

Annuity Tail SCC Portfolios

Portfolio: 1 - Preferred Plan (SCC), Annuity Tail										<u>Emissions</u>								
Year	Capital +					Cost of												
	Other		O&M		TOTAL	Cost of		Methane										
	Costs	Fuel Costs	Costs	Costs	PVRR	CO2 Tons	Tons	Tons	PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Native Load
	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(MMBtu)	Curtailement (GW/h)	Energy (GW/h)					Forecast	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,404	2,132	6,601	6,041	3,180	0.06	405	39,888,421	558	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,778	1,961	6,487	6,018	3,241	0.06	400	36,693,938	763	34,410	
2025	\$ 866	\$ 435	\$ 775	\$ 2,075	\$ 1,208	\$ 6	\$ 3,289	14,538,348	2,508	6,395	5,562	3,289	0.05	394	46,931,757	624	35,028	
2026	\$ 955	\$ 352	\$ 819	\$ 2,126	\$ 647	\$ 6	\$ 2,780	7,519,903	2,500	2,486	2,264	2,780	0.02	318	46,784,820	3,699	34,760	
2027	\$ 1,028	\$ 255	\$ 1,205	\$ 2,488	\$ 487	\$ 3	\$ 2,978	5,460,959	1,337	3,696	1,988	2,978	0.02	648	25,026,858	5,404	35,507	
2028	\$ 1,052	\$ 221	\$ 1,260	\$ 2,533	\$ 426	\$ 3	\$ 2,962	4,611,530	1,282	5,501	1,713	2,962	0.01	1,124	23,984,711	6,688	36,409	
2029	\$ 1,118	\$ 218	\$ 1,259	\$ 2,595	\$ 293	\$ 4	\$ 2,892	3,062,829	1,480	6,125	913	2,892	0.01	1,253	27,688,180	6,477	37,260	
2030	\$ 1,154	\$ 230	\$ 1,206	\$ 2,590	\$ 319	\$ 4	\$ 2,914	3,223,262	1,613	7,789	1,021	2,914	0.01	1,681	30,177,183	6,058	38,334	
2031	\$ 1,298	\$ 198	\$ 1,141	\$ 2,637	\$ 178	\$ 4	\$ 2,820	1,741,802	1,509	5,365	339	2,820	-	1,042	28,229,140	7,492	39,475	
2032	\$ 1,309	\$ 212	\$ 1,086	\$ 2,608	\$ 201	\$ 5	\$ 2,814	1,896,963	1,657	6,988	485	2,814	-	1,739	31,000,294	6,998	40,880	
2033	\$ 1,370	\$ 204	\$ 1,048	\$ 2,623	\$ 190	\$ 5	\$ 2,817	1,726,694	1,512	6,522	449	2,817	-	1,461	28,293,604	8,604	42,045	
2034	\$ 1,450	\$ 203	\$ 1,008	\$ 2,660	\$ 190	\$ 5	\$ 2,855	1,675,084	1,451	4,564	318	2,855	-	1,047	27,146,873	8,847	43,121	
2035	\$ 1,507	\$ 205	\$ 1,013	\$ 2,725	\$ 193	\$ 5	\$ 2,922	1,637,646	1,427	6,372	427	2,922	-	1,460	26,696,403	9,152	44,105	
2036	\$ 1,500	\$ 213	\$ 1,170	\$ 2,883	\$ 208	\$ 5	\$ 3,097	1,710,843	1,466	6,580	469	3,097	-	1,454	27,432,615	8,507	45,106	
2037	\$ 1,763	\$ 147	\$ 1,451	\$ 3,361	\$ 106	\$ 3	\$ 3,470	840,717	771	3,063	225	3,470	-	667	14,419,772	20,278	46,080	
2038	\$ 1,737	\$ 163	\$ 1,529	\$ 3,428	\$ 129	\$ 3	\$ 3,561	995,274	891	3,512	264	3,561	-	802	16,665,245	18,329	47,142	
2039	\$ 1,762	\$ 181	\$ 1,536	\$ 3,479	\$ 156	\$ 4	\$ 3,639	1,158,272	1,025	5,955	402	3,639	-	1,301	19,188,954	17,659	48,169	
2040	\$ 1,813	\$ 180	\$ 1,513	\$ 3,506	\$ 168	\$ 4	\$ 3,679	1,210,599	1,005	6,921	487	3,679	-	1,526	18,808,161	15,952	49,134	
2041	\$ 1,911	\$ 200	\$ 1,470	\$ 3,581	\$ 156	\$ 3	\$ 3,741	1,088,632	758	4,699	314	3,741	-	1,074	15,752,288	14,731	49,982	
2042	\$ 2,151	\$ 220	\$ 1,337	\$ 3,707	\$ 145	\$ 3	\$ 3,854	974,752	573	3,016	210	3,854	-	660	13,402,776	13,507	50,856	
2043	\$ 2,207	\$ 234	\$ 1,316	\$ 3,756	\$ 125	\$ 2	\$ 3,883	814,706	412	2,801	211	3,883	-	700	11,024,214	13,956	50,342	
2044	\$ 2,258	\$ 297	\$ 1,249	\$ 3,804	\$ 132	\$ 2	\$ 3,938	833,799	366	3,995	279	3,938	-	965	11,405,349	11,950	51,177	
2045	\$ 2,324	\$ 365	\$ 1,224	\$ 3,912	\$ 130	\$ 2	\$ 4,044	794,925	294	5,987	396	4,044	-	1,413	10,993,939	10,667	51,941	
2046	\$ 2,401	\$ 461	\$ 1,149	\$ 4,011	\$ 128	\$ 1	\$ 4,140	757,910	226	7,825	489	4,140	-	1,724	10,568,200	8,051	52,777	
2047	\$ 2,496	\$ 507	\$ 1,135	\$ 4,138	\$ 102	\$ 1	\$ 4,240	584,786	130	9,965	607	4,240	-	2,144	8,111,475	7,399	53,637	
2048	\$ 2,541	\$ 599	\$ 1,128	\$ 4,268	\$ 78	\$ 0	\$ 4,346	433,604	65	11,601	714	4,346	-	2,587	6,040,753	6,755	54,542	
2049	\$ 2,657	\$ 668	\$ 1,122	\$ 4,447	\$ 42	\$ 0	\$ 4,489	227,050	17	9,139	579	4,489	-	2,127	3,188,597	6,330	55,268	
2050	\$ 3,013	\$ 677	\$ 1,042	\$ 4,732	\$ -	\$ -	\$ 4,732	-	-	15,030	934	4,732	-	3,488	0	5,873	56,532	
2051	\$ 3,013	\$ 677	\$ 1,042	\$ 4,732	\$ -	\$ -	\$ 4,732	-	-	15,030	934	4,732	-	3,488	0	5,873	56,532	
2052	\$ 3,013	\$ 677	\$ 1,042	\$ 4,732	\$ -	\$ -	\$ 4,732	-	-	15,030	934	4,732	-	3,488	0	5,873	56,532	
2053	\$ 3,013	\$ 677	\$ 1,042	\$ 4,732	\$ -	\$ -	\$ 4,732	-	-	15,030	934	4,732	-	3,488	0	5,873	56,532	
2054	\$ 3,013	\$ 677	\$ 1,042	\$ 4,732	\$ -	\$ -	\$ 4,732	-	-	15,030	934	4,732	-	3,488	0	5,873	56,532	
2055	\$ 3,013	\$ 677	\$ 1,042	\$ 4,732	\$ -	\$ -	\$ 4,732	-	-	15,030	934	4,732	-	3,488	0	5,873	56,532	
			A	B	C	A + B + C												
NPV (\$M)	\$ 21,497	\$ 4,644	\$ 15,925	\$ 42,066	\$ 6,121	\$ 53	\$ 48,241	68,851,013	14,812	45,080	25,519	0.23	6,223	<< 2023-2030 sum				
2023-2055								89,955,069	30,364	250,131	38,786	0.23	53,046	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Sale, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 2 - Inverse 1324 Plan (SCC), Annuity Tail										Emissions						Native Load		
Year	Capital +			TOTAL PVRR	Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailement (GWh)			
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,404	2,132	6,601	6,041	0.06	405	39,888,421	558	33,906		
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,778	1,961	6,487	6,018	0.06	400	36,693,938	763	34,410		
2025	\$ 866	\$ 435	\$ 775	\$ 2,075	\$ 1,208	\$ 6	\$ 3,289	14,538,421	2,508	6,395	5,562	0.05	394	46,931,749	624	35,028		
2026	\$ 955	\$ 352	\$ 819	\$ 2,126	\$ 647	\$ 6	\$ 2,780	7,519,885	2,500	2,486	2,264	0.02	318	46,784,586	3,700	34,760		
2027	\$ 1,028	\$ 255	\$ 1,198	\$ 2,480	\$ 487	\$ 3	\$ 2,971	5,461,734	1,338	3,934	1,988	0.02	600	25,037,095	5,406	35,507		
2028	\$ 1,026	\$ 228	\$ 1,238	\$ 2,492	\$ 445	\$ 3	\$ 2,941	4,822,546	1,337	5,670	1,752	0.01	1,153	25,021,637	5,883	36,409		
2029	\$ 1,099	\$ 226	\$ 1,224	\$ 2,549	\$ 304	\$ 4	\$ 2,856	3,175,188	1,566	6,283	906	0.01	1,445	29,304,496	5,795	37,260		
2030	\$ 1,135	\$ 238	\$ 1,173	\$ 2,546	\$ 331	\$ 5	\$ 2,882	3,347,902	1,711	8,039	1,013	0.01	1,831	32,013,764	5,411	38,334		
2031	\$ 1,280	\$ 206	\$ 1,108	\$ 2,594	\$ 191	\$ 5	\$ 2,790	1,866,838	1,607	5,435	330	-	1,227	30,072,778	6,858	39,475		
2032	\$ 1,290	\$ 222	\$ 1,054	\$ 2,566	\$ 216	\$ 5	\$ 2,787	2,033,131	1,767	7,131	449	-	1,720	33,070,734	6,386	40,880		
2033	\$ 1,352	\$ 213	\$ 1,016	\$ 2,582	\$ 203	\$ 5	\$ 2,790	1,851,692	1,611	6,848	437	-	1,565	30,150,438	7,946	42,045		
2034	\$ 1,431	\$ 211	\$ 977	\$ 2,619	\$ 204	\$ 5	\$ 2,828	1,792,795	1,544	4,971	302	-	1,137	28,893,501	8,159	43,121		
2035	\$ 1,489	\$ 214	\$ 983	\$ 2,686	\$ 206	\$ 5	\$ 2,897	1,752,711	1,518	7,063	433	-	1,628	28,398,947	8,463	44,105		
2036	\$ 1,483	\$ 222	\$ 1,140	\$ 2,845	\$ 223	\$ 6	\$ 3,074	1,834,855	1,561	7,420	463	-	1,507	29,202,605	7,884	45,106		
2037	\$ 1,745	\$ 152	\$ 1,417	\$ 3,314	\$ 113	\$ 3	\$ 3,431	900,480	818	3,495	207	-	719	15,307,878	19,451	46,080		
2038	\$ 1,718	\$ 169	\$ 1,493	\$ 3,380	\$ 139	\$ 4	\$ 3,522	1,068,040	948	3,957	251	-	899	17,748,633	17,531	47,142		
2039	\$ 1,743	\$ 188	\$ 1,498	\$ 3,429	\$ 166	\$ 4	\$ 3,600	1,235,605	1,085	6,240	389	-	1,354	20,312,497	16,854	48,169		
2040	\$ 1,795	\$ 188	\$ 1,474	\$ 3,457	\$ 180	\$ 5	\$ 3,642	1,294,216	1,071	7,046	482	-	1,677	20,034,932	15,216	49,134		
2041	\$ 1,893	\$ 210	\$ 1,432	\$ 3,536	\$ 168	\$ 4	\$ 3,708	1,170,176	816	4,783	289	-	1,167	16,971,195	14,003	49,982		
2042	\$ 2,134	\$ 232	\$ 1,300	\$ 3,666	\$ 156	\$ 3	\$ 3,825	1,052,322	621	3,154	187	-	755	14,520,401	12,835	50,856		
2043	\$ 2,190	\$ 248	\$ 1,279	\$ 3,717	\$ 135	\$ 2	\$ 3,854	880,687	448	3,360	192	-	749	11,988,424	13,260	50,342		
2044	\$ 2,242	\$ 316	\$ 1,213	\$ 3,771	\$ 142	\$ 2	\$ 3,915	898,235	396	4,573	269	-	1,069	12,350,762	11,293	51,177		
2045	\$ 2,308	\$ 388	\$ 1,187	\$ 3,883	\$ 139	\$ 2	\$ 4,024	852,760	316	6,425	371	-	1,433	11,833,285	10,054	51,941		
2046	\$ 2,387	\$ 492	\$ 1,112	\$ 3,991	\$ 137	\$ 1	\$ 4,130	813,935	243	7,885	460	-	1,796	11,385,251	7,520	52,777		
2047	\$ 2,483	\$ 543	\$ 1,099	\$ 4,125	\$ 109	\$ 1	\$ 4,235	628,473	141	10,086	612	-	2,445	8,768,841	6,861	53,637		
2048	\$ 2,530	\$ 642	\$ 1,092	\$ 4,263	\$ 84	\$ 0	\$ 4,347	465,717	70	12,431	732	-	2,843	6,532,272	6,239	54,542		
2049	\$ 2,643	\$ 717	\$ 1,086	\$ 4,445	\$ 45	\$ 0	\$ 4,491	243,599	18	10,600	619	-	2,405	3,444,620	5,837	55,268		
2050	\$ 3,026	\$ 725	\$ 1,006	\$ 4,757	\$ -	\$ -	\$ 4,757	-	-	16,346	964	-	3,726	0	5,404	56,532		
2051	\$ 3,026	\$ 725	\$ 1,006	\$ 4,757	\$ -	\$ -	\$ 4,757	-	-	16,346	964	-	3,726	0	5,404	56,532		
2052	\$ 3,026	\$ 725	\$ 1,006	\$ 4,757	\$ -	\$ -	\$ 4,757	-	-	16,346	964	-	3,726	0	5,404	56,532		
2053	\$ 3,026	\$ 725	\$ 1,006	\$ 4,757	\$ -	\$ -	\$ 4,757	-	-	16,346	964	-	3,726	0	5,404	56,532		
2054	\$ 3,026	\$ 725	\$ 1,006	\$ 4,757	\$ -	\$ -	\$ 4,757	-	-	16,346	964	-	3,726	0	5,404	56,532		
2055	\$ 3,026	\$ 725	\$ 1,006	\$ 4,757	\$ -	\$ -	\$ 4,757	-	-	16,346	964	-	3,726	0	5,404	56,532		
			A	B	C	A + B + C												
NPV (\$M)	\$ 21,345	\$ 4,798	\$ 15,585	\$ 41,728	\$ 6,230	\$ 55	\$ 48,014	69,299,858	15,052	45,895	25,543	0.23	6,545	<< 2023-2030 sum				
2023-2055								91,936,124	31,652	266,874	38,799	0.23	56,996	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 4 - 40% Ownership Test Plan (SCC), Annuity Tail										Emissions						Native Load		
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Emissions					Native Load Forecast			
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 (\$M)	Methane Tons (\$M)	TOTAL (\$M)			Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GWh)	Energy (GWh)	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,145	2,132	6,601	6,041	0.06	405	39,888,431	556	33,906		
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,367	1,961	6,487	6,018	0.06	400	36,693,920	763	34,410		
2025	\$ 866	\$ 435	\$ 775	\$ 2,075	\$ 1,208	\$ 6	\$ 3,289	14,538,326	2,508	6,395	5,562	0.05	394	46,931,527	624	35,028		
2026	\$ 946	\$ 341	\$ 772	\$ 2,058	\$ 632	\$ 5	\$ 2,696	7,344,589	2,346	2,440	2,240	0.02	310	43,902,678	3,673	34,760		
2027	\$ 1,005	\$ 250	\$ 1,178	\$ 2,433	\$ 482	\$ 3	\$ 2,918	5,408,830	1,278	2,523	1,900	0.02	278	23,914,107	5,163	35,507		
2028	\$ 1,014	\$ 222	\$ 1,267	\$ 2,504	\$ 439	\$ 3	\$ 2,946	4,758,494	1,270	3,848	1,595	0.01	435	23,760,268	5,595	36,409		
2029	\$ 1,092	\$ 218	\$ 1,249	\$ 2,560	\$ 295	\$ 4	\$ 2,859	3,086,637	1,482	5,558	757	0.01	652	27,724,641	5,640	37,260		
2030	\$ 1,129	\$ 231	\$ 1,194	\$ 2,554	\$ 322	\$ 4	\$ 2,880	3,250,737	1,619	6,618	795	0.01	768	30,288,201	5,230	38,334		
2031	\$ 1,274	\$ 201	\$ 1,128	\$ 2,602	\$ 185	\$ 4	\$ 2,791	1,803,645	1,549	5,783	246	-	662	28,988,397	6,753	39,475		
2032	\$ 1,285	\$ 216	\$ 1,071	\$ 2,572	\$ 209	\$ 5	\$ 2,786	1,970,011	1,704	7,316	320	-	831	31,894,143	6,285	40,880		
2033	\$ 1,346	\$ 208	\$ 1,031	\$ 2,585	\$ 197	\$ 5	\$ 2,788	1,795,261	1,560	6,557	287	-	744	29,192,885	7,856	42,045		
2034	\$ 1,426	\$ 207	\$ 991	\$ 2,623	\$ 198	\$ 5	\$ 2,826	1,741,974	1,498	3,286	140	-	400	28,036,705	8,098	43,121		
2035	\$ 1,483	\$ 208	\$ 1,000	\$ 2,691	\$ 199	\$ 5	\$ 2,896	1,696,798	1,460	7,213	314	-	807	27,313,660	8,385	44,105		
2036	\$ 1,477	\$ 217	\$ 1,171	\$ 2,865	\$ 217	\$ 5	\$ 3,088	1,782,040	1,509	7,109	335	-	798	28,234,618	7,778	45,106		
2037	\$ 1,735	\$ 148	\$ 1,458	\$ 3,341	\$ 108	\$ 3	\$ 3,452	857,627	775	3,327	145	-	370	14,507,979	19,291	46,080		
2038	\$ 1,707	\$ 165	\$ 1,537	\$ 3,409	\$ 133	\$ 4	\$ 3,545	1,020,407	908	4,079	185	-	454	17,000,087	17,429	47,142		
2039	\$ 1,732	\$ 183	\$ 1,542	\$ 3,457	\$ 159	\$ 4	\$ 3,621	1,186,026	1,041	6,302	279	-	692	19,487,068	16,783	48,169		
2040	\$ 1,783	\$ 183	\$ 1,517	\$ 3,482	\$ 173	\$ 4	\$ 3,659	1,244,190	1,026	7,990	370	-	880	19,199,926	15,124	49,134		
2041	\$ 1,887	\$ 203	\$ 1,476	\$ 3,566	\$ 162	\$ 3	\$ 3,731	1,126,124	776	5,604	239	-	630	16,125,510	13,900	49,982		
2042	\$ 2,128	\$ 226	\$ 1,346	\$ 3,700	\$ 151	\$ 3	\$ 3,854	1,019,854	597	2,877	123	-	350	13,954,810	12,763	50,856		
2043	\$ 2,184	\$ 241	\$ 1,326	\$ 3,750	\$ 130	\$ 2	\$ 3,883	851,563	429	3,209	137	-	381	11,475,941	13,174	50,342		
2044	\$ 2,235	\$ 308	\$ 1,263	\$ 3,806	\$ 138	\$ 2	\$ 3,946	873,499	382	5,106	218	-	589	11,928,251	11,211	51,177		
2045	\$ 2,301	\$ 377	\$ 1,234	\$ 3,912	\$ 136	\$ 2	\$ 4,050	830,724	306	6,886	294	-	783	11,458,629	9,962	51,941		
2046	\$ 2,378	\$ 481	\$ 1,146	\$ 4,004	\$ 134	\$ 1	\$ 4,140	796,360	237	9,422	403	-	1,061	11,086,831	7,437	52,777		
2047	\$ 2,472	\$ 532	\$ 1,119	\$ 4,123	\$ 107	\$ 1	\$ 4,231	615,841	137	11,630	497	-	1,293	8,558,147	6,779	53,637		
2048	\$ 2,522	\$ 631	\$ 1,109	\$ 4,261	\$ 82	\$ 0	\$ 4,344	458,223	68	12,896	551	-	1,436	6,403,849	6,160	54,542		
2049	\$ 2,635	\$ 704	\$ 1,103	\$ 4,441	\$ 44	\$ 0	\$ 4,486	239,504	18	10,301	440	-	1,172	3,374,532	5,761	55,268		
2050	\$ 2,980	\$ 715	\$ 1,023	\$ 4,718	\$ -	\$ -	\$ 4,718	-	-	19,897	849	-	2,165	0	5,344	56,532		
2051	\$ 2,980	\$ 715	\$ 1,023	\$ 4,718	\$ -	\$ -	\$ 4,718	-	-	19,897	849	-	2,165	0	5,344	56,532		
2052	\$ 2,980	\$ 715	\$ 1,023	\$ 4,718	\$ -	\$ -	\$ 4,718	-	-	19,897	849	-	2,165	0	5,344	56,532		
2053	\$ 2,980	\$ 715	\$ 1,023	\$ 4,718	\$ -	\$ -	\$ 4,718	-	-	19,897	849	-	2,165	0	5,344	56,532		
2054	\$ 2,980	\$ 715	\$ 1,023	\$ 4,718	\$ -	\$ -	\$ 4,718	-	-	19,897	849	-	2,165	0	5,344	56,532		
2055	\$ 2,980	\$ 715	\$ 1,023	\$ 4,718	\$ -	\$ -	\$ 4,718	-	-	19,897	849	-	2,165	0	5,344	56,532		
				A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 21,205	\$ 4,717	\$ 15,810	\$ 41,732	\$ 6,160	\$ 54	\$ 47,945	68,822,125	14,594	40,470	24,909	0.23	3,642	<< 2023-2030 sum				
								90,731,793	30,576	286,742	35,528	0.23	30,962	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 1 - Preferred Plan (SCC) - with Prospective New Load, Annuity Tail										Emissions					Native Load		
Year	Capital +			Cost of			Methane Tons	TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Forecast
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 (\$M)	Cost of Tons (\$M)									Burn (MMBtu)	Curtailement (GW/h)	Energy (GWh)
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,854	2,132	6,601	6,041	0.06	405	39,888,413	558	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,068	1,961	6,487	6,018	0.06	400	36,693,951	763	34,410	
2025	\$ 871	\$ 434	\$ 775	\$ 2,080	\$ 1,208	\$ 6	\$ 3,293	14,536,021	2,504	6,394	5,556	0.05	394	46,860,388	623	35,028	
2026	\$ 968	\$ 363	\$ 774	\$ 2,105	\$ 666	\$ 6	\$ 2,777	7,739,538	2,625	2,559	2,347	0.02	328	49,116,031	3,478	35,826	
2027	\$ 1,060	\$ 268	\$ 1,194	\$ 2,523	\$ 514	\$ 4	\$ 3,040	5,760,491	1,489	2,542	1,955	0.02	352	27,855,905	4,435	37,056	
2028	\$ 1,073	\$ 232	\$ 1,254	\$ 2,559	\$ 459	\$ 4	\$ 3,021	4,972,362	1,378	2,511	1,596	0.01	388	25,788,914	4,636	37,959	
