	
MC	MC1	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027	
MC	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,197	5,555	5,916	6,279	6,642	7,007	7,372	7,739	8,106	8,475	8,845	9,216	9,588	9,961	
MC	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940	
MC	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,266	12,852	13,440	14,031	14,624	15,219	15,816	
TC	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577	
TC	TC2	549	166	386	602	833	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127	
TY	TY5	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017	

2.500% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
2029 MC																														
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2040 MC																														
2041 TC			281	368	350	333	318	304	291	278	264	251	238	225	211	203	198	193	189	184	179	175	170	165	161	156	152	147	143	
2042 TC				288	377	358	341	326	312	298	284	271	257	244	230	217	208	203	198	193	188	184	179	174	170	165	160	155	151	
2043 TC					295	387	367	350	334	319	305	292	278	264	250	236	222	213	208	203	198	193	188	184	179	174	169	164	160	
2044 TC							303	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306	306
2045 TC								310	318	326	334	342	351	360	369	378	387	397	407	417	428	438	449	461	472	484	496	508	521	
2046 TC																														
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2100 TC																														

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036		
2040 GR																														
2011 BR		468	629	480	595	565	538	513	489	464	440	415	391	367	350	341	332	323	315	306	297	288	279	271	262	253	244	235		
2012 BR																														
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2039 BR																														
2040 BR																														
2011 GR		94	134	96	127	120	114	108	103	98	92	87	81	76	72	70	68	65	63	61	58	56	54	52	49	47	45	42		
2012 GR																														
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2040 GR																														
2011 TY		94	137	96	129	122	116	111	105	99	94	88	83	77	73	71	68	66	63	61	58	56	53	51	48	46	43	41		
2012 TY																														
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Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029 MC		2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389	2389
2030 MC		2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586	2586
2031 MC		2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790	2790
2032 MC		3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003	3003
2033 MC		3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231	3231
2034 MC		3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480	3480
2035 MC		3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754	3754
2036 MC		4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057	4057
2037 MC		2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848	2848
2038 MC		2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920	2920
2039 MC		3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063	3063
2040 MC		3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228	3228
2041 TC		142	138	133	128	124	119	114	110	105	101	96	91	87	82	77	72	68	64	60	56	52	48	44	40
2042 TC		151	146	141	136	132	127	122	117	113	108	103	98	94	89	84	79	75	71	67	63	59	55	51	47
2043 TC		159	154	149	145	140	135	130	125	120	115	111	106	101	96	91	86	81	77	73	69	65	61	57	53
2044 TC		168	163	158	153	148	143	138	133	128	123	118	113	108	103	98	93	88	83	79	75	71	67	63	59
2045 TC		178	172	167	162	157	152	147	142	137	132	127	122	117	112	107	102	97	92	88	84	80	76	72	68
2046 TC		187	182	177	171	166	161	156	151	145	140	135	130	124	119	114	109	103	98	93	88	83	78	73	68
2047 TC		197	192	187	181	176	170	165	160	154	149	144	138	133	127	122	117	111	106	101	95	90	85	80	75
2048 TC		208	202	197	191	186	180	175	169	164	158	153	147	142	136	131	125	120	114	109	103	98	92	87	81
2049 TC		219	213	207	202	196	190	185	179	173	168	162	156	151	145	139	134	128	123	117	111	106	100	94	88
2050 TC		230	224	218	212	207	201	195	189	183	178	172	166	160	155	149	143	137	131	126	120	114	108	102	96
2051 TC		241	236	230	224	218	212	206	200	194	188	182	176	170	164	158	152	147	141	135	129	123	117	111	105
2052 TC		254	248	241	235	229	223	217	211	205	199	193	187	181	175	168	162	156	150	144	138	132	126	120	114
2053 TC		266	260	254	247	241	235	229	223	216	210	204	198	191	185	179	173	166	160	154	148	141	135	129	123
2054 TC		279	273	266	260	254	247	241	234	228	222	215	209	203	196	190	183	177	171	164	158	151	145	139	133
2055 TC		299	293	286	280	273	267	260	253	247	240	234	227	221	214	208	201	194	188	181	175	168	162	155	149
2056 TC		325	320	313	307	300	294	287	280	273	266	259	253	246	239	232	225	218	211	204	197	191	184	177	170
2057 TC		353	348	341	334	327	320	313	306	299	292	285	278	271	264	257	250	243	236	229	222	215	208	201	194
2058 TC		382	376	370	363	356	349	342	335	328	321	314	307	300	293	286	279	272	265	258	251	244	237	230	223
2059 TC		412	406	400	393	386	379	372	365	358	351	344	337	330	323	316	309	302	295	288	281	274	267	260	253
2060 TC		444	438	432	425	418	411	404	397	390	383	376	369	362	355	348	341	334	327	320	313	306	299	292	285
2061 TC		476	470	464	457	450	443	436	429	422	415	408	401	394	387	380	373	366	359	352	345	338	331	324	317
2062 TC		511	505	499	492	485	478	471	464	457	450	443	436	429	422	415	408	401	394	387	380	373	366	359	352
2063 TC		547	541	535	528	521	514	507	500	493	486	479	472	465	458	451	444	437	430	423	416	409	402	395	388
2064 TC		588	582	576	569	562	555	548	541	534	527	520	513	506	499	492	485	478	471	464	457	450	443	436	429
2065 TC		632	626	620	613	606	599	592	585	578	571	564	557	550	543	536	529	522	515	508	501	494	487	480	473
2066 TC		682	676	670	663	656	649	642	635	628	621	614	607	600	593	586	579	572	565	558	551	544	537	530	523
2067 TC		734	728	722	715	708	701	694	687	680	673	666	659	652	645	638	631	624	617	610	603	596	589	582	575
2068 TC		788	782	776	769	762	755	748	741	734	727	720	713	706	699	692	685	678	671	664	657	650	643	636	629
2069 TC		842	836	830	823	816	809	802	795	788	781	774	767	760	753	746	739	732	725	718	711	704	697	690	683
2070 TC		896	890	884	877	870	863	856	849	842	835	828	821	814	807	800	793	786	779	772	765	758	751	744	737
2071 TC		950	944	938	931	924	917	910	903	896	889	882	875	868	861	854	847	840	833	826	819	812	805	798	791
2072 TC		1004	1000	996	992	988	984	980	976	972	968	964	960	956	952	948	944	940	936	932	928	924	920	916	912
2073 TC		1058	1055	1052	1049	1046	1043	1040	1037	1034	1031	1028	1025	1022	1019	1016	1013	1010	1007	1004	1001	998	995	992	989
2074 TC		1112	1110	1108	1106	1104	1102	1100	1098	1096	1094	1092	1090	1088	1086	1084	1082	1080	1078	1076	1074	1072	1070	1068	1066
2075 TC		1166	1165	1164	1163	1162	1161	1160	1159	1158	1157	1156	1155	1154	1153	1152	1151	1150	1149	1148	1147	1146	1145	1144	1143
2076 TC		1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220	1220

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2040 GR			4,218	5,639	5,356	5,099	4,864	4,649	4,443	4,236	4,030	3,824	3,618	3,412	3,206	3,065	2,987	2,910	2,833	2,755	2,678	2,601	0	0	0
2011 BR			218	209	200	191	182	173	165	156	147	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012 BR			241	232	223	214	205	196	187	178	169	160	151	0	0	0	0	0	0	0	0	0	0	0	0
2013 BR			256	247	238	229	219	210	201	192	182	173	164	154	0	0	0	0	0	0	0	0	0	0	0
2014 BR			272	263	254	244	234	225	215	206	196	187	177	168	158	0	0	0	0	0	0	0	0	0	0
2015 BR			289	279	269	259	249	239	229	219	209	199	189	179	169	0	0	0	0	0	0	0	0	0	0
2016 BR			306	296	286	276	266	256	246	236	226	216	206	196	186	176	166	0	0	0	0	0	0	0	0
2017 BR			324	314	303	293	283	273	263	252	242	232	222	211	201	191	181	170	0	0	0	0	0	0	0
2018 BR			343	332	322	311	301	290	280	269	259	248	238	227	217	206	195	185	175	0	0	0	0	0	0
2019 BR			362	351	340	330	319	308	297	287	276	265	254	244	233	222	211	201	190	179	0	0	0	0	0
2020 BR			382	371	360	349	338	327	316	305	294	283	272	261	250	239	228	217	206	195	189	0	0	0	0
2021 BR			403	391	380	369	358	346	335	324	312	301	290	278	267	256	245	233	222	211	199	188	0	0	0
2022 BR			424	413	401	390	378	367	355	343	332	320	309	297	285	274	262	251	239	228	216	204	193	0	0
2023 BR			447	435	423	411	399	388	376	364	352	340	328	316	304	293	281	269	257	245	233	221	209	198	0
2024 BR			470	458	446	434	422	409	397	385	373	361	349	336	324	312	300	288	276	263	251	239	227	215	203
2025 BR			495	482	470	457	445	432	420	407	395	382	370	357	345	332	320	307	295	282	270	257	245	233	220
2026 BR			531	507	494	481	469	456	443	430	417	405	392	379	366	353	341	328	315	302	290	277	264	251	238
2027 BR			580	544	520	506	493	480	467	454	441	428	415	402	388	375	362	349	336	323	310	297	284	271	257
2028 BR			632	595	568	553	539	526	512	499	485	472	458	445	432	418	404	390	376	362	348	334	320	306	292
2029 BR			686	648	618	599	582	565	548	531	514	497	483	469	454	439	424	408	393	378	363	347	331	315	300
2030 BR			742	703	672	651	631	611	591	571	551	530	516	501	487	472	458	443	428	414	400	385	371	356	342
2031 BR			801	761	721	691	661	641	621	601	581	561	541	521	501	481	461	441	421	401	381	361	341	321	301
2032 BR			862	821	780	739	698	657	616	588	573	558	543	529	514	499	484	469	454	440	425	410	395	380	365
2033 BR			926	883	841	799	757	715	673	631	603	587	572	557	542	527	511	496	481	466	451	435	420	405	390
2034 BR			997	949	905	862	819	776	733	690	647	618	602	586	571	555	540	524	509	493	477	462	446	431	415
2035 BR			1,077	1,022	973	928	884	840	795	751	707	673	653	637	621	605	589	573	557	541	525	509	493	477	461
2036 BR			1,166	1,104	1,048	997	951	906	861	815	770	735	700	675	650	634	618	602	586	569	553	537	521	505	489
2037 BR			890	1,195	1,131	1,074	1,022	975	928	882	836	789	743	697	665	648	632	615	598	581	564	548	531	514	497
2038 BR			912	1,225	1,161	1,101	1,047	999	952	904	857	809	762	714	682	664	647	630	613	596	579	561	544	527	510
2039 BR			935	1,256	1,192	1,128	1,074	1,024	975	927	878	829	781	732	699	681	663	646	628	611	593	575	558	541	524
2040 BR			959	1,287	1,218	1,155	1,100	1,050	1,000	950	900	850	800	750	715	698	680	662	644	626	608	590	572	554	536
2011 GR			40	38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2012 GR			44	41	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2013 GR			47	45	42	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2014 GR			51	48	46	43	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2015 GR			54	52	49	47	44	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2016 GR			58	56	53	51	48	45	43	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2017 GR			63	60	57	55	52	49	47	44	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2018 GR			67	64	61	59	56	53	50	48	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2019 GR			71	68	66	63	60	57	55	52	49	46	0	0	0	0	0	0	0	0	0	0	0	0	0
2020 GR			76	73	70	67	64	62	59	56	53	50	47	0	0	0	0	0	0	0	0	0	0	0	0
2021 GR			81	78	75	72	69	66	63	60	57	54	51	48	0	0	0	0	0	0	0	0	0	0	0
2022 GR			86	83	80	77	74	71	68	65	62	59	56	53	50	0	0	0	0	0	0	0	0	0	0
2023 GR			91	88	85	82	79	76	72	69	66	63	60	57	54	51	0	0	0	0	0	0	0	0	0
2024 GR			96	93	90	87	84	81	77	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0
2025 GR			102	99	96	92	89	86	83	79	76	73	70	66	63	60	57	54	0	0	0	0	0	0	0
2026 GR			110	105	101	98	95	91	88	85	81	78	75	71	68	65	61	58	55	0	0	0	0	0	0
2027 GR			121	113	107	104	100	97	94	90	87	83	80	77	73	70	66	63	60	56	0	0	0	0	0
2028 GR			132	124	116	110	106	103	99	96	92	89	86	82	79	75	72	68	65	61	58	0	0	0	0
2029 GR			144	135	127	119	113	109	105	102	98	95	91	88	84	81	77	73	70	66	63	59	0	0	0
2030 GR			156	148	139	130	122	115	112	108	104	101	97	93	90	86	83	79	75	72	68	64	61	0	0
2031 GR			169	160	151	142	133	125	118	115	111	107	103	100	96	92	88	85	81	77	73	70	66	62	0
2032 GR			182	173	164	155	146	137	128	121	117	114	110	106	102	98	94	91	87	83	79	75	71	67	64
2033 GR			196	187	177	168	159	150	140	131	124	120	116	113	109	105	101	97	93	89	85	81	77	73	69
2034 GR			212	201	191	182	172	163	153	144	134	127	123	119	115	111	107	103	99	95					

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		278	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		178	182	187	192	197	204	211	218	226	234	242	250	258	264	271	278	286	294	302	310	318	326	334
	2039 TY		182	187	192	197	204	211	218	226	234	242	250	258	264	271	278	286	294	302	310	318	326	334	342
	2040 TY																								

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319	
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180	
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431	
CR	CR4	155	258	840	1,095	1,216	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810	
CR	CR5	168	279	910	1,187	1,318	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962	
CR	CR6	240	399	1,300	1,696	1,882	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960	
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439	
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732	
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602	
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569	
GR	GR3	68																		
GR	GR4	95																		
MC	MC1	303																		
MC	MC2	301																		
MC	MC3	391																		
MC	MC4	477																		
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596	
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721	
TY	TY3	71																		
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372	
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426	
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132	
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513	
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061	
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158	
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397	
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944	
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318	

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
	BR Landfill O&M Savings		4,256	4,384	4,515	4,651									
	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
BR	BR1	101	0	0	0	553	743	1,016	1,104	1,050	606	577	548	491	462	433	413	403	393	382	372	361	351	340	330	320	309
BR	BR2	167	0	0	0	915	1,228	1,663	2,087	2,616	3,002	3,377	3,748	4,113	4,481	4,850	5,219	5,588	5,957	6,326	6,695	7,064	7,433	7,802	8,171	8,540	8,909
BR	BR3	416	0	0	0	2,279	3,060	3,841	4,622	5,403	6,184	6,965	7,746	8,527	9,308	10,089	10,870	11,651	12,432	13,213	13,994	14,775	15,556	16,337	17,118	17,899	18,680
CR	CR4	155	0	0	0	980	1,582	2,184	2,786	3,388	3,990	4,592	5,194	5,796	6,398	6,999	7,601	8,203	8,805	9,407	10,009	10,611	11,213	11,815	12,417	13,019	13,621
CR	CR5	168	0	0	0	1,062	1,715	2,368	3,021	3,674	4,327	4,980	5,633	6,286	6,939	7,592	8,245	8,898	9,551	10,204	10,857	11,510	12,163	12,816	13,469	14,122	14,775
CR	CR6	240	0	0	0	1,518	2,449	3,380	4,311	5,242	6,173	7,104	8,035	8,966	9,897	10,828	11,759	12,690	13,621	14,552	15,483	16,414	17,345	18,276	19,207	20,138	21,069
GH	GH1	475	0	0	0	1,462	1,954	2,446	2,938	3,430	3,922	4,414	4,906	5,398	5,890	6,382	6,874	7,366	7,858	8,350	8,842	9,334	9,826	10,318	10,810	11,302	11,794
GH	GH2	484	0	0	0	1,488	1,991	2,494	2,997	3,500	4,003	4,506	5,009	5,512	6,015	6,518	7,021	7,524	8,027	8,530	9,033	9,536	10,039	10,542	11,045	11,548	12,051
GH	GH5	480	0	0	0	1,477	1,975	2,473	2,971	3,469	3,967	4,465	4,963	5,461	5,959	6,457	6,955	7,453	7,951	8,449	8,947	9,445	9,943	10,441	10,939	11,437	11,935
GR	GR4	479	0	0	0	1,474	1,971	2,469	2,967	3,465	3,963	4,461	4,959	5,457	5,955	6,453	6,951	7,449	7,947	8,445	8,943	9,441	9,939	10,437	10,935	11,433	11,931
GR	GR3	68	0	0	0	586	837	1,088	1,339	1,590	1,841	2,092	2,343	2,594	2,845	3,096	3,347	3,598	3,849	4,100	4,351	4,602	4,853	5,104	5,355	5,606	5,857
GR	GR4	95	0	0	0	819	1,169	1,519	1,869	2,219	2,569	2,919	3,269	3,619	3,969	4,319	4,669	5,019	5,369	5,719	6,069	6,419	6,769	7,119	7,469	7,819	8,169
MC	MC1	303	0	0	0	1,215	1,774	2,333	2,892	3,451	4,010	4,569	5,128	5,687	6,246	6,805	7,364	7,923	8,482	9,041	9,600	10,159	10,718	11,277	11,836	12,395	12,954
MC	MC2	301	0	0	0	1,207	1,762	2,317	2,872	3,427	3,982	4,537	5,092	5,647	6,202	6,757	7,312	7,867	8,422	8,977	9,532	10,087	10,642	11,197	11,752	12,307	12,862
MC	MC3	391	0	0	0	1,568	2,289	3,010	3,731	4,452	5,173	5,894	6,615	7,336	8,057	8,778	9,499	10,220	10,941	11,662	12,383	13,104	13,825	14,546	15,267	15,988	16,709
MC	MC4	477	0	0	0	1,913	2,792	3,671	4,550	5,429	6,308	7,187	8,066	8,945	9,824	10,703	11,582	12,461	13,340	14,219	15,098	15,977	16,856	17,735	18,614	19,493	20,372
TC	TC1	363	0	0	0	770	1,008	1,246	1,484	1,722	1,960	2,198	2,436	2,674	2,912	3,150	3,388	3,626	3,864	4,102	4,340	4,578	4,816	5,054	5,292	5,530	5,768
TC	TC2	549	0	0	0	1,104	1,445	1,786	2,127	2,468	2,809	3,150	3,491	3,832	4,173	4,514	4,855	5,196	5,537	5,878	6,219	6,560	6,901	7,242	7,583	7,924	8,265
TY	TY3	71	0	0	0	586	837	1,088	1,339	1,590	1,841	2,092	2,343	2,594	2,845	3,096	3,347	3,598	3,849	4,100	4,351	4,602	4,853	5,104	5,355	5,606	5,857
BRWATER			0	0	0	3,747	5,032	6,317	7,602	8,887	10,172	11,457	12,742	14,027	15,312	16,597	17,882	19,167	20,452	21,737	23,022	24,307	25,592	26,877	28,162	29,447	30,732
CRWATER			0	0	0	3,560	4,746	5,932	7,118	8,304	9,490	10,676	11,862	13,048	14,234	15,420	16,606	17,792	18,978	20,164	21,350	22,536	23,722	24,908	26,094	27,280	28,466
TCWATER			0	0	0	5,902	8,617	11,332	14,047	16,762	19,477	22,192	24,907	27,622	30,337	33,052	35,767	38,482	41,197	43,912	46,627	49,342	52,057	54,772	57,487	60,202	62,917
GHWATER			0	0	0	1,874	2,493	3,112	3,731	4,350	4,969	5,588	6,207	6,826	7,445	8,064	8,683	9,302	9,921	10,540	11,159	11,778	12,397	13,016	13,635	14,254	14,873
GRWATER			0	0	0	5,902	7,892	9,882	11,872	13,862	15,852	17,842	19,832	21,822	23,812	25,802	27,792	29,782	31,772	33,762	35,752	37,742	39,732	41,722	43,712	45,702	47,692
MC1COOL			0	0	0	1,405	2,006	2,607	3,208	3,809	4,410	5,011	5,612	6,213	6,814	7,415	8,016	8,617	9,218	9,819	10,420	11,021	11,622	12,223	12,824	13,425	14,026

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	494	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	168	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	95	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	1,605	1,526	1,447	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TC1	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	0	0	0	0	0
TC	TC2	549	613	585	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	0	0	0	0	0
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

BRWATER	2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0	0	0
CRWATER	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER	2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER	1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	0	0	0	0	0	0	0
GRWATER	3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0	0	0
GRWATER	706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCICOOOL	1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

SORTED TABLE

Coal Units in Portfolio

Row	Trimble County 2	Trimble County 1	Mill Creek 3	Mill Creek 4	Ghent 1	Ghent 2	Ghent 3	Ghent 4	Brown 3	Mill Creek 1-2	Brown 1-2	Green River 4	Cane Run 5	Cane Run 6	Cane Run 4	Green River 3	Tyone 3	Portfolio PVRP 2011 to 2040 (\$Million)
1	X	X	X	X	X	X	X	X	X	X								46,947
2	X	X	X	X	X	X	X	X	X									46,955
3	X	X	X	X	X	X	X	X	X		X							47,056
4	X	X	X	X	X	X	X	X	X	X	X							47,130
5	X	X	X	X	X	X	X	X	X	X		X	X					47,299
6	X	X	X	X	X	X	X	X	X	X	X	X						47,345
7	X	X	X		X	X	X	X	X	X	X							47,403
8	X	X	X	X	X	X	X	X	X	X	X							47,412
9	X	X	X	X	X	X	X	X	X	X	X							47,464
10	X	X	X		X	X	X	X	X									47,472
11	X	X	X	X	X	X	X	X										47,491
12	X	X	X	X	X	X	X	X	X	X	X	X	X					47,544
13	X	X	X	X	X	X	X	X	X	X	X	X						47,651
14	X	X	X	X	X	X			X	X	X							47,653
15	X	X	X	X	X		X	X	X	X	X	X						47,685
16	X	X	X	X	X	X	X	X	X	X	X	X	X	X				47,689
17	X		X	X	X	X	X	X	X	X	X							47,697
18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X			47,879
19	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		48,053
20	X	X	X	X	X	X	X	X		X	X	X	X	X	X			48,122
21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	48,134

Coal Units in Portfolio														Portfolio PVRR 2011 to 2040 (\$Million)	
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	48,134
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	48,053
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,879
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	48,122
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,689
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,544
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,299
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,345
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,685
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,651
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,130
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,403
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,697
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,653
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,412
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,464
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,056
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	46,947
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	46,955
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,491
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	47,472

Discount Rate: 6.1%

XFSR Bid Data Request - Case 4 (\$50/Year CO2 Price)

Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033			
Retire TY GR3 CR and GH3	-184	-115	-565	-5,149	-10,740	-20,123	-29,581	-22,544	-21,518	-20,575	-19,670	-18,766	-17,862	-16,958	-16,054	-15,173	-14,316	-13,470	-13,391	-13,067	-12,743	-12,420	-12,096	-11,772	
Retire TY GR3 CR and GH1	-372	-386	-4,984	-11,693	-19,700	-29,177	-30,167	-15,156	-18,230	-17,317	-16,404	-15,492	-14,579	-13,667	-12,754	-11,842	-10,930	-10,539	-10,539	-10,539	-10,539	-10,539	-10,539	-10,539	-8,975
Retire TY GR CR and CR	-417	-862	-1,855	-5,910	-11,562	-17,214	-22,866	-12,115	-14,080	-13,330	-12,580	-11,830	-11,080	-10,330	-9,580	-8,830	-8,080	-7,330	-7,330	-7,330	-7,330	-7,330	-7,330	-7,330	-6,509
Retire TY GR CR and M4	-117	0	0	-2,000	-3,817	-5,634	-7,451	-9,268	-11,085	-12,902	-14,719	-16,536	-18,353	-20,170	-21,987	-23,804	-25,621	-27,438	-29,255	-31,072	-32,889	-34,706	-36,523	-38,340	-40,157
Retire TY GR CR and GH2	-230	0	-1,979	-3,817	-5,634	-7,451	-9,268	-11,085	-12,902	-14,719	-16,536	-18,353	-20,170	-21,987	-23,804	-25,621	-27,438	-29,255	-31,072	-32,889	-34,706	-36,523	-38,340	-40,157	-41,974
Retire TY GR CR and M2	-390	-11	-3,511	-8,264	-13,017	-17,770	-22,523	-27,276	-32,029	-36,782	-41,535	-46,288	-51,041	-55,794	-60,547	-65,300	-70,053	-74,806	-79,559	-84,312	-89,065	-93,818	-98,571	-103,324	-108,077
Retire TY GR CR and B1-2	-384	-489	-6,506	-15,709	-27,292	-41,194	-57,481	-76,168	-97,255	-120,742	-147,629	-177,916	-211,803	-249,690	-291,577	-337,464	-387,351	-441,238	-499,125	-561,012	-626,900	-696,787	-770,674	-848,561	-930,448
Retire TY GR CR B1-2 and M2	-868	0	-7,206	-15,709	-27,292	-41,194	-57,481	-76,168	-97,255	-120,742	-147,629	-177,916	-211,803	-249,690	-291,577	-337,464	-387,351	-441,238	-499,125	-561,012	-626,900	-696,787	-770,674	-848,561	-930,448
Retire TY GR CR B1-2 and B1	-417	-862	-2,854	-6,204	-10,957	-16,710	-23,463	-32,216	-43,969	-58,722	-77,475	-100,228	-128,981	-164,734	-208,487	-260,240	-320,993	-391,746	-473,499	-567,252	-674,005	-794,758	-930,511	-1,083,264	-1,255,017
Retire TY GR CR B1-2 and M2 and B1	-417	-862	-12,710	-26,673	-43,008	-61,266	-82,024	-105,782	-133,539	-166,296	-204,053	-247,810	-297,567	-356,324	-424,081	-501,838	-590,595	-691,352	-805,109	-933,866	-1,078,623	-1,240,380	-1,420,137	-1,618,894	-1,836,651
MTP Capital																									
No Retirements	883	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY	883	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY and GR3	880	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR3 and B1	813	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR3 and GH4	816	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR3 CR and GH6	824	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR3 CR and M2	809	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR3 CR and GH3	724	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR and CR	800	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR and M4	715	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR and TCI	781	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR and GH4	715	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR and M2	731	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR and GH2	714	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR and M2	693	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR B1-2 and M2	770	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR B1-2 and M2	663	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR B1-2 and M2 and B1	616	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR B1-2 and M2 and B1	578	4,778	11,562	18,173	24,637	30,976	37,315	43,654	49,993	56,332	62,671	69,010	75,349	81,688	88,027	94,366	100,705	107,044	113,383	119,722	126,061	132,400	138,739	145,078	151,417
Retire TY GR CR B1-2 and M2 and B1	-16	0	0	0	0	0	-754	-878	-999	-1,118	-1,234	-1,347	-1,458	-1,568	-1,677	-1,787	-1,898	-2,008	-2,119	-2,230	-2,341	-2,453	-2,565	-2,678	-2,792
Retire TY	-16	0	0	0	0	0	-754	-878	-999	-1,118	-1,234	-1,347	-1,458	-1,568	-1,677	-1,787	-1,898	-2,008	-2,119	-2,230	-2,341	-2,453	-2,565	-2,678	-2,792
Retire TY and GR3	-7	0	0	0	0	0	-309	-360	-410	-458	-506	-553	-603	-653	-703	-754	-805	-856	-907	-958	-1,009	-1,060	-1,111	-1,162	-1,213
Retire TY GR3 and B1	-47	0	0	0	0	0	-1,143	-1,338	-1,533	-1,728	-1,923	-2,118	-2,313	-2,508	-2,703	-2,898	-3,093	-3,288	-3,483	-3,678	-3,873	-4,068	-4,263	-4,458	-4,653
Retire TY GR3 and GH4	-14	0	0	0	0	0	-678	-790	-902	-1,014	-1,126	-1,238	-1,350	-1,462	-1,574	-1,686	-1,798	-1,910	-2,022	-2,134	-2,246	-2,358	-2,470	-2,582	-2,694
Retire TY GR3 CR and CR5	-21	0	0	0	0	0	-1,050	-1,233	-1,416	-1,600	-1,783	-1,966	-2,150	-2,333	-2,516	-2,699	-2,882	-3,065	-3,248	-3,431	-3,614	-3,797	-3,980	-4,163	-4,346
Retire TY GR3 CR and B1-2	-30	0	0	0	0	0	-1,380	-1,606	-1,832	-2,058	-2,284	-2,510	-2,736	-2,962	-3,188	-3,414	-3,640	-3,866	-4,092	-4,318	-4,544	-4,770	-4,996	-5,222	-5,448
Retire TY GR3 CR and CR	-15	0	0	0	0	0	-735	-856	-979	-1,100	-1,221	-1,342	-1,463	-1,584	-1,705	-1,826	-1,947	-2,068	-2,189	-2,310	-2,431	-2,552	-2,673	-2,794	-2,915
Retire TY GR3 CR and GH3	-85	0	0	0	0	0	-3,883	-4,524	-5,165	-5,806	-6,447	-7,088	-7,729	-8,370	-9,011	-9,652	-10,293	-10,934	-11,575	-12,216	-12,857	-13,498	-14,139	-14,780	-15,421
Retire TY GR3 CR and GH1	-84	0	0	0	0	0	-3,883	-4,524	-5,165	-5,806	-6,447	-7,088	-7,												

MEMBER	\$M	\$000	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Retire TY GR CR and GH4	457	0	0	0	0	0	24,794	26,242	29,174	31,891	35,311	35,311	37,483	38,998	42,249	45,781	53,159	58,513	62,020	72,528	77,047	79,707	80,285	86,934	86,005
Retire TY GR CR and M3	560	0	0	0	0	30,461	32,880	39,324	43,464	46,318	52,038	52,038	54,662	56,667	62,562	66,667	77,914	77,914	77,914	77,914	78,757	79,530	80,102	86,746	87,810
Retire TY GR CR and GH2	456	0	0	0	0	24,734	26,179	29,104	31,814	35,226	37,391	37,391	39,563	41,447	45,667	50,727	58,027	63,381	61,857	62,364	70,676	75,530	77,623	80,102	104,940
Retire TY GR CR and MCL-2	560	0	0	0	0	30,461	32,880	39,324	43,464	46,318	52,038	52,038	54,662	56,667	62,562	66,667	77,914	77,914	77,914	77,914	78,757	79,530	80,102	86,746	87,810
Retire TY GR CR and BR1-2	541	0	0	0	0	29,932	31,075	34,230	37,690	41,380	44,230	44,230	46,200	48,295	52,038	56,667	65,772	74,924	74,924	74,924	74,924	75,948	76,973	77,623	103,853
Retire TY GR CR and MCL-2 and BR3	513	0	0	0	0	27,176	29,205	31,800	35,154	39,145	40,988	42,343	44,303	46,200	49,293	53,864	62,170	69,365	74,090	74,812	84,046	93,348	94,787	103,853	105,686
Retire TY GR CR BR1-2, MCL-2 and MC	541	0	0	0	0	29,282	31,075	34,230	37,690	41,380	44,230	44,230	46,200	48,295	52,038	56,667	65,772	74,924	74,924	74,924	74,924	75,948	76,973	77,623	103,853
No Retirements																									
Retire TY GR and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and GR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and BR3	-29	0	0	0	0	-1,816	-1,970	-2,300	-2,536	-2,932	-3,252	-3,252	-3,422	-3,628	-4,069	-4,342	-5,591	-5,598	-5,431	-5,359	-5,291	-5,219	-4,620	-1,688	-1,585
Retire TY GR and BR4	-22	-258	-840	-1,124	-1,095	-1,216	-1,960	-1,949	-1,644	-1,277	-2,712	-2,712	-2,560	-2,096	-2,059	-2,073	-1,531	-1,768	-1,860	-1,869	-1,932	-2,000	-1,861	-1,810	-1,778
Retire TY GR CR and CR6	-46	-389	-1,300	-1,741	-1,696	-1,882	-2,221	-2,105	-1,566	-1,489	-1,699	-1,699	-1,589	-1,467	-1,467	-1,467	-1,097	-969	-969	-1,000	-1,047	-1,101	-1,083	-1,074	-1,062
Retire TY GR CR and BR1-2	-18	0	0	0	0	0	-1,170	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205
Retire TY GR CR and CR6 and BR1-2	-24	-279	-910	-1,219	-1,187	-1,318	-1,782	-2,089	-2,188	-2,188	-2,188	-2,188	-2,188	-2,188	-2,188	-2,188	-1,659	-1,916	-2,025	-2,054	-2,094	-2,168	-2,017	-1,962	-1,927
Retire TY GR CR and GH3	-103	0	0	0	0	0	-5,680	-6,051	-6,635	-7,448	-8,254	-8,254	-8,254	-8,254	-8,254	-8,254	-15,602	-15,602	-15,602	-15,602	-16,444	-17,038	-17,514	-18,044	
Retire TY GR CR and GH1	-102	0	0	0	0	0	-5,620	-5,988	-6,566	-7,371	-8,085	-8,085	-8,085	-8,085	-8,085	-8,085	-14,281	-14,281	-14,281	-14,281	-15,604	-16,273	-17,856	-18,548	
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and MCL-2 and MC	-42	0	0	0	0	0	-1,965	-2,066	-2,172	-2,260	-2,351	-2,351	-2,351	-2,351	-2,351	-2,351	-2,596	-2,596	-2,596	-2,596	-2,596	-2,596	-2,596	-2,596	
Retire TY GR CR and TCI	-103	0	0	0	0	0	-5,668	-6,038	-6,622	-7,433	-8,153	-8,153	-8,153	-8,153	-8,153	-8,153	-14,401	-14,401	-14,401	-14,401	-15,569	-16,410	-17,002	-17,478	
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	-104	0	0	0	0	0	-5,727	-6,101	-6,691	-7,510	-8,338	-8,338	-8,338	-8,338	-8,338	-8,338	-14,545	-14,545	-14,545	-14,545	-15,732	-16,581	-17,660	-18,899	
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	-18	0	0	0	0	0	-1,170	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	-1,205	
Retire TY GR CR BR1-2 and MCL-2	-29	0	0	0	0	0	-1,816	-1,970	-2,430	-2,536	-2,536	-2,536	-2,536	-2,536	-2,536	-2,536	-5,591	-5,598	-5,431	-5,359	-5,291	-4,620	-1,688	-1,585	
Retire TY GR CR BR1-2, MCL-2 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2, MCL-2 and MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Water/Capital																									
No Retirements																									
Retire TY	250	0	0	22,976	30,878	31,104	30,500	29,057	27,663	26,278	24,902	23,530	22,157	20,785	19,567	18,712	18,066	17,421	16,862	16,306	15,749	15,192	14,635	14,078	13,521
Retire TY and GR3	244	0	0	22,980	30,885	31,104	30,500	29,057	27,663	26,278	24,902	23,530	22,157	20,785	19,567	18,712	18,066	17,421	16,862	16,306	15,749	15,192	14,635	14,078	
Retire TY GR and BR3	238	0	0	21,804	30,908	29,284	29,073	27,659	26,373	25,067	23,747	22,427	21,107	19,787	18,467	17,147	15,827	14,507	13,187	11,867	10,547	9,227	7,907	6,587	
Retire TY GR and CR4	215	0	0	19,525	27,846	26,398	26,535	26,430	25,172	23,923	22,683	21,443	20,203	18,963	17,723	16,483	15,243	14,003	12,763	11,523	10,283	9,043	7,803	6,563	
Retire TY GR CR and BR1-2	212	0	0	20,824	29,326	27,800	28,189	27,735	26,430	25,172	23,923	22,683	21,443	20,203	18,963	17,723	16,483	15,243	14,003	12,763	11,523	10,283	9,043	7,803	
Retire TY GR CR CR6 and BR1-2	197	0	0	19,306	26,877	24,201	24,201	23,602	22,652	21,702	20,752	19,802	18,852	17,902	16,952	16,002	15,052	14,102	13,152	12,202	11,252	10,302	9,352	8,402	
Retire TY GR CR CR6 and CR	201	0	0	18,244	25,162	23,867	24,469	24,510	23,068	21,626	20,184	18,742	17,300	15,858	14,416	12,974	11,532	10,090	8,648	7,206	5,764	4,322	2,880	1,438	
Retire TY GR CR and GH1	186	0	0	16,787	23,208	22,011	22,702	22,525	21,477	20,429	19,381	18,333	17,285	16,237	15,189	14,141	13,093	12,045	10,997	9,949	8,901	7,853	6,805	5,757	
Retire TY GR CR and GH4	193	0	0	17,425	23,999	22,761	23,420	23,214	22,040	20,866	19,692	18,518	17,344	16,170	14,996	13,822	12,648	11,474	10,300	9,126	7,952	6,778	5,604	4,430	
Retire TY GR CR and MCL-2	173	0	0	15,512	21,201	20,113	20,904	20,820	19,657	18,494	17,331	16,168	15,005	13,842	12,679	11,516	10,353	9,190	8,027	6,864	5,701	4,538	3,375	2,212	
Retire TY GR CR and TCI	185	0	0	16,655	22,965	22,022	20,889	21,638	21,515	20,372	19,229	18,086	16,943	15,800	14,657	13,514	12,371	11,228	10,085	8,942	7,799	6,656	5,513	4,370	
Retire TY GR CR and CR4	176	0	0	15,857	21,704	20,580	21,352	20,720	19,329	18,397	17,465	16,533	15,601	14,669	13,737	12,805	11,873	10,941	10,009	9,077	8,145	7,213	6,281	5,349	
Retire TY GR CR and MCL-2	178	0	0	15,936	22,002	20,870	21,620	20,498	19,367	18,236	17,105	15,974	14,843	13,712	12,581	11,450	10,319	9,188	8,057	6,926	5,795	4,664	3,533	2,402	
Retire TY GR CR and BR1-2	152	0	0	15,093	20,457	19,408	18,454	17,500	16,546	15,592	14,638	13,684	12,730	11,776	10,822	9,868	8,914	7,960	6,999	6,038	5,077	4,116	3,155	2,194	
Retire TY GR CR BR1-2 and MCL-2	178	0	0	15,957	22,021	20,895	21,649	20,522	19,391	18,260	17,129	16,000	14,871	13,742	12,613	11,484	10,355	9,226	8,097	6,968	5,839	4,710			

Discount Rate: 6.71%

MEMBR	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Retire TY GR CR BR1-2 MCI-2 and MC	47,477	1,448,572	1,248,625	1,343,010	1,583,225	1,807,388	2,116,110	2,328,492	2,491,872	2,603,657	4,263,697	4,406,126	4,581,667	4,766,471	4,959,172	5,065,199	5,166,303	5,225,807	5,312,809	5,402,431	5,559,642	5,714,126	5,765,926	5,865,462
Total BR Minus Emissions Emergence Delta																								
No retirements																								
Retire TY	0	-1,323	-360	14,571	4,632	47,900	48,546	-38,912	15,638	86,482	61,154	-21,908	-86,632	-67,210	10,666	98,622	67,497	5,894	-47,197	-56,605	-27,477	24,288	29,903	
Retire TY GR3 and GR3	175	0	-1,323	-1,148	-6,581	-10,410	-12,058	24,764	31,109	-45,757	-52,522	-26,096	-24,060	-20,319	-16,225	-5,413	-19,571	-19,571	-22,997	-22,425	-19,999	-20,057	-39,757	-47,195
Retire TY GR3 and BR3	243	0	-204	-1,451	377	33,276	8,479	34,764	47,678	-6,495	-7,730	17,377	71,451	90,149	-25,229	-1,090	8,614	10,545	27,486	84,787	110,828	110,828	36,301	36,301
Retire TY GR3 CR4 and CR4	-590	-1,922	-8,171	-24,885	-47,205	-44,601	31,386	5,755	16,307	-19,372	-68,674	-42,329	-26,771	26,216	41,518	-17,987	-46,662	-39,359	-23,882	41,612	116,882	63,285	63,285	2,235
Retire TY GR3 CR4 and CR6	-148	-2,432	-11,751	-32,484	-47,685	-33,280	20,391	52,650	9,043	-3,939	-19,268	-10,768	-3,959	-2,823	11,737	-9,630	13,160	10,477	6,929	-49,708	-51,109	33,598	46,443	46,443
Retire TY GR3 CR4 CR6 and BR1-2	-245	-489	-6,506	-15,709	-37,663	-33,945	35,817	76,166	12,389	-72,099	-91,730	-53,548	-59,041	-6,265	-65,937	-112,628	-60,139	-43,510	18,120	90,147	-71,156	-67,482	-75,083	-75,083
Retire TY GR3 and CR	-189	-1,376	-8,764	-26,412	-50,165	-47,592	22,933	32,346	-34,594	-74,469	-46,938	-32,815	-21,113	38,520	-45,623	-85,388	-11,133	-21,147	18,793	89,629	-81,857	-71,654	-55,538	-55,538
Retire TY GR3 CR and GH3	340	-114	-565	-1,362	18,092	33,109	90,481	23,623	97,153	39,805	19,625	-12,206	-26,079	-29,334	75,662	107,269	51,473	37,672	-4,864	-56,634	27,033	105,916	82,021	82,021
Retire TY GR3 CR and GH1	306	-167	-4,894	-15,666	-4,804	13,030	87,881	71,492	60,641	11,137	-10,630	8,321	-28,509	-25,315	76,105	98,100	44,066	77,712	-1,003	-5,935	90,033	71,488	68,642	68,642
Retire TY GR CR and MCI	-215	0	-1,885	-5,910	-14,157	-10,252	26,991	55,402	81,648	51,863	17,766	17,107	69,276	-36,182	8,457	82,981	-37,854	-37,854	35,092	72,942	-15,093	45,547	129,771	129,771
Retire TY GR CR and TCI	567	0	1,587	23,794	38,535	59,691	-16,855	114	10,709	41,457	660	50,789	23,598	129,645	154,081	96,031	150,933	87,447	16,701	52,005	43,798	120,646	87,771	87,771
Retire TY GR CR and GHA	282	0	-1,379	-7,172	7,895	18,399	3,776	62,469	99,452	104,401	70,606	660	34,699	-79,111	8,777	102,570	113,731	113,731	29,274	-56,384	-16,196	59,276	72,749	72,749
Retire TY GR CR and MCI-2	334	-11	-1,645	-4,667	16,327	28,794	68,226	-14,693	15,061	52,197	16,845	49,671	-14,767	-62,885	-32,575	3,335	78,853	150,908	102,135	-10,485	-60,516	15,613	95,276	113,239
Retire TY GR CR and MCI-2 and BR1-2	74	0	-7,206	-19,811	-5,886	34,328	40,203	-63,773	-22,157	74,770	32,695	-87,711	-118,488	-26,075	72,421	89,325	14,579	28,665	27,614	-113,773	-99,089	-84,519	-54,510	104,605
Retire TY GR CR BR1-2 and MCI-2	-184	-89	-5,386	-11,922	-3,122	14,128	-9,163	76,948	-41,797	45,312	12,527	-60,484	-116,687	-86,551	-8,480	95,417	43,812	17,599	-43,745	-133,088	-136,000	85,193	16,663	-64,518
Retire TY GR CR BR1-2 and MCI-2 and BR3	536	0	-2,004	-994	20,484	30,078	69,038	9,432	101,609	39,757	21,813	-13,547	-26,577	-33,306	96,522	72,055	63,051	45,632	51,427	136,000	-65,278	23,280	102,276	70,807
Retire TY GR CR BR1-2 MCI-2 and MC	517	-862	-12,710	-29,885	-12,925	99,013	69,061	56,514	80,097	656	2,578	1,563	-1,093	16,720	51,562	47,341	51,822	34,435	-9,394	-46,340	85,347	49,276	57,554	57,554