2029	\$ 1,156	\$ 226	\$ 1,348	\$ 2,730	\$ 308	\$ 4	\$ 3,042	3,226,327	1,577	3,649	752	0.01	767	29,511,563	4,882	38,810	
2030	\$ 1,192	\$ 240	\$ 1,289	\$ 2,720	\$ 337	\$ 5	\$ 3,062	3,401,703	1,730	4,557	798	0.01	978	32,370,663	4,466	39,883	
2031	\$ 1,337	\$ 210	\$ 1,220	\$ 2,767	\$ 200	\$ 5	\$ 2,972	1,955,694	1,664	3,814	256	-	848	31,143,730	5,994	41,025	
2032	\$ 1,347	\$ 228	\$ 1,161	\$ 2,736	\$ 227	\$ 6	\$ 2,969	2,142,393	1,843	4,700	337	-	1,148	34,491,806	5,573	42,430	
2033	\$ 1,408	\$ 219	\$ 1,117	\$ 2,745	\$ 215	\$ 5	\$ 2,965	1,955,248	1,688	4,722	320	-	1,087	31,588,104	7,126	43,595	
2034	\$ 1,489	\$ 218	\$ 1,075	\$ 2,782	\$ 216	\$ 5	\$ 3,003	1,903,572	1,623	4,307	284	-	921	30,377,787	7,381	44,671	
2035	\$ 1,546	\$ 219	\$ 1,081	\$ 2,846	\$ 218	\$ 5	\$ 3,070	1,853,880	1,580	5,773	383	-	1,270	29,566,367	7,682	45,654	
2036	\$ 1,541	\$ 229	\$ 1,251	\$ 3,020	\$ 237	\$ 6	\$ 3,263	1,944,905	1,631	5,240	394	-	1,242	30,527,403	7,060	46,656	
2037	\$ 1,791	\$ 153	\$ 1,539	\$ 3,483	\$ 117	\$ 3	\$ 3,603	928,695	827	2,188	176	-	480	15,471,402	18,301	47,630	
2038	\$ 1,764	\$ 172	\$ 1,619	\$ 3,555	\$ 145	\$ 4	\$ 3,704	1,111,506	982	3,448	262	-	796	18,378,622	16,504	48,691	
2039	\$ 1,791	\$ 191	\$ 1,625	\$ 3,607	\$ 173	\$ 5	\$ 3,785	1,283,407	1,119	5,337	363	-	1,189	20,942,671	15,871	49,719	
2040	\$ 1,843	\$ 191	\$ 1,599	\$ 3,633	\$ 187	\$ 5	\$ 3,825	1,348,622	1,102	6,324	460	-	1,517	20,614,262	14,247	50,684	
2041	\$ 1,950	\$ 215	\$ 1,555	\$ 3,721	\$ 176	\$ 4	\$ 3,900	1,223,228	843	4,236	295	-	1,035	17,533,343	13,039	51,532	
2042	\$ 2,191	\$ 243	\$ 1,425	\$ 3,858	\$ 166	\$ 3	\$ 4,027	1,119,259	660	2,615	188	-	590	15,436,945	11,938	52,405	
2043	\$ 2,247	\$ 259	\$ 1,402	\$ 3,909	\$ 143	\$ 2	\$ 4,055	935,857	476	2,374	189	-	640	12,729,431	12,353	51,891	
2044	\$ 2,300	\$ 332	\$ 1,338	\$ 3,970	\$ 151	\$ 2	\$ 4,123	956,586	421	3,923	276	-	965	13,137,845	10,430	52,727	
2045	\$ 2,362	\$ 408	\$ 1,308	\$ 4,078	\$ 148	\$ 2	\$ 4,228	907,373	336	5,992	406	-	1,494	12,581,971	9,230	53,491	
2046	\$ 2,436	\$ 472	\$ 1,217	\$ 4,125	\$ 132	\$ 1	\$ 4,258	783,332	232	6,784	435	-	1,550	10,852,542	7,190	53,261	
2047	\$ 2,511	\$ 505	\$ 1,189	\$ 4,205	\$ 102	\$ 1	\$ 4,307	584,482	129	7,288	477	-	1,749	8,062,853	6,813	53,637	
2048	\$ 2,573	\$ 598	\$ 1,096	\$ 4,267	\$ 78	\$ 0	\$ 4,346	435,453	65	8,031	502	-	1,784	6,035,482	6,229	54,542	
2049	\$ 2,677	\$ 667	\$ 1,187	\$ 4,532	\$ 42	\$ 0	\$ 4,575	227,805	17	6,035	404	-	1,495	3,183,466	5,779	55,268	
2050	\$ 2,962	\$ 685	\$ 1,106	\$ 4,753	\$ -	\$ -	\$ 4,753	-	-	12,915	796	-	2,921	0	5,416	56,532	
2051	\$ 2,962	\$ 685	\$ 1,106	\$ 4,753	\$ -	\$ -	\$ 4,753	-	-	12,915	796	-	2,921	0	5,416	56,532	
2052	\$ 2,962	\$ 685	\$ 1,106	\$ 4,753	\$ -	\$ -	\$ 4,753	-	-	12,915	796	-	2,921	0	5,416	56,532	
2053	\$ 2,962	\$ 685	\$ 1,106	\$ 4,753	\$ -	\$ -	\$ 4,753	-	-	12,915	796	-	2,921	0	5,416	56,532	
2054	\$ 2,962	\$ 685	\$ 1,106	\$ 4,753	\$ -	\$ -	\$ 4,753	-	-	12,915	796	-	2,921	0	5,416	56,532	
2055	\$ 2,962	\$ 685	\$ 1,106	\$ 4,753	\$ -	\$ -	\$ 4,753	-	-	12,915	796	-	2,921	0	5,416	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 21,799	\$ 4,792	\$ 16,576	\$ 43,167	\$ 6,337	\$ 57	\$ 49,560	70,070,363	15,395	35,300	25,064	0.23	4,012	<< 2023-2030 sum			
2023-2055								93,671,660	32,634	205,921	36,246	0.23	43,343	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Annuity Tail \$0CO2 Portfolios

Portfolio: 1 - Preferred Plan (\$0CO2), Annuity Tail										<u>Emissions</u>							
Year	Capital +			Cost of											Native Load		
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy Forecast (GW/h)	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,988	2,132	6,601	6,041	0.06	405	39,888,438	559	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,172	1,961	6,487	6,018	0.06	400	36,693,937	765	34,410	
2025	\$ 870	\$ 433	\$ 772	\$ 2,074	\$ 1,207	\$ 6	\$ 3,287	14,529,839	2,475	6,409	5,584	0.05	393	46,310,185	613	35,028	
2026	\$ 913	\$ 391	\$ 804	\$ 2,107	\$ 703	\$ 7	\$ 2,817	8,166,999	2,962	2,644	2,399	0.02	350	55,419,838	996	34,760	
2027	\$ 1,019	\$ 316	\$ 1,068	\$ 2,403	\$ 590	\$ 5	\$ 2,998	6,613,512	2,026	3,693	2,117	0.02	549	37,921,921	1,908	35,507	
2028	\$ 1,045	\$ 285	\$ 1,077	\$ 2,408	\$ 544	\$ 5	\$ 2,957	5,889,742	2,005	4,853	1,801	0.02	1,022	37,518,901	1,662	36,409	
2029	\$ 1,171	\$ 261	\$ 1,203	\$ 2,635	\$ 360	\$ 5	\$ 3,000	3,760,995	2,006	3,471	742	0.01	759	37,545,242	2,689	37,260	
2030	\$ 1,209	\$ 278	\$ 1,166	\$ 2,653	\$ 395	\$ 6	\$ 3,054	3,988,506	2,196	3,740	766	0.01	934	41,103,146	2,419	38,334	
2031	\$ 1,332	\$ 253	\$ 1,128	\$ 2,713	\$ 263	\$ 6	\$ 2,982	2,562,935	2,164	5,429	353	-	1,223	40,494,326	3,468	39,475	
2032	\$ 1,381	\$ 252	\$ 1,100	\$ 2,733	\$ 264	\$ 6	\$ 3,003	2,491,804	2,122	5,174	357	-	1,151	39,703,049	3,687	40,880	
2033	\$ 1,423	\$ 259	\$ 1,075	\$ 2,758	\$ 277	\$ 7	\$ 3,042	2,522,633	2,142	5,047	366	-	1,241	40,090,001	3,924	42,045	
2034	\$ 1,474	\$ 275	\$ 1,047	\$ 2,795	\$ 305	\$ 7	\$ 3,107	2,680,152	2,249	7,223	499	-	1,611	42,087,795	3,667	43,121	
2035	\$ 1,518	\$ 287	\$ 1,065	\$ 2,870	\$ 320	\$ 8	\$ 3,198	2,725,578	2,291	9,071	630	-	1,988	42,866,046	3,658	44,105	
2036	\$ 1,542	\$ 277	\$ 1,194	\$ 3,013	\$ 311	\$ 8	\$ 3,331	2,555,024	2,122	9,269	634	-	2,032	39,710,457	3,972	45,106	
2037	\$ 1,835	\$ 160	\$ 1,281	\$ 3,276	\$ 128	\$ 3	\$ 3,407	1,021,005	895	1,967	169	-	448	16,743,854	15,799	46,080	
2038	\$ 1,802	\$ 181	\$ 1,341	\$ 3,324	\$ 159	\$ 4	\$ 3,487	1,220,152	1,064	3,368	269	-	873	19,902,880	13,887	47,142	
2039	\$ 1,825	\$ 201	\$ 1,329	\$ 3,355	\$ 189	\$ 5	\$ 3,550	1,407,725	1,212	3,643	280	-	891	22,678,407	13,508	48,169	
2040	\$ 1,841	\$ 206	\$ 1,312	\$ 3,359	\$ 211	\$ 5	\$ 3,575	1,519,550	1,236	9,533	661	-	2,131	23,128,309	11,962	49,134	
2041	\$ 1,950	\$ 234	\$ 1,267	\$ 3,451	\$ 198	\$ 4	\$ 3,653	1,375,718	950	7,120	448	-	1,560	19,748,647	10,897	49,982	
2042	\$ 2,207	\$ 265	\$ 1,140	\$ 3,613	\$ 186	\$ 3	\$ 3,802	1,254,963	743	3,397	232	-	761	17,374,546	9,823	50,856	
2043	\$ 2,265	\$ 282	\$ 1,122	\$ 3,669	\$ 160	\$ 3	\$ 3,831	1,044,246	532	3,682	248	-	801	14,223,880	10,228	50,342	
2044	\$ 2,318	\$ 363	\$ 1,056	\$ 3,738	\$ 170	\$ 2	\$ 3,910	1,072,104	471	6,126	408	-	1,481	14,692,261	8,409	51,177	
2045	\$ 2,379	\$ 450	\$ 1,038	\$ 3,867	\$ 166	\$ 2	\$ 4,035	1,015,501	377	8,944	552	-	1,960	14,119,825	7,332	51,941	
2046	\$ 2,469	\$ 583	\$ 964	\$ 4,015	\$ 166	\$ 2	\$ 4,183	983,243	295	10,339	630	-	2,254	13,822,438	4,990	52,777	
2047	\$ 2,576	\$ 641	\$ 954	\$ 4,170	\$ 131	\$ 1	\$ 4,302	751,026	169	15,014	923	-	3,421	10,566,387	4,691	53,637	
2048	\$ 2,677	\$ 709	\$ 868	\$ 4,254	\$ 93	\$ 0	\$ 4,348	517,946	78	13,068	805	-	2,966	7,291,594	4,625	54,542	
2049	\$ 2,749	\$ 813	\$ 964	\$ 4,525	\$ 51	\$ 0	\$ 4,577	276,874	21	12,472	770	-	2,844	3,952,676	4,057	55,268	
2050	\$ 3,109	\$ 816	\$ 887	\$ 4,811	\$ -	\$ -	\$ 4,811	-	-	19,369	1,163	-	4,282	0	4,138	56,532	
2051	\$ 3,109	\$ 816	\$ 887	\$ 4,811	\$ -	\$ -	\$ 4,811	-	-	19,369	1,163	-	4,282	0	4,138	56,532	
2052	\$ 3,109	\$ 816	\$ 887	\$ 4,811	\$ -	\$ -	\$ 4,811	-	-	19,369	1,163	-	4,282	0	4,138	56,532	
2053	\$ 3,109	\$ 816	\$ 887	\$ 4,811	\$ -	\$ -	\$ 4,811	-	-	19,369	1,163	-	4,282	0	4,138	56,532	
2054	\$ 3,109	\$ 816	\$ 887	\$ 4,811	\$ -	\$ -	\$ 4,811	-	-	19,369	1,163	-	4,282	0	4,138	56,532	
2055	\$ 3,109	\$ 816	\$ 887	\$ 4,811	\$ -	\$ -	\$ 4,811	-	-	19,369	1,163	-	4,282	0	4,138	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 21,991	\$ 5,369	\$ 14,782	\$ 42,142	\$ 6,851	\$ 68	\$ 49,061	73,383,754	17,763	37,898	25,467	0.23	4,811	<< 2023-2030 sum			
2023-2055								102,381,931	38,896	293,999	41,679	0.23	62,137	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Sale, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 2 - Inverse 1324 Plan (\$0CO2), Annuity Tail										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of CO2 (\$/Tons)	Methane Tons (\$/Tons)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)														
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,988	2,132	6,601	6,041	0.06	405	39,888,438	559	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,172	1,961	6,487	6,018	0.06	400	36,693,937	765	34,410	
2025	\$ 870	\$ 433	\$ 772	\$ 2,074	\$ 1,207	\$ 6	\$ 3,287	14,529,839	2,475	6,409	5,584	0.05	393	46,310,185	613	35,028	
2026	\$ 913	\$ 391	\$ 804	\$ 2,107	\$ 703	\$ 7	\$ 2,817	8,166,999	2,962	2,644	2,399	0.02	350	55,419,838	996	34,760	
2027	\$ 1,019	\$ 316	\$ 1,068	\$ 2,403	\$ 590	\$ 5	\$ 2,998	6,613,512	2,026	3,693	2,117	0.02	549	37,921,921	1,908	35,507	
2028	\$ 1,046	\$ 286	\$ 1,058	\$ 2,390	\$ 546	\$ 5	\$ 2,942	5,915,586	2,024	5,001	1,777	0.02	981	37,874,759	1,644	36,409	
2029	\$ 1,176	\$ 261	\$ 1,170	\$ 2,606	\$ 359	\$ 5	\$ 2,971	3,755,593	2,003	3,141	699	0.01	810	37,479,626	2,753	37,260	
2030	\$ 1,214	\$ 277	\$ 1,133	\$ 2,624	\$ 394	\$ 6	\$ 3,024	3,980,579	2,191	3,822	727	0.01	929	41,004,265	2,471	38,334	
2031	\$ 1,336	\$ 252	\$ 1,097	\$ 2,685	\$ 262	\$ 6	\$ 2,954	2,559,185	2,162	5,204	315	-	1,273	40,457,271	3,530	39,475	
2032	\$ 1,385	\$ 252	\$ 1,069	\$ 2,706	\$ 264	\$ 6	\$ 2,976	2,488,408	2,119	5,160	317	-	1,155	39,658,089	3,753	40,880	
2033	\$ 1,428	\$ 259	\$ 1,044	\$ 2,731	\$ 277	\$ 7	\$ 3,015	2,520,336	2,141	5,043	329	-	1,259	40,068,827	3,992	42,045	
2034	\$ 1,478	\$ 275	\$ 1,016	\$ 2,769	\$ 304	\$ 7	\$ 3,080	2,676,894	2,247	7,144	463	-	1,655	42,047,932	3,733	43,121	
2035	\$ 1,522	\$ 286	\$ 1,035	\$ 2,844	\$ 320	\$ 8	\$ 3,172	2,722,110	2,289	8,911	596	-	2,057	42,825,295	3,725	44,105	
2036	\$ 1,546	\$ 276	\$ 1,164	\$ 2,987	\$ 310	\$ 8	\$ 3,305	2,551,768	2,120	8,869	602	-	2,176	39,675,243	4,040	45,106	
2037	\$ 1,842	\$ 160	\$ 1,248	\$ 3,249	\$ 129	\$ 3	\$ 3,382	1,023,857	897	1,904	128	-	442	16,790,911	15,888	46,080	
2038	\$ 1,807	\$ 181	\$ 1,306	\$ 3,294	\$ 159	\$ 4	\$ 3,457	1,223,035	1,066	3,935	229	-	750	19,956,317	13,935	47,142	
2039	\$ 1,830	\$ 202	\$ 1,291	\$ 3,322	\$ 190	\$ 5	\$ 3,517	1,410,654	1,215	4,270	243	-	779	22,729,730	13,592	48,169	
2040	\$ 1,846	\$ 207	\$ 1,274	\$ 3,326	\$ 212	\$ 5	\$ 3,543	1,522,108	1,239	9,702	625	-	2,121	23,179,771	12,047	49,134	
2041	\$ 1,955	\$ 234	\$ 1,230	\$ 3,419	\$ 198	\$ 4	\$ 3,621	1,378,342	953	6,751	408	-	1,632	19,809,827	10,975	49,982	
2042	\$ 2,212	\$ 265	\$ 1,103	\$ 3,580	\$ 186	\$ 3	\$ 3,770	1,256,769	744	3,564	196	-	750	17,413,968	9,907	50,856	
2043	\$ 2,269	\$ 283	\$ 1,085	\$ 3,637	\$ 160	\$ 3	\$ 3,800	1,045,916	534	3,615	204	-	793	14,262,460	10,307	50,342	
2044	\$ 2,323	\$ 364	\$ 1,019	\$ 3,706	\$ 170	\$ 2	\$ 3,878	1,072,987	472	6,443	373	-	1,452	14,718,156	8,491	51,177	
2045	\$ 2,383	\$ 450	\$ 1,001	\$ 3,835	\$ 166	\$ 2	\$ 4,003	1,015,857	378	8,528	511	-	2,032	14,132,467	7,408	51,941	
2046	\$ 2,475	\$ 583	\$ 927	\$ 3,984	\$ 166	\$ 2	\$ 4,152	982,906	295	10,317	592	-	2,269	13,823,184	5,060	52,777	
2047	\$ 2,581	\$ 641	\$ 917	\$ 4,139	\$ 131	\$ 1	\$ 4,271	750,706	169	14,621	881	-	3,479	10,568,116	4,767	53,637	
2048	\$ 2,683	\$ 709	\$ 832	\$ 4,223	\$ 93	\$ 0	\$ 4,317	517,547	78	12,962	769	-	3,013	7,288,309	4,695	54,542	
2049	\$ 2,753	\$ 812	\$ 927	\$ 4,493	\$ 51	\$ 0	\$ 4,544	276,624	21	12,461	730	-	2,842	3,950,609	4,123	55,268	
2050	\$ 3,117	\$ 815	\$ 850	\$ 4,782	\$ -	\$ -	\$ 4,782	-	-	18,775	1,119	-	4,368	0	4,205	56,532	
2051	\$ 3,117	\$ 815	\$ 850	\$ 4,782	\$ -	\$ -	\$ 4,782	-	-	18,775	1,119	-	4,368	0	4,205	56,532	
2052	\$ 3,117	\$ 815	\$ 850	\$ 4,782	\$ -	\$ -	\$ 4,782	-	-	18,775	1,119	-	4,368	0	4,205	56,532	
2053	\$ 3,117	\$ 815	\$ 850	\$ 4,782	\$ -	\$ -	\$ 4,782	-	-	18,775	1,119	-	4,368	0	4,205	56,532	
2054	\$ 3,117	\$ 815	\$ 850	\$ 4,782	\$ -	\$ -	\$ 4,782	-	-	18,775	1,119	-	4,368	0	4,205	56,532	
2055	\$ 3,117	\$ 815	\$ 850	\$ 4,782	\$ -	\$ -	\$ 4,782	-	-	18,775	1,119	-	4,368	0	4,205	56,532	
			A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 22,038	\$ 5,369	\$ 14,451	\$ 41,858	\$ 6,852	\$ 68	\$ 48,778	73,396,269	17,773	37,799	25,362	0.23	4,817	<< 2023-2030 sum			
								102,392,278	38,913	289,856	40,586	0.23	62,953	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 4 - 40% Ownership Test Plan (\$0CO2), Annuity Tail										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of		TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GWh)	Native Load Forecast Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)											
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,329	2,132	6,601	6,041	0.06	405	39,888,442	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,743	1,961	6,487	6,018	0.06	400	36,693,941	763	34,410	
2025	\$ 865	\$ 433	\$ 772	\$ 2,070	\$ 1,207	\$ 6	\$ 3,283	14,530,098	2,477	6,408	5,583	0.05	394	46,357,214	613	35,028	
2026	\$ 893	\$ 377	\$ 833	\$ 2,103	\$ 683	\$ 7	\$ 2,792	7,930,940	2,793	2,586	2,333	0.02	338	52,265,117	1,473	34,760	
2027	\$ 967	\$ 305	\$ 1,088	\$ 2,361	\$ 571	\$ 5	\$ 2,937	6,407,727	1,910	5,640	2,161	0.02	625	35,738,964	2,634	35,507	
2028	\$ 962	\$ 283	\$ 1,098	\$ 2,343	\$ 536	\$ 5	\$ 2,884	5,807,902	1,986	8,824	1,876	0.01	982	37,160,631	2,282	36,409	
2029	\$ 1,067	\$ 268	\$ 1,235	\$ 2,570	\$ 367	\$ 6	\$ 2,943	3,842,790	2,089	14,467	1,130	0.01	1,609	39,084,363	3,238	37,260	
2030	\$ 1,104	\$ 284	\$ 1,195	\$ 2,583	\$ 402	\$ 6	\$ 2,992	4,062,016	2,277	16,481	1,213	0.01	1,626	42,601,593	2,941	38,334	
2031	\$ 1,227	\$ 259	\$ 1,152	\$ 2,639	\$ 270	\$ 6	\$ 2,915	2,638,204	2,239	14,038	613	-	1,550	41,907,459	4,013	39,475	
2032	\$ 1,277	\$ 257	\$ 1,121	\$ 2,655	\$ 271	\$ 7	\$ 2,933	2,555,800	2,183	11,410	507	-	1,279	40,852,480	4,224	40,880	
2033	\$ 1,320	\$ 265	\$ 1,094	\$ 2,678	\$ 284	\$ 7	\$ 2,969	2,584,757	2,202	14,998	643	-	1,652	41,209,687	4,455	42,045	
2034	\$ 1,370	\$ 280	\$ 1,061	\$ 2,711	\$ 311	\$ 8	\$ 3,030	2,735,825	2,302	18,770	830	-	2,049	43,086,136	4,190	43,121	
2035	\$ 1,414	\$ 292	\$ 1,081	\$ 2,788	\$ 327	\$ 8	\$ 3,123	2,783,020	2,351	21,003	953	-	2,282	43,997,856	4,174	44,105	
2036	\$ 1,438	\$ 282	\$ 1,255	\$ 2,975	\$ 318	\$ 8	\$ 3,300	2,611,831	2,178	20,982	958	-	2,274	40,753,603	4,507	45,106	
2037	\$ 1,734	\$ 167	\$ 1,346	\$ 3,247	\$ 138	\$ 4	\$ 3,388	1,097,577	967	5,917	256	-	649	18,095,999	16,532	46,080	
2038	\$ 1,705	\$ 188	\$ 1,404	\$ 3,297	\$ 169	\$ 4	\$ 3,471	1,297,413	1,130	8,264	361	-	901	21,146,115	14,554	47,142	
2039	\$ 1,727	\$ 209	\$ 1,388	\$ 3,324	\$ 200	\$ 5	\$ 3,529	1,486,461	1,281	11,523	495	-	1,247	23,966,234	14,149	48,169	
2040	\$ 1,744	\$ 214	\$ 1,370	\$ 3,328	\$ 223	\$ 6	\$ 3,556	1,602,954	1,310	23,412	1,057	-	2,498	24,516,783	12,617	49,134	
2041	\$ 1,848	\$ 246	\$ 1,322	\$ 3,416	\$ 208	\$ 4	\$ 3,629	1,451,537	1,017	16,999	725	-	1,831	21,140,374	11,535	49,982	
2042	\$ 2,105	\$ 276	\$ 1,199	\$ 3,580	\$ 195	\$ 4	\$ 3,779	1,314,597	787	8,216	351	-	920	18,408,149	10,431	50,856	
2043	\$ 2,162	\$ 296	\$ 1,181	\$ 3,639	\$ 168	\$ 3	\$ 3,810	1,098,349	568	7,448	318	-	837	15,173,941	10,845	50,342	
2044	\$ 2,215	\$ 379	\$ 1,114	\$ 3,708	\$ 176	\$ 2	\$ 3,887	1,113,682	496	14,178	606	-	1,550	15,463,569	9,007	51,177	
2045	\$ 2,277	\$ 465	\$ 1,095	\$ 3,838	\$ 171	\$ 2	\$ 4,011	1,047,062	393	19,925	851	-	2,158	14,699,974	7,914	51,941	
2046	\$ 2,361	\$ 599	\$ 1,020	\$ 3,979	\$ 170	\$ 2	\$ 4,150	1,004,861	304	24,303	1,038	-	2,633	14,241,061	5,576	52,777	
2047	\$ 2,464	\$ 659	\$ 1,008	\$ 4,131	\$ 134	\$ 1	\$ 4,265	766,686	175	32,997	1,410	-	3,541	10,895,443	5,270	53,637	
2048	\$ 2,564	\$ 724	\$ 921	\$ 4,209	\$ 95	\$ 0	\$ 4,304	526,373	80	29,628	1,266	-	3,194	7,468,802	5,168	54,542	
2049	\$ 2,644	\$ 829	\$ 1,016	\$ 4,488	\$ 52	\$ 0	\$ 4,541	280,880	22	27,711	1,184	-	3,004	4,037,451	4,597	55,268	
2050	\$ 2,981	\$ 828	\$ 935	\$ 4,745	\$ -	\$ -	\$ 4,745	-	-	44,730	1,910	-	4,768	0	4,644	56,532	
2051	\$ 2,981	\$ 828	\$ 935	\$ 4,745	\$ -	\$ -	\$ 4,745	-	-	44,730	1,910	-	4,768	0	4,644	56,532	
2052	\$ 2,981	\$ 828	\$ 935	\$ 4,745	\$ -	\$ -	\$ 4,745	-	-	44,730	1,910	-	4,768	0	4,644	56,532	
2053	\$ 2,981	\$ 828	\$ 935	\$ 4,745	\$ -	\$ -	\$ 4,745	-	-	44,730	1,910	-	4,768	0	4,644	56,532	
2054	\$ 2,981	\$ 828	\$ 935	\$ 4,745	\$ -	\$ -	\$ 4,745	-	-	44,730	1,910	-	4,768	0	4,644	56,532	
2055	\$ 2,981	\$ 828	\$ 935	\$ 4,745	\$ -	\$ -	\$ 4,745	-	-	44,730	1,910	-	4,768	0	4,644	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 20,887	\$ 5,431	\$ 15,227	\$ 41,545	\$ 6,876	\$ 69	\$ 48,490	73,015,545	17,624	67,495	26,355	0.23	6,578	<< 2023-2030 sum			
2023-2055								103,013,414	39,608	667,596	52,237	0.23	71,232	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 1 - Preferred Plan (\$0CO2) - with Prospective New Load, Annuity Tail										Emissions						Native Load					
Year	Capital +			Cost of				Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Native Load Forecast Energy (GW/h)					
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$/MWh)	Methane Tons (\$/MWh)	TOTAL PVSC (\$M)														
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,484	2,132	6,601	6,041	0.06	405	39,888,439	561	33,906					
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,569	1,961	6,487	6,018	0.06	400	36,693,908	762	34,410					
2025	\$ 865	\$ 433	\$ 772	\$ 2,070	\$ 1,207	\$ 6	\$ 3,283	14,530,287	2,477	6,408	5,583	0.05	394	46,357,057	612	35,028					
2026	\$ 907	\$ 404	\$ 763	\$ 2,074	\$ 725	\$ 7	\$ 2,806	8,426,376	3,115	2,723	2,452	0.02	361	58,294,532	2,396	35,826					
2027	\$ 987	\$ 293	\$ 1,182	\$ 2,462	\$ 554	\$ 4	\$ 3,020	6,217,580	1,760	2,820	2,032	0.02	426	32,930,031	2,796	37,056					
2028	\$ 1,047	\$ 251	\$ 1,242	\$ 2,540	\$ 493	\$ 4	\$ 3,037	5,337,336	1,610	2,953	1,649	0.01	504	30,119,743	2,909	37,959					
2029	\$ 1,149	\$ 247	\$ 1,335	\$ 2,730	\$ 340	\$ 5	\$ 3,075	3,553,397	1,829	2,837	696	0.01	593	34,234,771	2,982	38,810					
2030	\$ 1,187	\$ 261	\$ 1,277	\$ 2,725	\$ 371	\$ 6	\$ 3,101	3,747,412	1,989	2,159	662	0.01	498	37,213,554	2,648	39,883					
2031	\$ 1,310	\$ 238	\$ 1,221	\$ 2,768	\$ 242	\$ 6	\$ 3,016	2,362,836	1,988	3,401	226	-	735	37,197,890	3,808	41,025					
2032	\$ 1,358	\$ 239	\$ 1,161	\$ 2,759	\$ 246	\$ 6	\$ 3,011	2,319,057	1,975	3,561	275	-	918	36,964,036	4,065	42,430					
2033	\$ 1,401	\$ 248	\$ 1,118	\$ 2,767	\$ 260	\$ 6	\$ 3,034	2,366,746	2,012	3,505	243	-	790	37,651,848	4,349	43,595					
2034	\$ 1,451	\$ 265	\$ 1,077	\$ 2,792	\$ 288	\$ 7	\$ 3,088	2,536,176	2,134	6,252	442	-	1,495	39,935,441	4,094	44,671					
2035	\$ 1,495	\$ 274	\$ 1,084	\$ 2,853	\$ 302	\$ 7	\$ 3,162	2,570,123	2,157	6,616	519	-	1,654	40,371,382	4,067	45,654					
2036	\$ 1,519	\$ 264	\$ 1,252	\$ 3,036	\$ 292	\$ 7	\$ 3,335	2,400,841	1,993	5,924	451	-	1,476	37,295,875	4,398	46,656					
2037	\$ 1,802	\$ 154	\$ 1,539	\$ 3,495	\$ 119	\$ 3	\$ 3,617	948,931	835	1,967	158	-	435	15,623,882	16,458	47,630					
2038	\$ 1,775	\$ 174	\$ 1,618	\$ 3,567	\$ 149	\$ 4	\$ 3,719	1,142,288	997	3,050	230	-	647	18,656,580	14,740	48,691					
2039	\$ 1,803	\$ 195	\$ 1,624	\$ 3,621	\$ 179	\$ 5	\$ 3,804	1,328,470	1,151	3,746	259	-	847	21,533,206	14,144	49,719					
2040	\$ 1,812	\$ 197	\$ 1,599	\$ 3,608	\$ 197	\$ 5	\$ 3,810	1,420,226	1,154	7,677	532	-	1,632	21,593,013	12,548	50,684					
2041	\$ 1,927	\$ 221	\$ 1,554	\$ 3,702	\$ 184	\$ 4	\$ 3,890	1,281,781	876	5,320	370	-	1,355	18,207,548	11,426	51,532					
2042	\$ 2,184	\$ 251	\$ 1,423	\$ 3,858	\$ 175	\$ 3	\$ 4,036	1,177,330	692	2,820	211	-	723	16,187,068	10,346	52,405					
2043	\$ 2,241	\$ 267	\$ 1,401	\$ 3,908	\$ 150	\$ 2	\$ 4,060	978,233	494	3,805	260	-	862	13,211,222	10,732	51,891					
2044	\$ 2,293	\$ 345	\$ 1,336	\$ 3,975	\$ 160	\$ 2	\$ 4,137	1,011,313	442	6,124	404	-	1,442	13,799,694	8,911	52,727					
2045	\$ 2,354	\$ 426	\$ 1,307	\$ 4,087	\$ 157	\$ 2	\$ 4,246	960,616	355	7,982	512	-	1,857	13,268,068	7,766	53,491					
2046	\$ 2,432	\$ 499	\$ 1,216	\$ 4,147	\$ 141	\$ 1	\$ 4,290	838,176	247	7,197	456	-	1,625	11,573,463	5,829	53,261					
2047	\$ 2,508	\$ 530	\$ 1,188	\$ 4,226	\$ 108	\$ 1	\$ 4,334	617,644	137	8,201	522	-	1,891	8,526,884	5,778	53,637					
2048	\$ 2,620	\$ 584	\$ 1,094	\$ 4,298	\$ 77	\$ 0	\$ 4,375	426,115	63	7,858	504	-	1,837	5,869,505	5,708	54,542					
2049	\$ 2,710	\$ 668	\$ 1,186	\$ 4,564	\$ 42	\$ 0	\$ 4,607	228,871	17	7,304	455	-	1,600	3,185,811	5,096	55,268					
2050	\$ 3,019	\$ 674	\$ 1,104	\$ 4,797	\$ -	\$ -	\$ 4,797	-	-	12,131	747	-	2,725	0	5,230	56,532					
2051	\$ 3,019	\$ 674	\$ 1,104	\$ 4,797	\$ -	\$ -	\$ 4,797	-	-	12,131	747	-	2,725	0	5,230	56,532					
2052	\$ 3,019	\$ 674	\$ 1,104	\$ 4,797	\$ -	\$ -	\$ 4,797	-	-	12,131	747	-	2,725	0	5,230	56,532					
2053	\$ 3,019	\$ 674	\$ 1,104	\$ 4,797	\$ -	\$ -	\$ 4,797	-	-	12,131	747	-	2,725	0	5,230	56,532					
2054	\$ 3,019	\$ 674	\$ 1,104	\$ 4,797	\$ -	\$ -	\$ 4,797	-	-	12,131	747	-	2,725	0	5,230	56,532					
2055	\$ 3,019	\$ 674	\$ 1,104	\$ 4,797	\$ -	\$ -	\$ 4,797	-	-	12,131	747	-	2,725	0	5,230	56,532					
				A	B	C	A + B + C														
NPV (\$M) 2023-2055								\$ 21,651	\$ 5,005	\$ 16,527	\$ 43,183	\$ 6,670	\$ 64	\$ 49,917	72,246,441	16,872	32,990	25,133	0.23	3,580	<< 2023-2030 sum
								99,162,215	36,591	208,087	36,642	0.23	43,750	<< 2023-2055 sum							

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

High Gas SCC Portfolios

Portfolio: 1 - Preferred Plan (SCC), High Gas Sensitivity										<u>Emissions</u>							Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of CO2 Tons (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)		
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)											Burn (MMBtu)	Curtailment (GWh)			
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,372	2,132	6,601	6,041	0.06	405	39,888,444	558	33,906		
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,770	1,961	6,487	6,018	0.06	400	36,693,931	764	34,410		
2025	\$ 863	\$ 455	\$ 775	\$ 2,093	\$ 1,214	\$ 6	\$ 3,313	14,615,436	2,505	6,440	5,621	0.05	395	46,869,346	626	35,028		
2026	\$ 944	\$ 367	\$ 772	\$ 2,083	\$ 635	\$ 6	\$ 2,724	7,380,546	2,359	2,461	2,271	0.02	312	44,138,305	3,677	34,760		
2027	\$ 984	\$ 267	\$ 1,211	\$ 2,463	\$ 485	\$ 3	\$ 2,951	5,443,441	1,287	3,013	1,952	0.02	402	24,080,439	5,165	35,507		
2028	\$ 948	\$ 251	\$ 1,339	\$ 2,538	\$ 452	\$ 4	\$ 2,994	4,899,861	1,383	6,699	1,803	0.01	1,138	25,880,726	5,440	36,409		
2029	\$ 1,007	\$ 256	\$ 1,336	\$ 2,600	\$ 313	\$ 4	\$ 2,917	3,272,435	1,649	10,262	1,126	0.01	1,986	30,858,152	5,442	37,260		
2030	\$ 1,044	\$ 271	\$ 1,281	\$ 2,596	\$ 341	\$ 5	\$ 2,942	3,448,871	1,797	13,448	1,280	0.01	2,452	33,623,670	5,035	38,334		
2031	\$ 1,189	\$ 239	\$ 1,218	\$ 2,646	\$ 202	\$ 5	\$ 2,853	1,967,734	1,695	8,119	479	-	1,530	31,716,874	6,488	39,475		
2032	\$ 1,200	\$ 261	\$ 1,159	\$ 2,620	\$ 227	\$ 6	\$ 2,853	2,142,231	1,862	11,808	685	-	2,108	34,848,271	6,032	40,880		
2033	\$ 1,260	\$ 252	\$ 1,118	\$ 2,630	\$ 214	\$ 5	\$ 2,849	1,951,234	1,700	11,729	678	-	2,100	31,803,554	7,592	42,045		
2034	\$ 1,340	\$ 252	\$ 1,075	\$ 2,668	\$ 215	\$ 5	\$ 2,888	1,891,151	1,629	9,373	538	-	1,710	30,479,004	7,840	43,121		
2035	\$ 1,396	\$ 259	\$ 1,082	\$ 2,737	\$ 217	\$ 6	\$ 2,960	1,849,092	1,600	10,884	596	-	1,755	29,936,793	8,131	44,105		
2036	\$ 1,392	\$ 273	\$ 1,252	\$ 2,917	\$ 235	\$ 6	\$ 3,158	1,933,347	1,645	11,337	675	-	2,032	30,781,228	7,519	45,106		
2037	\$ 1,639	\$ 181	\$ 1,541	\$ 3,361	\$ 120	\$ 3	\$ 3,484	951,658	862	5,231	332	-	1,007	16,134,849	18,943	46,080		
2038	\$ 1,617	\$ 206	\$ 1,621	\$ 3,444	\$ 147	\$ 4	\$ 3,595	1,127,682	1,002	7,408	437	-	1,287	18,745,308	17,046	47,142		
2039	\$ 1,643	\$ 235	\$ 1,627	\$ 3,504	\$ 174	\$ 5	\$ 3,683	1,297,596	1,139	11,167	644	-	1,912	21,307,283	16,393	48,169		
2040	\$ 1,693	\$ 241	\$ 1,601	\$ 3,535	\$ 190	\$ 5	\$ 3,729	1,365,013	1,134	12,313	736	-	2,155	21,221,279	14,781	49,134		
2041	\$ 1,790	\$ 271	\$ 1,556	\$ 3,616	\$ 181	\$ 4	\$ 3,801	1,259,738	901	8,940	508	-	1,612	18,733,630	13,588	49,982		
2042	\$ 2,036	\$ 296	\$ 1,422	\$ 3,753	\$ 169	\$ 3	\$ 3,926	1,140,534	698	5,580	331	-	1,020	16,318,654	12,441	50,856		
2043	\$ 2,093	\$ 309	\$ 1,400	\$ 3,803	\$ 146	\$ 2	\$ 3,951	953,331	503	4,903	290	-	851	13,446,916	12,866	50,342		
2044	\$ 2,159	\$ 388	\$ 1,337	\$ 3,883	\$ 153	\$ 2	\$ 4,038	966,321	440	7,822	443	-	1,377	13,727,195	10,922	51,177		
2045	\$ 2,240	\$ 462	\$ 1,307	\$ 4,009	\$ 149	\$ 2	\$ 4,159	908,856	345	10,620	583	-	1,827	12,929,235	9,705	51,941		
2046	\$ 2,336	\$ 574	\$ 1,218	\$ 4,128	\$ 146	\$ 1	\$ 4,275	864,462	264	12,314	679	-	2,195	12,361,472	7,209	52,777		
2047	\$ 2,447	\$ 624	\$ 1,190	\$ 4,261	\$ 116	\$ 1	\$ 4,378	668,170	153	16,588	926	-	3,106	9,555,425	6,554	53,637		
2048	\$ 2,496	\$ 727	\$ 1,179	\$ 4,403	\$ 89	\$ 0	\$ 4,492	496,138	76	18,644	1,019	-	3,370	7,142,235	5,938	54,542		
2049	\$ 2,605	\$ 795	\$ 1,173	\$ 4,574	\$ 48	\$ 0	\$ 4,622	259,045	20	16,905	899	-	2,865	3,760,621	5,554	55,268		
2050	\$ 2,964	\$ 803	\$ 1,094	\$ 4,861	\$ -	\$ -	\$ 4,861	-	-	32,714	1,736	-	5,682	0	5,136	56,532		
2051	\$ 2,964	\$ 803	\$ 1,094	\$ 4,861	\$ -	\$ -	\$ 4,861	-	-	32,714	1,736	-	5,682	0	5,136	56,532		
2052	\$ 2,964	\$ 803	\$ 1,094	\$ 4,861	\$ -	\$ -	\$ 4,861	-	-	32,714	1,736	-	5,682	0	5,136	56,532		
2053	\$ 2,964	\$ 803	\$ 1,094	\$ 4,861	\$ -	\$ -	\$ 4,861	-	-	32,714	1,736	-	5,682	0	5,136	56,532		
2054	\$ 2,964	\$ 803	\$ 1,094	\$ 4,861	\$ -	\$ -	\$ 4,861	-	-	32,714	1,736	-	5,682	0	5,136	56,532		
2055	\$ 2,964	\$ 803	\$ 1,094	\$ 4,861	\$ -	\$ -	\$ 4,861	-	-	32,714	1,736	-	5,682	0	5,136	56,532		
			A	B	C	A + B + C												
NPV (\$M)	\$ 20,449	\$ 5,330	\$ 16,641	\$ 42,421	\$ 6,312	\$ 57	\$ 48,790	69,494,733	15,071	55,412	26,112	0.23	7,490	<< 2023-2030 sum				
2023-2055								93,488,066	32,739	453,383	48,003	0.23	77,401	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Sale, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 2 - Inverse 1324 Plan (SCC), High Gas Sensitivity										Emissions						Native Load		
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailement (GWh)			
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,372	2,132	6,601	6,041	0.06	405	39,888,444	558	33,906		
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,770	1,961	6,487	6,018	0.06	400	36,693,931	764	34,410		
2025	\$ 863	\$ 455	\$ 775	\$ 2,093	\$ 1,214	\$ 6	\$ 3,313	14,615,436	2,505	6,440	5,621	0.05	395	46,869,346	626	35,028		
2026	\$ 944	\$ 367	\$ 772	\$ 2,083	\$ 635	\$ 6	\$ 2,724	7,380,555	2,359	2,461	2,271	0.02	312	44,138,289	3,677	34,760		
2027	\$ 984	\$ 267	\$ 1,211	\$ 2,463	\$ 485	\$ 3	\$ 2,951	5,443,402	1,287	2,961	1,952	0.02	413	24,080,443	5,164	35,507		
2028	\$ 954	\$ 248	\$ 1,322	\$ 2,525	\$ 449	\$ 3	\$ 2,978	4,866,279	1,360	6,524	1,760	0.01	1,053	25,450,593	5,543	36,409		
2029	\$ 1,015	\$ 255	\$ 1,305	\$ 2,575	\$ 311	\$ 4	\$ 2,891	3,254,130	1,637	10,065	1,090	0.01	2,050	30,636,698	5,541	37,260		
2030	\$ 1,052	\$ 270	\$ 1,250	\$ 2,572	\$ 339	\$ 5	\$ 2,916	3,428,695	1,782	13,213	1,239	0.01	2,487	33,343,435	5,168	38,334		
2031	\$ 1,197	\$ 238	\$ 1,184	\$ 2,620	\$ 199	\$ 5	\$ 2,824	1,946,523	1,679	8,081	431	-	1,481	31,422,161	6,614	39,475		
2032	\$ 1,208	\$ 259	\$ 1,127	\$ 2,593	\$ 225	\$ 6	\$ 2,823	2,116,314	1,841	11,208	648	-	2,246	34,449,133	6,151	40,880		
2033	\$ 1,268	\$ 250	\$ 1,086	\$ 2,604	\$ 212	\$ 5	\$ 2,821	1,927,471	1,680	11,646	634	-	2,068	31,436,576	7,706	42,045		
2034	\$ 1,348	\$ 251	\$ 1,044	\$ 2,642	\$ 212	\$ 5	\$ 2,860	1,868,269	1,611	8,992	492	-	1,737	30,146,876	7,949	43,121		
2035	\$ 1,405	\$ 257	\$ 1,051	\$ 2,713	\$ 215	\$ 5	\$ 2,933	1,826,734	1,583	10,382	549	-	1,801	29,624,754	8,233	44,105		
2036	\$ 1,400	\$ 272	\$ 1,221	\$ 2,892	\$ 233	\$ 6	\$ 3,131	1,911,717	1,630	11,302	639	-	2,077	30,493,709	7,637	45,106		
2037	\$ 1,649	\$ 180	\$ 1,507	\$ 3,336	\$ 118	\$ 3	\$ 3,458	940,714	855	5,341	286	-	965	16,000,619	19,099	46,080		
2038	\$ 1,626	\$ 205	\$ 1,585	\$ 3,415	\$ 145	\$ 4	\$ 3,564	1,113,315	990	7,458	390	-	1,222	18,534,824	17,184	47,142		
2039	\$ 1,651	\$ 233	\$ 1,588	\$ 3,472	\$ 172	\$ 5	\$ 3,649	1,282,703	1,127	11,235	608	-	1,950	21,098,328	16,533	48,169		
2040	\$ 1,701	\$ 240	\$ 1,562	\$ 3,502	\$ 188	\$ 5	\$ 3,694	1,350,321	1,124	12,440	699	-	2,153	21,030,499	14,917	49,134		
2041	\$ 1,798	\$ 268	\$ 1,518	\$ 3,584	\$ 179	\$ 4	\$ 3,766	1,244,026	890	9,355	469	-	1,533	18,497,669	13,720	49,982		
2042	\$ 2,043	\$ 293	\$ 1,384	\$ 3,720	\$ 167	\$ 3	\$ 3,890	1,125,277	687	5,220	286	-	1,056	16,076,474	12,570	50,856		
2043	\$ 2,101	\$ 306	\$ 1,363	\$ 3,770	\$ 144	\$ 2	\$ 3,916	940,668	496	4,364	236	-	867	13,260,025	12,987	50,342		
2044	\$ 2,166	\$ 384	\$ 1,300	\$ 3,849	\$ 151	\$ 2	\$ 4,003	955,069	435	7,424	395	-	1,402	13,562,832	11,040	51,177		
2045	\$ 2,247	\$ 457	\$ 1,270	\$ 3,975	\$ 147	\$ 2	\$ 4,123	898,263	341	10,269	534	-	1,832	12,769,909	9,814	51,941		
2046	\$ 2,344	\$ 568	\$ 1,181	\$ 4,093	\$ 144	\$ 1	\$ 4,238	855,022	261	12,505	657	-	2,278	12,220,235	7,308	52,777		
2047	\$ 2,454	\$ 618	\$ 1,154	\$ 4,226	\$ 115	\$ 1	\$ 4,341	660,818	151	17,205	883	-	2,951	9,442,590	6,647	53,637		
2048	\$ 2,504	\$ 719	\$ 1,142	\$ 4,365	\$ 88	\$ 0	\$ 4,454	490,509	75	18,536	978	-	3,376	7,052,022	6,024	54,542		
2049	\$ 2,613	\$ 786	\$ 1,137	\$ 4,536	\$ 48	\$ 0	\$ 4,584	256,273	20	15,486	835	-	2,975	3,715,825	5,641	55,268		
2050	\$ 2,971	\$ 794	\$ 1,057	\$ 4,821	\$ -	\$ -	\$ 4,821	-	-	31,411	1,670	-	5,757	0	5,217	56,532		
2051	\$ 2,971	\$ 794	\$ 1,057	\$ 4,821	\$ -	\$ -	\$ 4,821	-	-	31,411	1,670	-	5,757	0	5,217	56,532		
2052	\$ 2,971	\$ 794	\$ 1,057	\$ 4,821	\$ -	\$ -	\$ 4,821	-	-	31,411	1,670	-	5,757	0	5,217	56,532		