Discount Rate:

2038

2057

2055

2054

2053

2052

2051

2050

2049

2048

2047

2046

2045

2044

2043

2042

2041

2040

2039

2038

2037

2036

2035

2034

New Unit Capital and Production Cost

No Retirements	5,180,219	5,250,764	5,315,499	5,378,970	5,474,682	5,523,362	5,694,099
Retire TY	5,152,008	5,215,787	5,283,294	5,351,084	5,451,904	5,502,875	5,616,477
Retire TY and GR3	5,110,861	5,174,089	5,265,019	5,364,101	5,480,445	5,549,457	5,657,860
Retire TY GR3 and BR3	5,168,934	5,256,736	5,332,650	5,408,270	5,528,081	5,603,686	5,690,604
Retire TY GR3 and CR4	5,138,122	5,208,690	5,285,250	5,370,508	5,504,644	5,543,161	5,664,055
Retire TY GR3 CR4 and CR6	5,214,445	5,280,580	5,369,381	5,432,123	5,542,655	5,628,185	5,734,219
Retire TY GR3 CR4 CR6 and BR1-2	5,203,496	5,286,059	5,400,454	5,474,530	5,603,417	5,652,938	5,770,957
Retire TY GR3 CR and CR	5,245,967	5,372,009	5,477,775	5,551,391	5,694,982	5,664,630	5,775,676
Retire TY GR3 CR and GH1	5,330,197	5,395,895	5,471,827	5,553,823	5,679,794	5,728,168	5,846,131
Retire TY GR3 CR and GH2	5,211,441	5,294,503	5,405,665	5,484,170	5,607,884	5,660,713	5,778,334
Retire TY GR3 CR and MCA	5,391,817	5,462,162	5,528,308	5,602,236	5,680,419	5,744,349	5,881,495
Retire TY GR CR and MCL-2	5,355,695	5,417,691	5,503,274	5,574,587	5,650,652	5,714,349	5,867,495
Retire TY GR CR and TCI	5,395,424	5,460,363	5,524,034	5,602,695	5,695,396	5,751,637	5,875,058
Retire TY GR CR and GH4	5,334,298	5,395,930	5,481,930	5,557,474	5,660,037	5,750,510	5,859,034
Retire TY GR CR and MCA	5,416,112	5,482,108	5,553,955	5,622,024	5,728,127	5,814,044	5,917,439
Retire TY GR CR and GH2	5,409,032	5,468,197	5,543,565	5,622,024	5,716,930	5,776,793	5,875,685
Retire TY GR CR and MCL-2	5,322,454	5,386,293	5,458,953	5,530,735	5,634,932	5,718,287	5,816,076
Retire TY GR CR and BR1-2	5,393,256	5,466,153	5,567,072	5,677,162	5,773,569	5,859,680	5,958,651
Retire TY GR CR BR1-2 and MCL-2	5,504,174	5,568,651	5,648,716	5,739,602	5,838,632	5,937,154	6,003,685
Retire TY GR CR BR1-2 MCL-2 and BR3	5,504,174	5,568,651	5,648,716	5,739,602	5,838,632	5,937,154	6,003,685
Retire TY GR CR BR1-2 MCL-2 and MCA	5,504,174	5,568,651	5,648,716	5,739,602	5,838,632	5,937,154	6,003,685
Retire TY GR CR BR1-2 MCL-2 and MCL-2	5,504,174	5,568,651	5,648,716	5,739,602	5,838,632	5,937,154	6,003,685
Retire TY GR CR BR1-2 MCL-2 and MCL-2 and MCA	5,504,174	5,568,651	5,648,716	5,739,602	5,838,632	5,937,154	6,003,685

Production Cost

No Retirements	4,793,691	4,839,206	4,894,432	4,975,786	5,088,857	5,153,045	5,277,425
Retire TY	4,788,676	4,833,466	4,887,670	4,980,385	5,095,679	5,160,631	5,288,067
Retire TY and GR3	4,759,471	4,804,366	4,900,865	5,013,891	5,122,756	5,181,138	5,291,640
Retire TY GR3 and BR3	4,779,480	4,864,917	4,994,313	5,045,076	5,170,281	5,239,855	5,328,759
Retire TY GR3 CR4	4,759,451	4,844,479	4,994,313	5,045,076	5,170,281	5,239,855	5,328,759
Retire TY GR3 CR4 and CR6	4,804,491	4,887,861	4,981,649	5,088,329	5,184,865	5,264,354	5,372,387
Retire TY GR3 CR4 CR6 and BR1-2	4,838,372	4,926,731	5,036,107	5,103,310	5,223,805	5,275,038	5,402,658
Retire TY GR3 CR4 CR6 and CR	4,862,043	4,954,051	5,000,908	5,080,451	5,187,823	5,244,861	5,391,529
Retire TY GR3 CR and GH3	4,883,469	4,966,590	5,061,627	5,159,638	5,279,013	5,330,624	5,460,480
Retire TY GR3 CR and GH1	4,886,083	4,967,302	5,069,092	5,159,638	5,279,013	5,330,624	5,460,480
Retire TY GR CR and CR	4,847,317	4,935,175	5,041,318	5,113,550	5,238,272	5,283,169	5,430,025
Retire TY GR CR and MCA	4,909,806	4,983,245	5,068,181	5,159,408	5,258,826	5,344,182	5,471,380
Retire TY GR CR and TCI	4,913,403	4,981,446	5,063,507	5,159,555	5,266,803	5,347,167	5,472,514
Retire TY GR CR and GH4	4,889,753	4,966,960	5,069,035	5,160,206	5,278,252	5,388,783	5,466,394
Retire TY GR CR and MCA	4,934,091	5,003,191	5,093,828	5,176,851	5,280,237	5,366,323	5,484,139
Retire TY GR CR and GH2	4,846,897	4,934,678	5,024,150	5,107,316	5,213,926	5,292,703	5,409,792
Retire TY GR CR and MCL-2	4,869,634	4,934,678	5,024,150	5,107,316	5,213,926	5,292,703	5,409,792
Retire TY GR CR BR1-2 and MCL-2	4,962,021	5,030,536	5,168,370	5,264,500	5,355,851	5,433,117	5,536,581
Retire TY GR CR BR1-2 MCL-2 and BR3	4,998,295	5,068,188	5,179,919	5,276,023	5,395,127	5,480,308	5,561,508
Retire TY GR CR BR1-2 MCL-2 and MCA	5,021,788	5,110,567	5,207,857	5,311,481	5,416,771	5,480,804	5,610,976

Production Cost Delta

No Retirements	-45,015	-15,740	3,238	4,579	6,772	7,586	10,664
Retire TY	10,795	11,440	23,195	33,526	27,127	20,566	3,574
Retire TY and GR3	20,009	39,112	34,053	31,185	47,525	56,657	37,129
Retire TY GR3 and BR3	81	19,574	14,097	11,330	30,456	12,220	35,016
Retire TY GR3 CR4	45,439	43,382	46,688	43,709	31,693	70,997	47,791
Retire TY GR3 CR4 and CR6	33,381	38,870	54,457	34,981	38,940	10,685	30,271
Retire TY GR3 CR4 CR6 and BR1-2	57,052	66,189	19,258	11,522	2,959	507	19,142
Retire TY GR3 CR and CR	21,426	12,539	60,720	70,477	74,749	87,446	66,091
Retire TY GR3 CR and GH1	24,041	13,251	68,185	79,187	91,190	65,763	68,951
Retire TY GR3 CR and CR	-14,725	-13,876	40,410	33,100	40,448	18,308	18,496
Retire TY GR CR and MCA	62,469	48,070	76,863	45,556	25,555	61,013	61,555
Retire TY GR CR and TCI	58,247	50,241	45,809	60,557	68,426	92,325	75,744
Retire TY GR CR and GH4	66,086	46,271	22,589	46,015	38,531	69,998	62,489
Retire TY GR CR and MCA	41,436	31,784	27,718	46,656	49,980	75,614	56,369
Retire TY GR CR and GH2	86,774	68,016	52,510	65,901	81,966	83,154	74,114
Retire TY GR CR and MCL-2	101,580	74,388	60,832	83,766	82,655	109,534	89,766
Retire TY GR CR and BR1-2	22,317	-497	-17,059	-1,078	-4,412	19,609	-5,062
Retire TY GR CR BR1-2 and MCL-2	92,387	115,858	134,110	152,028	131,991	130,359	132,617
Retire TY GR CR BR1-2 MCL-2 and BR3	36,274	32,652	21,550	13,523	39,276	47,191	24,927
Retire TY GR CR BR1-2 MCL-2 and MCA	59,767	60,031	49,488	46,981	60,870	47,687	74,395

New Unit Capital

No Retirements	386,529	421,558	421,067	403,184	385,835	370,318	356,614
Retire TY	403,332	402,321	385,624	370,719	356,715	342,445	338,411
Retire TY and GR3	351,390	349,183	344,164	350,210	357,689	368,239	366,220

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
Retiree TY GR3 CR and GH3	-11,449	-11,125	-10,802	-10,478	-10,154	-9,831	-9,507	-9,183	-8,860	-8,536	-8,212	-7,889	-7,565	-7,241	-6,916	-6,594	-6,270	-5,946	-5,622	-5,298	-4,974	-4,650	-4,326	-4,002	
Retiree TY GR3 CR and GH1	-8,594	-8,193	-7,802	-7,411	-7,020	-6,629	-6,238	-5,847	-5,456	-5,065	-4,674	-4,283	-3,892	-3,501	-3,110	-2,719	-2,328	-1,937	-1,546	-1,155	-764	-373	18	178	
Retiree TY GR and CR	-6,217	-5,925	-5,633	-5,341	-5,049	-4,757	-4,465	-4,173	-3,881	-3,589	-3,297	-3,005	-2,713	-2,421	-2,129	-1,837	-1,545	-1,253	-961	-669	-377	-85	107	215	
Retiree TY GR and M/C4	-21,080	-20,142	-19,204	-18,266	-17,328	-16,390	-15,452	-14,514	-13,576	-12,638	-11,700	-10,762	-9,824	-8,886	-7,948	-7,010	-6,072	-5,134	-4,196	-3,258	-2,320	-1,382	-444	494	
Retiree TY GR CR and T/C1	-6,993	-6,719	-6,445	-6,171	-5,897	-5,623	-5,349	-5,075	-4,801	-4,527	-4,253	-3,979	-3,705	-3,431	-3,157	-2,883	-2,609	-2,335	-2,061	-1,787	-1,513	-1,239	-965	-691	
Retiree TY GR CR and GH4	-10,670	-10,351	-10,033	-9,715	-9,397	-9,079	-8,761	-8,443	-8,125	-7,807	-7,489	-7,171	-6,853	-6,535	-6,217	-5,899	-5,581	-5,263	-4,945	-4,627	-4,309	-3,991	-3,673	-3,355	
Retiree TY GR CR and M/C3	-12,641	-12,090	-11,540	-10,989	-10,438	-9,887	-9,336	-8,785	-8,234	-7,683	-7,132	-6,581	-6,030	-5,479	-4,928	-4,377	-3,826	-3,275	-2,724	-2,173	-1,622	-1,071	-520	31	
Retiree TY GR CR and M/C2	-49,522	-47,040	-44,558	-42,076	-39,594	-37,112	-34,630	-32,148	-29,666	-27,184	-24,702	-22,220	-19,738	-17,256	-14,774	-12,292	-9,810	-7,328	-4,846	-2,364	12	157	312	467	
Retiree TY GR CR and BRL-2	-23,665	-22,904	-22,142	-21,380	-20,617	-19,855	-19,093	-18,331	-17,569	-16,807	-16,045	-15,283	-14,521	-13,759	-12,997	-12,235	-11,473	-10,711	-9,949	-9,187	-8,425	-7,663	-6,901	-6,139	
Retiree TY GR CR BRL-2 and M/C1-2	-49,522	-47,040	-44,558	-42,076	-39,594	-37,112	-34,630	-32,148	-29,666	-27,184	-24,702	-22,220	-19,738	-17,256	-14,774	-12,292	-9,810	-7,328	-4,846	-2,364	12	157	312	467	
Retiree TY GR CR BRL-2, M/C1-2 and B/R3	-6,703	-6,501	-6,298	-6,095	-5,893	-5,690	-5,487	-5,284	-5,081	-4,878	-4,675	-4,472	-4,269	-4,066	-3,863	-3,660	-3,457	-3,254	-3,051	-2,848	-2,645	-2,442	-2,239	-2,036	
Retiree TY GR CR BRL-2, M/C1-2 and M/C	-21,080	-20,142	-19,204	-18,266	-17,328	-16,390	-15,452	-14,514	-13,576	-12,638	-11,700	-10,762	-9,824	-8,886	-7,948	-7,010	-6,072	-5,134	-4,196	-3,258	-2,320	-1,382	-444	494	

MTE:Capital

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	139,365	145,108	150,859	156,607	162,355	168,103	173,851	179,599	185,347	191,095	196,843	202,591	208,339	214,087	219,835	225,583	231,331	237,079	242,827	248,575	254,323	260,071	265,819	271,567	277,315
Retiree TY	136,574	142,204	147,834	153,464	159,094	164,724	170,354	175,984	181,614	187,244	192,874	198,504	204,134	209,764	215,394	221,024	226,654	232,284	237,914	243,544	249,174	254,804	260,434	266,064	271,694
Retiree TY and GR3	135,423	141,053	146,683	152,313	157,943	163,573	169,203	174,833	180,463	186,093	191,723	197,353	202,983	208,613	214,243	219,873	225,503	231,133	236,763	242,393	248,023	253,653	259,283	264,913	270,543
Retiree TY GR3 and BR3	127,287	132,917	138,547	144,177	149,807	155,437	161,067	166,697	172,327	177,957	183,587	189,217	194,847	200,477	206,107	211,737	217,367	222,997	228,627	234,257	239,887	245,517	251,147	256,777	262,407
Retiree TY GR3 and CR4	133,150	138,780	144,410	149,040	154,670	160,300	165,930	171,560	177,190	182,820	188,450	194,080	199,710	205,340	210,970	216,600	222,230	227,860	233,490	239,120	244,750	250,380	256,010	261,640	267,270
Retiree TY GR3 CR4 and CR6	129,732	135,362	140,992	146,622	152,252	157,882	163,512	169,142	174,772	180,402	186,032	191,662	197,292	202,922	208,552	214,182	219,812	225,442	231,072	236,702	242,332	247,962	253,592	259,222	264,852
Retiree TY GR3 CR4 CR6 and BRL-2	124,491	129,705	134,919	140,133	145,347	150,561	155,775	160,989	166,203	171,417	176,631	181,845	187,059	192,273	197,487	202,701	207,915	213,129	218,343	223,557	228,771	233,985	239,199	244,413	249,627
Retiree TY GR3 CR and GH3	127,312	132,692	138,115	143,538	148,961	154,384	159,807	165,230	170,653	176,076	181,499	186,922	192,345	197,768	203,191	208,614	214,037	219,460	224,883	230,306	235,729	241,152	246,575	251,998	257,421
Retiree TY GR3 CR and GH1	112,686	117,381	122,162	126,943	131,724	136,505	141,286	146,067	150,848	155,629	160,410	165,191	170,000	174,809	179,618	184,427	189,236	194,045	198,854	203,663	208,472	213,281	218,090	222,899	227,708
Retiree TY GR and CR	125,703	131,017	136,331	141,645	146,959	152,273	157,587	162,901	168,215	173,529	178,843	184,157	189,471	194,785	200,099	205,413	210,727	216,041	221,355	226,669	231,983	237,297	242,611	247,925	253,239
Retiree TY GR CR and M/C4	111,099	115,823	120,547	125,271	130,000	134,724	139,448	144,172	148,896	153,620	158,344	163,068	167,792	172,516	177,240	181,964	186,688	191,412	196,136	200,860	205,584	210,308	215,032	219,756	224,480
Retiree TY GR CR and T/C1	121,417	127,586	133,755	139,924	146,093	152,262	158,431	164,600	170,769	176,938	183,107	189,276	195,445	201,614	207,783	213,952	220,121	226,290	232,459	238,628	244,797	250,966	257,135	263,304	269,473
Retiree TY GR CR and GH4	110,903	115,577	120,251	124,925	129,599	134,273	138,947	143,621	148,295	152,969	157,643	162,317	166,991	171,665	176,339	181,013	185,687	190,361	195,035	199,709	204,383	209,057	213,731	218,405	223,079
Retiree TY GR CR and M/C1-2	110,749	115,416	120,118	124,820	129,522	134,224	138,926	143,628	148,330	153,032	157,734	162,436	167,138	171,840	176,542	181,244	185,946	190,648	195,350	200,052	204,754	209,456	214,158	218,860	223,562
Retiree TY GR CR and GH2	107,211	111,778	116,345	120,912	125,479	130,046	134,613	139,180	143,747	148,314	152,881	157,448	162,015	166,582	171,149	175,716	180,283	184,850	189,417	193,984	198,551	203,118	207,685	212,252	216,819
Retiree TY GR CR and BRL-2	120,462	125,549	130,636	135,723	140,810	145,897	150,984	156,071	161,158	166,245	171,332	176,419	181,506	186,593	191,680	196,767	201,854	206,941	212,028	217,115	222,202	227,289	232,376	237,463	242,550
Retiree TY GR CR BRL-2 and M/C1-2	101,970	106,310	110,650	114,990	119,330	123,670	128,010	132,350	136,690	141,030	145,370	149,710	154,050	158,390	162,730	167,070	171,410	175,750	180,090	184,430	188,770	193,110	197,450	201,790	206,130
Retiree TY GR CR BRL-2, M/C1-2 and B/R3	93,834	97,822	101,844	105,839	109,824	113,809	117,794	121,779	125,764	129,749	133,734	137,719	141,704	145,689	149,674	153,659	157,644	161,629	165,614	169,599	173,584	177,569	181,554	185,539	189,524
Retiree TY GR CR BRL-2, M/C1-2 and M/O	97,366	101,116	104,866	108,616	112,366	116,116	119,866	123,616	127,366	131,116	134,866	138,616	142,366	146,116	149,866	153,616	157,366	161,116	164,866	168,616	172,366	176,116	179,866	183,616	187,366

MTE:Capital:Delta

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements	-2,790	-2,904	-3,017	-3,092	-3,170	-3,249	-3,330	-3,411	-3,492	-3,573	-3,654	-3,735	-3,816	-3,897	-3,978	-4,059	-4,140	-4,221	-4,302	-4,383	-4,464	-4,545	-4,626	-4,707	-4,788
Retiree TY	-1,152	-1,159	-1,247	-1,295	-1,343	-1,391	-1,439	-1,487	-1,535	-1,583	-1,631	-1,679	-1,727	-1,775	-1,823	-1,871	-1,919	-1,967	-2,015	-2,063	-2,111	-2,159	-2,207	-2,255	-2,303
Retiree TY and GR3	-8,136	-8,488	-8,840	-9,202	-9,564	-9,926	-10,288	-10,650	-11,012	-11,374	-11,736	-12,098	-12,460	-12,822	-13,184	-13,546	-13,908	-14,270	-14,632	-14,994	-15,356	-15,718	-16,080	-16,442	-16,804
Retiree TY GR3 and BR3	-2,235	-2,385	-2,546	-2,707	-2,868	-3,029	-3,190	-3,351	-3,512	-3,673	-3,834	-3,995	-4,156	-4,317	-4,478	-4,639	-4,800	-4,961	-5,122	-5,283	-5,444	-5,605	-5,766	-5,927	-6,088
Retiree TY GR3 CR and GH6	-5,241	-5,468	-5,695	-5,922	-6,149	-6,376	-6,603	-6,830	-7,057	-7,284	-7,511	-7,738	-7,965	-8,192	-8,419	-8,646	-8,873	-9,100	-9,327	-9,554	-9,781	-10,008	-10,235	-10,462	-10,689
Retiree TY GR3 CR and CR	-2,420	-2,481	-2,543	-2,606	-2,671	-2,738	-2,807	-2,877	-2,948	-3,020	-3,093	-3,167	-3,242	-3,318	-3,395	-3,473	-3,552	-3,632	-3,713	-3,795	-3,878	-3,962	-4,047	-4,132	-4,218
Retiree TY GR3 CR and GH3	-14,831	-15,472	-16,113	-16,754	-17,395	-18,036	-18,677	-19,318	-19,959	-20,600	-21,241	-21,882	-22,523	-23,164	-23,805	-24,446	-25,087	-25,728	-26,369	-27,010	-27,651	-28,292	-28,933	-29,574	-30,215
Retiree TY GR3 CR and GH1	-14,676	-15,311	-15,953	-16,601	-17,256	-17,918	-18,																		

Discount Rate:

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
Retiree TY GR CR and GH4	89,514	91,199	91,390	92,141	93,214	94,550	96,166								
Retiree TY GR CR and MC3	109,049	111,624	112,754	114,016	115,416	116,961	118,659								
Retiree TY GR CR and GH2	89,310	90,986	91,167	91,912	92,888	94,001	95,256								
Retiree TY GR CR and MCL-2	109,049	111,624	112,754	114,016	115,416	116,961	118,659								
Retiree TY GR CR and BR1-2	108,094	110,746	112,611	114,694	116,994	119,526	122,291								
Retiree TY GR CR BR1-2 and MCL-2	108,094	110,746	112,611	114,694	116,994	119,526	122,291								
Retiree TY GR CR BR1-2, MCL-2 and BR3	106,612	109,383	112,389	115,704	119,349	123,336	127,677								
Retiree TY GR CR BR1-2, MCL-2 and MC	108,094	110,746	112,611	114,694	116,994	119,526	122,291								

Landfill Capital Delta

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements															
Retiree TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retiree TY GR3 and BR3	-1,462	-1,563	-222	-189	-157	-124	-97								
Retiree TY GR3 and CR4	-1,708	-1,719	-1,692	-1,708	-1,727	-1,747	-1,771								
Retiree TY GR3 CR4 and CR6	-2,777	-2,662	-2,620	-2,645	-2,674	-2,705	-2,742								
Retiree TY GR3 CR4 CR6 and BR1-2	-955	-878	-143	-122	-101	-80	-62								
Retiree TY GR3 and CR	-1,895	-1,864	-1,834	-1,851	-1,872	-1,894	-1,919								
Retiree TY GR3 CR and GH3	-19,576	-20,467	-21,409	-21,921	-22,518	-23,187	-23,931								
Retiree TY GR3 CR and GH1	-19,372	-20,254	-21,196	-21,692	-22,492	-23,544	-24,768								
Retiree TY GR and CR	0	0	0	0	0	0	0								
Retiree TY GR CR and MC4	-11,666	-11,343	-11,031	-10,731	-10,442	-10,162	-9,886								
Retiree TY GR CR and GH4	-19,535	-20,424	-21,364	-21,875	-22,513	-23,187	-23,931								
Retiree TY GR CR and MC3	0	0	0	0	0	0	0								
Retiree TY GR CR and GH2	-19,739	-20,637	-21,587	-22,103	-22,539	-23,088	-23,733								
Retiree TY GR CR and MCL-2	0	0	0	0	0	0	0								
Retiree TY GR CR and BR1-2	-955	-878	-143	-122	-101	-80	-62								
Retiree TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0								
Retiree TY GR CR BR1-2, MCL-2 and BR3	-1,462	-1,563	-222	-189	-157	-124	-97								
Retiree TY GR CR BR1-2, MCL-2 and MC	0	0	0	0	0	0	0								

Water Capital

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements															
Retiree TY	12,551	12,090	11,629	11,168	10,707	10,246	9,786								
Retiree TY and GR3	12,214	11,757	11,320	10,873	10,427	9,980	9,534								
Retiree TY GR3 and BR3	11,876	11,444	11,011	10,579	10,147	9,714	9,282								
Retiree TY GR3 and CR4	10,517	10,128	9,738	9,349	8,959	8,570	8,181								
Retiree TY GR3 CR4 and CR6	11,876	11,444	11,011	10,579	10,147	9,714	9,282								
Retiree TY GR3 CR4 CR6 and BR1-2	11,001	10,596	10,191	9,786	9,382	8,977	8,572								
Retiree TY GR3 CR and CR	11,876	11,444	11,011	10,579	10,147	9,714	9,282								
Retiree TY GR3 CR and GH3	10,992	10,567	10,182	9,777	9,371	8,965	8,559								
Retiree TY GR3 CR and GH1	11,002	10,586	10,190	9,785	9,379	8,974	8,569								
Retiree TY GR and CR	11,405	10,993	10,580	10,168	9,755	9,343	8,932								
Retiree TY GR CR and MC4	10,319	9,957	9,595	9,233	8,871	8,509	8,147								
Retiree TY GR CR and TCL	10,999	10,599	10,140	9,740	9,340	8,941	8,542								
Retiree TY GR CR and MC3	10,523	10,138	9,752	9,367	8,982	8,596	8,211								
Retiree TY GR CR and GH2	10,514	10,129	9,744	9,359	8,973	8,588	8,203								
Retiree TY GR CR and MCL-2	8,877	8,576	8,274	7,973	7,671	7,370	7,069								
Retiree TY GR CR and BR1-2	10,529	10,145	9,760	9,375	8,991	8,606	8,221								
Retiree TY GR CR BR1-2 and MCL-2	8,002	7,728	7,454	7,180	6,906	6,632	6,358								
Retiree TY GR CR BR1-2, MCL-2 and BR3	6,642	6,412	6,181	5,950	5,719	5,488	5,257								
Retiree TY GR CR BR1-2, MCL-2 and MC	6,915	6,692	6,468	6,245	6,022	5,798	5,575								

Water Capital Delta

	2034	2035	2036	2037	2038	2039	2040	2051	2052	2053	2054	2055	2056	2057	2058
No Retirements															
Retiree TY	-337	-323	-309	-294	-280	-266	-251								
Retiree TY and GR3	-337	-323	-309	-294	-280	-266	-251								
Retiree TY GR3 and BR3	-1,359	-1,316	-1,273	-1,230	-1,187	-1,144	-1,101								
Retiree TY GR3 and CR4	0	0	0	0	0	0	0								
Retiree TY GR3 CR4 and CR6	-876	-848	-820	-793	-765	-737	-710								
Retiree TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0								
Retiree TY GR3 and CR	-884	-857	-830	-803	-776	-748	-721								
Retiree TY GR3 CR and GH3	-875	-848	-821	-794	-767	-741	-714								
Retiree TY GR and CR	-471	-451	-431	-411	-391	-371	-351								
Retiree TY GR CR and MC4	-1,036	-1,036	-986	-935	-885	-834	0								
Retiree TY GR CR and TCL	-465	-453	-441	-428	-415	-403	-390								
Retiree TY GR CR and GH4	-882	-855	-828	-801	-774	-747	-720								
Retiree TY GR CR and MC3	-891	-849	-808	-765	-722	-680	0								
Retiree TY GR CR and GH2	-864	-837	-809	-782	-755	-727	-700								
Retiree TY GR CR and MCL-2	-2,528	-2,417	-2,306	-2,195	-2,084	-1,973	-1,870								
Retiree TY GR CR and BR1-2	-876	-848	-820	-793	-765	-737	-710								

Discount Rate:

Table with columns for years 2034 through 2058. Rows include various retirement scenarios such as 'Retire TY GR3 CR4 and CR6', 'Retire TY GR3 CR4 CR6 and BR1-2', and 'Retire TY GR3 CR4 CR6 and CR8'. Values represent financial metrics for each year.

New Controls Eased O&M Delta

No Retirements

Table showing financial metrics for various retirement scenarios under 'No Retirements' conditions. Rows include 'Retire TY', 'Retire TY and GR3', 'Retire TY GR3 and GR3', etc. Values range from -7,087 to 6,037,840.

Total Revenue Reassignments

No Retirements

Table showing financial metrics for various retirement scenarios under 'Total Revenue Reassignments' conditions. Rows include 'Retire TY', 'Retire TY and GR3', 'Retire TY GR3 and GR3', etc. Values range from -43,541 to 6,037,840.

Total Revenue Reassignments Delta

No Retirements

Table showing the delta values for various retirement scenarios. Rows include 'Retire TY', 'Retire TY and GR3', 'Retire TY GR3 and GR3', etc. Values range from -43,541 to 6,037,840.

Discount Rate:

2024 2025 2026 2027 2028 2029 2030 2031 2032 2033 2034 2035 2036 2037 2038 2039 2040

Retiree TY GR CR and GH2
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and BR1-2
 Retiree TY GR CR BR1-2 and MCL-2
 Retiree TY GR CR BR1-2 MCL-2 and BR3
 Retiree TY GR CR BR1-2 MCL-2 and MCL-2
 Retiree TY GR CR BR1-2 MCL-2 and MCL-2

6,006	6,030	6,144	6,252	6,169	6,318	6,297
6,122	6,029	6,068	6,152	6,079	6,227	6,182
6,125	6,129	6,275	6,385	6,377	6,441	6,398
6,004	6,183	6,370	6,662	6,975	6,126	6,103
5,786	5,825	5,752	5,839	5,763	5,914	5,921
5,459	5,249	5,422	5,485	5,480	5,549	5,577

System Ozone NOx Emissions Excess

No Retirements
 Retiree TY
 Retiree TY and GR3
 Retiree TY GR3 and BR3
 Retiree TY GR3 and CR4
 Retiree TY GR3 CR4 and CR6
 Retiree TY GR3 CR4 CR6 and BR1-2
 Retiree TY GR3 and CR
 Retiree TY GR3 CR and GH1
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and TCI
 Retiree TY GR CR and GH4
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and GH2
 Retiree TY GR CR and BR1-2
 Retiree TY GR CR and GH3
 Retiree TY GR CR BR1-2 and MCL-2
 Retiree TY GR CR BR1-2 MCL-2 and BR3
 Retiree TY GR CR BR1-2 MCL-2 and MCL-2

7,295	7,256	7,261	7,337	7,342	7,437	7,401
7,181	7,255	7,263	7,339	7,344	7,439	7,401
7,257	7,339	7,359	7,437	7,428	7,506	7,457
7,151	7,196	7,233	7,310	7,304	7,378	7,320
7,187	7,240	7,273	7,378	7,374	7,432	7,385
7,139	7,158	7,188	7,289	7,286	7,344	7,299
7,097	7,104	7,149	7,236	7,229	7,274	7,239
7,123	7,129	7,074	7,160	7,154	7,220	7,115
6,474	6,488	6,483	6,578	6,566	6,617	6,500
7,029	7,024	7,074	7,152	7,154	7,228	7,119
6,443	6,412	6,411	6,507	6,492	6,556	6,511
6,496	6,443	6,478	6,567	6,585	6,634	6,588
6,099	6,067	6,096	6,160	6,181	6,215	6,175
6,573	6,515	6,527	6,611	6,598	6,677	6,622
6,775	6,785	6,780	6,871	6,851	6,928	6,896
6,672	6,620	6,678	6,769	6,744	6,822	6,744
6,916	6,891	6,895	7,026	7,020	7,100	6,988
6,603	6,548	6,607	6,702	6,684	6,746	6,669
6,350	6,309	6,356	6,448	6,430	6,512	6,470
5,962	5,898	5,968	6,060	6,041	6,110	6,065

System Total Emissions Excess

No Retirements
 Retiree TY
 Retiree TY and GR3
 Retiree TY GR3 and BR3
 Retiree TY GR3 and CR4
 Retiree TY GR3 CR4 and CR6
 Retiree TY GR3 CR4 CR6 and BR1-2
 Retiree TY GR3 and CR
 Retiree TY GR3 CR and GH3
 Retiree TY GR3 CR and GH1
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and TCI
 Retiree TY GR CR and GH4
 Retiree TY GR CR and GH2
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and BR1-2
 Retiree TY GR CR BR1-2 and MCL-2
 Retiree TY GR CR BR1-2 MCL-2 and BR3
 Retiree TY GR CR BR1-2 MCL-2 and MCL-2

38,265	37,537	38,257	38,413	38,119	38,788	38,152
38,068	37,490	38,259	38,417	38,121	38,791	38,153
38,188	37,636	38,418	38,582	38,274	38,913	38,277
36,860	36,909	37,032	37,132	36,856	37,411	36,887
37,407	36,776	37,615	37,776	37,510	37,432	36,837
36,316	35,849	36,412	36,645	36,416	36,548	36,230
35,640	34,904	35,686	35,944	35,680	35,910	35,150
35,536	34,886	35,539	35,608	35,483	35,690	34,950
32,322	31,770	32,153	32,397	32,108	32,648	31,670
35,362	34,665	35,510	35,593	35,479	35,916	35,159
32,725	31,214	32,160	32,101	32,249	32,354	31,858
32,545	31,879	32,505	32,807	32,473	33,104	32,185
37,383	37,193	37,631	37,887	37,847	37,663	37,997
37,691	37,169	37,607	37,856	37,551	39,146	37,264
31,221	30,530	31,143	31,445	31,107	31,705	31,334
34,555	33,729	34,077	34,064	34,183	34,325	34,563
34,161	33,162	33,201	33,161	33,063	33,444	33,309
29,221	28,459	29,180	29,276	29,093	29,488	29,057
27,725	26,674	27,710	27,958	27,732	27,778	27,365

Total BR Minus Emissions Excess

No Retirements
 Retiree TY
 Retiree TY and GR3
 Retiree TY GR3 and BR3
 Retiree TY GR3 and CR4
 Retiree TY GR3 CR4 and CR6
 Retiree TY GR3 CR4 CR6 and BR1-2
 Retiree TY GR3 and CR
 Retiree TY GR3 CR and GH3
 Retiree TY GR3 CR and GH1
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and TCI
 Retiree TY GR CR and GH4
 Retiree TY GR CR and MCL-2
 Retiree TY GR CR and GH2
 Retiree TY GR CR and BR1-2
 Retiree TY GR CR BR1-2 and MCL-2
 Retiree TY GR CR BR1-2 MCL-2 and BR3
 Retiree TY GR CR BR1-2 MCL-2 and MCL-2

5,999,575	6,079,241	6,140,387	6,206,391	6,228,519	6,267,664	6,372,526
5,956,231	6,028,881	6,092,645	6,161,899	6,190,001	6,230,817	6,339,122
5,895,299	5,867,218	6,054,741	6,158,606	6,196,112	6,256,797	6,339,730
5,895,652	5,974,488	6,046,561	6,133,544	6,193,241	6,220,774	6,335,711
5,944,315	6,018,332	6,092,217	6,166,032	6,201,431	6,275,563	6,374,969
5,876,527	5,867,146	6,077,374	6,152,500	6,206,351	6,244,109	6,335,755
5,947,037	6,086,531	6,143,772	6,219,171	6,233,958	6,280,630	6,384,439
5,970,102	6,041,132	6,112,945	6,183,854	6,233,655	6,316,448	6,410,665
5,951,922	6,022,785	6,102,272	6,183,380	6,252,055	6,288,102	6,401,852
5,883,166	5,972,406	6,077,814	6,156,716	6,206,911	6,247,373	6,337,362
6,000,466	6,078,174	6,138,283	6,212,752	6,217,156	6,279,491	6,384,912
5,919,010	6,048,035	6,112,996	6,198,347	6,245,949	6,312,497	6,412,368
5,903,062	6,073,674	6,129,746	6,207,853	6,243,620	6,295,498	6,396,576
5,954,150	6,024,584	6,104,521	6,171,983	6,215,881	6,286,875	6,386,548
5,996,047	6,067,677	6,132,331	6,199,398	6,239,815	6,291,176	6,380,461
5,916,470	6,007,694	6,075,361	6,148,922	6,221,497	6,268,041	6,408,390
5,884,869	5,965,627	6,072,363	6,186,226	6,211,230	6,296,922	6,393,742
5,955,643	6,028,734	6,114,173	6,200,312	6,235,254	6,293,821	6,397,311

Discount Rate:

Retiree TY GR CR BR1-2, MCL-2 and MC 2034 2035 2036 2037 2038 2039 2040 2041 2042 2043 2044 2045 2046 2047 2048 2049 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059

Total RR Minus Emissions Expense Delta

	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059		
No Retirements																												
Retiree TY	-43,344	-50,355	-47,741	-49,697	-48,458	-48,727	-48,403																					
Retiree TY and GR3	-62,892	-61,667	-61,404	-61,569	-61,071	-61,029	-61,029																					
Retiree TY GR3 and BR3	37,576	41,760	37,351	37,861	37,139	37,186	37,186																					
Retiree TY GR3 CR and CR4	353	7,270	-7,890	-27,062	-4,891	-36,029	-24,020																					
Retiree TY GR3 CR6 and BR1-2	48,665	43,844	45,636	47,488	48,191	54,789	39,288																					
Retiree TY GR3 CR and CR5	-67,783	-51,186	-44,843	-33,332	-4,920	-51,455	-19,213																					
Retiree TY GR3 and CR	-2,722	62,198	51,535	53,139	31,527	5,067	9,470																					
Retiree TY GR3 CR and GR3	23,065	-39,598	-30,827	-33,317	697	35,818	26,227																					
Retiree TY GR3 CR and GR1	4,886	-57,745	-41,500	-33,791	19,097	7,473	17,413																					
Retiree TY GR and CR	-65,872	-108,124	-69,588	-67,455	-26,047	-32,257	-27,077																					
Retiree TY GR CR and MC4	117,000	105,767	60,468	56,036	10,245	32,118	27,550																					
Retiree TY GR CR and TCI	35,844	75,647	50,182	42,631	35,038	65,524	55,007																					
Retiree TY GR CR and GR4	-119,886	101,267	51,932	51,177	36,709	48,125	39,214																					
Retiree TY GR CR and MC3	70,985	49,327	24,707	21,266	6,970	41,502	29,186																					
Retiree TY GR CR and GR2	112,882	95,270	54,577	42,682	32,904	39,803	23,099																					
Retiree TY GR CR and MCL-2	73,877	51,809	26,827	32,306	14,586	60,668	52,028																					
Retiree TY GR CR and BR1-2	53,304	35,287	-2,453	-9,197	-28,617	1,857	-18,060																					
Retiree TY GR CR BR1-2 and MCL-2	-51,861	-42,066	-2,588	-40,707	32,936	47,692	56,640																					
Retiree TY GR CR BR1-2, MCL-2 and BR3	71,034	63,107	41,810	12,086	24,024	26,889	2,568																					
Retiree TY GR CR BR1-2, MCL-2 and MC	49,209	47,836	26,927	12,654	24,324	-386	-18,975																					

Discount Rate:

2059 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

New Unit Capital and Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

Production Cost

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

Production Cost Delta

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

New Unit Capital

- No Retirements
- Retire TY
- Retire TY and GR3

Discount Rate:

2052 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2060 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR3 and BR3
 Retire TY GR3 and CH4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2
 Retire TY GR CR BR1-2 MC1-2 and BR3
 Retire TY GR CR BR1-2 MC1-2 and MC

New Unit Capital Delta

No Retirements

Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TC1
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MC1-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MC1-2
 Retire TY GR CR BR1-2 MC1-2 and BR3
 Retire TY GR CR BR1-2 MC1-2 and MC

New Controls Capital

No Retirements

7,071
 7,071
 Retire TY
 Retire TY and GR3
 7,071
 Retire TY GR3 and BR3
 7,071
 Retire TY GR3 and CR4
 7,071
 Retire TY GR3 CR4 and CR6
 7,071
 Retire TY GR3 CR4 CR6 and BR1-2
 7,071
 Retire TY GR3 and CR
 7,071
 Retire TY GR3 CR and GH3
 7,071
 Retire TY GR3 CR and GH1
 7,071
 Retire TY GR and CR
 7,071
 Retire TY GR CR and MC4
 7,071
 Retire TY GR CR and TC1
 7,071
 Retire TY GR CR and GH4
 7,071
 Retire TY GR CR and MC3
 0
 Retire TY GR CR and GH2
 7,071
 Retire TY GR CR and MC1-2
 7,071
 Retire TY GR CR BR1-2 and MC1-2
 7,071
 Retire TY GR CR BR1-2 MC1-2 and BR3
 7,071
 Retire TY GR CR BR1-2 MC1-2 and MC

New Controls Capital Delta

No Retirements

Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4 CR6 and BR1-2
 Retire TY GR3 and CR

Discount Rate:

	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCB	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 MCL-2 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 MCL-2 and MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

MTE Capital

No Retirements

Retire TY	
Retire TY and GH3	
Retire TY GR3 and BR3	
Retire TY GR3 and CR4	
Retire TY GR3 CR4 CR6 and BR1-2	
Retire TY GR3 CR and CR	
Retire TY GR3 CR and GH3	
Retire TY GR3 CR and GH1	
Retire TY GR and CR	
Retire TY GR CR and MC4	
Retire TY GR CR and TCL	
Retire TY GR CR and GH4	
Retire TY GR CR and MCB	
Retire TY GR CR and GH2	
Retire TY GR CR and MCL-2	
Retire TY GR CR and BR1-2	
Retire TY GR CR BR1-2 and MCL-2	
Retire TY GR CR BR1-2 MCL-2 and BR3	
Retire TY GR CR BR1-2 MCL-2 and MC	

MTE Capital Delta

No Retirements

Retire TY	
Retire TY and GH3	
Retire TY GR3 and BR3	
Retire TY GR3 and CR4	
Retire TY GR3 CR4 CR6 and BR1-2	
Retire TY GR3 CR and CR	
Retire TY GR3 CR and GH3	
Retire TY GR3 CR and GH1	
Retire TY GR and CR	
Retire TY GR CR and MC4	
Retire TY GR CR and TCL	
Retire TY GR CR and GH4	
Retire TY GR CR and MCB	
Retire TY GR CR and GH2	
Retire TY GR CR and MCL-2	
Retire TY GR CR and BR1-2	
Retire TY GR CR BR1-2 and MCL-2	
Retire TY GR CR BR1-2 MCL-2 and BR3	
Retire TY GR CR BR1-2 MCL-2 and MC	

Landfill Capital

No Retirements

Retire TY	
Retire TY and GH3	
Retire TY GR3 and BR3	
Retire TY GR3 and CR4	
Retire TY GR3 CR4 CR6 and BR1-2	
Retire TY GR3 CR and CR	
Retire TY GR3 CR and GH3	
Retire TY GR3 CR and GH1	
Retire TY GR and CR	
Retire TY GR CR and MC4	
Retire TY GR CR and TCL	

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2067 2068 2069 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2
 Retire TY GR CR BR1-2, MCL-2 and BR3
 Retire TY GR CR BR1-2, MCL-2 and MC

Landfill Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4, CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR BR1-2 and MCL-2
 Retire TY GR CR BR1-2, MCL-2 and BR3
 Retire TY GR CR BR1-2, MCL-2 and MC

Water Capital

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4, CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2
 Retire TY GR CR BR1-2 and MCL-2
 Retire TY GR CR BR1-2, MCL-2 and BR3
 Retire TY GR CR BR1-2, MCL-2 and MC

Water Capital Delta

No Retirements
 Retire TY
 Retire TY and GR3
 Retire TY GR3 and BR3
 Retire TY GR3 and CR4
 Retire TY GR3 CR4 and CR6
 Retire TY GR3 CR4, CR6 and BR1-2
 Retire TY GR3 and CR
 Retire TY GR3 CR and GH3
 Retire TY GR3 CR and GH1
 Retire TY GR and CR
 Retire TY GR CR and MC4
 Retire TY GR CR and TCL
 Retire TY GR CR and GH4
 Retire TY GR CR and MC3
 Retire TY GR CR and GH2
 Retire TY GR CR and MCL-2
 Retire TY GR CR and BR1-2

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR BR1-2 and MCL-2
Retire TY GR CR BR1-2, MCL-2 and BR3
Retire TY GR CR BR1-2, MCL-2 and MC

Total Capital

Table with 17 columns (years 2052-2078) and rows for various retirement scenarios. Values are mostly 0, with some 7,071 entries in the 2052 column.