2053	\$ 2,971	\$ 794	\$ 1,057	\$ 4,821	\$ -	\$ -	\$ 4,821	-	-	31,411	1,670	-	5,757	0	5,217	56,532		
2054	\$ 2,971	\$ 794	\$ 1,057	\$ 4,821	\$ -	\$ -	\$ 4,821	-	-	31,411	1,670	-	5,757	0	5,217	56,532		
2055	\$ 2,971	\$ 794	\$ 1,057	\$ 4,821	\$ -	\$ -	\$ 4,821	-	-	31,411	1,670	-	5,757	0	5,217	56,532		
				A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 20,528	\$ 5,299	\$ 16,309	\$ 42,136	\$ 6,293	\$ 57	\$ 48,485	69,422,637	15,022	54,753	25,992	0.23	7,514	<< 2023-2030 sum				
								93,132,644	32,499	441,667	46,661	0.23	78,030	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 3 - Least Cost Plan (SCC), High Gas Sensitivity										Emissions					Native Load		
Year	Capital +				Cost of		Methane Tons	TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 (\$M)	TOTAL (\$M)											
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,145	2,132	6,601	6,041	0.06	405	39,888,431	556	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,367	1,961	6,487	6,018	0.06	400	36,693,920	763	34,410	
2025	\$ 863	\$ 455	\$ 775	\$ 2,093	\$ 1,214	\$ 6	\$ 3,313	14,615,054	2,505	6,440	5,621	0.05	395	46,869,371	626	35,028	
2026	\$ 944	\$ 367	\$ 772	\$ 2,083	\$ 635	\$ 6	\$ 2,724	7,380,556	2,359	2,461	2,271	0.02	312	44,138,240	3,674	34,760	
2027	\$ 1,000	\$ 267	\$ 1,179	\$ 2,446	\$ 485	\$ 3	\$ 2,934	5,443,188	1,287	2,649	1,927	0.02	291	24,087,790	5,161	35,507	
2028	\$ 1,009	\$ 241	\$ 1,267	\$ 2,517	\$ 440	\$ 3	\$ 2,960	4,768,234	1,280	3,910	1,599	0.01	441	23,957,625	5,599	36,409	
2029	\$ 1,087	\$ 241	\$ 1,249	\$ 2,578	\$ 296	\$ 4	\$ 2,878	3,096,476	1,498	5,688	766	0.01	666	28,033,796	5,635	37,260	
2030	\$ 1,124	\$ 255	\$ 1,194	\$ 2,574	\$ 322	\$ 5	\$ 2,901	3,257,635	1,631	7,295	827	0.01	839	30,518,821	5,219	38,334	
2031	\$ 1,269	\$ 227	\$ 1,128	\$ 2,623	\$ 186	\$ 5	\$ 2,814	1,814,043	1,564	5,989	255	-	683	29,275,748	6,752	39,475	
2032	\$ 1,280	\$ 246	\$ 1,071	\$ 2,597	\$ 210	\$ 5	\$ 2,812	1,981,455	1,721	7,923	364	-	895	32,196,319	6,283	40,880	
2033	\$ 1,340	\$ 239	\$ 1,031	\$ 2,610	\$ 198	\$ 5	\$ 2,813	1,803,177	1,573	7,178	316	-	809	29,430,030	7,855	42,045	
2034	\$ 1,419	\$ 240	\$ 991	\$ 2,650	\$ 199	\$ 5	\$ 2,854	1,751,633	1,513	4,500	192	-	527	28,317,143	8,097	43,121	
2035	\$ 1,476	\$ 245	\$ 1,000	\$ 2,721	\$ 201	\$ 5	\$ 2,927	1,709,715	1,479	8,705	379	-	964	27,669,930	8,384	44,105	
2036	\$ 1,471	\$ 259	\$ 1,171	\$ 2,901	\$ 218	\$ 5	\$ 3,125	1,793,221	1,527	8,169	382	-	910	28,566,552	7,775	45,106	
2037	\$ 1,720	\$ 171	\$ 1,458	\$ 3,350	\$ 109	\$ 3	\$ 3,462	864,066	785	3,661	163	-	406	14,696,040	19,290	46,080	
2038	\$ 1,692	\$ 196	\$ 1,537	\$ 3,425	\$ 134	\$ 4	\$ 3,563	1,028,935	922	4,936	229	-	544	17,252,862	17,427	47,142	
2039	\$ 1,717	\$ 223	\$ 1,542	\$ 3,481	\$ 160	\$ 4	\$ 3,646	1,192,784	1,052	8,105	357	-	881	19,689,682	16,773	48,169	
2040	\$ 1,764	\$ 227	\$ 1,517	\$ 3,508	\$ 174	\$ 4	\$ 3,687	1,253,277	1,041	9,148	436	-	1,002	19,480,352	15,122	49,134	
2041	\$ 1,867	\$ 252	\$ 1,476	\$ 3,596	\$ 166	\$ 4	\$ 3,765	1,156,383	818	5,879	250	-	662	17,016,857	13,902	49,982	
2042	\$ 2,113	\$ 276	\$ 1,347	\$ 3,736	\$ 156	\$ 3	\$ 3,894	1,050,609	637	4,017	172	-	472	14,893,598	12,761	50,856	
2043	\$ 2,170	\$ 287	\$ 1,326	\$ 3,783	\$ 134	\$ 2	\$ 3,920	875,915	457	3,121	133	-	376	12,229,407	13,173	50,342	
2044	\$ 2,234	\$ 363	\$ 1,263	\$ 3,859	\$ 142	\$ 2	\$ 4,003	896,858	406	5,393	230	-	623	12,651,026	11,205	51,177	
2045	\$ 2,314	\$ 432	\$ 1,234	\$ 3,981	\$ 138	\$ 2	\$ 4,120	846,014	319	7,729	330	-	874	11,944,441	9,956	51,941	
2046	\$ 2,417	\$ 538	\$ 1,146	\$ 4,101	\$ 137	\$ 1	\$ 4,239	809,263	246	9,903	423	-	1,115	11,492,529	7,432	52,777	
2047	\$ 2,536	\$ 586	\$ 1,120	\$ 4,241	\$ 109	\$ 1	\$ 4,351	626,310	143	12,910	551	-	1,430	8,892,401	6,775	53,637	
2048	\$ 2,596	\$ 683	\$ 1,109	\$ 4,389	\$ 84	\$ 0	\$ 4,473	466,716	71	13,941	596	-	1,549	6,666,963	6,159	54,542	
2049	\$ 2,706	\$ 749	\$ 1,103	\$ 4,558	\$ 45	\$ 0	\$ 4,603	244,318	19	12,624	540	-	1,419	3,520,906	5,760	55,268	
2050	\$ 3,035	\$ 758	\$ 1,023	\$ 4,817	\$ -	\$ -	\$ 4,817	-	-	25,524	1,089	-	2,756	0	5,343	56,532	
2051	\$ 3,035	\$ 758	\$ 1,023	\$ 4,817	\$ -	\$ -	\$ 4,817	-	-	25,524	1,089	-	2,756	0	5,343	56,532	
2052	\$ 3,035	\$ 758	\$ 1,023	\$ 4,817	\$ -	\$ -	\$ 4,817	-	-	25,524	1,089	-	2,756	0	5,343	56,532	
2053	\$ 3,035	\$ 758	\$ 1,023	\$ 4,817	\$ -	\$ -	\$ 4,817	-	-	25,524	1,089	-	2,756	0	5,343	56,532	
2054	\$ 3,035	\$ 758	\$ 1,023	\$ 4,817	\$ -	\$ -	\$ 4,817	-	-	25,524	1,089	-	2,756	0	5,343	56,532	
2055	\$ 3,035	\$ 758	\$ 1,023	\$ 4,817	\$ -	\$ -	\$ 4,817	-	-	25,524	1,089	-	2,756	0	5,343	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 21,238	\$ 5,130	\$ 15,812	\$ 42,180	\$ 6,184	\$ 54	\$ 48,419	68,995,655	14,652	41,530	25,070	0.23	3,748	<< 2023-2030 sum			
								91,160,349	30,945	338,506	37,906	0.23	36,425	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 6 - Lower Dispatchable Plan (SCC), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailment (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,372	2,132	6,601	6,041	0.06	405	39,888,444	558	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,807	1,961	6,487	6,018	0.06	400	36,693,942	762	34,410	
2025	\$ 868	\$ 454	\$ 775	\$ 2,097	\$ 1,214	\$ 6	\$ 3,317	14,613,139	2,501	6,440	5,617	0.05	395	46,803,956	625	35,028	
2026	\$ 955	\$ 367	\$ 772	\$ 2,094	\$ 636	\$ 6	\$ 2,735	7,383,151	2,359	2,464	2,279	0.02	312	44,135,343	3,680	34,760	
2027	\$ 1,007	\$ 260	\$ 1,202	\$ 2,469	\$ 474	\$ 3	\$ 2,946	5,315,882	1,219	2,803	1,924	0.02	401	22,806,637	5,553	35,507	
2028	\$ 982	\$ 242	\$ 1,318	\$ 2,543	\$ 439	\$ 3	\$ 2,985	4,755,549	1,300	5,368	1,743	0.01	1,045	24,320,696	6,122	36,409	
2029	\$ 1,039	\$ 248	\$ 1,315	\$ 2,603	\$ 302	\$ 4	\$ 2,909	3,160,803	1,568	7,828	1,040	0.01	1,764	29,346,822	6,019	37,260	
2030	\$ 1,077	\$ 262	\$ 1,259	\$ 2,598	\$ 330	\$ 5	\$ 2,932	3,330,577	1,706	9,640	1,147	0.01	2,136	31,918,091	5,596	38,334	
2031	\$ 1,220	\$ 230	\$ 1,191	\$ 2,642	\$ 190	\$ 5	\$ 2,836	1,849,400	1,603	5,291	365	-	1,231	29,994,154	7,055	39,475	
2032	\$ 1,231	\$ 249	\$ 1,133	\$ 2,613	\$ 213	\$ 5	\$ 2,831	2,007,706	1,749	7,945	545	-	1,842	32,729,520	6,455	40,880	
2033	\$ 1,292	\$ 242	\$ 1,092	\$ 2,626	\$ 201	\$ 5	\$ 2,832	1,830,824	1,604	7,973	545	-	1,800	30,008,308	8,129	42,045	
2034	\$ 1,371	\$ 243	\$ 1,050	\$ 2,663	\$ 202	\$ 5	\$ 2,870	1,773,604	1,538	5,872	406	-	1,406	28,781,286	8,371	43,121	
2035	\$ 1,429	\$ 249	\$ 1,057	\$ 2,735	\$ 204	\$ 5	\$ 2,944	1,736,643	1,515	7,605	524	-	1,835	28,347,956	8,667	44,105	
2036	\$ 1,423	\$ 263	\$ 1,227	\$ 2,913	\$ 221	\$ 6	\$ 3,139	1,816,104	1,558	7,552	558	-	1,863	29,157,914	8,069	45,106	
2037	\$ 1,677	\$ 175	\$ 1,516	\$ 3,369	\$ 112	\$ 3	\$ 3,484	892,642	816	3,952	274	-	817	15,261,837	19,728	46,080	
2038	\$ 1,650	\$ 199	\$ 1,596	\$ 3,445	\$ 138	\$ 4	\$ 3,587	1,058,577	947	4,437	345	-	1,141	17,726,796	17,748	47,142	
2039	\$ 1,676	\$ 227	\$ 1,603	\$ 3,505	\$ 165	\$ 4	\$ 3,674	1,224,064	1,081	7,693	515	-	1,649	20,237,842	17,100	48,169	
2040	\$ 1,725	\$ 232	\$ 1,577	\$ 3,534	\$ 179	\$ 5	\$ 3,718	1,285,382	1,075	7,680	545	-	1,670	20,116,500	15,451	49,134	
2041	\$ 1,823	\$ 259	\$ 1,533	\$ 3,615	\$ 170	\$ 4	\$ 3,788	1,181,025	847	5,705	375	-	1,309	17,602,117	14,227	49,982	
2042	\$ 2,068	\$ 280	\$ 1,399	\$ 3,747	\$ 158	\$ 3	\$ 3,907	1,062,577	648	3,921	256	-	812	15,151,892	13,040	50,856	
2043	\$ 2,126	\$ 292	\$ 1,378	\$ 3,796	\$ 136	\$ 2	\$ 3,934	887,726	467	3,377	236	-	771	12,479,459	13,474	50,342	
2044	\$ 2,189	\$ 367	\$ 1,314	\$ 3,869	\$ 143	\$ 2	\$ 4,015	904,947	411	4,701	317	-	1,099	12,826,903	11,496	51,177	
2045	\$ 2,275	\$ 437	\$ 1,285	\$ 3,996	\$ 139	\$ 2	\$ 4,137	852,889	323	6,488	414	-	1,449	12,099,437	10,219	51,941	
2046	\$ 2,371	\$ 541	\$ 1,195	\$ 4,107	\$ 137	\$ 1	\$ 4,246	811,421	247	8,123	522	-	1,911	11,561,298	7,677	52,777	
2047	\$ 2,486	\$ 587	\$ 1,168	\$ 4,241	\$ 109	\$ 1	\$ 4,351	627,174	143	10,061	637	-	2,349	8,918,203	7,012	53,637	
2048	\$ 2,535	\$ 682	\$ 1,157	\$ 4,374	\$ 84	\$ 0	\$ 4,458	465,373	71	12,435	756	-	2,731	6,651,367	6,399	54,542	
2049	\$ 2,640	\$ 749	\$ 1,151	\$ 4,540	\$ 45	\$ 0	\$ 4,586	243,999	19	10,271	646	-	2,386	3,523,818	5,983	55,268	
2050	\$ 3,028	\$ 751	\$ 1,070	\$ 4,850	\$ -	\$ -	\$ 4,850	-	-	19,361	1,179	-	4,384	0	5,546	56,532	
2051	\$ 3,028	\$ 751	\$ 1,070	\$ 4,850	\$ -	\$ -	\$ 4,850	-	-	19,361	1,179	-	4,384	0	5,546	56,532	
2052	\$ 3,028	\$ 751	\$ 1,070	\$ 4,850	\$ -	\$ -	\$ 4,850	-	-	19,361	1,179	-	4,384	0	5,546	56,532	
2053	\$ 3,028	\$ 751	\$ 1,070	\$ 4,850	\$ -	\$ -	\$ 4,850	-	-	19,361	1,179	-	4,384	0	5,546	56,532	
2054	\$ 3,028	\$ 751	\$ 1,070	\$ 4,850	\$ -	\$ -	\$ 4,850	-	-	19,361	1,179	-	4,384	0	5,546	56,532	
2055	\$ 3,028	\$ 751	\$ 1,070	\$ 4,850	\$ -	\$ -	\$ 4,850	-	-	19,361	1,179	-	4,384	0	5,546	56,532	
				A	B	C	A + B + C										
NPV (\$M)	\$ 20,839	\$ 5,154	\$ 16,397	\$ 42,391	\$ 6,202	\$ 55	\$ 48,648	68,993,281	14,744	47,630	25,809	0.23	6,858	<< 2023-2030 sum			
2023-2055								91,505,358	31,406	294,876	41,662	0.23	63,235	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 7 - High Project Labor Agreement (PLA) (SCC), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			Methane Tons	TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy Forecast (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 (\$M)	Cost of (\$M)											
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,145	2,132	6,601	6,041	0.06	405	39,888,431	556	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,346	1,961	6,487	6,018	0.06	400	36,693,915	765	34,410	
2025	\$ 863	\$ 455	\$ 773	\$ 2,091	\$ 1,214	\$ 6	\$ 3,311	14,616,509	2,506	6,440	5,621	0.05	395	46,894,432	626	35,028	
2026	\$ 881	\$ 396	\$ 824	\$ 2,101	\$ 673	\$ 6	\$ 2,781	7,819,418	2,673	2,561	2,337	0.02	333	50,028,361	1,755	34,760	
2027	\$ 919	\$ 299	\$ 1,235	\$ 2,453	\$ 529	\$ 4	\$ 2,986	5,933,023	1,611	3,397	2,056	0.02	535	30,150,499	4,384	35,507	
2028	\$ 968	\$ 243	\$ 1,376	\$ 2,586	\$ 442	\$ 3	\$ 3,032	4,787,385	1,308	4,342	1,688	0.01	832	24,477,853	6,001	36,409	
2029	\$ 1,026	\$ 248	\$ 1,361	\$ 2,635	\$ 303	\$ 4	\$ 2,943	3,170,374	1,566	6,026	912	0.01	1,277	29,304,194	5,968	37,260	
2030	\$ 1,059	\$ 262	\$ 1,291	\$ 2,612	\$ 330	\$ 5	\$ 2,947	3,334,576	1,702	8,142	1,017	0.01	1,636	31,855,797	5,572	38,334	
2031	\$ 1,204	\$ 232	\$ 1,217	\$ 2,654	\$ 192	\$ 5	\$ 2,851	1,877,159	1,621	4,942	338	-	1,080	30,331,400	7,068	39,475	
2032	\$ 1,215	\$ 252	\$ 1,155	\$ 2,622	\$ 217	\$ 5	\$ 2,844	2,041,228	1,776	7,338	503	-	1,717	33,232,344	6,588	40,880	
2033	\$ 1,275	\$ 244	\$ 1,103	\$ 2,622	\$ 205	\$ 5	\$ 2,832	1,863,476	1,628	7,132	480	-	1,634	30,459,572	8,108	42,045	
2034	\$ 1,355	\$ 245	\$ 1,055	\$ 2,655	\$ 205	\$ 5	\$ 2,865	1,807,096	1,561	5,889	389	-	1,354	29,216,226	8,331	43,121	
2035	\$ 1,410	\$ 251	\$ 1,079	\$ 2,741	\$ 208	\$ 5	\$ 2,954	1,767,014	1,533	7,122	487	-	1,675	28,678,036	8,627	44,105	
2036	\$ 1,405	\$ 265	\$ 1,264	\$ 2,934	\$ 225	\$ 6	\$ 3,164	1,846,550	1,575	7,271	518	-	1,745	29,469,604	8,097	45,106	
2037	\$ 1,670	\$ 177	\$ 1,562	\$ 3,408	\$ 115	\$ 3	\$ 3,527	913,740	829	4,255	283	-	845	15,517,279	19,660	46,080	
2038	\$ 1,625	\$ 202	\$ 1,709	\$ 3,536	\$ 141	\$ 4	\$ 3,680	1,083,454	967	4,744	339	-	1,086	18,094,617	17,793	47,142	
2039	\$ 1,651	\$ 229	\$ 1,724	\$ 3,604	\$ 167	\$ 4	\$ 3,776	1,245,464	1,096	6,983	462	-	1,522	20,512,778	17,121	48,169	
2040	\$ 1,700	\$ 234	\$ 1,696	\$ 3,629	\$ 182	\$ 5	\$ 3,816	1,309,397	1,089	7,806	556	-	1,780	20,377,958	15,457	49,134	
2041	\$ 1,799	\$ 262	\$ 1,649	\$ 3,710	\$ 173	\$ 4	\$ 3,887	1,206,688	861	5,556	365	-	1,272	17,899,739	14,264	49,982	
2042	\$ 2,039	\$ 288	\$ 1,518	\$ 3,845	\$ 163	\$ 3	\$ 4,011	1,101,264	673	3,841	259	-	858	15,753,567	13,073	50,856	
2043	\$ 2,096	\$ 300	\$ 1,491	\$ 3,887	\$ 141	\$ 2	\$ 4,030	918,140	483	3,211	232	-	775	12,923,539	13,484	50,342	
2044	\$ 2,162	\$ 376	\$ 1,426	\$ 3,964	\$ 148	\$ 2	\$ 4,113	932,744	424	5,395	349	-	1,194	13,224,821	11,505	51,177	
2045	\$ 2,242	\$ 447	\$ 1,398	\$ 4,087	\$ 143	\$ 2	\$ 4,232	876,749	333	6,289	409	-	1,456	12,449,936	10,238	51,941	
2046	\$ 2,320	\$ 555	\$ 1,303	\$ 4,178	\$ 141	\$ 1	\$ 4,320	833,790	254	7,530	477	-	1,709	11,899,160	7,712	52,777	
2047	\$ 2,426	\$ 604	\$ 1,276	\$ 4,306	\$ 112	\$ 1	\$ 4,419	645,370	148	10,300	648	-	2,380	9,210,457	7,045	53,637	
2048	\$ 2,492	\$ 704	\$ 1,263	\$ 4,459	\$ 86	\$ 0	\$ 4,546	479,788	74	12,363	761	-	2,786	6,889,910	6,392	54,542	
2049	\$ 2,598	\$ 772	\$ 1,253	\$ 4,623	\$ 47	\$ 0	\$ 4,669	251,107	19	10,527	667	-	2,489	3,640,712	6,023	55,268	
2050	\$ 2,958	\$ 777	\$ 1,168	\$ 4,903	\$ -	\$ -	\$ 4,903	-	-	19,696	1,194	-	4,427	0	5,583	56,532	
2051	\$ 2,958	\$ 777	\$ 1,168	\$ 4,903	\$ -	\$ -	\$ 4,903	-	-	19,696	1,194	-	4,427	0	5,583	56,532	
2052	\$ 2,958	\$ 777	\$ 1,168	\$ 4,903	\$ -	\$ -	\$ 4,903	-	-	19,696	1,194	-	4,427	0	5,583	56,532	
2053	\$ 2,958	\$ 777	\$ 1,168	\$ 4,903	\$ -	\$ -	\$ 4,903	-	-	19,696	1,194	-	4,427	0	5,583	56,532	
2054	\$ 2,958	\$ 777	\$ 1,168	\$ 4,903	\$ -	\$ -	\$ 4,903	-	-	19,696	1,194	-	4,427	0	5,583	56,532	
2055	\$ 2,958	\$ 777	\$ 1,168	\$ 4,903	\$ -	\$ -	\$ 4,903	-	-	19,696	1,194	-	4,427	0	5,583	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 20,440	\$ 5,270	\$ 17,126	\$ 42,836	\$ 6,304	\$ 57	\$ 49,197	70,095,777	15,459	43,996	25,688	0.23	5,812	<< 2023-2030 sum			
								93,095,993	32,403	290,663	41,375	0.23	61,735	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 8 - No New Gas Plan (SCC), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	TOTAL (\$M)										
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,291	2,132	6,601	6,041	0.06	405	39,888,422	562	33,906	
2024	\$ 833	\$ 438	\$ 754	\$ 2,025	\$ 1,210	\$ 4	\$ 3,239	15,089,413	1,951	6,477	6,010	0.06	399	36,506,789	781	34,410	
2025	\$ 869	\$ 453	\$ 773	\$ 2,094	\$ 1,212	\$ 6	\$ 3,311	14,582,194	2,481	6,433	5,612	0.05	394	46,432,266	632	35,028	
2026	\$ 978	\$ 340	\$ 686	\$ 2,004	\$ 609	\$ 5	\$ 2,618	7,079,235	2,057	2,398	2,242	0.02	297	38,489,600	4,102	34,760	
2027	\$ 1,122	\$ 224	\$ 1,267	\$ 2,613	\$ 429	\$ 2	\$ 3,045	4,813,264	870	1,806	1,819	0.02	189	16,285,282	6,216	35,507	
2028	\$ 1,230	\$ 177	\$ 1,328	\$ 2,735	\$ 333	\$ 2	\$ 3,070	3,610,169	718	1,341	1,305	0.01	149	13,438,932	6,951	36,409	
2029	\$ 1,341	\$ 173	\$ 1,393	\$ 2,906	\$ 216	\$ 2	\$ 3,124	2,264,675	794	638	534	0.01	111	14,849,940	6,955	37,260	
2030	\$ 1,371	\$ 182	\$ 1,321	\$ 2,874	\$ 234	\$ 2	\$ 3,110	2,365,388	877	653	535	0.01	116	16,411,489	6,519	38,334	
2031	\$ 1,517	\$ 165	\$ 1,242	\$ 2,924	\$ 111	\$ 3	\$ 3,038	1,080,889	955	183	8	-	54	17,867,779	8,410	39,475	