Total Capital Delta

Table with 17 columns (years 2052-2078) and rows for various retirement scenarios. Values are mostly 0, with some -7,071 entries in the 2052 column.

Retirement O&M Cost

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 and CR
Retire TY GR3 CR and GH1
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR and MCL-2
Retire TY GR CR BR1-2 and MCL-2
Retire TY GR CR BR1-2, MCL-2 and BR3
Retire TY GR CR BR1-2, MCL-2 and MC

Retirement O&M Cost Delta

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 and CR
Retire TY GR3 CR and GH1
Retire TY GR CR and MC4
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCL-2
Retire TY GR CR and BR1-2
Retire TY GR CR and MCL-2
Retire TY GR CR BR1-2 and MCL-2
Retire TY GR CR BR1-2, MCL-2 and BR3
Retire TY GR CR BR1-2, MCL-2 and MC

Discount Rate:

2052 2060 2061 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR4 and CR
- Retire TY GR3 CR and GH1
- Retire TY GR3 CR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

Existing Unit Fixed O&M

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

Existing Unit Fixed O&M Data

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 CR and CR
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GH4
- Retire TY GR CR and MCA
- Retire TY GR CR and GH2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

New Controls Fixed O&M

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4

Discount Rate:

	2052	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2020	2021	2022	2023	2024	2025	2026	2027	2028
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCL																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCL-2																				
Retire TY GR CR and BR1-2 and MCL-2																				
Retire TY GR CR BR1-2, MCL-2 and BR3																				
Retire TY GR CR BR1-2, MCL-2 and MC																				

Now Controls Excel Data

No Retirements

Retire TY																				
Retire TY and GR3																				
Retire TY GR3 and BR3																				
Retire TY GR3 and CR4																				
Retire TY GR3 CR4 and CR6																				
Retire TY GR3 CR4 CR6 and BR1-2																				
Retire TY GR3 and CR																				
Retire TY GR3 CR and GH3																				
Retire TY GR3 CR and GH1																				
Retire TY GR and CR																				
Retire TY GR CR and MC4																				
Retire TY GR CR and TCL																				
Retire TY GR CR and GH4																				
Retire TY GR CR and MC3																				
Retire TY GR CR and GH2																				
Retire TY GR CR and MCL-2																				
Retire TY GR CR CR and BR1-2																				
Retire TY GR CR BR1-2, MCL-2 and MCL-2																				
Retire TY GR CR BR1-2, MCL-2 and BR3																				
Retire TY GR CR BR1-2, MCL-2 and MC																				

Total Revenue Requirements

No Retirements

Retire TY	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR and CR	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TCL	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MCL-2	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2, MCL-2 and BR3	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2, MCL-2 and MC	7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requirements Delta

No Retirements

Retire TY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY and GR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 and CR6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR4 CR6 and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR3 CR and GH1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Discount Rate:

	2052	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078
Retire TY GR and CR	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and TC1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and GH2	-7,071	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR and BR1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2 and MC1-2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2, MC1-2 and BR3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Retire TY GR CR BR1-2, MC1-2 and MC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Total Revenue Requisitions Cumulative Del

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2
- Retire TY GR CR BR1-2, MC1-2 and BR3
- Retire TY GR CR BR1-2, MC1-2 and MC4

System SO2 Emissions Expense

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3
- Retire TY GR CR and GH2
- Retire TY GR CR and MC1-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MC1-2
- Retire TY GR CR BR1-2, MC1-2 and BR3
- Retire TY GR CR BR1-2, MC1-2 and MC4

System Annual NOx Emissions Expense

- No Retirements
- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GH3
- Retire TY GR3 CR and GH1
- Retire TY GR and CR
- Retire TY GR CR and MC4
- Retire TY GR CR and TC1
- Retire TY GR CR and GH4
- Retire TY GR CR and MC3

Discount Rate:

2039 2040 2051 2062 2063 2064 2065 2066 2067 2068 2069 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCI-2
Retire TY GR CR BR1-2 MCI-2 and BR3
Retire TY GR CR BR1-2 MCI-2 and MCI-2

System Ozone NOx Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and GR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 and BR1-2
Retire TY GR3 CR and CR
Retire TY GR3 CR and GH1
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCI-2
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI-2
Retire TY GR CR and MCI-2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCI-2
Retire TY GR CR BR1-2 MCI-2 and BR3
Retire TY GR CR BR1-2 MCI-2 and MCI-2

System Total Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 CR and CR
Retire TY GR3 CR and GH1
Retire TY GR and CR
Retire TY GR CR and MCI-2
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI-2
Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCI-2
Retire TY GR CR BR1-2 MCI-2 and BR3
Retire TY GR CR BR1-2 MCI-2 and MCI-2

Total BR Minus Emissions Expense

No Retirements
Retire TY
Retire TY and GR3
Retire TY GR3 and BR3
Retire TY GR3 and CR4
Retire TY GR3 CR4 and CR6
Retire TY GR3 CR4 CR6 and BR1-2
Retire TY GR3 and CR
Retire TY GR3 CR and GH1
Retire TY GR3 CR and CR
Retire TY GR CR and MCI-2
Retire TY GR CR and TCI
Retire TY GR CR and GH4
Retire TY GR CR and MCI-2
Retire TY GR CR and GH2
Retire TY GR CR and MCI-2
Retire TY GR CR and BR1-2
Retire TY GR CR BR1-2 and MCI-2
Retire TY GR CR BR1-2 MCI-2 and BR3

10/25/2011

Discount Rate:

2032 2050 2051 2052 2053 2054 2055 2056 2057 2058 2059 2070 2071 2072 2073 2074 2075 2076 2077 2078

Retire TY GR CR BR1-2 MCL-2 and MC

Total BR Minus Emissions Expense Delta

No Retirements

- Retire TY
- Retire TY and GR3
- Retire TY GR3 and BR3
- Retire TY GR3 and CR4
- Retire TY GR3 CR4 and CR6
- Retire TY GR3 CR4 CR6 and BR1-2
- Retire TY GR3 and CR
- Retire TY GR3 CR and GR3
- Retire TY GR3 CR and GR1
- Retire TY GR and CR
- Retire TY GR CR and MCA
- Retire TY GR CR and TCI
- Retire TY GR CR and GR4
- Retire TY GR CR and MCA
- Retire TY GR CR and GR2
- Retire TY GR CR and MCL-2
- Retire TY GR CR and BR1-2
- Retire TY GR CR BR1-2 and MCL-2
- Retire TY GR CR BR1-2 MCL-2 and BR3
- Retire TY GR CR BR1-2 MCL-2 and MC

Station	Unit	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	5,183	4,991	4,800	4,608	4,417	4,225	4,033	3,842	3,650	3,458	3,267	1,327	0	0	0	0	0	0	0	0	0	0	0
BR	BR2	224	216	208	199	191	183	174	166	158	150	141	57	0	0	0	0	0	0	0	0	0	0	0
BR	BR3	3,916	3,788	3,660	3,532	3,404	3,276	3,149	3,021	2,893	2,765	2,637	2,509	2,382	2,254	2,126	0	0	0	0	0	0	0	0
BR	BR4	5,535	5,322	5,109	4,895	4,682	4,469	4,256	4,042	3,829	3,616	1,180	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR5	222	213	205	196	187	179	170	162	153	145	47	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR6	6,200	6,087	5,974	5,862	5,749	5,636	5,524	5,411	5,298	5,186	4,173	3,960	3,747	3,535	0	0	0	0	0	0	0	0	0
BR	BR7	6,095	5,983	5,870	5,758	5,647	5,534	5,422	5,310	5,198	5,086	4,173	3,960	3,747	3,535	1,405	0	0	0	0	0	0	0	0
BR	BR8	6,673	6,521	6,369	6,217	6,065	5,913	5,761	5,609	5,457	5,305	4,271	4,068	3,865	3,663	0	0	0	0	0	0	0	0	0
BR	BR9	738	699	661	624	586	549	512	475	438	401	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR10	8,295	8,069	7,843	7,617	7,391	7,165	6,939	6,713	6,486	6,260	6,034	5,808	5,582	5,356	5,130	4,904	4,678	4,452	4,226	4,000	3,489	253	0
BR	BR11	406	394	383	371	359	348	336	324	312	301	289	277	266	254	242	231	219	207	196	0	0	0	0
BR	BR12	15,845	15,446	15,047	14,648	14,250	13,851	13,452	13,053	12,654	12,255	11,857	11,458	11,059	10,660	10,262	9,863	9,464	9,065	8,667	8,268	7,869	7,470	7,071
BR	BR13	9,669	9,172	8,775	8,480	8,185	7,889	7,594	7,298	7,003	6,707	6,411	6,116	5,820	5,525	5,229	4,934	4,638	4,343	4,047	3,752	3,456	3,161	2,865
BR	BR14	8,900	8,510	8,119	7,729	7,339	6,948	6,558	6,167	5,777	5,386	5,045	4,704	4,363	4,022	3,681	3,340	3,000	2,659	2,318	1,977	1,636	1,295	954
BR	BR15	814	786	758	730	701	673	645	617	589	561	532	504	476	448	420	392	364	336	308	280	252	224	196
BR	BR16	8,313	7,850	7,387	6,924	6,461	6,000	5,537	5,074	4,611	4,148	3,685	3,222	2,759	2,296	1,833	1,370	907	444	0	0	0	0	0
BR	BR17	6,754	6,377	5,999	5,622	5,245	4,868	4,491	4,114	3,737	3,360	2,983	2,606	2,229	1,852	1,475	1,098	721	344	0	0	0	0	0
BR	BR18	6,114	5,816	5,518	5,220	4,922	4,624	4,326	4,028	3,730	3,432	3,134	2,836	2,538	2,240	1,942	1,644	1,346	1,048	750	452	154	0	0
BR	BR19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR21	5,967	5,626	5,285	4,944	4,603	4,262	3,921	3,580	3,239	2,898	2,557	2,216	1,875	1,534	1,193	852	511	170	0	0	0	0	0
BR	BR22	3,388	3,214	3,040	2,866	2,692	2,518	2,344	2,170	1,996	1,822	1,648	1,474	1,300	1,126	952	778	604	430	256	82	0	0	0
BR	BR23	6,834	6,499	6,165	5,830	5,495	5,160	4,825	4,490	4,155	3,820	3,485	3,150	2,815	2,480	2,145	1,810	1,475	1,140	805	470	135	0	0
BR	BR24	6,911	6,521	6,131	5,741	5,351	4,961	4,571	4,181	3,791	3,401	3,011	2,621	2,231	1,841	1,451	1,061	671	281	0	0	0	0	0
BR	BR25	10,183	9,661	9,139	8,617	8,095	7,573	7,051	6,529	6,007	5,485	4,963	4,441	3,919	3,397	2,875	2,353	1,831	1,309	787	265	0	0	0
BR	BR26	6,911	6,521	6,131	5,741	5,351	4,961	4,571	4,181	3,791	3,401	3,011	2,621	2,231	1,841	1,451	1,061	671	281	0	0	0	0	0
BR	BR27	226	92	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR28	7,069	6,707	6,344	5,981	5,618	5,255	4,892	4,529	4,166	3,803	3,440	3,077	2,714	2,351	1,988	1,625	1,262	900	537	174	0	0	0
BR	BR29	7,891	7,488	7,085	6,682	6,279	5,876	5,473	5,070	4,667	4,264	3,861	3,458	3,055	2,652	2,249	1,846	1,443	1,040	637	234	0	0	0
BR	BR30	6,171	5,897	5,623	5,349	5,075	4,801	4,527	4,253	3,979	3,705	3,431	3,157	2,883	2,609	2,335	2,061	1,787	1,513	1,239	965	691	417	143
BR	BR31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR32	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR34	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR35	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR36	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR37	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR38	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR39	2,050	1,957	1,864	1,800	1,717	1,634	1,550	1,467	1,384	1,301	1,218	1,135	1,052	969	886	803	720	637	554	471	388	305	222
BR	BR40	57	55	52	50	48	45	43	41	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10
BR	BR41	1,916	1,849	1,782	1,715	1,648	1,581	1,514	1,447	1,380	1,313	1,246	1,179	1,112	1,045	978	911	844	777	710	643	576	509	442
BR	BR42	2,615	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BR	BR43	2,653	2,524	2,395	2,265	2,136	2,006	1,877	1,747	1,618	1,488	1,358	1,228	1,098	968	838	708	578	448	318	188	58	0	0
BR	BR44	73	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Retirement Cost		2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	
All Units		0	0	0	0	0	0	2100	0	0	0	0	0	0	0	0	0	0	
2% Escalation Rate																			
Unit Costs (\$000)																			
BR	BR1		3,816	4,811	3,969	4,049	4,130	4,212	4,296	4,382	4,470	4,559	4,651	4,744	4,838	4,935	5,034	5,135	
BR	BR2		6,633	7,160	7,253	7,398	7,546	7,697	7,851	8,008	8,168	8,331	8,498	8,668	8,841	9,018	9,199	9,383	
BR	BR3		15,885	20,876	14,904	15,202	15,506	15,816	16,132	16,455	16,784	17,120	17,462	17,811	18,167	18,531	18,901	19,279	
CR	CR4		14,372	9,218	12,029	12,269	12,515	12,765	13,020	13,281	13,546	13,817	14,094	14,375	14,663	14,956	15,255	15,560	
CR	CR5		11,842	9,889	12,791	13,047	13,308	13,574	13,845	14,122	14,405	14,693	14,987	15,286	15,592	15,904	16,222	16,546	
CR	CR6		10,666	11,619	10,173	10,376	10,584	10,795	11,011	11,231	11,456	11,685	11,919	12,157	12,400	12,648	12,901	13,159	
GH	GH1		17,829	19,141	17,966	18,325	18,691	19,065	19,447	19,835	20,232	20,637	21,050	21,471	21,900	22,338	22,785	23,240	
GH	GH2		12,225	18,498	13,429	13,698	13,972	14,251	14,536	14,827	15,124	15,426	15,735	16,049	16,370	16,698	17,032	17,372	
GH	GH3		17,961	13,501	12,475	12,724	12,979	13,238	13,503	13,773	14,049	14,330	14,616	14,909	15,207	15,511	15,821	16,138	
GH	GH4		11,533	13,496	12,105	12,347	12,594	12,846	13,103	13,365	13,632	13,905	14,183	14,467	14,756	15,051	15,352	15,659	
GR	GR3		4,270	5,792	4,360	4,447	4,536	4,627	4,719	4,813	4,910	5,008	5,108	5,210	5,314	5,421	5,529	5,640	
GR	GR4		7,338	6,924	8,633	8,805	8,982	9,161	9,344	9,531	9,722	9,916	10,115	10,317	10,523	10,734	10,949	11,167	
MC	MC1		11,892	17,333	12,669	12,923	13,181	13,445	13,714	13,988	14,268	14,553	14,844	15,141	15,444	15,753	16,068	16,389	
MC	MC2		16,179	11,941	15,201	15,505	15,815	16,131	16,454	16,783	17,118	17,461	17,810	18,166	18,530	18,900	19,278	19,664	
MC	MC3		18,313	14,238	17,221	17,566	17,917	18,275	18,641	19,014	19,394	19,782	20,177	20,581	20,993	21,412	21,841	22,278	
MC	MC4		16,531	18,981	17,245	17,590	17,942	18,300	18,666	19,040	19,421	19,809	20,205	20,609	21,021	21,442	21,871	22,308	
TC	TC1		17,205	15,170	17,403	17,751	18,106	18,468	18,837	19,214	19,598	19,990	20,390	20,798	21,214	21,638	22,071	22,512	
TY	TY3		410	416	418	427	435	444	453	462	471	480	490	500	510	520	530	541	

		2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Retirement Cost															
All Units		0	0	0	0	0	0	0	0	0	0	0	0	0	0
2% Escalation Rate															
Unit Costs (\$000)															
BR	BR1	5,237	5,342	5,449	5,558	5,669	5,782	5,898	6,016	6,136	6,259	6,384	6,512	6,642	6,775
BR	BR2	9,570	9,762	9,957	10,156	10,359	10,566	10,778	10,993	11,213	11,437	11,666	11,899	12,137	12,380
BR	BR3	19,865	20,058	20,460	20,869	21,286	21,712	22,146	22,589	23,041	23,502	23,972	24,451	24,940	25,439
CR	CR4	15,872	16,189	16,513	16,843	17,180	17,524	17,874	18,232	18,596	18,968	19,347	19,734	20,129	20,532
CR	CR5	16,877	17,215	17,559	17,910	18,269	18,634	19,007	19,387	19,775	20,170	20,573	20,985	21,405	21,833
CR	CR6	13,423	13,691	13,965	14,244	14,529	14,820	15,116	15,418	15,727	16,041	16,362	16,689	17,023	17,364
GH	GH1	23,705	24,179	24,663	25,156	25,659	26,172	26,696	27,230	27,774	28,330	28,897	29,474	30,064	30,665
GH	GH2	17,720	18,074	18,436	18,804	19,181	19,564	19,955	20,355	20,762	21,177	21,600	22,032	22,473	22,923
GH	GH3	16,460	16,790	17,125	17,468	17,817	18,174	18,537	18,908	19,286	19,672	20,065	20,466	20,876	21,293
GH	GH4	15,973	16,292	16,618	16,950	17,289	17,635	17,988	18,347	18,714	19,089	19,470	19,860	20,257	20,662
GR	GR3	5,753	5,868	5,985	6,105	6,227	6,351	6,478	6,608	6,740	6,875	7,012	7,153	7,296	7,442
GR	GR4	11,391	11,619	11,851	12,088	12,330	12,576	12,828	13,084	13,346	13,613	13,885	14,163	14,446	14,735
MC	MC1	16,717	17,051	17,392	17,740	18,095	18,457	18,826	19,202	19,586	19,978	20,378	20,785	21,201	21,625
MC	MC2	20,057	20,458	20,867	21,285	21,710	22,145	22,587	23,039	23,500	23,970	24,449	24,938	25,437	25,946
MC	MC3	22,723	23,178	23,641	24,114	24,596	25,088	25,590	26,102	26,624	27,156	27,699	28,253	28,818	29,395
MC	MC4	22,754	23,209	23,674	24,147	24,630	25,123	25,625	26,138	26,660	27,194	27,737	28,292	28,858	29,435
TC	TC1	22,962	23,422	23,890	24,368	24,855	25,352	25,859	26,377	26,904	27,442	27,991	28,551	29,122	29,704
TY	TY3	552	563	574	586	597	609	622	634	647	660	673	686	700	714

Escalation Rate: 2% Year \$: 2010 Fixed O&M \$/yr

Month	Year	Equipment	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR1	5	2014 PUFF/PAC	0	0	0	0	598,882	610,860	623,077	635,538	648,249	661,214	674,439	687,927	701,686	715,720	730,034	744,635	759,527	774,718
BR1	5	2014 SAM Mitigation	0	0	0	0	78,540	137,353	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171
BR2	1	2014 SCR	0	0	0	0	0	0	0	0	2,141,793	2,228,322	2,318,888	2,412,007	2,508,247	2,607,000	2,708,878	2,813,496	2,921,561	3,032,884
BR2	4	2014 PUFF/PAC	0	0	0	0	714,168	728,451	743,020	757,880	773,038	788,499	804,269	820,354	836,761	853,496	870,566	887,978	905,737	923,852
BR2	4	2014 SAM Mitigation	0	0	0	0	134,640	137,353	140,079	142,881	145,739	148,653	151,627	154,659	157,752	160,907	164,125	167,408	170,756	174,171
BR3	1	2018 SCR	0	0	0	0	0	0	0	0	3,260,728	3,325,943	3,392,517	3,460,311	3,529,517	3,600,107	3,672,109	3,745,552	3,820,463	3,896,872
BR3	5	2015 PUFF/PAC	0	0	0	0	1,067,560	1,088,911	1,110,689	1,132,903	1,155,561	1,178,672	1,202,245	1,226,290	1,250,916	1,275,832	1,301,349	1,327,376	1,353,924	1,381,000
GH1	5	2014 PUFF/PAC	0	0	0	0	1,293,082	1,318,944	1,345,322	1,372,229	1,399,673	1,427,667	1,456,220	1,485,345	1,515,052	1,545,353	1,576,260	1,607,785	1,639,941	1,672,739
GH1	5	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH1	2	2013 SAM Mitigation	0	0	0	0	4,899	0	0	0	0	0	0	0	0	0	0	0	0	0
GH2	11	2014 PUFF/PAC	0	0	0	0	777,600	1,618,030	1,650,391	1,683,399	1,717,067	1,751,408	1,786,436	1,822,165	1,858,608	1,895,781	1,933,696	1,972,370	2,011,817	2,052,040
GH2	12	2012 Sorbent Injection	6,264,000	8,064	98,700	0	100,674	102,687	104,741	106,836	108,973	111,162	113,397	115,643	117,956	120,315	122,721	125,175	127,679	130,232
GH3	10	2015 PUFF/PAC	0	0	0	0	0	0	0	7,339,274	7,486,060	7,635,781	7,788,497	7,944,267	8,103,152	8,265,215	8,430,519	8,599,130	8,771,112	8,947,584
GH3	11	2013 SCR Turn-Down	0	0	0	0	0	0	0	1,384,741	1,412,435	1,440,684	1,469,498	1,498,888	1,528,865	1,559,443	1,590,632	1,622,444	1,654,893	1,688,500
GH4	12	2015 PUFF/PAC	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH4	3	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH4	2	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC1	5	2015 Combined 1&2 FGD	0	0	0	0	-238,642	-219,636	-200,250	-180,476	-160,306	-139,793	-118,749	-92,124	-69,946	-42,607	-12,537	-128,537	-131,108	-133,730
MC1	5	2015 PUFF/PAC	0	0	0	0	1,446,222	1,475,147	1,504,650	1,534,743	1,565,438	1,596,746	1,628,681	1,661,255	1,694,480	1,728,370	1,762,937	1,798,196	1,834,160	1,870,840
MC1	5	2015 SAM Mitigation	0	0	0	0	22,100	38,643	55,186	71,729	88,272	104,815	121,358	137,901	154,444	170,987	187,530	204,073	220,616	237,159
MC2	4	2015 SCR	0	0	0	0	0	0	0	3,181,055	3,244,676	3,309,570	3,375,761	3,443,276	3,512,142	3,582,385	3,654,033	3,727,113	3,801,655	3,878,656
MC2	4	2015 Combined 1&2 FGD	0	0	0	0	186,506	205,512	224,899	244,673	264,842	285,415	306,400	312,528	318,778	325,154	331,657	338,290	345,056	351,944
MC2	4	2015 PUFF/PAC	0	0	0	0	1,418,867	1,447,245	1,476,189	1,505,713	1,535,828	1,566,544	1,597,875	1,629,829	1,662,429	1,695,678	1,729,591	1,764,183	1,799,467	1,835,444
MC2	4	2015 SAM Mitigation	0	0	0	0	25,257	38,643	55,186	71,729	88,272	104,815	121,358	137,901	154,444	170,987	187,530	204,073	220,616	237,159
MC3	1	2018 SCR	0	0	0	0	0	0	0	3,150,428	3,254,237	3,319,322	3,385,708	3,453,422	3,522,491	3,592,941	3,664,799	3,738,095	3,812,857	3,889,074
MC3	11	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC3	10	2015 PUFF/PAC	0	0	0	0	646,753	1,319,377	1,345,764	1,372,679	1,400,133	1,428,136	1,456,698	1,485,832	1,515,549	1,545,860	1,576,777	1,608,313	1,640,479	1,673,279
MC3	4	2013 SAM Mitigation	0	0	0	0	36,824	37,560	38,312	39,078	39,859	40,657	41,470	42,299	43,145	44,008	44,888	45,786	46,702	47,636
MC4	11	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC4	11	2014 PUFF/PAC	0	0	0	0	743,376	1,516,487	1,546,817	1,577,754	1,609,309	1,641,495	1,674,325	1,707,811	1,741,967	1,777,807	1,812,343	1,848,590	1,885,562	1,923,273
MC4	11	2014 SAM Mitigation	0	0	0	0	3,095	37,885	38,643	39,416	40,204	41,008	41,828	42,665	43,518	44,388	45,276	46,182	47,105	48,047
MC4	11	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC1	11	2015 PUFF/PAC	0	0	0	0	493,761	1,007,273	1,027,418	1,047,966	1,068,926	1,090,304	1,112,110	1,134,353	1,157,040	1,180,180	1,203,784	1,227,860	1,252,417	1,277,454
CR4	1	2016 SCR	1,871,000	0	0	0	0	2,107,050	2,149,191	2,192,175	2,236,018	2,280,739	2,326,353	2,372,880	2,420,338	2,468,745	2,518,120	2,568,482	2,619,852	2,672,247
CR4	1	2016 WFGD	1,191,000	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR4	1	2016 PUFF	0	0	0	0	1,341,259	1,368,085	1,395,446	1,423,355	1,451,822	1,480,859	1,510,476	1,540,685	1,571,999	1,604,429	1,637,986	1,672,772	1,708,788	1,745,035
CR4	1	2016 SAM Mitigation	174,000	0	0	0	195,952	199,871	203,869	207,946	212,105	216,347	220,674	225,088	229,589	234,181	238,865	243,642	248,514	253,482
CR4	1	2016 PAC Injection	169,000	0	0	0	190,321	194,128	198,010	201,971	206,010	210,130	214,333	218,620	222,992	227,452	232,001	236,641	241,374	246,202
CR5	1	2016 SCR	1,993,000	0	0	0	0	2,444,442	2,489,331	2,535,117	2,581,819	2,629,456	2,678,045	2,727,606	2,778,158	2,829,721	2,882,316	2,935,962	2,990,681	3,046,484
CR5	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR5	1	2016 PUFF	1,251,000	0	0	0	1,408,829	1,437,006	1,465,746	1,495,061	1,524,962	1,555,461	1,586,570	1,618,302	1,650,668	1,683,681	1,717,355	1,751,702	1,786,831	1,822,745
CR5	1	2016 SAM Mitigation	177,000	0	0	0	199,331	203,317	207,384	211,531	215,762	220,077	224,479	228,968	233,548	238,219	242,983	247,842	252,799	257,854
CR5	1	2016 PAC Injection	172,000	0	0	0	193,700	197,574	201,525	205,556	209,667	213,860	218,138	222,500	226,950	231,489	236,119	240,842	245,661	250,579
CR6	1	2016 SCR	2,392,000	0	0	0	2,693,781	2,747,656	2,802,609	2,858,661	2,915,835	2,974,151	3,033,634	3,094,307	3,156,193	3,219,317	3,283,703	3,349,377	3,416,352	3,483,645
CR6	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR6	1	2016 PUFF	1,632,000	0	0	0	1,837,897	1,874,655	1,912,148	1,950,391	1,989,399	2,029,187	2,069,771	2,111,166	2,153,389	2,196,957	2,240,886	2,285,194	2,329,891	2,375,079
CR6	1	2016 SAM Mitigation	198,000	0	0	0	222,980	227,440	231,989	236,628	241,361	246,188	251,112	256,134	261,257	266,482	271,812	277,248	282,795	288,454
CR6	1	2016 PAC Injection	191,000	0	0	0	215,097	219,399	223,787	228,263	232,828	237,484	242,234	247,079	252,020	257,061	262,202	267,446	272,795	278,250
GR3	1	2018 SCR	943,000	0	0	0	0	0	0	1,104,875	1,126,972	1,149,512	1,172,502	1,195,952	1,219,871	1,244,268	1,269,154	1,294,539	1,320,428	1,347,321
GR3	1	2016 CDS-FF	3,322,000	0	0	0	3,741,112	3,815,934	3,892,252	3,970,098	4,049,499	4,130,489	4,213,099	4,297,361	4,383,308	4,470,975	4,560,394	4,651,602	4,743,710	4,837,729
GR3	1	2016 PAC Injection	1,441,000	0	0	0	158,789	161,965	165,204	168,508	171,878	175,316	178,822	182,399	186,047	189,767	193,565	197,434	201,374	205,384
GR4	1	2018 SCR	1,284,000	0	0	0	1,504,411	1,534,499	1,565,189	1,596,493	1,628,422	1,660,991	1,694,211	1,728,095	1,762,557	1,797,610	1,833,264	1,869,530	1,906,407	1,943,896
GR4	1	2016 CDS-FF	4,309,000	0	0	0	4,852,634	4,949,687	5,048,680	5,149,654	5,252,647	5,357,700	5,464,854	5,574,151	5,685,634	5,799,347	5,915,334	6,033,640	6,154,384	6,276,584
GR4	1	2016 PAC Injection	150,000	0	0	0	168,924	172,303	175,749	179,264	182,849	186,506	190,236	194,041	197,922	201,880	205,918	210,036	214,234	218,513

Escalation Rate: 2% Year \$:

	Month	Year	Equipment	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
BR	BR1	5	2014 PIFF/PAC	790,212	806,016	822,137	838,580	855,351	872,458	889,907	907,705	925,860	944,377	963,264	982,530	1,002,180	
BR	BR1	5	2014 SAM Mitigation	177,655	181,208	188,529	196,145	199,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309	231,169
BR	BR2	1	2018 SCR	2,610,834	2,663,051	2,716,312	2,770,638	2,826,051	2,882,572	2,940,223	2,999,028	3,059,008	3,120,188	3,182,592	3,246,244	3,311,169	3,377,811
BR	BR2	4	2014 PIFF/PAC	942,329	961,175	980,399	1,000,007	1,020,007	1,040,407	1,061,215	1,082,440	1,104,088	1,126,170	1,148,694	1,171,668	1,195,101	1,215,309
BR	BR2	4	2014 SAM Mitigation	177,655	181,208	188,529	196,145	199,299	196,145	200,068	204,069	208,151	212,314	216,560	220,891	225,309	231,169
BR	BR2	1	2018 SCR	3,974,809	4,054,305	4,135,392	4,218,089	4,302,461	4,388,511	4,476,238	4,565,806	4,657,123	4,750,265	4,845,270	4,942,176	5,041,019	5,141,745
BR	BR3	1	2015 PIFF/PAC	1,381,002	1,408,622	1,436,795	1,465,530	1,494,841	1,524,738	1,555,233	1,586,337	1,618,064	1,650,425	1,683,434	1,717,103	1,751,445	1,786,567
GH	GH1	5	2014 PIFF/PAC	1,706,194	1,740,318	1,775,124	1,810,627	1,846,839	1,883,776	1,921,452	1,959,881	1,999,078	2,039,060	2,079,841	2,121,438	2,163,867	2,207,145
GH	GH1	5	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH1	2	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH2	11	2014 PIFF/PAC	2,052,054	2,093,095	2,134,957	2,177,656	2,221,209	2,265,633	2,310,946	2,357,165	2,404,308	2,452,394	2,501,442	2,551,471	2,602,500	2,654,639
GH	GH2	12	2012 Sorbent Injection	132,837	135,494	138,204	140,968	143,787	146,663	149,596	152,588	155,640	158,753	161,928	165,166	168,470	171,840
GH	GH2	1	2018 SCR	8,946,534	9,125,465	9,307,974	9,494,134	9,684,017	9,877,697	10,075,251	10,276,756	10,482,291	10,691,937	10,905,776	11,123,891	11,346,369	11,574,211
GH	GH3	10	2015 PIFF/PAC	1,687,991	1,721,751	1,756,186	1,791,310	1,827,136	1,863,678	1,900,952	1,938,971	1,977,751	2,017,306	2,057,652	2,098,805	2,140,781	2,183,611
GH	GH3	11	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH3	2	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH4	12	2015 PIFF/PAC	1,634,782	1,667,477	1,700,827	1,734,844	1,769,540	1,804,931	1,841,030	1,877,850	1,915,407	1,953,716	1,992,790	2,032,646	2,073,299	2,114,750
GH	GH4	3	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	
GH	GH4	2	2013 SAM Mitigation	0	0	0	0	0	0	0	0	0	0	0	0	0	
MC	MC1	5	2015 Combined 1&2 F	-156,405	-139,133	-141,916	-144,754	-147,649	-150,602	-153,614	-156,686	-159,820	-163,017	-166,277	-169,602	-172,994	-176,454
MC	MC1	5	2015 PIFF/PAC	1,870,843	1,908,260	1,946,425	1,985,354	2,025,061	2,065,562	2,106,873	2,149,010	2,191,991	2,235,831	2,280,547	2,326,158	2,372,681	2,419,634
MC	MC1	5	2015 SAM Mitigation	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155	63,397
MC	MC1	1	2018 SCR	3,877,689	3,955,242	4,034,347	4,115,034	4,197,335	4,281,282	4,366,907	4,454,245	4,543,330	4,634,197	4,726,881	4,821,418	4,917,847	5,015,134
MC	MC2	4	2015 Combined 1&2 F	351,957	358,996	366,176	373,499	380,969	388,589	396,361	404,288	412,374	420,621	429,033	437,614	446,366	455,289
MC	MC2	4	2015 PIFF/PAC	1,835,456	1,872,165	1,909,608	1,947,801	1,986,757	2,026,492	2,067,029	2,108,362	2,150,529	2,203,411	2,282,159	2,327,802	2,375,211	2,424,394
MC	MC2	4	2015 SAM Mitigation	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155	63,397
MC	MC2	1	2018 SCR	3,889,115	3,966,897	4,046,235	4,127,159	4,209,703	4,293,897	4,379,775	4,467,370	4,556,718	4,647,852	4,740,809	4,835,625	4,932,338	5,030,989
MC	MC3	11	2014 FGD	0	0	0	0	0	0	0	0	0	0	0	0	0	
MC	MC3	10	2015 PIFF/PAC	1,673,288	1,706,754	1,740,889	1,775,707	1,811,221	1,847,446	1,884,395	1,922,083	1,960,524	1,999,735	2,039,729	2,080,524	2,122,134	2,164,579
MC	MC3	4	2013 SAM Mitigation	48,598	49,560	50,551	51,562	52,594	53,645	54,718	55,813	56,929	58,068	59,229	60,414	61,622	62,854
MC	MC3	4	2013 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	
MC	MC4	11	2014 PIFF/PAC	1,961,738	2,000,973	2,040,992	2,081,812	2,123,449	2,165,918	2,209,236	2,253,421	2,298,489	2,344,459	2,391,348	2,439,175	2,487,958	2,537,700
MC	MC4	11	2014 SAM Mitigation	49,008	49,989	50,988	52,008	53,048	54,109	55,191	56,295	57,421	58,570	59,741	60,936	62,155	63,397
MC	MC4	11	2014 SCR Turn-Down	0	0	0	0	0	0	0	0	0	0	0	0	0	
TC	TC1	11	2015 PIFF/PAC	1,277,465	1,303,015	1,329,075	1,355,656	1,382,269	1,410,425	1,438,633	1,467,406	1,496,754	1,526,689	1,557,223	1,588,367	1,620,135	1,652,547
CR	CR4	1	2016 SCR	2,672,249	2,725,694	2,780,208	2,835,812	2,892,528	2,950,379	3,009,386	3,069,574	3,130,965	3,193,585	3,257,456	3,322,605	3,389,058	3,456,834
CR	CR4	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	
CR	CR4	1	2016 PIFF	1,701,041	1,755,062	1,769,763	1,805,159	1,841,262	1,878,087	1,915,649	1,953,962	1,993,041	2,032,902	2,073,560	2,115,031	2,157,332	2,200,473
CR	CR4	1	2016 SAM Mitigation	248,515	253,485	258,555	263,726	269,000	274,380	279,868	285,465	291,175	296,998	302,938	308,997	315,177	321,477
CR	CR4	1	2016 PAC Injection	241,374	246,201	251,125	256,148	261,271	266,496	271,826	277,262	282,808	288,464	294,233	300,118	306,120	312,249
CR	CR5	1	2016 SCR	2,846,485	2,903,425	2,961,493	3,020,723	3,081,437	3,142,760	3,205,615	3,269,728	3,335,122	3,401,825	3,469,861	3,539,258	3,610,044	3,682,231
CR	CR5	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	
CR	CR5	1	2016 PIFF	1,786,736	1,824,471	1,858,920	1,896,099	1,934,021	1,972,701	2,012,155	2,052,398	2,093,446	2,135,315	2,178,021	2,221,582	2,266,013	2,311,324
CR	CR5	1	2016 SAM Mitigation	252,800	257,856	263,013	268,273	273,638	279,111	284,693	290,387	296,195	302,119	308,161	314,325	320,611	327,020
CR	CR5	1	2016 PAC Injection	245,658	250,572	255,586	260,695	265,900	271,227	276,651	282,184	287,828	293,584	299,456	305,445	311,554	317,794
CR	CR6	1	2016 SCR	3,416,365	3,484,692	3,554,383	3,625,474	3,697,983	3,771,943	3,847,388	3,924,330	4,002,846	4,082,872	4,164,590	4,247,820	4,332,777	4,419,470
CR	CR6	1	2016 WFGD	0	0	0	0	0	0	0	0	0	0	0	0	0	
CR	CR6	1	2016 PIFF	2,330,898	2,377,516	2,425,066	2,473,567	2,523,039	2,573,500	2,624,970	2,677,469	2,731,018	2,785,639	2,841,352	2,898,179	2,956,142	3,015,273
CR	CR6	1	2016 SAM Mitigation	282,793	288,449	294,214	300,102	306,104	312,226	318,471	324,840	331,337	337,964	344,723	351,617	358,650	365,834
CR	CR6	1	2016 PAC Injection	272,795	278,251	283,816	289,492	295,282	301,188	307,212	313,356	319,623	326,015	332,536	339,186	345,970	352,900
GR	GR3	1	2018 SCR	1,346,836	1,373,773	1,401,248	1,429,273	1,457,859	1,487,016	1,516,756	1,547,091	1,578,033	1,609,594	1,641,786	1,674,622	1,708,114	1,742,266
GR	GR3	1	2016 CDS-FF	4,744,634	4,839,527	4,936,317	5,035,044	5,135,744	5,238,459	5,343,229	5,450,093	5,559,055	5,670,277	5,783,682	5,899,356	6,017,343	6,137,684
GR	GR3	1	2016 PAC Injection	201,383	205,410	209,519	213,709	217,983	222,343	226,790	231,325	235,952	240,671	245,484	250,394	255,402	260,510
GR	GR4	1	2018 SCR	1,833,868	1,870,546	1,907,956	1,946,116	1,985,038	2,024,739	2,065,233	2,106,538	2,148,658	2,192,599	2,238,371	2,284,984	2,332,448	2,380,782
GR	GR4	1	2016 CDS-FF	6,154,313	6,277,399	6,402,947	6,531,006	6,661,626	6,794,859	6,930,756	7,069,371	7,210,759	7,354,974	7,502,073	7,652,115	7,805,157	7,958,200
GR	GR4	1	2016 PAC Injection	214,237	219,522	222,882	227,350	231,897	236,535	241,266	246,091	251,013	256,033	261,154	266,377	271,704	277,136

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR1	BRL	101	69	164	256	346	434	520	605	689	771	852	931	1,008	1,085	1,163	1,241	1,320	1,399	1,479	1,560	1,642	1,724	1,807	1,891	1,975	2,061	2,147	
BR2	BR2	167	114	271	423	571	717	860	1,001	1,139	1,275	1,408	1,539	1,667	1,794	1,922	2,052	2,182	2,313	2,446	2,579	2,714	2,850	2,988	3,126	3,266	3,407	3,550	
BR3	BR3	416	285	675	1,053	1,423	1,786	2,143	2,493	2,838	3,176	3,508	3,834	4,155	4,469	4,789	5,111	5,435	5,762	6,092	6,425	6,761	7,100	7,442	7,787	8,136	8,488	8,843	
CR4	CR4	155	77	204	327	447	564	678	790	899	1,006	1,109	1,210	1,308	1,405	1,501	1,596	1,691	1,786	1,880	1,974	2,023	2,073	2,125	2,178	2,233	2,289	2,346	
CR5	CR5	168	84	221	355	485	611	735	856	975	1,090	1,202	1,312	1,418	1,522	1,626	1,730	1,833	1,936	2,038	2,139	2,247	2,354	2,461	2,569	2,678	2,788	2,898	
CR6	CR6	240	120	316	507	692	873	1,050	1,223	1,392	1,557	1,718	1,874	2,026	2,175	2,324	2,471	2,619	2,765	2,911	3,056	3,201	3,346	3,491	3,637	3,783	3,929	4,076	
GH1	GH1	475	510	1,206	1,884	2,548	3,200	3,843	4,477	5,101	5,717	6,322	6,918	7,504	8,080	8,653	9,214	9,773	10,330	10,885	11,439	12,000	12,567	13,140	13,719	14,304	14,885	15,472	16,059
GH2	GH2	484	520	1,228	1,920	2,596	3,261	3,916	4,562	5,198	5,825	6,442	7,049	7,646	8,233	8,817	9,398	9,977	10,554	11,131	11,716	12,307	12,903	13,504	14,111	14,724	15,343	15,968	16,598
GH3	GH3	480	516	1,218	1,904	2,575	3,234	3,883	4,524	5,155	5,777	6,389	6,991	7,583	8,165	8,744	9,328	9,917	10,511	11,111	11,716	12,327	12,943	13,564	14,191	14,824	15,463	16,107	16,756
GH4	GH4	479	515	1,216	1,900	2,570	3,227	3,875	4,514	5,144	5,765	6,376	6,977	7,567	8,148	8,726	9,308	9,896	10,489	11,088	11,692	12,302	12,917	13,538	14,166	14,800	15,440	16,087	16,741
GR	GR	68	39	96	151	205	258	309	360	410	458	506	553	598	643	689	734	780	825	871	918	964	1,011	1,057	1,104	1,152	1,199	1,247	1,295
GR4	GR4	95	55	134	211	286	360	432	503	572	640	707	772	836	899	962	1,026	1,089	1,153	1,217	1,282	1,347	1,412	1,477	1,543	1,609	1,675	1,742	1,809
MC1	MC1	303	309	767	1,213	1,649	2,077	2,497	2,910	3,315	3,714	4,104	4,487	4,862	5,229	5,592	5,956	6,320	6,686	7,053	7,421	7,790	8,160	8,531	8,903	9,277	9,651	10,027	10,403
MC2	MC2	301	307	762	1,205	1,639	2,063	2,480	2,891	3,294	3,689	4,077	4,458	4,830	5,194	5,555	5,916	6,279	6,642	7,007	7,372	7,739	8,106	8,475	8,845	9,216	9,588	9,961	10,335
MC3	MC3	391	398	989	1,565	2,128	2,680	3,222	3,755	4,278	4,792	5,296	5,790	6,274	6,747	7,216	7,685	8,156	8,628	9,102	9,576	10,052	10,530	11,009	11,489	11,971	12,455	12,940	13,426
MC4	MC4	477	486	1,207	1,910	2,597	3,270	3,931	4,581	5,219	5,846	6,461	7,064	7,654	8,231	8,803	9,376	9,950	10,526	11,103	11,683	12,263	12,846	13,431	14,016	14,604	15,194	15,786	16,380
TC1	TC1	383	115	270	420	567	712	855	996	1,135	1,272	1,407	1,539	1,670	1,799	1,927	2,057	2,188	2,320	2,453	2,588	2,725	2,863	3,002	3,144	3,286	3,431	3,577	
TC2	TC2	549	166	386	602	813	1,021	1,225	1,427	1,626	1,823	2,016	2,207	2,394	2,579	2,762	2,948	3,136	3,325	3,517	3,710	3,906	4,104	4,304	4,506	4,711	4,918	5,127	5,337
TY	TY	71	94	233	368	499	628	754	878	999	1,118	1,234	1,347	1,458	1,568	1,677	1,787	1,898	2,008	2,119	2,230	2,341	2,453	2,565	2,678	2,790	2,904	3,017	