2032	\$ 1,527	\$ 183	\$ 1,173	\$ 2,883	\$ 132	\$ 3	\$ 3,018	1,241,563	1,102	210	9	-	64	20,622,941	7,944	40,880	
2033	\$ 1,587	\$ 179	\$ 1,123	\$ 2,889	\$ 125	\$ 3	\$ 3,017	1,136,203	1,021	195	9	-	59	19,101,059	9,509	42,045	
2034	\$ 1,667	\$ 181	\$ 1,075	\$ 2,923	\$ 127	\$ 3	\$ 3,053	1,114,767	991	190	9	-	57	18,540,015	9,768	43,121	
2035	\$ 1,725	\$ 183	\$ 1,098	\$ 3,006	\$ 127	\$ 3	\$ 3,137	1,083,883	957	189	9	-	54	17,909,317	10,070	44,105	
2036	\$ 1,721	\$ 192	\$ 1,328	\$ 3,240	\$ 137	\$ 4	\$ 3,381	1,130,113	982	193	25	-	56	18,373,822	9,635	45,106	
2037	\$ 1,967	\$ 132	\$ 1,652	\$ 3,752	\$ 63	\$ 2	\$ 3,816	497,765	485	107	5	-	23	9,071,949	21,800	46,080	
2038	\$ 1,940	\$ 148	\$ 1,737	\$ 3,825	\$ 80	\$ 2	\$ 3,907	611,499	572	126	17	-	28	10,705,472	20,001	47,142	
2039	\$ 1,966	\$ 167	\$ 1,736	\$ 3,870	\$ 98	\$ 3	\$ 3,971	730,899	673	141	7	-	35	12,588,801	19,218	48,169	
2040	\$ 2,016	\$ 160	\$ 1,707	\$ 3,883	\$ 104	\$ 3	\$ 3,989	747,834	603	104	30	-	41	11,283,688	17,514	49,134	
2041	\$ 2,117	\$ 170	\$ 1,662	\$ 3,949	\$ 97	\$ 2	\$ 4,048	676,950	454	88	3	-	38	9,437,670	16,226	49,982	
2042	\$ 2,368	\$ 185	\$ 1,527	\$ 4,081	\$ 94	\$ 2	\$ 4,176	630,591	359	74	3	-	40	8,404,254	15,030	50,856	
2043	\$ 2,430	\$ 186	\$ 1,502	\$ 4,119	\$ 79	\$ 1	\$ 4,199	514,261	248	69	3	-	36	6,635,642	15,472	50,342	
2044	\$ 2,495	\$ 239	\$ 1,437	\$ 4,171	\$ 88	\$ 1	\$ 4,260	553,603	236	94	4	-	46	7,365,285	13,293	51,177	
2045	\$ 2,585	\$ 286	\$ 1,400	\$ 4,271	\$ 88	\$ 1	\$ 4,360	536,387	192	109	5	-	54	7,170,929	11,966	51,941	
2046	\$ 2,715	\$ 357	\$ 1,306	\$ 4,379	\$ 89	\$ 1	\$ 4,468	527,175	151	139	6	-	67	7,079,061	9,209	52,777	
2047	\$ 2,832	\$ 388	\$ 1,261	\$ 4,481	\$ 71	\$ 0	\$ 4,553	410,501	88	150	6	-	69	5,512,622	8,537	53,637	
2048	\$ 2,891	\$ 467	\$ 1,255	\$ 4,612	\$ 57	\$ 0	\$ 4,669	317,283	46	178	7	-	82	4,325,271	7,805	54,542	
2049	\$ 2,985	\$ 519	\$ 1,245	\$ 4,749	\$ 31	\$ 0	\$ 4,780	168,570	12	187	8	-	89	2,335,904	7,382	55,268	
2050	\$ 3,302	\$ 533	\$ 1,160	\$ 4,995	\$ -	\$ -	\$ 4,995	-	-	212	8	-	89	0	6,967	56,532	
2051	\$ 3,302	\$ 533	\$ 1,160	\$ 4,995	\$ -	\$ -	\$ 4,995	-	-	212	8	-	89	0	6,967	56,532	
2052	\$ 3,302	\$ 533	\$ 1,160	\$ 4,995	\$ -	\$ -	\$ 4,995	-	-	212	8	-	89	0	6,967	56,532	
2053	\$ 3,302	\$ 533	\$ 1,160	\$ 4,995	\$ -	\$ -	\$ 4,995	-	-	212	8	-	89	0	6,967	56,532	
2054	\$ 3,302	\$ 533	\$ 1,160	\$ 4,995	\$ -	\$ -	\$ 4,995	-	-	212	8	-	89	0	6,967	56,532	
2055	\$ 3,302	\$ 533	\$ 1,160	\$ 4,995	\$ -	\$ -	\$ 4,995	-	-	212	8	-	89	0	6,967	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 23,909	\$ 4,107	\$ 17,183	\$ 45,200	\$ 5,486	\$ 39	\$ 50,725	65,118,629	11,880	26,346	24,097	0.23	2,059	<< 2023-2030 sum			
								78,829,365	22,007	30,344	24,318	0.23	3,587	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 11 - Without May Valley Plan (SCC), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)								Burn (MMBtu)	Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,096	2,132	6,601	6,041	0.06	405	39,888,424	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,977	1,961	6,487	6,018	0.06	400	36,693,940	764	34,410	
2025	\$ 863	\$ 455	\$ 775	\$ 2,093	\$ 1,214	\$ 6	\$ 3,313	14,615,137	2,505	6,440	5,621	0.05	395	46,869,341	626	35,028	
2026	\$ 952	\$ 353	\$ 806	\$ 2,112	\$ 617	\$ 5	\$ 2,734	7,172,286	2,205	2,416	2,248	0.02	301	41,253,742	3,106	34,760	
2027	\$ 1,007	\$ 278	\$ 1,176	\$ 2,462	\$ 500	\$ 3	\$ 2,965	5,607,030	1,396	2,780	1,961	0.02	386	26,119,673	5,120	35,507	
2028	\$ 1,036	\$ 256	\$ 1,245	\$ 2,537	\$ 461	\$ 4	\$ 3,002	4,989,314	1,437	4,001	1,685	0.01	795	26,889,216	4,992	36,409	
2029	\$ 1,130	\$ 255	\$ 1,259	\$ 2,644	\$ 313	\$ 4	\$ 2,961	3,270,479	1,638	5,736	893	0.01	1,278	30,643,042	5,571	37,260	
2030	\$ 1,168	\$ 269	\$ 1,213	\$ 2,650	\$ 340	\$ 5	\$ 2,996	3,439,685	1,780	6,207	919	0.01	1,427	33,301,112	5,141	38,334	
2031	\$ 1,311	\$ 241	\$ 1,156	\$ 2,708	\$ 203	\$ 5	\$ 2,917	1,985,012	1,709	4,562	298	-	1,000	31,977,788	6,622	39,475	
2032	\$ 1,323	\$ 261	\$ 1,108	\$ 2,691	\$ 228	\$ 6	\$ 2,925	2,147,908	1,858	6,915	487	-	1,637	34,768,349	6,157	40,880	
2033	\$ 1,383	\$ 251	\$ 1,076	\$ 2,710	\$ 214	\$ 5	\$ 2,929	1,944,857	1,687	6,793	448	-	1,490	31,561,450	7,688	42,045	
2034	\$ 1,462	\$ 252	\$ 1,043	\$ 2,757	\$ 214	\$ 5	\$ 2,976	1,884,212	1,620	6,256	395	-	1,350	30,313,828	7,899	43,121	
2035	\$ 1,518	\$ 258	\$ 1,072	\$ 2,848	\$ 217	\$ 5	\$ 3,070	1,842,945	1,592	7,872	505	-	1,714	29,795,279	8,175	44,105	
2036	\$ 1,514	\$ 272	\$ 1,274	\$ 3,061	\$ 235	\$ 6	\$ 3,302	1,933,734	1,638	7,991	559	-	1,870	30,649,595	7,597	45,106	
2037	\$ 1,757	\$ 180	\$ 1,475	\$ 3,411	\$ 118	\$ 3	\$ 3,533	941,497	849	3,029	220	-	601	15,889,093	19,029	46,080	
2038	\$ 1,735	\$ 205	\$ 1,483	\$ 3,423	\$ 145	\$ 4	\$ 3,572	1,112,472	990	4,227	311	-	1,014	18,517,955	17,042	47,142	
2039	\$ 1,761	\$ 232	\$ 1,461	\$ 3,453	\$ 171	\$ 5	\$ 3,629	1,272,785	1,114	7,456	478	-	1,541	20,849,811	16,445	48,169	
2040	\$ 1,809	\$ 238	\$ 1,440	\$ 3,487	\$ 187	\$ 5	\$ 3,678	1,343,671	1,114	7,763	550	-	1,841	20,848,640	14,828	49,134	
2041	\$ 1,910	\$ 268	\$ 1,399	\$ 3,577	\$ 179	\$ 4	\$ 3,759	1,244,621	886	5,075	331	-	1,128	18,419,359	13,637	49,982	
2042	\$ 2,157	\$ 294	\$ 1,269	\$ 3,721	\$ 168	\$ 3	\$ 3,892	1,133,506	692	3,643	249	-	828	16,189,004	12,521	50,856	
2043	\$ 2,225	\$ 307	\$ 1,250	\$ 3,782	\$ 145	\$ 2	\$ 3,929	945,159	499	2,934	212	-	693	13,328,417	12,935	50,342	
2044	\$ 2,281	\$ 382	\$ 1,188	\$ 3,850	\$ 151	\$ 2	\$ 4,004	954,779	432	4,137	289	-	1,019	13,475,864	10,962	51,177	
2045	\$ 2,362	\$ 455	\$ 1,161	\$ 3,978	\$ 147	\$ 2	\$ 4,127	898,696	340	6,449	419	-	1,497	12,707,814	9,761	51,941	
2046	\$ 2,464	\$ 567	\$ 1,074	\$ 4,105	\$ 144	\$ 1	\$ 4,251	856,225	261	8,054	520	-	1,911	12,198,209	7,230	52,777	
2047	\$ 2,584	\$ 622	\$ 1,050	\$ 4,256	\$ 116	\$ 1	\$ 4,372	665,272	152	11,403	698	-	2,519	9,509,919	6,591	53,637	
2048	\$ 2,647	\$ 724	\$ 1,040	\$ 4,410	\$ 89	\$ 0	\$ 4,499	494,412	76	11,511	742	-	2,823	7,107,771	5,997	54,542	
2049	\$ 2,742	\$ 796	\$ 1,034	\$ 4,572	\$ 48	\$ 0	\$ 4,620	258,762	20	11,155	677	-	2,438	3,763,716	5,597	55,268	
2050	\$ 3,089	\$ 802	\$ 954	\$ 4,844	\$ -	\$ -	\$ 4,844	-	-	21,555	1,313	-	4,911	0	5,160	56,532	
2051	\$ 3,089	\$ 802	\$ 954	\$ 4,844	\$ -	\$ -	\$ 4,844	-	-	21,555	1,313	-	4,911	0	5,160	56,532	
2052	\$ 3,089	\$ 802	\$ 954	\$ 4,844	\$ -	\$ -	\$ 4,844	-	-	21,555	1,313	-	4,911	0	5,160	56,532	
2053	\$ 3,089	\$ 802	\$ 954	\$ 4,844	\$ -	\$ -	\$ 4,844	-	-	21,555	1,313	-	4,911	0	5,160	56,532	
2054	\$ 3,089	\$ 802	\$ 954	\$ 4,844	\$ -	\$ -	\$ 4,844	-	-	21,555	1,313	-	4,911	0	5,160	56,532	
2055	\$ 3,089	\$ 802	\$ 954	\$ 4,844	\$ -	\$ -	\$ 4,844	-	-	21,555	1,313	-	4,911	0	5,160	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 21,686	\$ 5,315	\$ 15,701	\$ 42,702	\$ 6,308	\$ 57	\$ 49,067	69,528,004	15,051	40,668	25,386	0.23	5,387	<< 2023-2030 sum			
								93,388,529	32,579	297,221	41,653	0.23	63,766	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

High Gas \$0CO2 Portfolios

Portfolio: 1 - Preferred Plan (\$0CO2), High Gas Sensitivity										<u>Emissions</u>							
Year	Capital +					Cost of											
	Other		O&M		TOTAL	Cost of		Methane	TOTAL								
	Costs	Fuel Costs	Costs	Costs	PVRR	CO2	Tons	Tons	PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas	
	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)	(\$M)							Burn (MMBtu)	Curtailment (GWh)	Energy Forecast (GWh)
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,945	2,132	6,601	6,041	3,180	0.06	405	39,888,446	561	33,906
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,169	1,961	6,487	6,018	3,241	0.06	400	36,693,920	765	34,410
2025	\$ 862	\$ 453	\$ 773	\$ 2,087	\$ 1,214	\$ 6	\$ 3,306	14,606,436	2,477	6,453	5,641	3,306	0.05	395	46,346,644	614	35,028
2026	\$ 898	\$ 422	\$ 790	\$ 2,110	\$ 706	\$ 7	\$ 2,823	8,202,345	2,957	2,667	2,405	2,823	0.02	351	55,341,181	986	34,760
2027	\$ 971	\$ 343	\$ 1,100	\$ 2,414	\$ 593	\$ 5	\$ 3,012	6,647,938	2,034	3,111	2,115	3,012	0.02	497	38,070,388	1,911	35,507
2028	\$ 1,042	\$ 314	\$ 1,073	\$ 2,429	\$ 544	\$ 5	\$ 2,979	5,896,459	2,022	4,331	1,762	2,979	0.02	841	37,829,232	1,643	36,409
2029	\$ 1,161	\$ 297	\$ 1,199	\$ 2,658	\$ 368	\$ 6	\$ 3,031	3,845,602	2,083	3,098	714	3,031	0.01	670	38,977,948	2,468	37,260
2030	\$ 1,199	\$ 317	\$ 1,163	\$ 2,679	\$ 404	\$ 6	\$ 3,089	4,079,573	2,279	4,312	780	3,089	0.01	928	42,637,893	2,132	38,334
2031	\$ 1,321	\$ 294	\$ 1,127	\$ 2,742	\$ 271	\$ 6	\$ 3,020	2,642,243	2,235	4,612	308	3,020	-	1,009	41,826,047	3,238	39,475
2032	\$ 1,369	\$ 295	\$ 1,095	\$ 2,758	\$ 273	\$ 7	\$ 3,038	2,570,118	2,194	4,305	343	3,038	-	1,129	41,049,652	3,437	40,880
2033	\$ 1,412	\$ 306	\$ 1,075	\$ 2,794	\$ 285	\$ 7	\$ 3,085	2,595,048	2,208	7,645	477	3,085	-	1,580	41,324,109	3,665	42,045
2034	\$ 1,464	\$ 331	\$ 1,048	\$ 2,843	\$ 314	\$ 8	\$ 3,164	2,762,960	2,327	8,524	570	3,164	-	1,861	43,536,067	3,416	43,121
2035	\$ 1,508	\$ 350	\$ 1,064	\$ 2,922	\$ 330	\$ 8	\$ 3,260	2,807,672	2,367	9,796	724	3,260	-	2,403	44,288,293	3,416	44,105
2036	\$ 1,533	\$ 341	\$ 1,201	\$ 3,075	\$ 320	\$ 8	\$ 3,403	2,631,422	2,193	11,762	770	3,403	-	2,447	41,040,840	3,727	45,106
2037	\$ 1,807	\$ 189	\$ 1,351	\$ 3,347	\$ 132	\$ 3	\$ 3,482	1,046,974	920	2,103	184	3,482	-	458	17,224,808	15,421	46,080
2038	\$ 1,775	\$ 220	\$ 1,348	\$ 3,343	\$ 163	\$ 4	\$ 3,510	1,256,145	1,101	3,756	277	3,510	-	832	20,602,049	13,551	47,142
2039	\$ 1,802	\$ 250	\$ 1,329	\$ 3,381	\$ 194	\$ 5	\$ 3,580	1,439,882	1,243	5,538	399	3,580	-	1,355	23,252,586	13,121	48,169
2040	\$ 1,814	\$ 263	\$ 1,312	\$ 3,388	\$ 216	\$ 5	\$ 3,610	1,556,782	1,274	11,208	748	3,610	-	2,352	23,844,711	11,611	49,134
2041	\$ 1,925	\$ 296	\$ 1,270	\$ 3,491	\$ 206	\$ 4	\$ 3,701	1,433,132	1,013	8,894	565	3,701	-	2,043	21,067,357	10,552	49,982
2042	\$ 2,195	\$ 329	\$ 1,142	\$ 3,667	\$ 195	\$ 4	\$ 3,865	1,311,874	798	4,971	325	3,865	-	1,113	18,670,539	9,483	50,856
2043	\$ 2,265	\$ 343	\$ 1,125	\$ 3,733	\$ 167	\$ 3	\$ 3,903	1,092,318	573	3,792	256	3,903	-	840	15,320,450	9,869	50,342
2044	\$ 2,325	\$ 433	\$ 1,061	\$ 3,819	\$ 177	\$ 2	\$ 3,998	1,115,679	502	6,591	429	3,998	-	1,539	15,665,250	8,104	51,177
2045	\$ 2,404	\$ 522	\$ 1,039	\$ 3,965	\$ 172	\$ 2	\$ 4,139	1,051,945	398	8,829	561	4,139	-	2,049	14,887,851	6,998	51,941
2046	\$ 2,528	\$ 664	\$ 976	\$ 4,167	\$ 172	\$ 2	\$ 4,341	1,018,138	311	10,547	647	4,341	-	2,343	14,546,997	4,769	52,777
2047	\$ 2,665	\$ 717	\$ 969	\$ 4,351	\$ 135	\$ 1	\$ 4,487	777,903	179	14,328	905	4,487	-	3,430	11,140,588	4,470	53,637
2048	\$ 2,778	\$ 780	\$ 977	\$ 4,535	\$ 97	\$ 0	\$ 4,632	537,531	82	12,602	796	4,632	-	2,998	7,709,609	4,378	54,542
2049	\$ 2,839	\$ 883	\$ 975	\$ 4,698	\$ 54	\$ 0	\$ 4,751	288,651	23	12,526	768	4,751	-	2,831	4,214,647	3,847	55,268
2050	\$ 3,187	\$ 877	\$ 900	\$ 4,964	\$ -	\$ -	\$ 4,964	-	-	21,890	1,346	4,964	-	5,090	0	3,901	56,532
2051	\$ 3,187	\$ 877	\$ 900	\$ 4,964	\$ -	\$ -	\$ 4,964	-	-	21,890	1,346	4,964	-	5,090	0	3,901	56,532
2052	\$ 3,187	\$ 877	\$ 900	\$ 4,964	\$ -	\$ -	\$ 4,964	-	-	21,890	1,346	4,964	-	5,090	0	3,901	56,532
2053	\$ 3,187	\$ 877	\$ 900	\$ 4,964	\$ -	\$ -	\$ 4,964	-	-	21,890	1,346	4,964	-	5,090	0	3,901	56,532
2054	\$ 3,187	\$ 877	\$ 900	\$ 4,964	\$ -	\$ -	\$ 4,964	-	-	21,890	1,346	4,964	-	5,090	0	3,901	56,532
2055	\$ 3,187	\$ 877	\$ 900	\$ 4,964	\$ -	\$ -	\$ 4,964	-	-	21,890	1,346	4,964	-	5,090	0	3,901	56,532
				A	B	C	A + B + C										
NPV (\$M)	\$ 21,990	\$ 5,951	\$ 14,869	\$ 42,810	\$ 6,922	\$ 69	\$ 49,801	73,712,467	17,944	37,060	25,478	0.23	4,486	<< 2023-2030 sum			
2023-2055								103,648,883	39,885	320,724	43,605	0.23	69,640	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 2 - Inverse 1324 Plan (\$0CO2), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR	Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,945	2,132	6,601	6,041	0.06	405	39,888,446	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,169	1,961	6,487	6,018	0.06	400	36,693,920	765	34,410	
2025	\$ 862	\$ 453	\$ 773	\$ 2,087	\$ 1,214	\$ 6	\$ 3,306	14,606,436	2,477	6,453	5,641	0.05	395	46,346,644	614	35,028	
2026	\$ 898	\$ 422	\$ 790	\$ 2,110	\$ 706	\$ 7	\$ 2,823	8,202,345	2,957	2,667	2,405	0.02	351	55,341,181	986	34,760	
2027	\$ 971	\$ 343	\$ 1,100	\$ 2,414	\$ 593	\$ 5	\$ 3,012	6,647,938	2,034	3,111	2,115	0.02	497	38,070,388	1,911	35,507	
2028	\$ 1,043	\$ 316	\$ 1,054	\$ 2,412	\$ 547	\$ 5	\$ 2,964	5,922,272	2,040	4,674	1,743	0.02	796	38,183,914	1,627	36,409	
2029	\$ 1,179	\$ 284	\$ 1,168	\$ 2,632	\$ 352	\$ 5	\$ 2,989	3,680,769	1,950	2,503	643	0.01	556	36,489,839	2,941	37,260	
2030	\$ 1,217	\$ 302	\$ 1,133	\$ 2,652	\$ 385	\$ 6	\$ 3,042	3,889,812	2,125	3,829	729	0.01	939	39,763,282	2,634	38,334	
2031	\$ 1,340	\$ 281	\$ 1,098	\$ 2,719	\$ 255	\$ 6	\$ 2,980	2,491,642	2,114	3,849	236	-	948	39,560,940	3,747	39,475	
2032	\$ 1,387	\$ 282	\$ 1,066	\$ 2,736	\$ 257	\$ 6	\$ 3,000	2,426,045	2,075	3,975	272	-	967	38,836,437	3,986	40,880	
2033	\$ 1,431	\$ 295	\$ 1,043	\$ 2,768	\$ 270	\$ 7	\$ 3,045	2,458,350	2,098	6,194	396	-	1,577	39,267,856	4,232	42,045	
2034	\$ 1,482	\$ 317	\$ 1,017	\$ 2,816	\$ 297	\$ 7	\$ 3,120	2,615,263	2,207	7,672	495	-	1,859	41,299,288	3,961	43,121	
2035	\$ 1,526	\$ 335	\$ 1,033	\$ 2,894	\$ 312	\$ 8	\$ 3,215	2,657,802	2,244	9,212	619	-	2,112	41,998,889	3,946	44,105	
2036	\$ 1,550	\$ 327	\$ 1,171	\$ 3,048	\$ 303	\$ 7	\$ 3,358	2,488,463	2,079	10,729	661	-	2,213	38,905,423	4,264	45,106	
2037	\$ 1,838	\$ 184	\$ 1,318	\$ 3,339	\$ 126	\$ 3	\$ 3,468	1,001,734	883	1,853	131	-	417	16,520,140	16,235	46,080	
2038	\$ 1,800	\$ 214	\$ 1,312	\$ 3,326	\$ 156	\$ 4	\$ 3,486	1,201,548	1,056	3,512	225	-	809	19,767,629	14,190	47,142	
2039	\$ 1,823	\$ 243	\$ 1,291	\$ 3,356	\$ 185	\$ 5	\$ 3,547	1,378,304	1,193	5,182	315	-	1,102	22,324,021	13,915	48,169	
2040	\$ 1,834	\$ 254	\$ 1,273	\$ 3,361	\$ 207	\$ 5	\$ 3,573	1,488,152	1,217	11,186	699	-	2,318	22,782,507	12,368	49,134	
2041	\$ 1,944	\$ 286	\$ 1,232	\$ 3,462	\$ 197	\$ 4	\$ 3,663	1,369,464	968	8,099	485	-	1,910	20,122,405	11,291	49,982	
2042	\$ 2,213	\$ 317	\$ 1,105	\$ 3,634	\$ 186	\$ 3	\$ 3,824	1,252,864	762	4,431	263	-	1,055	17,816,625	10,199	50,856	
2043	\$ 2,283	\$ 330	\$ 1,087	\$ 3,700	\$ 160	\$ 3	\$ 3,862	1,041,607	546	3,600	203	-	794	14,598,038	10,598	50,342	
2044	\$ 2,342	\$ 415	\$ 1,024	\$ 3,781	\$ 168	\$ 2	\$ 3,951	1,063,654	478	6,306	349	-	1,301	14,906,806	8,790	51,177	
2045	\$ 2,420	\$ 499	\$ 1,002	\$ 3,920	\$ 164	\$ 2	\$ 4,086	1,001,956	378	8,064	483	-	1,925	14,132,157	7,664	51,941	
2046	\$ 2,540	\$ 633	\$ 938	\$ 4,111	\$ 163	\$ 2	\$ 4,276	967,848	295	9,254	574	-	2,355	13,791,698	5,337	52,777	