2.50% Capital Escalation Rate

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036								
	2021 TY												120	175	165	157	149	141	134	127	120	113	106	99	93	90	87	84								
	2022 TY												123	123	179	169	161	152	145	138	130	123	116	108	101	96	93	89								
	2023 TY													126	126	184	174	165	156	149	141	134	126	119	111	104	98	95								
	2024 TY														129	129	188	178	169	160	152	145	137	129	122	114	106	101								
	2025 TY															132	193	182	173	164	156	148	140	133	125	117	109									
	2026 TY																136	198	187	177	168	160	152	144	136	128	120									
	2027 TY																139	198	187	177	168	160	152	144	136	128	120									
	2028 TY																143	203	192	182	172	164	156	148	140	132	124									
	2029 TY																146	208	196	186	177	168	160	152	144	136	128	120								
	2030 TY																150	213	196	186	177	168	160	152	144	136	128	120								
	2031 TY																154	218	206	196	186	177	168	160	152	144	136	128	120							
	2032 TY																154	224	224	212	201	201	201	201	201	201	201	201	201							
	2033 TY																157	229	229	229	229	229	229	229	229	229	229	229	229	229						
	2034 TY																161	235	235	235	235	235	235	235	235	235	235	235	235	235	235					
	2035 TY																165	241	241	241	241	241	241	241	241	241	241	241	241	241	241	241				
	2036 TY																169	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247	247			
	2037 TY																174	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253	253		
	2038 TY																174	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	259	
	2039 TY																174	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265	265
	2040 TY																174	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271	271

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BRL	101	2,234	2,322	2,411	2,501	2,446	2,340	2,239	2,145	2,055	1,969	1,867	1,770	1,678	1,591	1,510	1,434	1,361	1,290	1,219	1,149	1,080	1,013	946
BR	BR2	167	3,694	3,839	3,986	4,135	4,045	3,868	3,703	3,546	3,397	3,255	3,087	2,926	2,774	2,631	2,496	2,371	2,251	2,132	2,015	1,900	1,787	1,675	1,564
BR	BR3	416	9,202	9,564	9,930	10,300	10,076	9,636	9,223	8,833	8,463	8,109	7,769	7,439	7,119	6,808	6,505	6,210	5,924	5,647	5,379	5,119	4,867	4,614	4,361
CR	CR4	155	2,405	2,465	2,526	2,589	2,492	2,292	2,102	1,921	1,747	1,580	1,421	1,269	1,125	988	859	738	623	511	402	297	194	95	0
CR	CR5	168	2,606	2,671	2,738	2,807	2,701	2,484	2,278	2,082	1,893	1,713	1,540	1,375	1,219	1,071	931	800	675	554	436	322	211	103	0
CR	CR6	240	3,723	3,846	3,974	4,109	3,858	3,549	3,255	2,974	2,705	2,447	2,200	1,965	1,741	1,529	1,330	1,143	965	792	623	459	301	148	0
CR	CR7	475	16,601	17,256	17,918	18,587	18,193	17,419	16,688	15,994	15,334	14,702	14,098	13,525	12,986	12,480	11,999	11,543	11,111	10,702	10,314	9,956	9,627	9,317	9,016
CR	CR8	484	16,915	17,583	18,257	18,939	18,537	17,749	17,004	16,297	15,624	14,991	14,365	13,768	13,207	12,674	12,161	11,669	11,198	10,746	10,314	9,904	9,514	9,143	8,791
CR	CR9	480	16,775	17,437	18,106	18,782	18,384	17,602	16,863	16,163	15,495	14,857	14,246	13,666	13,119	12,602	12,111	11,643	11,198	10,774	10,372	9,991	9,630	9,288	8,956
CR	CR10	479	16,741	17,401	18,069	18,743	18,346	17,565	16,828	16,129	15,466	14,826	14,217	13,634	13,082	12,559	12,062	11,591	11,143	10,714	10,312	9,931	9,570	9,228	8,896
CR	CR11	68	3,295	3,434	3,577	3,724	3,581	3,281	3,031	2,781	2,531	2,281	2,031	1,781	1,531	1,281	1,031	781	531	281	31	18	5	0	0
CR	CR12	95	3,809	3,976	4,146	4,319	4,106	3,750	3,400	3,056	2,718	2,385	2,057	1,734	1,416	1,103	795	496	206	15	0	0	0	0	0
CR	CR13	303	10,278	10,535	10,798	11,068	10,698	10,020	9,375	8,758	8,166	7,598	7,053	6,531	6,033	5,559	5,110	4,687	4,290	3,910	3,538	3,173	2,817	2,468	2,128
CR	CR14	301	10,210	10,465	10,727	10,995	10,627	9,954	9,313	8,700	8,112	7,548	7,007	6,488	5,993	5,523	5,077	4,656	4,262	3,884	3,515	3,152	2,798	2,452	2,114
CR	CR15	391	13,463	13,935	14,412	14,894	14,385	13,483	12,613	11,776	10,972	10,199	9,457	8,744	8,060	7,404	6,775	6,172	5,594	5,040	4,508	4,000	3,515	3,053	2,614
CR	CR16	477	16,180	16,685	17,194	17,707	17,131	16,084	15,177	14,307	13,472	12,672	11,906	11,174	10,474	9,804	9,163	8,550	7,962	7,400	6,860	6,340	5,840	5,360	4,900
CR	CR17	549	5,339	5,554	5,771	5,991	5,866	5,629	5,405	5,193	4,992	4,801	4,618	4,445	4,280	4,125	3,980	3,842	3,706	3,576	3,450	3,328	3,210	3,096	2,986
CR	CR18	71	3,092	3,170	3,249	3,330	3,217	3,011	2,815	2,629	2,451	2,281	2,117	1,962	1,814	1,675	1,543	1,420	1,303	1,187	1,074	964	855	749	646
CR	CR19	201	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR20	202	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR21	203	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR22	204	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR23	205	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR24	206	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR25	207	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR26	208	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR27	209	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR28	210	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR29	211	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR30	212	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR31	213	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR32	214	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR33	215	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR34	216	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR35	217	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR36	218	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR37	219	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR38	220	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR39	221	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR40	222	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR41	223	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR42	224	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR43	225	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR44	226	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR45	227	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR46	228	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR47	229	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR48	230	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100	50	20	10
CR	CR49	231	7,000	7,200	7,400	7,600	7,300	6,800	6,300	5,800	5,300	4,800	4,300	3,800	3,300	2,800	2,300	1,800	1,300	800	300	100			

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
2029 MC	2029 MC	2039	1,857	1,760	1,698	1,656	1,613	1,575	1,531	1,481	1,436	1,388	1,338	1,286	1,266	1,205	1,143	1,081	1,020	0	0	0	0	0	0
2030 MC	2030 MC	2040	2,176	2,040	1,904	1,741	1,577	1,414	1,251	1,088	925	762	599	436	375	314	253	192	131	70	0	0	0	0	0
2031 MC	2031 MC	2051	2,321	2,091	1,861	1,631	1,401	1,171	941	711	481	251	21	0	0	0	0	0	0	0	0	0	0	0	0
2032 MC	2032 MC	2062	2,476	2,246	2,016	1,786	1,556	1,326	1,096	866	636	406	176	0	0	0	0	0	0	0	0	0	0	0	0
2033 MC	2033 MC	2073	2,631	2,401	2,171	1,941	1,711	1,481	1,251	1,021	791	561	331	0	0	0	0	0	0	0	0	0	0	0	0
2034 MC	2034 MC	2084	2,786	2,556	2,326	2,096	1,866	1,636	1,406	1,176	946	716	486	256	0	0	0	0	0	0	0	0	0	0	0
2035 MC	2035 MC	2095	2,941	2,711	2,481	2,251	2,021	1,791	1,561	1,331	1,101	871	641	411	0	0	0	0	0	0	0	0	0	0	0
2036 MC	2036 MC	2106	3,096	2,866	2,636	2,406	2,176	1,946	1,716	1,486	1,256	1,026	796	566	336	106	0	0	0	0	0	0	0	0	0
2037 MC	2037 MC	2117	3,251	3,021	2,791	2,561	2,331	2,101	1,871	1,641	1,411	1,181	951	721	491	261	0	0	0	0	0	0	0	0	0
2038 MC	2038 MC	2128	3,406	3,176	2,946	2,716	2,486	2,256	2,026	1,796	1,566	1,336	1,106	876	646	416	186	0	0	0	0	0	0	0	0
2039 MC	2039 MC	2139	3,561	3,331	3,101	2,871	2,641	2,411	2,181	1,951	1,721	1,491	1,261	1,031	801	571	341	111	0	0	0	0	0	0	0
2040 MC	2040 MC	2150	3,716	3,486	3,256	3,026	2,796	2,566	2,336	2,106	1,876	1,646	1,416	1,186	956	726	496	266	0	0	0	0	0	0	0
2041 TC	2041 TC	2161	3,871	3,641	3,411	3,181	2,951	2,721	2,491	2,261	2,031	1,801	1,571	1,341	1,111	881	651	421	191	0	0	0	0	0	0
2042 TC	2042 TC	2172	4,026	3,796	3,566	3,336	3,106	2,876	2,646	2,416	2,186	1,956	1,726	1,496	1,266	1,036	806	576	346	116	0	0	0	0	0
2043 TC	2043 TC	2183	4,181	3,951	3,721	3,491	3,261	3,031	2,801	2,571	2,341	2,111	1,881	1,651	1,421	1,191	961	731	501	271	0	0	0	0	0
2044 TC	2044 TC	2194	4,336	4,106	3,876	3,646	3,416	3,186	2,956	2,726	2,496	2,266	2,036	1,806	1,576	1,346	1,116	886	656	426	206	0	0	0	0
2045 TC	2045 TC	2205	4,491	4,261	4,031	3,801	3,571	3,341	3,111	2,881	2,651	2,421	2,191	1,961	1,731	1,501	1,271	1,041	811	581	356	126	0	0	0
2046 TC	2046 TC	2216	4,646	4,416	4,186	3,956	3,726	3,496	3,266	3,036	2,806	2,576	2,346	2,116	1,886	1,656	1,426	1,196	966	736	506	276	0	0	0
2047 TC	2047 TC	2227	4,801	4,571	4,341	4,111	3,881	3,651	3,421	3,191	2,961	2,731	2,501	2,271	2,041	1,811	1,581	1,351	1,121	891	666	436	206	0	0
2048 TC	2048 TC	2238	4,956	4,726	4,496	4,266	4,036	3,806	3,576	3,346	3,116	2,886	2,656	2,426	2,196	1,966	1,736	1,506	1,276	1,046	816	586	356	126	0
2049 TC	2049 TC	2249	5,111	4,881	4,651	4,421	4,191	3,961	3,731	3,501	3,271	3,041	2,811	2,581	2,351	2,121	1,891	1,661	1,431	1,201	971	741	511	281	0
2050 TC	2050 TC	2260	5,266	5,036	4,806	4,576	4,346	4,116	3,886	3,656	3,426	3,196	2,966	2,736	2,506	2,276	2,046	1,816	1,586	1,356	1,126	896	666	436	206
2051 TC	2051 TC	2271	5,421	5,191	4,961	4,731	4,501	4,271	4,041	3,811	3,581	3,351	3,121	2,891	2,661	2,431	2,201	1,971	1,741	1,511	1,281	1,051	821	591	281
2052 TC	2052 TC	2282	5,576	5,346	5,116	4,886	4,656	4,426	4,196	3,966	3,736	3,506	3,276	3,046	2,816	2,586	2,356	2,126	1,896	1,666	1,436	1,206	976	746	516
2053 TC	2053 TC	2293	5,731	5,501	5,271	5,041	4,811	4,581	4,351	4,121	3,891	3,661	3,431	3,201	2,971	2,741	2,511	2,281	2,051	1,821	1,591	1,361	1,131	886	656
2054 TC	2054 TC	2304	5,886	5,656	5,426	5,196	4,966	4,736	4,506	4,276	4,046	3,816	3,586	3,356	3,126	2,896	2,666	2,436	2,206	1,976	1,746	1,516	1,286	1,056	826
2055 TC	2055 TC	2315	6,041	5,811	5,581	5,351	5,121	4,891	4,661	4,431	4,201	3,971	3,741	3,511	3,281	3,051	2,821	2,591	2,361	2,131	1,901	1,671	1,441	1,211	896
2056 TC	2056 TC	2326	6,196	5,966	5,736	5,506	5,276	5,046	4,816	4,586	4,356	4,126	3,896	3,666	3,436	3,206	2,976	2,746	2,516	2,286	2,056	1,826	1,596	1,366	906
2057 TC	2057 TC	2337	6,351	6,121	5,891	5,661	5,431	5,201	4,971	4,741	4,511	4,281	4,051	3,821	3,591	3,361	3,131	2,901	2,671	2,441	2,211	1,981	1,751	1,521	916
2058 TC	2058 TC	2348	6,506	6,276	6,046	5,816	5,586	5,356	5,126	4,896	4,666	4,436	4,206	3,976	3,746	3,516	3,286	3,056	2,826	2,596	2,366	2,136	1,906	1,676	926
2059 TC	2059 TC	2359	6,661	6,431	6,201	5,971	5,741	5,511	5,281	5,051	4,821	4,591	4,361	4,131	3,901	3,671	3,441	3,211	2,981	2,751	2,521	2,291	2,061	1,831	936
2060 TC	2060 TC	2370	6,816	6,586	6,356	6,126	5,896	5,666	5,436	5,206	4,976	4,746	4,516	4,286	4,056	3,826	3,596	3,366	3,136	2,906	2,676	2,446	2,216	1,986	946
2061 TC	2061 TC	2381	6,971	6,741	6,511	6,281	6,051	5,821	5,591	5,361	5,131	4,901	4,671	4,441	4,211	3,981	3,751	3,521	3,291	3,061	2,831	2,601	2,371	2,141	956
2062 TC	2062 TC	2392	7,126	6,896	6,666	6,436	6,206	5,976	5,746	5,516	5,286	5,056	4,826	4,596	4,366	4,136	3,906	3,676	3,446	3,216	2,986	2,756	2,526	2,296	966
2063 TC	2063 TC	2403	7,281	7,051	6,821	6,591	6,361	6,131	5,901	5,671	5,441	5,211	4,981	4,751	4,521	4,291	4,061	3,831	3,601	3,371	3,141	2,911	2,681	2,451	976
2064 TC	2064 TC	2414	7,436	7,206	6,976	6,746	6,516	6,286	6,056	5,826	5,596	5,366	5,136	4,906	4,676	4,446	4,216	3,986	3,756	3,526	3,296	3,066	2,836	2,606	986
2065 TC	2065 TC	2425	7,591	7,361	7,131	6,901	6,671	6,441	6,211	5,981	5,751	5,521	5,291	5,061	4,831	4,601	4,371	4,141	3,911	3,681	3,451	3,221	2,991	2,761	996
2066 TC	2066 TC	2436	7,746	7,516	7,286	7,056	6,826	6,596	6,366	6,136	5,906	5,676	5,446	5,216	4,986	4,756	4,526	4,296	4,066	3,836	3,606	3,376	3,146	2,916	1,006
2067 TC	2067 TC	2447	7,901	7,671	7,441	7,211	6,981	6,751	6,521	6,291	6,061	5,831	5,601	5,371	5,141	4,911	4,681	4,451	4,221	3,991	3,761	3,531	3,301	3,071	1,016
2068 TC	2068 TC	2458	8,056	7,826	7,596	7,366	7,136	6,906	6,676	6,446	6,216	5,986	5,756	5,526	5,296	5,066	4,836	4,606	4,376	4,146	3,916	3,686	3,456	3,226	1,026
2069 TC	2069 TC	2469	8,211	7,981	7,751	7,521	7,291	7,061	6,831	6,601	6,371	6,141	5,911	5,681	5,451	5,221	4,991	4,761	4,531	4,301	4,071	3,841	3,611	3,381	1,036
2070 TC	2070 TC	2480	8,366	8,136	7,906	7,676	7,446	7,216	6,986	6,756	6,526	6,296	6,066	5,836	5,606	5,376	5,146	4,916	4,686	4,456	4,226	3,996	3,766	3,536	1,046
2071 TC	2071 TC	2491	8,521	8,291	8,061	7,831	7,601	7,371	7,141	6,911	6,681	6,451	6,221	5,991	5,761	5,531	5,301	5,071	4,841	4,611	4,381	4,151	3,921	3,691	1,056
2072 TC	2072 TC	2502	8,676	8,446	8,216	7,986	7,756	7,526	7,296	7,066	6,836	6,606	6,376	6,146	5,916	5,686	5,456	5,226	4,996	4,766	4,536	4,306	4,076	3,846	1,066
2073 TC	2073 TC	2513	8,831	8,601	8,371	8,141	7,911	7,681	7,451	7,221	6,991	6,761	6,531	6,301	6,071	5,841	5,611	5,381	5,151	4,921	4,691	4,461	4,231	4,001	1,076
2074 TC	2074 TC	2524	8,986	8,756	8,526	8,296	8,066	7,836	7,606	7,376	7,146	6,916	6,686	6,456	6,226	5,996	5,766	5,536	5,306	5,076	4,846	4,616	4,386	4,156	1,086
2075 TC	2075 TC	2535	9,141	8,911	8,681	8,451	8,221	7,991	7,761	7,531	7,301	7,071	6,841	6,611	6,381	6,151	5,921	5,691	5,461	5,231	5,001	4,771	4,541	4,311	1,096
2076 TC	2076 TC	2546	9,296	9,066	8,836	8,606	8,376	8,146	7,916	7,686	7,456	7,226	6,996	6,766	6,536	6,306	6,076	5,846	5,616	5,386	5,156	4,926	4,696	4,466	1,106
2077 TC	2077 TC	2557	9,451	9,221	8,991	8,761	8,531	8,301	8,071	7,841	7,611	7,381	7,151	6,921	6,691	6,461	6,231	6							