2047	\$ 2,677	\$ 685	\$ 931	\$ 4,294	\$ 129	\$ 1	\$ 4,424	740,582	170	13,980	819	-	3,159	10,593,148	5,040	53,637	
2048	\$ 2,788	\$ 744	\$ 940	\$ 4,473	\$ 92	\$ 0	\$ 4,565	511,473	78	11,905	714	-	2,835	7,323,637	4,954	54,542	
2049	\$ 2,852	\$ 842	\$ 938	\$ 4,633	\$ 51	\$ 0	\$ 4,684	274,746	21	12,119	703	-	2,718	4,000,139	4,390	55,268	
2050	\$ 3,190	\$ 835	\$ 863	\$ 4,887	\$ -	\$ -	\$ 4,887	-	-	20,955	1,235	-	4,756	0	4,447	56,532	
2051	\$ 3,190	\$ 835	\$ 863	\$ 4,887	\$ -	\$ -	\$ 4,887	-	-	20,955	1,235	-	4,756	0	4,447	56,532	
2052	\$ 3,190	\$ 835	\$ 863	\$ 4,887	\$ -	\$ -	\$ 4,887	-	-	20,955	1,235	-	4,756	0	4,447	56,532	
2053	\$ 3,190	\$ 835	\$ 863	\$ 4,887	\$ -	\$ -	\$ 4,887	-	-	20,955	1,235	-	4,756	0	4,447	56,532	
2054	\$ 3,190	\$ 835	\$ 863	\$ 4,887	\$ -	\$ -	\$ 4,887	-	-	20,955	1,235	-	4,756	0	4,447	56,532	
2055	\$ 3,190	\$ 835	\$ 863	\$ 4,887	\$ -	\$ -	\$ 4,887	-	-	20,955	1,235	-	4,756	0	4,447	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 22,147	\$ 5,790	\$ 14,540	\$ 42,477	\$ 6,821	\$ 67	\$ 49,365	73,383,687	17,676	36,324	25,336	0.23	4,339	<< 2023-2030 sum			
2023-2055								101,815,185	38,540	303,175	41,386	0.23	65,248	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 3 - Least Cost Plan (\$0CO2), High Gas Sensitivity										Emissions					Native Load		
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,329	2,132	6,601	6,041	0.06	405	39,888,442	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,743	1,961	6,487	6,018	0.06	400	36,693,941	763	34,410	
2025	\$ 862	\$ 453	\$ 773	\$ 2,087	\$ 1,214	\$ 6	\$ 3,306	14,605,878	2,476	6,453	5,641	0.05	395	46,335,874	614	35,028	
2026	\$ 919	\$ 405	\$ 807	\$ 2,131	\$ 683	\$ 6	\$ 2,820	7,934,971	2,781	2,603	2,359	0.02	338	52,034,918	1,513	34,760	
2027	\$ 964	\$ 332	\$ 1,087	\$ 2,383	\$ 576	\$ 5	\$ 2,963	6,457,390	1,930	6,113	2,206	0.02	675	36,120,622	2,628	35,507	
2028	\$ 986	\$ 313	\$ 1,066	\$ 2,365	\$ 538	\$ 5	\$ 2,909	5,829,741	2,013	9,841	1,921	0.01	1,088	37,677,635	2,287	36,409	
2029	\$ 1,098	\$ 295	\$ 1,211	\$ 2,604	\$ 362	\$ 5	\$ 2,972	3,789,224	2,055	15,007	1,157	0.01	1,663	38,460,073	3,469	37,260	
2030	\$ 1,136	\$ 313	\$ 1,175	\$ 2,624	\$ 396	\$ 6	\$ 3,026	3,997,047	2,232	17,645	1,264	0.01	1,945	41,765,122	3,116	38,334	
2031	\$ 1,260	\$ 290	\$ 1,140	\$ 2,690	\$ 265	\$ 6	\$ 2,962	2,585,366	2,201	13,667	616	-	1,508	41,191,237	4,246	39,475	
2032	\$ 1,308	\$ 290	\$ 1,109	\$ 2,707	\$ 266	\$ 7	\$ 2,980	2,509,324	2,152	12,318	559	-	1,371	40,263,257	4,466	40,880	
2033	\$ 1,351	\$ 302	\$ 1,086	\$ 2,739	\$ 279	\$ 7	\$ 3,025	2,539,471	2,172	18,113	776	-	1,975	40,643,366	4,703	42,045	
2034	\$ 1,403	\$ 325	\$ 1,059	\$ 2,786	\$ 306	\$ 8	\$ 3,099	2,689,623	2,275	22,825	1,015	-	2,470	42,573,594	4,425	43,121	
2035	\$ 1,447	\$ 344	\$ 1,074	\$ 2,865	\$ 322	\$ 8	\$ 3,195	2,734,712	2,320	25,446	1,144	-	2,744	43,413,318	4,410	44,105	
2036	\$ 1,471	\$ 336	\$ 1,211	\$ 3,018	\$ 312	\$ 8	\$ 3,338	2,569,040	2,154	24,775	1,121	-	2,669	40,306,941	4,747	45,106	
2037	\$ 1,758	\$ 195	\$ 1,358	\$ 3,310	\$ 137	\$ 4	\$ 3,451	1,087,979	967	5,507	263	-	606	18,086,632	16,903	46,080	
2038	\$ 1,728	\$ 224	\$ 1,353	\$ 3,305	\$ 167	\$ 4	\$ 3,477	1,285,520	1,128	7,802	355	-	852	21,101,825	14,859	47,142	
2039	\$ 1,749	\$ 254	\$ 1,332	\$ 3,334	\$ 197	\$ 5	\$ 3,537	1,465,906	1,269	13,461	589	-	1,449	23,749,316	14,465	48,169	
2040	\$ 1,764	\$ 267	\$ 1,314	\$ 3,344	\$ 220	\$ 6	\$ 3,570	1,584,750	1,302	26,706	1,205	-	2,841	24,371,095	12,941	49,134	
2041	\$ 1,866	\$ 303	\$ 1,271	\$ 3,439	\$ 209	\$ 5	\$ 3,653	1,454,480	1,043	20,809	888	-	2,230	21,676,573	11,840	49,982	
2042	\$ 2,129	\$ 333	\$ 1,145	\$ 3,607	\$ 196	\$ 4	\$ 3,807	1,320,133	812	9,988	427	-	1,107	18,984,000	10,735	50,856	
2043	\$ 2,198	\$ 347	\$ 1,128	\$ 3,673	\$ 168	\$ 3	\$ 3,844	1,098,867	582	8,901	380	-	991	15,571,267	11,151	50,342	
2044	\$ 2,257	\$ 435	\$ 1,065	\$ 3,757	\$ 176	\$ 3	\$ 3,935	1,110,565	505	15,319	654	-	1,670	15,737,891	9,294	51,177	
2045	\$ 2,333	\$ 520	\$ 1,044	\$ 3,897	\$ 170	\$ 2	\$ 4,069	1,040,087	396	20,251	865	-	2,193	14,818,262	8,205	51,941	
2046	\$ 2,442	\$ 653	\$ 972	\$ 4,068	\$ 168	\$ 2	\$ 4,237	995,800	306	24,265	1,036	-	2,630	14,299,562	5,820	52,777	
2047	\$ 2,560	\$ 708	\$ 961	\$ 4,230	\$ 133	\$ 1	\$ 4,364	761,321	176	33,077	1,413	-	3,551	10,993,783	5,517	53,637	
2048	\$ 2,662	\$ 764	\$ 969	\$ 4,396	\$ 94	\$ 0	\$ 4,490	523,034	81	29,264	1,250	-	3,158	7,541,938	5,413	54,542	
2049	\$ 2,737	\$ 862	\$ 967	\$ 4,566	\$ 52	\$ 0	\$ 4,618	280,384	22	26,863	1,148	-	2,918	4,103,495	4,836	55,268	
2050	\$ 3,051	\$ 856	\$ 894	\$ 4,801	\$ -	\$ -	\$ 4,801	-	-	50,757	2,167	-	5,399	0	4,884	56,532	
2051	\$ 3,051	\$ 856	\$ 894	\$ 4,801	\$ -	\$ -	\$ 4,801	-	-	50,757	2,167	-	5,399	0	4,884	56,532	
2052	\$ 3,051	\$ 856	\$ 894	\$ 4,801	\$ -	\$ -	\$ 4,801	-	-	50,757	2,167	-	5,399	0	4,884	56,532	
2053	\$ 3,051	\$ 856	\$ 894	\$ 4,801	\$ -	\$ -	\$ 4,801	-	-	50,757	2,167	-	5,399	0	4,884	56,532	
2054	\$ 3,051	\$ 856	\$ 894	\$ 4,801	\$ -	\$ -	\$ 4,801	-	-	50,757	2,167	-	5,399	0	4,884	56,532	
2055	\$ 3,051	\$ 856	\$ 894	\$ 4,801	\$ -	\$ -	\$ 4,801	-	-	50,757	2,167	-	5,399	0	4,884	56,532	
			A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 21,294	\$ 5,886	\$ 14,919	\$ 42,099	\$ 6,859	\$ 69	\$ 49,027	73,048,323	17,580	70,750	26,608	0.23	6,908	<< 2023-2030 sum			
								102,684,685	39,441	734,646	55,315	0.23	78,236	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 6 - Lower Dispatchable Plan (\$0CO2), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)								Burn (MMBtu)	Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,416	2,132	6,601	6,041	0.06	405	39,888,437	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,416	1,961	6,487	6,018	0.06	400	36,693,933	761	34,410	
2025	\$ 866	\$ 453	\$ 773	\$ 2,092	\$ 1,214	\$ 6	\$ 3,311	14,605,745	2,475	6,454	5,641	0.05	395	46,308,183	615	35,028	
2026	\$ 896	\$ 395	\$ 783	\$ 2,074	\$ 673	\$ 6	\$ 2,753	7,819,818	2,662	2,573	2,375	0.02	333	49,805,729	1,601	34,760	
2027	\$ 982	\$ 308	\$ 1,142	\$ 2,431	\$ 549	\$ 4	\$ 2,985	6,160,705	1,680	2,219	2,017	0.02	283	31,444,415	2,736	35,507	
2028	\$ 1,079	\$ 268	\$ 1,158	\$ 2,506	\$ 488	\$ 4	\$ 2,998	5,282,434	1,564	2,044	1,598	0.01	294	29,261,223	2,431	36,409	
2029	\$ 1,225	\$ 249	\$ 1,276	\$ 2,750	\$ 311	\$ 4	\$ 3,065	3,248,859	1,584	1,266	609	0.01	268	29,642,979	3,532	37,260	
2030	\$ 1,264	\$ 263	\$ 1,231	\$ 2,758	\$ 338	\$ 5	\$ 3,101	3,417,396	1,721	1,267	608	0.01	276	32,208,997	3,133	38,334	
2031	\$ 1,387	\$ 247	\$ 1,188	\$ 2,823	\$ 215	\$ 5	\$ 3,043	2,096,039	1,777	1,243	105	-	289	33,247,784	4,463	39,475	
2032	\$ 1,435	\$ 252	\$ 1,141	\$ 2,827	\$ 220	\$ 5	\$ 3,052	2,069,359	1,778	2,380	187	-	528	33,267,473	4,768	40,880	
2033	\$ 1,477	\$ 263	\$ 1,109	\$ 2,849	\$ 231	\$ 6	\$ 3,085	2,101,545	1,799	2,897	202	-	615	33,661,495	5,034	42,045	
2034	\$ 1,528	\$ 282	\$ 1,077	\$ 2,887	\$ 255	\$ 6	\$ 3,149	2,243,503	1,897	3,635	276	-	828	35,494,982	4,738	43,121	
2035	\$ 1,573	\$ 297	\$ 1,104	\$ 2,975	\$ 268	\$ 7	\$ 3,250	2,282,796	1,927	5,786	427	-	1,330	36,059,499	4,703	44,105	
2036	\$ 1,598	\$ 290	\$ 1,294	\$ 3,182	\$ 260	\$ 6	\$ 3,448	2,135,246	1,784	4,389	358	-	1,056	33,392,652	5,066	45,106	
2037	\$ 1,876	\$ 166	\$ 1,472	\$ 3,513	\$ 104	\$ 3	\$ 3,621	830,670	742	1,186	125	-	275	13,878,207	17,327	46,080	
2038	\$ 1,846	\$ 190	\$ 1,473	\$ 3,509	\$ 130	\$ 3	\$ 3,643	1,000,978	882	2,154	184	-	547	16,496,349	15,480	47,142	
2039	\$ 1,873	\$ 216	\$ 1,450	\$ 3,540	\$ 156	\$ 4	\$ 3,699	1,158,284	1,008	2,272	185	-	512	18,860,238	15,056	48,169	
2040	\$ 1,876	\$ 223	\$ 1,430	\$ 3,529	\$ 173	\$ 4	\$ 3,707	1,246,799	1,014	7,367	526	-	1,667	18,971,981	13,459	49,134	
2041	\$ 1,990	\$ 249	\$ 1,388	\$ 3,627	\$ 165	\$ 4	\$ 3,796	1,150,660	804	5,632	377	-	1,340	16,722,143	12,367	49,982	
2042	\$ 2,266	\$ 274	\$ 1,257	\$ 3,797	\$ 157	\$ 3	\$ 3,956	1,055,554	631	2,101	178	-	625	14,761,544	11,271	50,856	
2043	\$ 2,338	\$ 282	\$ 1,237	\$ 3,857	\$ 134	\$ 2	\$ 3,993	871,769	447	2,017	170	-	569	11,951,543	11,699	50,342	
2044	\$ 2,396	\$ 355	\$ 1,175	\$ 3,926	\$ 142	\$ 2	\$ 4,070	897,683	396	4,792	310	-	1,030	12,339,249	9,774	51,177	
2045	\$ 2,480	\$ 424	\$ 1,148	\$ 4,052	\$ 139	\$ 2	\$ 4,193	849,068	313	6,350	407	-	1,427	11,696,686	8,640	51,941	
2046	\$ 2,608	\$ 542	\$ 1,061	\$ 4,211	\$ 140	\$ 1	\$ 4,352	829,383	248	7,178	464	-	1,683	11,593,626	6,155	52,777	
2047	\$ 2,744	\$ 589	\$ 1,036	\$ 4,370	\$ 111	\$ 1	\$ 4,481	637,008	144	10,020	607	-	2,140	8,952,305	5,871	53,637	
2048	\$ 2,849	\$ 643	\$ 1,039	\$ 4,531	\$ 80	\$ 0	\$ 4,611	442,499	67	9,102	575	-	2,098	6,230,989	5,793	54,542	
2049	\$ 2,909	\$ 727	\$ 1,035	\$ 4,671	\$ 44	\$ 0	\$ 4,715	238,223	18	9,102	573	-	2,096	3,408,517	5,203	55,268	
2050	\$ 3,238	\$ 722	\$ 954	\$ 4,914	\$ -	\$ -	\$ 4,914	-	-	17,162	1,040	-	3,828	0	5,300	56,532	
2051	\$ 3,238	\$ 722	\$ 954	\$ 4,914	\$ -	\$ -	\$ 4,914	-	-	17,162	1,040	-	3,828	0	5,300	56,532	
2052	\$ 3,238	\$ 722	\$ 954	\$ 4,914	\$ -	\$ -	\$ 4,914	-	-	17,162	1,040	-	3,828	0	5,300	56,532	
2053	\$ 3,238	\$ 722	\$ 954	\$ 4,914	\$ -	\$ -	\$ 4,914	-	-	17,162	1,040	-	3,828	0	5,300	56,532	
2054	\$ 3,238	\$ 722	\$ 954	\$ 4,914	\$ -	\$ -	\$ 4,914	-	-	17,162	1,040	-	3,828	0	5,300	56,532	
2055	\$ 3,238	\$ 722	\$ 954	\$ 4,914	\$ -	\$ -	\$ 4,914	-	-	17,162	1,040	-	3,828	0	5,300	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 22,641	\$ 5,241	\$ 15,673	\$ 43,555	\$ 6,434	\$ 59	\$ 50,048	70,969,790	15,778	28,910	24,908	0.23	2,654	<< 2023-2030 sum			
2023-2055								95,106,857	33,451	221,485	37,381	0.23	46,274	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 7 - High Project Labor Agreement (PLA) (\$0CO2), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of				Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GWh)	Energy Forecast (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)										
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,456	2,132	6,601	6,041	0.06	405	39,888,437	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,574	1,961	6,487	6,018	0.06	400	36,693,920	762	34,410	
2025	\$ 862	\$ 452	\$ 773	\$ 2,087	\$ 1,214	\$ 6	\$ 3,306	14,607,367	2,471	6,457	5,645	0.05	395	46,230,962	610	35,028	
2026	\$ 902	\$ 432	\$ 674	\$ 2,008	\$ 729	\$ 7	\$ 2,744	8,467,462	3,062	2,699	2,404	0.02	365	57,296,175	407	34,760	
2027	\$ 964	\$ 349	\$ 1,098	\$ 2,411	\$ 607	\$ 5	\$ 3,023	6,808,948	2,105	2,650	2,107	0.02	373	39,389,116	1,363	35,507	
2028	\$ 1,044	\$ 261	\$ 1,329	\$ 2,635	\$ 476	\$ 4	\$ 3,115	5,154,720	1,487	2,346	1,606	0.01	355	27,832,494	2,830	36,409	
2029	\$ 1,129	\$ 260	\$ 1,390	\$ 2,779	\$ 320	\$ 4	\$ 3,104	3,351,619	1,687	3,961	765	0.01	827	31,570,109	3,392	37,260	
2030	\$ 1,167	\$ 276	\$ 1,337	\$ 2,780	\$ 351	\$ 5	\$ 3,136	3,547,899	1,849	3,512	741	0.01	775	34,595,075	3,064	38,334	
2031	\$ 1,290	\$ 254	\$ 1,284	\$ 2,828	\$ 221	\$ 5	\$ 3,054	2,153,165	1,834	3,820	285	-	965	34,328,975	4,208	39,475	
2032	\$ 1,336	\$ 257	\$ 1,233	\$ 2,826	\$ 224	\$ 6	\$ 3,055	2,108,435	1,819	4,068	297	-	927	34,039,487	4,481	40,880	
2033	\$ 1,379	\$ 268	\$ 1,189	\$ 2,836	\$ 236	\$ 6	\$ 3,077	2,145,369	1,846	4,295	285	-	934	34,539,187	4,738	42,045	
2034	\$ 1,431	\$ 288	\$ 1,148	\$ 2,867	\$ 261	\$ 6	\$ 3,134	2,292,661	1,945	5,559	377	-	1,167	36,387,790	4,450	43,121	
2035	\$ 1,475	\$ 303	\$ 1,147	\$ 2,926	\$ 273	\$ 7	\$ 3,205	2,321,543	1,967	7,813	561	-	1,824	36,809,262	4,403	44,105	
2036	\$ 1,498	\$ 295	\$ 1,231	\$ 3,024	\$ 264	\$ 7	\$ 3,294	2,166,708	1,815	7,785	538	-	1,742	33,961,781	4,764	45,106	
2037	\$ 1,805	\$ 168	\$ 1,451	\$ 3,424	\$ 106	\$ 3	\$ 3,533	844,700	760	1,822	154	-	457	14,225,247	17,155	46,080	
2038	\$ 1,743	\$ 195	\$ 1,583	\$ 3,521	\$ 133	\$ 4	\$ 3,658	1,022,327	912	3,348	248	-	745	17,071,008	15,339	47,142	
2039	\$ 1,768	\$ 222	\$ 1,607	\$ 3,597	\$ 160	\$ 4	\$ 3,761	1,190,075	1,045	3,870	299	-	986	19,556,087	14,748	48,169	
2040	\$ 1,778	\$ 229	\$ 1,581	\$ 3,588	\$ 178	\$ 4	\$ 3,770	1,279,051	1,049	9,744	645	-	1,998	19,622,957	13,155	49,134	
2041	\$ 1,886	\$ 254	\$ 1,532	\$ 3,672	\$ 168	\$ 4	\$ 3,844	1,171,774	824	6,122	397	-	1,386	17,131,476	11,984	49,982	
2042	\$ 2,143	\$ 278	\$ 1,404	\$ 3,824	\$ 159	\$ 3	\$ 3,986	1,068,725	642	2,813	215	-	744	15,006,342	10,817	50,856	
2043	\$ 2,198	\$ 288	\$ 1,379	\$ 3,865	\$ 136	\$ 2	\$ 4,003	887,418	458	3,707	254	-	835	12,241,221	11,225	50,342	
2044	\$ 2,269	\$ 369	\$ 1,314	\$ 3,952	\$ 146	\$ 2	\$ 4,101	925,294	414	4,807	336	-	1,221	12,915,280	9,340	51,177	
2045	\$ 2,351	\$ 441	\$ 1,288	\$ 4,080	\$ 143	\$ 2	\$ 4,224	875,374	327	7,341	496	-	1,867	12,223,395	8,105	51,941	
2046	\$ 2,439	\$ 561	\$ 1,208	\$ 4,208	\$ 144	\$ 1	\$ 4,354	853,907	257	9,161	588	-	2,180	12,040,815	5,725	52,777	
2047	\$ 2,546	\$ 609	\$ 1,171	\$ 4,326	\$ 114	\$ 1	\$ 4,441	655,755	149	10,728	702	-	2,687	9,286,359	5,419	53,637	
2048	\$ 2,665	\$ 662	\$ 1,151	\$ 4,478	\$ 82	\$ 0	\$ 4,560	454,174	69	10,122	657	-	2,481	6,433,884	5,311	54,542	
2049	\$ 2,764	\$ 746	\$ 1,144	\$ 4,654	\$ 45	\$ 0	\$ 4,699	244,644	19	8,858	618	-	2,475	3,503,405	4,785	55,268	
2050	\$ 3,065	\$ 749	\$ 1,069	\$ 4,884	\$ -	\$ -	\$ 4,884	-	-	20,001	1,266	-	4,883	0	4,873	56,532	
2051	\$ 3,065	\$ 749	\$ 1,069	\$ 4,884	\$ -	\$ -	\$ 4,884	-	-	20,001	1,266	-	4,883	0	4,873	56,532	
2052	\$ 3,065	\$ 749	\$ 1,069	\$ 4,884	\$ -	\$ -	\$ 4,884	-	-	20,001	1,266	-	4,883	0	4,873	56,532	
2053	\$ 3,065	\$ 749	\$ 1,069	\$ 4,884	\$ -	\$ -	\$ 4,884	-	-	20,001	1,266	-	4,883	0	4,873	56,532	
2054	\$ 3,065	\$ 749	\$ 1,069	\$ 4,884	\$ -	\$ -	\$ 4,884	-	-	20,001	1,266	-	4,883	0	4,873	56,532	
2055	\$ 3,065	\$ 749	\$ 1,069	\$ 4,884	\$ -	\$ -	\$ 4,884	-	-	20,001	1,266	-	4,883	0	4,873	56,532	
				A	B	C	A + B + C										
NPV (\$M)	\$ 21,523	\$ 5,394	\$ 16,576	\$ 43,493	\$ 6,559	\$ 61	\$ 50,113	72,372,046	16,753	34,713	25,328	0.23	3,896	<< 2023-2030 sum			
2023-2055								97,033,143	34,902	270,500	40,880	0.23	60,817	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 8 - No New Gas Plan (\$0CO2), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +				Cost of			Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)							Burn (MMBtu)	Curtailment (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,009	2,132	6,601	6,041	0.06	405	39,888,440	560	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,056	1,961	6,487	6,018	0.06	400	36,693,932	762	34,410	
2025	\$ 866	\$ 452	\$ 773	\$ 2,091	\$ 1,214	\$ 6	\$ 3,310	14,605,865	2,468	6,457	5,644	0.05	395	46,177,882	611	35,028	
2026	\$ 976	\$ 342	\$ 686	\$ 2,004	\$ 612	\$ 5	\$ 2,620	7,105,976	2,077	2,406	2,256	0.02	299	38,871,646	4,086	34,760	