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	
	2040 GH																									
	2011 BR		226	218	209	200	191	182	173	165	156	147	4,236	4,030	3,824	3,618	3,412	3,206	3,055	2,987	2,910	2,833	2,755	2,678	2,601	
	2012 BR		241	232	223	214	205	196	187	178	169	160	151	0	0	0	0	0	0	0	0	0	0	0	0	0
	2013 BR		256	247	238	229	219	210	201	191	182	173	164	154	0	0	0	0	0	0	0	0	0	0	0	0
	2014 BR		272	263	253	244	234	225	215	206	196	187	177	168	158	0	0	0	0	0	0	0	0	0	0	0
	2015 BR		289	279	269	260	250	240	230	221	211	201	191	182	172	162	166	166	166	166	166	166	166	166	166	166
	2016 BR		306	296	286	276	266	256	246	236	226	216	206	196	186	176	166	166	166	166	166	166	166	166	166	166
	2017 BR		324	314	303	293	283	273	263	252	242	232	222	211	201	191	181	170	160	150	140	130	120	110	100	90
	2018 BR		343	332	322	311	301	290	280	269	259	248	238	227	217	206	196	185	175	165	155	145	135	125	115	105
	2019 BR		362	351	340	330	319	308	297	287	276	265	254	244	233	222	211	201	190	179	169	159	149	139	129	119
	2020 BR		382	371	360	349	338	327	316	305	294	283	272	261	250	239	228	217	206	195	183	173	163	153	143	133
	2021 BR		402	391	380	369	358	346	335	324	312	301	290	278	267	256	245	233	222	211	199	188	177	166	155	144
	2022 BR		424	413	401	390	378	367	355	343	332	320	308	297	285	274	262	251	239	228	216	204	193	182	171	160
	2023 BR		447	435	423	411	399	388	376	364	352	340	328	316	304	293	281	269	257	245	233	221	209	198	187	176
	2024 BR		470	458	446	434	422	409	397	385	373	361	349	336	324	312	300	288	276	263	251	239	227	215	203	192
	2025 BR		495	482	470	457	445	432	420	407	395	382	370	357	345	332	320	307	295	282	270	257	245	233	220	208
	2026 BR		531	507	494	481	469	456	443	430	417	405	392	379	366	353	341	328	315	302	290	277	264	251	238	225
	2027 BR		580	544	520	506	493	480	467	454	441	428	415	402	388	375	362	349	336	323	310	297	284	271	257	244
	2028 BR		632	595	568	553	539	526	513	500	487	474	461	448	435	422	409	396	383	370	357	344	331	318	304	291
	2029 BR		686	648	610	595	582	569	556	543	530	517	504	491	478	465	452	439	426	413	400	387	374	361	348	335
	2030 BR		742	703	664	649	636	623	610	597	584	571	558	545	532	519	506	493	480	467	454	441	428	415	402	389
	2031 BR		801	761	721	706	693	680	667	654	641	628	615	602	589	576	563	550	537	524	511	498	485	472	459	446
	2032 BR		862	821	780	765	752	739	726	713	700	687	674	661	648	635	622	609	596	583	570	557	544	531	518	505
	2033 BR		926	883	841	826	813	800	787	774	761	748	735	722	709	696	683	670	657	644	631	618	605	592	579	566
	2034 BR		997	949	905	889	874	859	844	829	814	800	785	770	755	740	725	710	695	680	665	650	635	620	605	590
	2035 BR		1,077	1,022	973	956	941	926	911	896	881	866	851	836	821	806	791	776	761	746	731	716	701	686	671	656
	2036 BR		1,166	1,104	1,048	1,031	1,016	1,001	986	971	956	941	926	911	896	881	866	851	836	821	806	791	776	761	746	731
	2037 BR		890	912	1,125	1,160	1,195	1,230	1,265	1,300	1,335	1,370	1,405	1,440	1,475	1,510	1,545	1,580	1,615	1,650	1,685	1,720	1,755	1,790	1,825	1,860
	2038 BR		935	955	1,189	1,228	1,267	1,306	1,345	1,384	1,423	1,462	1,501	1,540	1,579	1,618	1,657	1,696	1,735	1,774	1,813	1,852	1,891	1,930	1,969	2,008
	2039 BR		995	1,025	1,267	1,318	1,369	1,420	1,471	1,522	1,573	1,624	1,675	1,726	1,777	1,828	1,879	1,930	1,981	2,032	2,083	2,134	2,185	2,236	2,287	2,338
	2040 BR		959	1,287	1,218	1,156	1,094	1,032	970	908	846	784	722	660	598	536	474	412	350	288	226	164	102	40	0	0
	2041 GR		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2042 GR		44	41	39	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2043 GR		47	45	42	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2044 GR		51	48	46	43	41	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2045 GR		54	52	49	47	44	42	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2046 GR		58	56	53	51	48	45	43	40	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2047 GR		63	60	57	55	52	49	47	44	40	45	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2048 GR		67	64	61	59	56	53	50	48	45	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2049 GR		71	68	66	63	60	57	55	52	49	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	2050 GR		76	73	70	67	64	62	60	57	54	51	48	0	0	0	0	0	0	0	0	0	0	0	0	0
	2051 GR		81	78	75	72	69	66	63	60	57	54	51	48	0	0	0	0	0	0	0	0	0	0	0	0
	2052 GR		86	83	80	77	74	71	68	65	62	59	56	53	50	47	44	41	38	35	32	29	26	23	20	17
	2053 GR		91	88	85	82	79	76	73	70	67	64	61	58	55	52	49	46	43	40	37	34	31	28	25	22
	2054 GR		96	93	90	87	84	81	78	75	72	69	66	63	60	57	54	51	48	45	42	39	36	33	30	27
	2055 GR		102	99	96	92	89	86	83	80	77	74	71	68	65	62	59	56	53	50	47	44	41	38	35	32
	2056 GR		110	105	101	98	95	91	88	85	81	78	75	71	68	65	61	58	55	52	49	46	43	40	37	34
	2057 GR		121	113	107	104	100	97	94	90	87	83	80	77	73	70	66	63	60	56	53	50	47	44	41	38
	2058 GR		132	124	116	110	106	103	99	96	92	89	86	82	79	75	72	68	65	61	58	55	52	49	46	43
	2059 GR		144	135	127	119	113	109	105	102	98	95	91	88	84	81	77	73	70	66	63	59	56	53	50	47
	2060 GR		156	148	139	130	122	115	112	108	104	101	97	93	90	86	83	79	75	72	68	64	61	58	55	52
	2061 GR		169	160	151	142	133	125	118	115	111	107	103	100	96	92	88	85	81	77	73	70	66	62	59	56
	2062 GR		182	173																						

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
	2021 TY		81	78	74	71	68	65	62	59	55	52	0	0	0	0	0	0	0	0	0	0	0	0	0
	2022 TY		86	83	80	76	73	70	67	63	60	57	54	0	0	0	0	0	0	0	0	0	0	0	0
	2023 TY		92	88	85	82	78	75	72	68	65	62	58	55	0	0	0	0	0	0	0	0	0	0	0
	2024 TY		97	94	90	87	84	80	77	73	70	67	63	60	56	0	0	0	0	0	0	0	0	0	0
	2025 TY		103	100	96	93	89	86	82	79	75	72	68	65	61	58	0	0	0	0	0	0	0	0	0
	2026 TY		112	106	102	99	95	91	88	84	81	77	73	70	66	63	59	0	0	0	0	0	0	0	0
	2027 TY		123	114	108	105	101	97	94	90	86	83	79	75	72	68	64	61	0	0	0	0	0	0	0
	2028 TY		134	126	117	111	107	104	100	96	92	89	85	81	77	73	70	66	62	0	0	0	0	0	0
	2029 TY		146	138	129	120	114	110	106	102	98	95	91	87	83	79	75	71	68	64	0	0	0	0	0
	2030 TY		159	150	141	132	123	117	113	109	105	101	97	93	89	85	81	77	73	69	65	0	0	0	0
	2031 TY		172	163	154	145	135	126	120	116	112	107	103	99	95	91	87	83	79	75	71	67	0	0	0
	2032 TY		186	176	167	158	148	139	129	123	118	114	110	106	102	98	94	89	85	81	77	73	69	0	0
	2033 TY		200	190	181	171	161	152	142	133	126	121	117	113	109	104	100	96	92	87	83	79	75	70	0
	2034 TY		216	205	195	185	175	165	156	146	136	129	124	120	116	111	107	103	98	94	90	85	81	76	72
	2035 TY		234	221	210	200	190	180	170	160	149	139	132	128	123	119	114	110	105	101	96	92	87	83	78
	2036 TY		253	239	227	215	205	195	184	174	164	153	143	135	131	126	122	117	112	108	103	99	94	89	85
	2037 TY		178	259	245	233	221	210	199	189	178	168	157	146	139	134	129	125	120	115	111	106	101	96	92
	2038 TY		182	266	252	238	226	215	204	194	183	172	161	150	142	142	137	133	128	123	118	113	108	104	99
	2039 TY			187	273	258	244	232	221	210	198	187	176	165	154	146	141	136	131	126	121	116	111	106	101
	2040 TY				192	279	264	250	238	226	215	203	192	180	169	158	149	144	139	134	129	124	119	114	106

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
BR	BR1	101	0	0	0	0	0	441	454	590	616	785	787	789	1,035	1,054	1,357	1,337	1,319
BR	BR2	167	0	0	0	0	0	729	751	975	1,018	1,299	1,301	1,305	1,711	1,743	2,245	2,211	2,180
BR	BR3	416	0	0	0	0	0	1,816	1,870	2,430	2,536	3,235	3,242	3,252	4,261	4,342	5,591	5,508	5,431
CR	CR4	155	258	840	1,124	1,095	1,216	1,960	1,949	1,644	1,927	2,572	2,560	2,096	2,059	2,073	1,531	1,768	1,810
CR	CR5	168	279	910	1,219	1,187	1,318	2,124	2,112	1,782	2,089	2,788	2,774	2,272	2,232	2,247	1,659	1,916	1,962
CR	CR6	240	399	1,300	1,741	1,696	1,882	5,221	5,152	4,566	4,899	5,799	5,682	4,867	4,712	4,637	3,700	3,969	3,960
GH	GH1	475	0	0	0	0	0	5,620	5,988	6,566	7,371	8,085	8,761	9,219	9,707	10,790	12,508	14,281	15,439
GH	GH2	484	0	0	0	0	0	5,727	6,101	6,691	7,510	8,238	8,927	9,394	9,891	10,994	12,745	14,551	15,732
GH	GH3	480	0	0	0	0	0	5,680	6,051	6,635	7,448	8,170	8,854	9,316	9,809	10,904	12,640	14,431	15,602
GH	GH4	479	0	0	0	0	0	5,668	6,038	6,622	7,433	8,153	8,835	9,297	9,789	10,881	12,614	14,401	15,569
GR	GR3	68																	
GR	GR4	95																	
MC	MC1	303																	
MC	MC2	301																	
MC	MC3	391																	
MC	MC4	477																	
TC	TC1	383	0	0	0	0	0	1,965	2,066	2,172	2,216	2,260	2,305	2,351	2,398	2,446	2,495	2,545	2,596
TC	TC2	549	0	0	0	0	0	2,817	2,961	3,114	3,176	3,240	3,304	3,371	3,438	3,507	3,577	3,648	3,721
TY	TY3	71																	
	BR Landfill Phase 2 Savings		0	0	0	0	0	0	0	828	908	1,960	1,870	1,782	1,697	1,613	1,531	1,451	1,372
	BR Landfill Phase 3 Savings		0	0	0	0	0	0	0	0	0	0	0	0	1,638	1,745	3,767	3,594	3,426
	BR Landfill O&M Savings		0	0	0	0	0	2,985	3,075	3,167	3,262	3,360	3,461	3,564	3,671	3,781	3,895	4,012	4,132
	CR Landfill Capital Savings		936	3,049	4,083	3,979	4,416	4,938	4,772	3,579	4,464	6,617	6,353	4,493	4,170	4,023	1,844	2,496	2,513
	CR Landfill O&M Savings		0	0	0	0	0	2,181	2,307	2,393	2,537	2,726	2,944	3,121	3,308	3,507	3,717	3,925	4,061
	CR6 Stator Rewind Savings		0	0	0	0	0	2,187	2,135	2,020	1,914	1,816	1,719	1,621	1,524	1,427	1,329	1,232	1,158
	GH Landfill Capital Savings		0	0	0	0	0	61	188	1,083	2,805	4,044	4,399	4,388	4,387	6,672	11,397	16,206	18,397
	GH Landfill O&M Savings		0	0	0	0	0	22,633	23,991	25,431	26,957	28,601	30,979	32,838	34,808	36,897	39,110	41,457	43,944
	TC Landfill Capital Savings		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
	TC Landfill O&M Savings		0	0	0	0	0	4,782	5,027	5,286	5,392	5,500	5,610	5,722	5,836	5,953	6,072	6,194	6,318

Station	Unit	Capacity	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
BR	BR1	101	1,301	1,285	1,267	1,122	410	385	360	331	54	46	38	30	23
BR	BR2	167	2,151	2,124	2,095	1,855	678	636	595	547	89	76	63	50	39
BR	BR3	416	5,359	5,291	5,219	4,620	1,688	1,585	1,482	1,363	222	189	157	124	97
CR	CR4	155	1,869	1,932	2,000	1,861	1,810	1,778	1,748	1,719	1,692	1,708	1,727	1,747	1,771
CR	CR5	168	2,025	2,094	2,168	2,017	1,962	1,927	1,895	1,864	1,834	1,851	1,872	1,894	1,919
CR	CR6	240	4,000	4,047	4,101	3,833	3,704	3,602	2,777	2,662	2,620	2,645	2,674	2,705	2,742
GH	GH1	475	15,604	16,273	16,860	17,332	17,856	18,548	19,372	20,254	21,186	21,692	2,492	1,854	1,700
GH	GH2	484	15,900	16,581	17,180	17,660	18,195	18,899	19,739	20,637	21,587	22,103	2,539	1,889	1,733
GH	GH3	480	15,769	16,444	17,038	17,514	18,044	18,743	19,576	20,467	21,409	21,921	2,518	1,874	1,718
GH	GH4	479	15,736	16,410	17,002	17,478	18,007	18,704	19,535	20,424	21,364	21,875	2,513	1,870	1,715
GR	GR3	68													
GR	GR4	95													
MC	MC1	303													
MC	MC2	301													
MC	MC3	391													
MC	MC4	477													
TC	TC1	383	2,648	5,363	8,239	8,294	12,354	12,003	11,666	11,343	11,031	10,731	10,442	10,162	9,886
TC	TC2	549	3,796	7,687	11,809	11,888	17,709	17,206	16,723	16,259	15,812	15,382	14,967	14,567	14,170
TY	TY3	71													
	BR Landfill Phase 2 Savings		1,294	1,215	1,123	156	138	120	101	83	64	46	28	9	0
	BR Landfill Phase 3 Savings		3,261	3,101	2,943	2,789	2,638	2,487	2,336	2,158	301	265	230	194	159
	BR Landfill O&M Savings		4,256	4,384	4,515	4,651									
	CR Landfill Capital Savings		2,483	2,455	2,429	1,631	1,345	1,123	908	695	485	430	384	338	303
	CR Landfill O&M Savings		4,305	4,563	4,837	5,128	5,230	5,335	5,441	5,550	5,661	5,774	5,890	6,008	6,128
	CR6 Stator Rewind Savings		1,106	1,055	1,004	952	901	850	70	0	0	0	0	0	0
	GH Landfill Capital Savings		18,341	18,358	17,892	16,784	15,709	15,118	14,860	14,617	14,352	12,126	9,906	7,329	6,705
	GH Landfill O&M Savings		44,668	47,348	50,189	53,201	56,393	59,776	63,363	67,165	71,194	75,466	155	158	161
	TC Landfill Capital Savings		0	6,478	13,344	13,344	23,088	22,094	21,132	20,199	19,293	18,412	17,554	16,717	15,883
	TC Landfill O&M Savings		6,444	6,573	6,704	6,838	6,975	7,115	7,257	7,402	7,550	7,701	7,855	8,012	8,172

Station	Unit	Capacity	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	
BR	BRL	101	0	0	0	553	743	703	668	635	606	577	548	519	491	462	433	413	403	393	382	372	361	351	340	330	320	309	
BR	BR2	167	0	0	0	2,279	3,060	2,897	2,749	2,616	2,496	2,377	2,258	2,140	2,021	1,902	1,784	1,703	1,660	1,617	1,574	1,531	1,488	1,445	1,402	1,359	1,316	1,273	
BR	BR3	416	0	0	0	980	1,582	1,494	1,413	1,339	1,269	1,201	1,132	1,064	996	927	859	806	770	735	699	663	627	591	0	0	0	0	0
CR	CR4	155	0	0	0	1,062	1,715	1,619	1,532	1,451	1,376	1,302	1,227	1,153	1,079	1,005	931	874	835	796	757	718	679	640	0	0	0	0	0
CR	CR5	168	0	0	0	1,518	2,449	2,313	2,188	2,073	1,966	1,860	1,754	1,647	1,541	1,435	1,329	1,249	1,193	1,137	1,082	1,026	970	915	0	0	0	0	0
CR	CR6	240	0	0	0	1,462	1,954	1,856	1,767	1,686	1,611	1,540	1,468	1,397	1,325	1,254	1,183	1,111	1,062	1,005	1,028	982	935	892	850	808	766	724	682
GH	GH1	475	0	0	0	1,489	1,991	1,891	1,800	1,718	1,642	1,569	1,496	1,423	1,350	1,278	1,205	1,132	1,082	1,025	1,028	1,000	973	946	918	891	864	837	810
GH	GH2	484	0	0	0	1,477	1,975	1,876	1,786	1,703	1,628	1,556	1,484	1,411	1,339	1,267	1,195	1,122	1,071	1,014	1,017	990	963	936	909	882	855	828	801
GH	GH3	480	0	0	0	1,474	1,971	1,872	1,782	1,700	1,625	1,553	1,481	1,409	1,337	1,265	1,193	1,121	1,071	1,014	1,017	990	963	936	909	882	855	828	801
GH	GH4	479	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	295
GR	GR3	68	0	0	0	819	1,169	1,106	1,049	996	948	901	854	807	759	712	665	631	611	591	571	551	531	511	491	471	451	431	411
GR	GR4	95	0	0	0	1,215	1,774	1,682	1,598	1,511	1,440	1,371	1,302	1,234	1,165	1,096	1,027	959	908	877	845	813	781	749	717	686	654	622	590
MC	MC1	303	0	0	0	1,907	2,762	2,631	2,506	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	936
MC	MC2	301	0	0	0	1,568	2,289	2,171	2,063	1,963	1,870	1,781	1,692	1,602	1,513	1,424	1,335	1,245	1,180	1,139	1,097	1,056	1,015	973	932	891	849	808	766
MC	MC3	391	0	0	0	1,913	2,792	2,648	2,516	2,394	2,281	2,172	2,064	1,955	1,846	1,737	1,628	1,519	1,440	1,389	1,339	1,288	1,238	1,187	1,137	1,086	1,036	986	936
MC	MC4	477	0	0	0	770	1,008	958	912	871	833	797	760	724	688	652	616	579	555	542	529	517	504	491	479	466	453	441	428
TC	TC1	383	0	0	0	1,104	1,445	1,373	1,307	1,248	1,194	1,142	1,090	1,038	986	934	882	830	785	777	759	741	723	704	686	668	650	632	614
TC	TC2	549	0	0	0	586	837	792	751	713	679	645	611	577	544	510	476	452	438	423	409	395	380	366	352	337	323	309	295
TY	TY3	71	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER			0	0	0	3,747	5,032	4,763	4,521	4,302	4,104	3,908	3,713	3,518	3,323	3,128	2,933	2,800	2,729	2,659	2,588	2,517	2,447	2,376	2,305	2,235	2,164	2,094	
CINWATER			0	0	0	3,560	5,746	5,427	5,134	4,863	4,611	4,362	4,113	3,865	3,616	3,367	3,118	2,929	2,798	2,668	2,537	2,407	2,277	2,146	0	0	0	0	0
MCWATER			0	0	0	5,802	8,617	8,173	7,765	7,389	7,040	6,704	6,368	6,032	5,696	5,361	5,025	4,689	4,443	4,287	4,131	3,976	3,820	3,664	3,508	3,353	3,197	3,041	
TCWATER			0	0	0	1,874	2,453	2,331	2,220	2,119	2,026	1,938	1,850	1,762	1,674	1,586	1,498	1,410	1,350	1,319	1,288	1,258	1,227	1,196	1,165	1,134	1,103	1,072	
GRWATER			0	0	0	5,902	7,892	7,495	7,135	6,805	6,505	6,217	5,928	5,640	5,352	5,063	4,775	4,487	4,288	4,180	4,072	3,964	3,856	3,748	3,640	3,531	3,423	3,315	
GHWATER			0	0	0	1,405	2,006	1,898	1,799	1,709	1,627	1,546	1,465	1,384	1,303	1,222	1,141	1,063	1,049	1,015	980	946	912	877	843	809	774	740	
MCICOLD			0	0	0	0	0	0	1,780	2,599	2,465	2,342	2,228	2,113	2,002	1,921	1,819	1,718	1,617	1,515	1,414	1,340	1,266	1,192	1,118	1,044	970	896	822

Station	Unit	Capacity	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059
BR	BR1	101	299	288	278	267	257	247	236	226	215	205	194	184	174	0	0	0	0	0	0	0	0	0	0
BR	BR2	167	454	477	459	442	425	408	390	373	356	339	321	304	287	0	0	0	0	0	0	0	0	0	0
BR	BR3	416	1,230	1,187	1,144	1,101	1,058	1,016	973	930	887	844	801	758	715	0	0	0	0	0	0	0	0	0	0
CR	CR4	155	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR5	166	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
CR	CR6	240	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GH	GH1	475	794	767	741	714	687	660	634	607	580	553	526	500	473	446	0	0	0	0	0	0	0	0	0
GH	GH2	484	809	782	755	727	700	673	646	618	591	564	536	509	482	454	0	0	0	0	0	0	0	0	0
GH	GH3	480	803	776	748	721	694	667	640	613	586	559	532	505	478	451	0	0	0	0	0	0	0	0	0
GH	GH4	479	801	774	747	720	693	666	639	612	585	558	531	504	477	450	0	0	0	0	0	0	0	0	0
GR	GR3	68	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
GR	GR4	55	411	391	371	351	331	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC1	303	1,605	1,526	1,447	1,368	1,289	1,210	1,131	1,052	973	894	815	736	657	578	499	420	341	262	183	104	25	0	0
MC	MC2	301	590	558	526	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC3	391	766	725	684	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MC	MC4	477	935	885	834	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TC	TCL	383	428	415	403	390	377	364	352	339	326	314	301	288	276	263	250	237	225	212	200	187	175	162	150
TC	TC2	549	613	595	577	559	541	522	504	486	468	450	431	413	395	377	359	340	322	304	286	268	250	232	214
TY	TY3	71	294	280	266	251	237	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
BRWATER			2,023	1,952	1,882	1,811	1,740	1,670	1,599	1,529	1,458	1,387	1,317	1,246	1,175	0	0	0	0	0	0	0	0	0	0
CRWATER			0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCWATER			2,886	2,730	2,574	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TCWATER			1,041	1,010	979	949	918	887	856	825	794	763	732	701	670	640	609	578	547	516	485	454	423	392	361
GRWATER			3,207	3,099	2,991	2,883	2,774	2,666	2,558	2,450	2,342	2,234	2,125	2,017	1,909	1,801	0	0	0	0	0	0	0	0	0
GRWATER			706	671	637	603	568	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MCICOOOL			1,011	964	917	870	823	776	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0