2027	\$ 1,109	\$ 229	\$ 1,266	\$ 2,604	\$ 438	\$ 2	\$ 3,044	4,914,183	907	1,835	1,843	0.02	193	16,970,479	6,008	35,507	
2028	\$ 1,208	\$ 182	\$ 1,326	\$ 2,716	\$ 347	\$ 2	\$ 3,065	3,758,814	751	1,390	1,347	0.01	156	14,044,815	6,624	36,409	
2029	\$ 1,319	\$ 177	\$ 1,391	\$ 2,887	\$ 223	\$ 2	\$ 3,112	2,327,611	842	646	534	0.01	114	15,762,618	6,584	37,260	
2030	\$ 1,351	\$ 187	\$ 1,320	\$ 2,857	\$ 241	\$ 3	\$ 3,101	2,433,726	930	662	535	0.01	120	17,410,098	6,151	38,334	
2031	\$ 1,477	\$ 175	\$ 1,241	\$ 2,893	\$ 123	\$ 3	\$ 3,019	1,204,943	1,052	201	9	-	61	19,690,822	7,798	39,475	
2032	\$ 1,525	\$ 181	\$ 1,171	\$ 2,877	\$ 130	\$ 3	\$ 3,010	1,221,296	1,084	207	9	-	63	20,290,119	8,139	40,880	
2033	\$ 1,565	\$ 191	\$ 1,121	\$ 2,877	\$ 139	\$ 4	\$ 3,020	1,268,871	1,126	216	10	-	66	21,075,512	8,389	42,045	
2034	\$ 1,615	\$ 203	\$ 1,075	\$ 2,893	\$ 156	\$ 4	\$ 3,052	1,369,878	1,191	227	10	-	70	22,287,350	8,034	43,121	
2035	\$ 1,661	\$ 211	\$ 1,096	\$ 2,969	\$ 163	\$ 4	\$ 3,136	1,389,064	1,195	232	14	-	70	22,368,623	7,901	44,105	
2036	\$ 1,688	\$ 206	\$ 1,326	\$ 3,220	\$ 156	\$ 4	\$ 3,380	1,283,120	1,097	218	45	-	64	20,536,498	8,454	45,106	
2037	\$ 1,971	\$ 132	\$ 1,650	\$ 3,753	\$ 62	\$ 2	\$ 3,817	489,541	479	106	5	-	22	8,968,379	22,173	46,080	
2038	\$ 1,943	\$ 146	\$ 1,735	\$ 3,823	\$ 78	\$ 2	\$ 3,903	598,246	560	124	15	-	28	10,477,208	20,354	47,142	
2039	\$ 1,968	\$ 165	\$ 1,734	\$ 3,867	\$ 96	\$ 3	\$ 3,966	714,163	657	139	10	-	34	12,302,871	19,615	48,169	
2040	\$ 1,970	\$ 158	\$ 1,706	\$ 3,833	\$ 103	\$ 3	\$ 3,939	739,651	593	113	47	-	39	11,099,090	17,872	49,134	
2041	\$ 2,083	\$ 167	\$ 1,660	\$ 3,910	\$ 96	\$ 2	\$ 4,008	665,285	443	89	3	-	37	9,216,963	16,701	49,982	
2042	\$ 2,349	\$ 181	\$ 1,525	\$ 4,055	\$ 91	\$ 2	\$ 4,148	613,147	347	75	3	-	38	8,118,613	15,467	50,856	
2043	\$ 2,409	\$ 182	\$ 1,500	\$ 4,092	\$ 77	\$ 1	\$ 4,170	500,245	240	69	3	-	34	6,421,720	15,920	50,342	
2044	\$ 2,473	\$ 233	\$ 1,435	\$ 4,142	\$ 85	\$ 1	\$ 4,228	538,109	228	93	4	-	44	7,110,142	13,721	51,177	
2045	\$ 2,561	\$ 277	\$ 1,398	\$ 4,236	\$ 85	\$ 1	\$ 4,322	518,406	184	109	5	-	51	6,870,655	12,417	51,941	
2046	\$ 2,693	\$ 349	\$ 1,304	\$ 4,346	\$ 87	\$ 1	\$ 4,433	513,881	147	139	6	-	64	6,871,491	9,609	52,777	
2047	\$ 2,819	\$ 375	\$ 1,259	\$ 4,453	\$ 69	\$ 0	\$ 4,523	394,369	85	147	6	-	66	5,288,179	9,279	53,637	
2048	\$ 2,913	\$ 414	\$ 1,253	\$ 4,579	\$ 50	\$ 0	\$ 4,630	277,526	40	157	6	-	70	3,757,115	9,137	54,542	
2049	\$ 2,996	\$ 473	\$ 1,243	\$ 4,712	\$ 28	\$ 0	\$ 4,740	152,324	11	170	7	-	79	2,100,129	8,436	55,268	
2050	\$ 3,294	\$ 479	\$ 1,158	\$ 4,930	\$ -	\$ -	\$ 4,930	-	-	187	7	-	78	0	8,527	56,532	
2051	\$ 3,294	\$ 479	\$ 1,158	\$ 4,930	\$ -	\$ -	\$ 4,930	-	-	187	7	-	78	0	8,527	56,532	
2052	\$ 3,294	\$ 479	\$ 1,158	\$ 4,930	\$ -	\$ -	\$ 4,930	-	-	187	7	-	78	0	8,527	56,532	
2053	\$ 3,294	\$ 479	\$ 1,158	\$ 4,930	\$ -	\$ -	\$ 4,930	-	-	187	7	-	78	0	8,527	56,532	
2054	\$ 3,294	\$ 479	\$ 1,158	\$ 4,930	\$ -	\$ -	\$ 4,930	-	-	187	7	-	78	0	8,527	56,532	
2055	\$ 3,294	\$ 479	\$ 1,158	\$ 4,930	\$ -	\$ -	\$ 4,930	-	-	187	7	-	78	0	8,527	56,532	
			A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 23,685	\$ 4,077	\$ 17,164	\$ 44,926	\$ 5,562	\$ 41	\$ 50,529	65,580,241	12,068	26,484	24,218	0.23	2,081	<< 2023-2030 sum			
								80,032,305	22,829	30,431	24,476	0.23	3,550	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 11 - With May Valley Plan (\$0CO2), High Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,090	2,132	6,601	6,041	0.06	405	39,888,435	560	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,860	1,961	6,487	6,018	0.06	400	36,693,939	760	34,410	
2025	\$ 862	\$ 453	\$ 773	\$ 2,087	\$ 1,214	\$ 6	\$ 3,306	14,606,571	2,477	6,453	5,641	0.05	395	46,346,371	614	35,028	
2026	\$ 898	\$ 423	\$ 808	\$ 2,130	\$ 707	\$ 7	\$ 2,844	8,213,686	2,978	2,670	2,406	0.02	351	55,721,640	2,536	34,760	
2027	\$ 926	\$ 306	\$ 1,195	\$ 2,427	\$ 541	\$ 4	\$ 2,972	6,065,956	1,666	4,255	2,114	0.02	684	31,171,032	3,318	35,507	
2028	\$ 924	\$ 274	\$ 1,208	\$ 2,406	\$ 489	\$ 4	\$ 2,899	5,291,562	1,621	7,484	1,878	0.01	1,301	30,327,810	3,450	36,409	
2029	\$ 1,000	\$ 277	\$ 1,307	\$ 2,584	\$ 341	\$ 5	\$ 2,929	3,564,909	1,867	8,266	1,001	0.01	1,587	34,936,986	3,618	37,260	
2030	\$ 1,037	\$ 294	\$ 1,253	\$ 2,584	\$ 372	\$ 6	\$ 2,961	3,760,508	2,035	10,020	1,087	0.01	1,870	38,081,994	3,269	38,334	
2031	\$ 1,162	\$ 271	\$ 1,202	\$ 2,635	\$ 243	\$ 6	\$ 2,884	2,366,900	2,015	10,796	580	-	1,699	37,713,723	4,430	39,475	
2032	\$ 1,209	\$ 272	\$ 1,148	\$ 2,630	\$ 244	\$ 6	\$ 2,880	2,300,629	1,978	7,901	462	-	1,324	37,019,499	4,666	40,880	
2033	\$ 1,253	\$ 285	\$ 1,108	\$ 2,646	\$ 257	\$ 6	\$ 2,909	2,344,405	2,006	9,866	542	-	1,620	37,541,945	4,950	42,045	
2034	\$ 1,305	\$ 306	\$ 1,068	\$ 2,678	\$ 283	\$ 7	\$ 2,969	2,492,771	2,108	10,990	694	-	2,359	39,455,877	4,674	43,121	
2035	\$ 1,349	\$ 324	\$ 1,072	\$ 2,744	\$ 298	\$ 7	\$ 3,050	2,533,007	2,149	15,261	882	-	2,638	40,219,016	4,636	44,105	
2036	\$ 1,374	\$ 315	\$ 1,227	\$ 2,916	\$ 288	\$ 7	\$ 3,211	2,371,765	1,983	14,850	888	-	2,732	37,110,862	5,004	45,106	
2037	\$ 1,656	\$ 184	\$ 1,504	\$ 3,344	\$ 124	\$ 3	\$ 3,472	985,371	880	4,005	257	-	657	16,466,664	17,328	46,080	
2038	\$ 1,625	\$ 211	\$ 1,582	\$ 3,418	\$ 153	\$ 4	\$ 3,575	1,177,475	1,038	5,991	356	-	1,026	19,421,325	15,464	47,142	
2039	\$ 1,650	\$ 241	\$ 1,588	\$ 3,479	\$ 182	\$ 5	\$ 3,666	1,355,517	1,181	8,268	515	-	1,649	22,104,238	14,889	48,169	
2040	\$ 1,664	\$ 251	\$ 1,564	\$ 3,480	\$ 203	\$ 5	\$ 3,688	1,459,012	1,201	17,572	1,014	-	3,032	22,478,854	13,331	49,134	
2041	\$ 1,767	\$ 283	\$ 1,519	\$ 3,569	\$ 192	\$ 4	\$ 3,766	1,338,172	955	11,355	645	-	2,115	19,857,082	12,201	49,982	
2042	\$ 2,029	\$ 310	\$ 1,386	\$ 3,724	\$ 180	\$ 3	\$ 3,908	1,213,453	740	7,641	441	-	1,403	17,311,932	11,086	50,856	
2043	\$ 2,087	\$ 322	\$ 1,364	\$ 3,773	\$ 155	\$ 3	\$ 3,930	1,009,585	530	6,175	353	-	1,048	14,173,111	11,489	50,342	
2044	\$ 2,154	\$ 406	\$ 1,297	\$ 3,858	\$ 163	\$ 2	\$ 4,023	1,029,541	466	10,158	572	-	1,838	14,525,288	9,628	51,177	
2045	\$ 2,235	\$ 484	\$ 1,271	\$ 3,989	\$ 158	\$ 2	\$ 4,149	965,395	365	13,554	747	-	2,417	13,647,271	8,426	51,941	
2046	\$ 2,353	\$ 611	\$ 1,194	\$ 4,158	\$ 157	\$ 2	\$ 4,317	929,955	284	15,868	861	-	2,790	13,265,402	6,084	52,777	
2047	\$ 2,470	\$ 662	\$ 1,180	\$ 4,311	\$ 124	\$ 1	\$ 4,436	711,752	163	20,751	1,125	-	3,697	10,196,470	5,778	53,637	
2048	\$ 2,564	\$ 713	\$ 1,185	\$ 4,462	\$ 88	\$ 0	\$ 4,550	487,914	75	19,599	1,080	-	3,613	6,983,210	5,638	54,542	
2049	\$ 2,652	\$ 800	\$ 1,180	\$ 4,632	\$ 49	\$ 0	\$ 4,681	261,566	20	18,192	995	-	3,295	3,786,724	5,072	55,268	
2050	\$ 2,998	\$ 796	\$ 1,100	\$ 4,894	\$ -	\$ -	\$ 4,894	-	-	29,148	1,604	-	5,458	0	5,152	56,532	
2051	\$ 2,998	\$ 796	\$ 1,100	\$ 4,894	\$ -	\$ -	\$ 4,894	-	-	29,148	1,604	-	5,458	0	5,152	56,532	
2052	\$ 2,998	\$ 796	\$ 1,100	\$ 4,894	\$ -	\$ -	\$ 4,894	-	-	29,148	1,604	-	5,458	0	5,152	56,532	
2053	\$ 2,998	\$ 796	\$ 1,100	\$ 4,894	\$ -	\$ -	\$ 4,894	-	-	29,148	1,604	-	5,458	0	5,152	56,532	
2054	\$ 2,998	\$ 796	\$ 1,100	\$ 4,894	\$ -	\$ -	\$ 4,894	-	-	29,148	1,604	-	5,458	0	5,152	56,532	
2055	\$ 2,998	\$ 796	\$ 1,100	\$ 4,894	\$ -	\$ -	\$ 4,894	-	-	29,148	1,604	-	5,458	0	5,152	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 20,331	\$ 5,610	\$ 16,371	\$ 42,311	\$ 6,664	\$ 64	\$ 49,040	71,937,142	16,735	52,237	26,188	0.23	6,993	<< 2023-2030 sum			
								99,271,327	36,874	455,918	48,818	0.23	80,693	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Low Gas SCC Portfolios

Portfolio: 1 - Preferred Plan (SCC), Low Gas Sensitivity										<u>Emissions</u>							
Year	Capital +				Cost of											Native Load	
	Other Costs	Fuel Costs	O&M Costs	TOTAL PVRR	Cost of CO2	Methane Tons	TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy Forecast (GW/h)	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,372	2,132	6,601	6,041	3,000	405	39,888,444	558	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,770	1,961	6,487	6,018	3,000	400	36,693,931	764	34,410	
2025	\$ 869	\$ 414	\$ 774	\$ 2,057	\$ 1,197	\$ 6	\$ 3,260	14,411,774	2,526	6,317	5,465	3,000	392	47,276,559	621	35,028	
2026	\$ 948	\$ 315	\$ 772	\$ 2,035	\$ 623	\$ 5	\$ 2,663	7,240,397	2,348	2,388	2,158	3,000	307	43,943,181	3,672	34,760	
2027	\$ 994	\$ 232	\$ 1,211	\$ 2,438	\$ 472	\$ 3	\$ 2,912	5,289,114	1,283	2,831	1,851	3,000	375	24,005,631	5,144	35,507	
2028	\$ 959	\$ 211	\$ 1,339	\$ 2,509	\$ 437	\$ 4	\$ 2,949	4,730,683	1,389	6,597	1,736	3,000	1,189	25,986,463	5,376	36,409	
2029	\$ 1,017	\$ 208	\$ 1,336	\$ 2,561	\$ 311	\$ 4	\$ 2,876	3,248,364	1,608	8,838	1,041	3,000	1,691	30,099,685	5,446	37,260	
2030	\$ 1,052	\$ 220	\$ 1,280	\$ 2,553	\$ 340	\$ 5	\$ 2,897	3,431,663	1,769	11,055	1,159	3,000	2,100	33,102,283	5,049	38,334	
2031	\$ 1,197	\$ 187	\$ 1,217	\$ 2,601	\$ 199	\$ 5	\$ 2,806	1,944,911	1,659	6,783	412	3,000	1,342	31,040,930	6,491	39,475	
2032	\$ 1,208	\$ 200	\$ 1,159	\$ 2,567	\$ 225	\$ 6	\$ 2,798	2,119,675	1,829	10,578	626	3,000	2,089	34,229,730	6,033	40,880	
2033	\$ 1,271	\$ 191	\$ 1,117	\$ 2,579	\$ 212	\$ 5	\$ 2,796	1,931,643	1,670	8,803	507	3,000	1,500	31,247,201	7,588	42,045	
2034	\$ 1,351	\$ 187	\$ 1,075	\$ 2,612	\$ 212	\$ 5	\$ 2,829	1,867,314	1,592	5,756	344	3,000	1,076	29,790,598	7,842	43,121	
2035	\$ 1,408	\$ 187	\$ 1,081	\$ 2,676	\$ 214	\$ 5	\$ 2,896	1,824,245	1,563	7,844	472	3,000	1,524	29,242,151	8,137	44,105	
2036	\$ 1,402	\$ 192	\$ 1,251	\$ 2,845	\$ 232	\$ 6	\$ 3,083	1,907,935	1,605	9,998	571	3,000	1,739	30,043,084	7,524	45,106	
2037	\$ 1,665	\$ 134	\$ 1,540	\$ 3,340	\$ 118	\$ 3	\$ 3,461	934,693	836	4,541	268	3,000	726	15,635,586	18,948	46,080	
2038	\$ 1,642	\$ 147	\$ 1,621	\$ 3,409	\$ 145	\$ 4	\$ 3,557	1,112,208	978	5,153	301	3,000	825	18,306,664	17,045	47,142	
2039	\$ 1,668	\$ 160	\$ 1,626	\$ 3,453	\$ 173	\$ 5	\$ 3,631	1,285,162	1,118	6,617	447	3,000	1,525	20,917,557	16,404	48,169	
2040	\$ 1,723	\$ 157	\$ 1,600	\$ 3,479	\$ 187	\$ 5	\$ 3,671	1,346,190	1,101	8,321	508	3,000	1,493	20,608,374	14,788	49,134	
2041	\$ 1,821	\$ 179	\$ 1,555	\$ 3,555	\$ 172	\$ 4	\$ 3,731	1,198,640	813	7,403	420	3,000	1,289	16,898,052	13,597	49,982	
2042	\$ 2,062	\$ 207	\$ 1,421	\$ 3,690	\$ 162	\$ 3	\$ 3,855	1,092,820	634	3,926	248	3,000	756	14,822,702	12,448	50,856	
2043	\$ 2,118	\$ 229	\$ 1,400	\$ 3,748	\$ 141	\$ 2	\$ 3,891	921,038	464	3,564	224	3,000	643	12,409,058	12,873	50,342	
2044	\$ 2,175	\$ 298	\$ 1,337	\$ 3,810	\$ 149	\$ 2	\$ 3,960	940,421	414	6,568	383	3,000	1,193	12,897,339	10,925	51,177	
2045	\$ 2,245	\$ 373	\$ 1,307	\$ 3,926	\$ 146	\$ 2	\$ 4,073	892,319	331	9,619	521	3,000	1,582	12,380,998	9,713	51,941	
2046	\$ 2,331	\$ 482	\$ 1,218	\$ 4,030	\$ 144	\$ 1	\$ 4,175	851,419	255	11,710	634	3,000	1,990	11,926,029	7,217	52,777	
2047	\$ 2,440	\$ 542	\$ 1,190	\$ 4,172	\$ 114	\$ 1	\$ 4,287	657,298	147	15,987	890	3,000	2,966	9,198,968	6,558	53,637	
2048	\$ 2,482	\$ 651	\$ 1,179	\$ 4,312	\$ 88	\$ 0	\$ 4,400	487,326	73	18,127	1,019	3,000	3,472	6,863,305	5,945	54,542	
2049	\$ 2,594	\$ 736	\$ 1,173	\$ 4,503	\$ 47	\$ 0	\$ 4,550	254,015	19	16,406	871	3,000	2,760	3,606,066	5,556	55,268	
2050	\$ 2,973	\$ 751	\$ 1,093	\$ 4,818	\$ -	\$ -	\$ 4,818	-	-	27,137	1,454	3,000	4,777	0	5,141	56,532	
2051	\$ 2,973	\$ 751	\$ 1,093	\$ 4,818	\$ -	\$ -	\$ 4,818	-	-	27,137	1,454	3,000	4,777	0	5,141	56,532	
2052	\$ 2,973	\$ 751	\$ 1,093	\$ 4,818	\$ -	\$ -	\$ 4,818	-	-	27,137	1,454	3,000	4,777	0	5,141	56,532	
2053	\$ 2,973	\$ 751	\$ 1,093	\$ 4,818	\$ -	\$ -	\$ 4,818	-	-	27,137	1,454	3,000	4,777	0	5,141	56,532	
2054	\$ 2,973	\$ 751	\$ 1,093	\$ 4,818	\$ -	\$ -	\$ 4,818	-	-	27,137	1,454	3,000	4,777	0	5,141	56,532	
2055	\$ 2,973	\$ 751	\$ 1,093	\$ 4,818	\$ -	\$ -	\$ 4,818	-	-	27,137	1,454	3,000	4,777	0	5,141	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 20,589	\$ 4,580	\$ 16,636	\$ 41,805	\$ 6,241	\$ 56	\$ 48,102	68,786,138	15,016	51,114	25,469	0.23	6,859	<< 2023-2030 sum			
2023-2055								92,355,407	32,117	381,641	43,859	0.23	66,012	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Sale, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 2 - Inverse 1324 Plan (SCC), Low Gas Sensitivity										Emissions						Native Load		
Year	Capital +			TOTAL PVRR (\$M)	Cost of CO2 (\$/Tons)	Methane Tons	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GW/h)	Energy (GWh)		
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)															
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,372	2,132	6,601	6,041	0.06	405	39,888,444	558	33,906		
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,770	1,961	6,487	6,018	0.06	400	36,693,931	764	34,410		
2025	\$ 869	\$ 414	\$ 774	\$ 2,057	\$ 1,197	\$ 6	\$ 3,260	14,411,774	2,526	6,317	5,465	0.05	392	47,276,559	621	35,028		
2026	\$ 948	\$ 315	\$ 772	\$ 2,035	\$ 623	\$ 5	\$ 2,663	7,240,406	2,348	2,388	2,158	0.02	307	43,943,307	3,673	34,760		
2027	\$ 994	\$ 232	\$ 1,211	\$ 2,438	\$ 472	\$ 3	\$ 2,912	5,288,995	1,283	2,738	1,851	0.02	394	24,005,595	5,144	35,507		
2028	\$ 966	\$ 209	\$ 1,322	\$ 2,497	\$ 432	\$ 3	\$ 2,933	4,681,175	1,372	6,742	1,699	0.01	1,144	25,683,513	5,483	36,409		
2029	\$ 1,025	\$ 207	\$ 1,305	\$ 2,537	\$ 309	\$ 4	\$ 2,850	3,230,430	1,597	8,582	1,002	0.01	1,751	29,892,377	5,577	37,260		
2030	\$ 1,061	\$ 219	\$ 1,249	\$ 2,529	\$ 338	\$ 5	\$ 2,872	3,411,742	1,755	11,173	1,122	0.01	2,091	32,832,057	5,171	38,334		
2031	\$ 1,206	\$ 186	\$ 1,184	\$ 2,576	\$ 197	\$ 5	\$ 2,777	1,923,129	1,642	6,743	377	-	1,382	30,729,617	6,620	39,475		
2032	\$ 1,217	\$ 199	\$ 1,126	\$ 2,541	\$ 222	\$ 5	\$ 2,769	2,094,514	1,809	11,063	575	-	1,908	33,848,380	6,154	40,880		
2033	\$ 1,279	\$ 189	\$ 1,085	\$ 2,554	\$ 209	\$ 5	\$ 2,768	1,907,257	1,650	8,426	489	-	1,722	30,867,652	7,713	42,045		
2034	\$ 1,359	\$ 186	\$ 1,043	\$ 2,588	\$ 210	\$ 5	\$ 2,802	1,845,176	1,575	5,761	309	-	1,109	29,482,281	7,948	43,121		
2035	\$ 1,417	\$ 186	\$ 1,050	\$ 2,653	\$ 212	\$ 5	\$ 2,870	1,801,709	1,546	6,959	421	-	1,618	28,923,852	8,246	44,105		
2036	\$ 1,410	\$ 191	\$ 1,221	\$ 2,821	\$ 229	\$ 6	\$ 3,057	1,885,902	1,589	9,930	547	-	1,860	29,743,055	7,645	45,106		
2037	\$ 1,675	\$ 134	\$ 1,507	\$ 3,316	\$ 116	\$ 3	\$ 3,435	923,972	829	3,870	228	-	857	15,517,404	19,141	46,080		
2038	\$ 1,651	\$ 146	\$ 1,584	\$ 3,381	\$ 143	\$ 4	\$ 3,528	1,098,694	968	4,720	258	-	896	18,112,697	17,189	47,142		
2039	\$ 1,676	\$ 159	\$ 1,588	\$ 3,422	\$ 171	\$ 5	\$ 3,598	1,270,189	1,107	6,959	407	-	1,447	20,706,608	16,545	48,169		
2040	\$ 1,731	\$ 156	\$ 1,561	\$ 3,448	\$ 185	\$ 5	\$ 3,637	1,329,811	1,089	8,400	473	-	1,510	20,380,991	14,924	49,134		
2041	\$ 1,829	\$ 178	\$ 1,517	\$ 3,524	\$ 170	\$ 4	\$ 3,698	1,184,484	803	7,310	376	-	1,272	16,706,407	13,725	49,982		
2042	\$ 2,070	\$ 205	\$ 1,384	\$ 3,658	\$ 160	\$ 3	\$ 3,821	1,077,982	624	3,898	206	-	740	14,596,546	12,574	50,856		
2043	\$ 2,126	\$ 227	\$ 1,363	\$ 3,716	\$ 139	\$ 2	\$ 3,857	908,662	458	3,210	175	-	660	12,230,776	12,992	50,342		
2044	\$ 2,182	\$ 296	\$ 1,300	\$ 3,777	\$ 147	\$ 2	\$ 3,927	929,279	408	6,544	338	-	1,165	12,736,638	11,049	51,177		
2045	\$ 2,253	\$ 369	\$ 1,270	\$ 3,893	\$ 144	\$ 2	\$ 4,039	882,061	327	8,773	468	-	1,658	12,230,834	9,821	51,941		
2046	\$ 2,339	\$ 477	\$ 1,181	\$ 3,997	\$ 142	\$ 1	\$ 4,140	841,919	252	10,928	568	-	1,955	11,785,934	7,318	52,777		
2047	\$ 2,449	\$ 536	\$ 1,154	\$ 4,138	\$ 113	\$ 1	\$ 4,252	649,916	146	16,160	840	-	2,851	9,085,789	6,655	53,637		
2048	\$ 2,490	\$ 644	\$ 1,142	\$ 4,276	\$ 87	\$ 0	\$ 4,363	481,690	72	18,266	969	-	3,368	6,774,884	6,031	54,542		
2049	\$ 2,602	\$ 728	\$ 1,136	\$ 4,466	\$ 47	\$ 0	\$ 4,513	251,273	19	15,061	813	-	2,900	3,562,238	5,647	55,268		
2050	\$ 2,981	\$ 742	\$ 1,056	\$ 4,779	\$ -	\$ -	\$ 4,779	-	-	26,234	1,381	-	4,716	0	5,222	56,532		
2051	\$ 2,981	\$ 742	\$ 1,056	\$ 4,779	\$ -	\$ -	\$ 4,779	-	-	26,234	1,381	-	4,716	0	5,222	56,532		
2052	\$ 2,981	\$ 742	\$ 1,056	\$ 4,779	\$ -	\$ -	\$ 4,779	-	-	26,234	1,381	-	4,716	0	5,222	56,532		
2053	\$ 2,981	\$ 742	\$ 1,056	\$ 4,779	\$ -	\$ -	\$ 4,779	-	-	26,234	1,381	-	4,716	0	5,222	56,532		
2054	\$ 2,981	\$ 742	\$ 1,056	\$ 4,779	\$ -	\$ -	\$ 4,779	-	-	26,234	1,381	-	4,716	0	5,222	56,532		
2055	\$ 2,981	\$ 742	\$ 1,056	\$ 4,779	\$ -	\$ -	\$ 4,779	-	-	26,234	1,381	-	4,716	0	5,222	56,532		
			A	B	C	A + B + C												
NPV (\$M) 2023-2055	\$ 20,671	\$ 4,555	\$ 16,304	\$ 41,529	\$ 6,221	\$ 56	\$ 47,806	68,698,664	14,974	51,029	25,356	0.23	6,884	<< 2023-2030 sum				
								91,986,282	31,887	371,417	42,477	0.23	66,059	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 3 - Least Cost Plan (SCC), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of CO2 Tons (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy Forecast (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)														
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,145	2,132	6,601	6,041	0.06	405	39,888,431	556	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,367	1,961	6,487	6,018	0.06	400	36,693,920	763	34,410	
2025	\$ 869	\$ 414	\$ 774	\$ 2,057	\$ 1,197	\$ 6	\$ 3,260	14,411,728	2,526	6,317	5,465	0.05	392	47,276,727	621	35,028	
2026	\$ 948	\$ 315	\$ 772	\$ 2,035	\$ 623	\$ 5	\$ 2,663	7,240,362	2,348	2,388	2,158	0.02	307	43,942,633	3,670	34,760	
2027	\$ 1,011	\$ 232	\$ 1,178	\$ 2,421	\$ 471	\$ 3	\$ 2,896	5,287,537	1,283	2,458	1,827	0.02	273	24,001,898	5,141	35,507	
2028	\$ 1,021	\$ 203	\$ 1,267	\$ 2,491	\$ 419	\$ 3	\$ 2,914	4,536,586	1,304	4,602	1,526	0.01	513	24,394,462	5,501	36,409	
2029	\$ 1,097	\$ 197	\$ 1,249	\$ 2,544	\$ 294	\$ 4	\$ 2,841	3,071,750	1,457	5,383	749	0.01	633	27,274,194	5,641	37,260	
2030	\$ 1,134	\$ 208	\$ 1,194	\$ 2,536	\$ 321	\$ 4	\$ 2,861	3,239,953	1,601	6,178	775	0.01	722	29,950,997	5,230	38,334	
2031	\$ 1,278	\$ 178	\$ 1,127	\$ 2,583	\$ 184	\$ 4	\$ 2,771	1,790,806	1,529	5,150	220	-	595	28,603,422	6,755	39,475	
2032	\$ 1,290	\$ 190	\$ 1,070	\$ 2,550	\$ 208	\$ 5	\$ 2,762	1,956,273	1,684	7,076	310	-	805	31,520,435	6,287	40,880	
2033	\$ 1,352	\$ 182	\$ 1,031	\$ 2,564	\$ 196	\$ 5	\$ 2,765	1,783,461	1,543	6,625	290	-	750	28,875,475	7,858	42,045	
2034	\$ 1,431	\$ 178	\$ 991	\$ 2,600	\$ 196	\$ 5	\$ 2,802	1,727,990	1,478	3,076	131	-	377	27,650,804	8,102	43,121	
2035	\$ 1,490	\$ 178	\$ 999	\$ 2,666	\$ 198	\$ 5	\$ 2,869	1,682,197	1,437	5,491	240	-	627	26,895,405	8,390	44,105	
2036	\$ 1,482	\$ 183	\$ 1,171	\$ 2,836	\$ 215	\$ 5	\$ 3,056	1,767,129	1,486	6,850	304	-	770	27,805,368	7,779	45,106	
2037	\$ 1,747	\$ 128	\$ 1,458	\$ 3,334	\$ 107	\$ 3	\$ 3,443	848,135	760	2,600	114	-	294	14,230,133	19,370	46,080	
2038	\$ 1,719	\$ 140	\$ 1,537	\$ 3,396	\$ 132	\$ 3	\$ 3,531	1,011,591	895	3,783	167	-	423	16,743,908	17,408	47,142	
2039	\$ 1,744	\$ 152	\$ 1,542	\$ 3,438	\$ 158	\$ 4	\$ 3,600	1,178,368	1,029	5,226	232	-	579	19,255,268	16,775	48,169	
2040	\$ 1,796	\$ 149	\$ 1,517	\$ 3,462	\$ 171	\$ 4	\$ 3,637	1,230,792	1,005	6,092	287	-	681	18,803,413	15,126	49,134	
2041	\$ 1,901	\$ 167	\$ 1,475	\$ 3,543	\$ 157	\$ 3	\$ 3,704	1,094,736	730	5,336	227	-	599	15,171,890	13,906	49,982	
2042	\$ 2,141	\$ 193	\$ 1,346	\$ 3,681	\$ 149	\$ 3	\$ 3,832	1,002,895	573	2,576	110	-	316	13,408,753	12,765	50,856	
2043	\$ 2,197	\$ 213	\$ 1,326	\$ 3,736	\$ 129	\$ 2	\$ 3,867	843,858	420	2,585	111	-	315	11,215,206	13,178	50,342	
2044	\$ 2,253	\$ 279	\$ 1,263	\$ 3,794	\$ 138	\$ 2	\$ 3,934	870,421	379	4,848	207	-	561	11,806,095	11,213	51,177	
2045	\$ 2,323	\$ 349	\$ 1,234	\$ 3,906	\$ 136	\$ 2	\$ 4,043	829,785	305	6,647	284	-	758	11,402,834	9,966	51,941	
2046	\$ 2,414	\$ 452	\$ 1,146	\$ 4,011	\$ 134	\$ 1	\$ 4,147	796,189	236	8,609	368	-	976	11,058,493	7,441	52,777	
2047	\$ 2,532	\$ 507	\$ 1,120	\$ 4,159	\$ 107	\$ 1	\$ 4,267	615,341	137	12,365	528	-	1,369	8,534,343	6,781	53,637	
2048	\$ 2,585	\$ 611	\$ 1,109	\$ 4,304	\$ 82	\$ 0	\$ 4,387	458,006	68	14,387	615	-	1,591	6,392,086	6,162	54,542	
2049	\$ 2,697	\$ 691	\$ 1,103	\$ 4,491	\$ 44	\$ 0	\$ 4,536	239,225	18	12,037	514	-	1,353	3,365,226	5,763	55,268	
2050	\$ 3,048	\$ 706	\$ 1,023	\$ 4,777	\$ -	\$ -	\$ 4,777	-	-	20,625	880	-	2,239	0	5,347	56,532	
2051	\$ 3,048	\$ 706	\$ 1,023	\$ 4,777	\$ -	\$ -	\$ 4,777	-	-	20,625	880	-	2,239	0	5,347	56,532	
2052	\$ 3,048	\$ 706	\$ 1,023	\$ 4,777	\$ -	\$ -	\$ 4,777	-	-	20,625	880	-	2,239	0	5,347	56,532	
2053	\$ 3,048	\$ 706	\$ 1,023	\$ 4,777	\$ -	\$ -	\$ 4,777	-	-	20,625	880	-	2,239	0	5,347	56,532	
2054	\$ 3,048	\$ 706	\$ 1,023	\$ 4,777	\$ -	\$ -	\$ 4,777	-	-	20,625	880	-	2,239	0	5,347	56,532	
2055	\$ 3,048	\$ 706	\$ 1,023	\$ 4,777	\$ -	\$ -	\$ 4,777	-	-	20,625	880	-	2,239	0	5,347	56,532	
				A	B	C	A + B + C										
NPV (\$M)	\$ 21,396	\$ 4,421	\$ 15,807	\$ 41,624	\$ 6,109	\$ 53	\$ 47,786	68,222,427	14,611	40,416	24,559	0.23	3,643	<< 2023-2030 sum			
2023-2055								89,949,625	30,322	285,525	35,101	0.23	30,819	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 6 - Lower Dispatchable Plan (SCC), Low Gas Sensitivity										Emissions						Native Load		
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)		
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)								Burn (MMBtu)	Curtailement (GWh)			
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,372	2,132	6,601	6,041	0.06	405	39,888,444	558	33,906		
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,807	1,961	6,487	6,018	0.06	400	36,693,942	762	34,410		
2025	\$ 874	\$ 414	\$ 774	\$ 2,062	\$ 1,197	\$ 6	\$ 3,265	14,409,225	2,522	6,316	5,459	0.05	392	47,191,194	621	35,028		
2026	\$ 958	\$ 315	\$ 772	\$ 2,045	\$ 624	\$ 5	\$ 2,674	7,243,651	2,349	2,392	2,167	0.02	307	43,960,831	3,676	34,760		
2027	\$ 1,018	\$ 227	\$ 1,201	\$ 2,446	\$ 456	\$ 3	\$ 2,906	5,116,828	1,226	2,708	1,804	0.01	355	22,948,957	5,500	35,507		
2028	\$ 995	\$ 204	\$ 1,317	\$ 2,517	\$ 413	\$ 3	\$ 2,934	4,476,516	1,334	5,560	1,630	0.01	1,098	24,961,810	5,985	36,409		
2029	\$ 1,050	\$ 203	\$ 1,314	\$ 2,567	\$ 300	\$ 4	\$ 2,872	3,139,905	1,533	6,535	952	0.01	1,436	28,690,826	6,025	37,260		
2030	\$ 1,085	\$ 214	\$ 1,259	\$ 2,559	\$ 328	\$ 5	\$ 2,891	3,315,928	1,684	8,275	1,063	0.01	1,892	31,515,845	5,611	38,334		
2031	\$ 1,230	\$ 181	\$ 1,191	\$ 2,601	\$ 187	\$ 5	\$ 2,793	1,826,886	1,568	4,959	333	-	1,095	29,338,212	7,056	39,475		
2032	\$ 1,241	\$ 192	\$ 1,132	\$ 2,565	\$ 211	\$ 5	\$ 2,781	1,984,979	1,715	7,394	489	-	1,723	32,096,057	6,578	40,880		
2033	\$ 1,304	\$ 184	\$ 1,091	\$ 2,579	\$ 199	\$ 5	\$ 2,783	1,811,663	1,575	6,334	434	-	1,379	29,470,791	8,116	42,045		
2034	\$ 1,383	\$ 180	\$ 1,049	\$ 2,613	\$ 199	\$ 5	\$ 2,817	1,751,088	1,503	4,265	285	-	915	28,129,085	8,301	43,121		
2035	\$ 1,442	\$ 181	\$ 1,056	\$ 2,680	\$ 201	\$ 5	\$ 2,886	1,710,857	1,476	5,563	383	-	1,331	27,625,753	8,667	44,105		
2036	\$ 1,435	\$ 186	\$ 1,227	\$ 2,847	\$ 218	\$ 5	\$ 3,070	1,790,362	1,518	6,694	479	-	1,596	28,404,312	8,075	45,106		
2037	\$ 1,704	\$ 131	\$ 1,516	\$ 3,351	\$ 110	\$ 3	\$ 3,464	877,844	792	3,250	230	-	658	14,821,128	19,694	46,080		
2038	\$ 1,676	\$ 143	\$ 1,596	\$ 3,414	\$ 136	\$ 4	\$ 3,554	1,044,177	924	3,351	252	-	783	17,299,880	17,772	47,142		
2039	\$ 1,702	\$ 155	\$ 1,602	\$ 3,460	\$ 163	\$ 4	\$ 3,627	1,212,412	1,062	5,380	350	-	1,040	19,874,425	17,103	48,169		
2040	\$ 1,757	\$ 152	\$ 1,577	\$ 3,486	\$ 176	\$ 4	\$ 3,666	1,265,438	1,042	4,840	369	-	1,153	19,492,692	15,456	49,134		
2041	\$ 1,855	\$ 172	\$ 1,533	\$ 3,560	\$ 161	\$ 3	\$ 3,725	1,123,807	764	5,116	329	-	1,090	15,884,692	14,238	49,982		
2042	\$ 2,096	\$ 196	\$ 1,399	\$ 3,691	\$ 151	\$ 3	\$ 3,845	1,016,920	587	2,869	205	-	656	13,723,463	13,046	50,856		
2043	\$ 2,153	\$ 217	\$ 1,378	\$ 3,748	\$ 131	\$ 2	\$ 3,881	856,428	429	2,852	197	-	595	11,476,299	13,483	50,342		
2044	\$ 2,208	\$ 283	\$ 1,314	\$ 3,804	\$ 139	\$ 2	\$ 3,945	879,419	385	3,923	280	-	987	12,013,552	11,502	51,177		
2045	\$ 2,284	\$ 353	\$ 1,285	\$ 3,921	\$ 137	\$ 2	\$ 4,059	836,906	309	5,735	384	-	1,380	11,569,181	10,225	51,941		
2046	\$ 2,369	\$ 455	\$ 1,195	\$ 4,019	\$ 135	\$ 1	\$ 4,155	798,664	238	6,784	441	-	1,592	11,139,582	7,685	52,777		
2047	\$ 2,483	\$ 509	\$ 1,168	\$ 4,160	\$ 107	\$ 1	\$ 4,268	616,236	137	9,889	625	-	2,290	8,561,850	7,017	53,637		
2048	\$ 2,525	\$ 610	\$ 1,157	\$ 4,292	\$ 82	\$ 0	\$ 4,374	456,725	68	11,842	734	-	2,686	6,377,538	6,403	54,542		
2049	\$ 2,634	\$ 691	\$ 1,150	\$ 4,475	\$ 44	\$ 0	\$ 4,519	238,811	18	9,927	623	-	2,289	3,364,204	5,988	55,268		
2050	\$ 3,041	\$ 701	\$ 1,070	\$ 4,812	\$ -	\$ -	\$ 4,812	-	-	15,822	968	-	3,574	0	5,552	56,532		
2051	\$ 3,041	\$ 701	\$ 1,070	\$ 4,812	\$ -	\$ -	\$ 4,812	-	-	15,822	968	-	3,574	0	5,552	56,532		
2052	\$ 3,041	\$ 701	\$ 1,070	\$ 4,812	\$ -	\$ -	\$ 4,812	-	-	15,822	968	-	3,574	0	5,552	56,532		
2053	\$ 3,041	\$ 701	\$ 1,070	\$ 4,812	\$ -	\$ -	\$ 4,812	-	-	15,822	968	-	3,574	0	5,552	56,532		
2054	\$ 3,041	\$ 701	\$ 1,070	\$ 4,812	\$ -	\$ -	\$ 4,812	-	-	15,822	968	-	3,574	0	5,552	56,532		
2055	\$ 3,041	\$ 701	\$ 1,070	\$ 4,812	\$ -	\$ -	\$ 4,812	-	-	15,822	968	-	3,574	0	5,552	56,532		
				A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 21,000	\$ 4,438	\$ 16,392	\$ 41,829	\$ 6,122	\$ 54	\$ 48,005	68,136,233	14,741	44,875	25,135	0.23	6,285	<< 2023-2030 sum				
								90,235,856	30,852	250,772	38,363	0.23	52,965	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 7 - High Project Labor Agreement (PLA) (SCC), Low Gas Sensitivity										Emissions						Native Load	
Capital +				Cost of										Forecast			
Year	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GWh)	Energy (GWh)	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,145	2,132	6,601	6,041	0.06	405	39,888,431	556	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,346	1,961	6,487	6,018	0.06	400	36,693,915	765	34,410	
2025	\$ 869	\$ 414	\$ 772	\$ 2,056	\$ 1,197	\$ 6	\$ 3,259	14,412,886	2,528	6,318	5,465	0.05	392	47,302,470	621	35,028	
2026	\$ 883	\$ 338	\$ 824	\$ 2,044	\$ 662	\$ 6	\$ 2,712	7,687,966	2,659	2,491	2,234	0.02	328	49,755,072	1,756	34,760	
2027	\$ 927	\$ 257	\$ 1,234	\$ 2,418	\$ 517	\$ 4	\$ 2,939	5,797,952	1,603	2,964	1,935	0.02	457	29,995,620	4,388	35,507	
2028	\$ 980	\$ 205	\$ 1,375	\$ 2,560	\$ 418	\$ 3	\$ 2,982	4,527,495	1,337	4,664	1,590	0.01	896	25,009,974	5,858	36,409	
2029	\$ 1,036	\$ 202	\$ 1,361	\$ 2,600	\$ 301	\$ 4	\$ 2,905	3,147,651	1,529	5,173	854	0.01	1,063	28,611,995	5,971	37,260	
2030	\$ 1,069	\$ 213	\$ 1,291	\$ 2,573	\$ 328	\$ 5	\$ 2,906	3,316,169	1,671	6,331	931	0.01	1,429	31,270,869	5,576	38,334	
2031	\$ 1,213	\$ 182	\$ 1,217	\$ 2,612	\$ 190	\$ 5	\$ 2,807	1,856,418	1,588	4,544	301	-	956	29,714,318	7,072	39,475	
2032	\$ 1,224	\$ 194	\$ 1,155	\$ 2,572	\$ 214	\$ 5	\$ 2,792	2,017,502	1,741	7,374	485	-	1,745	32,587,503	6,593	40,880	
2033	\$ 1,287	\$ 185	\$ 1,103	\$ 2,575	\$ 202	\$ 5	\$ 2,782	1,842,748	1,596	5,534	389	-	1,334	29,865,464	8,113	42,045	
2034	\$ 1,367	\$ 182	\$ 1,054	\$ 2,603	\$ 203	\$ 5	\$ 2,810	1,784,786	1,527	3,921	284	-	1,021	28,573,798	8,331	43,121	
2035	\$ 1,424	\$ 182	\$ 1,079	\$ 2,684	\$ 205	\$ 5	\$ 2,894	1,740,779	1,493	5,472	373	-	1,287	27,945,791	8,647	44,105	
2036	\$ 1,416	\$ 187	\$ 1,263	\$ 2,866	\$ 222	\$ 6	\$ 3,093	1,821,894	1,537	6,407	435	-	1,502	28,760,055	8,100	45,106	
2037	\$ 1,696	\$ 132	\$ 1,561	\$ 3,390	\$ 113	\$ 3	\$ 3,506	898,402	805	2,303	182	-	560	15,072,495	19,665	46,080	
2038	\$ 1,651	\$ 144	\$ 1,708	\$ 3,503	\$ 139	\$ 4	\$ 3,646	1,067,905	943	3,722	253	-	774	17,650,118	17,793	47,142	
2039	\$ 1,677	\$ 156	\$ 1,724	\$ 3,557	\$ 166	\$ 4	\$ 3,728	1,233,939	1,078	4,809	339	-	1,119	20,166,921	17,131	48,169	
2040	\$ 1,731	\$ 153	\$ 1,695	\$ 3,579	\$ 179	\$ 4	\$ 3,762	1,289,195	1,055	6,263	426	-	1,335	19,749,774	15,461	49,134	
2041	\$ 1,832	\$ 174	\$ 1,649	\$ 3,654	\$ 165	\$ 3	\$ 3,822	1,148,140	776	4,701	315	-	1,081	16,131,637	14,269	49,982	
2042	\$ 2,066	\$ 202	\$ 1,518	\$ 3,786	\$ 156	\$ 3	\$ 3,945	1,054,424	611	2,555	197	-	667	14,292,691	13,074	50,856	
2043	\$ 2,122	\$ 223	\$ 1,491	\$ 3,836	\$ 136	\$ 2	\$ 3,974	887,033	446	2,254	180	-	594	11,928,990	13,494	50,342	
2044	\$ 2,179	\$ 290	\$ 1,426	\$ 3,895	\$ 144	\$ 2	\$ 4,041	907,286	398	4,990	317	-	1,040	12,404,580	11,509	51,177	
2045	\$ 2,250	\$ 361	\$ 1,398	\$ 4,009	\$ 141	\$ 2	\$ 4,151	860,454	318	5,917	386	-	1,359	11,909,751	10,247	51,941	
2046	\$ 2,317	\$ 466	\$ 1,303	\$ 4,086	\$ 138	\$ 1	\$ 4,226	820,755	245	6,674	431	-	1,545	11,469,789	7,715	52,777	
2047	\$ 2,422	\$ 523	\$ 1,276	\$ 4,222	\$ 110	\$ 1	\$ 4,333	634,210	142	10,605	638	-	2,244	8,847,985	7,051	53,637	
2048	\$ 2,481	\$ 630	\$ 1,262	\$ 4,373	\$ 85	\$ 0	\$ 4,459	471,086	71	12,071	753	-	2,783	6,616,030	6,392	54,542	
2049	\$ 2,591	\$ 712	\$ 1,253	\$ 4,556	\$ 46	\$ 0	\$ 4,602	245,820	19	9,899	640	-	2,417	3,479,820	6,028	55,268	
2050	\$ 2,971	\$ 725	\$ 1,168	\$ 4,864	\$ -	\$ -	\$ 4,864	-	-	16,544	1,010	-	3,730	0	5,587	56,532	
2051	\$ 2,971	\$ 725	\$ 1,168	\$ 4,864	\$ -	\$ -	\$ 4,864	-	-	16,544	1,010	-	3,730	0	5,587	56,532	
2052	\$ 2,971	\$ 725	\$ 1,168	\$ 4,864	\$ -	\$ -	\$ 4,864	-	-	16,544	1,010	-	3,730	0	5,587	56,532	
2053	\$ 2,971	\$ 725	\$ 1,168	\$ 4,864	\$ -	\$ -	\$ 4,864	-	-	16,544	1,010	-	3,730	0	5,587	56,532	
2054	\$ 2,971	\$ 725	\$ 1,168	\$ 4,864	\$ -	\$ -	\$ 4,864	-	-	16,544	1,010	-	3,730	0	5,587	56,532	
2055	\$ 2,971	\$ 725	\$ 1,168	\$ 4,864	\$ -	\$ -	\$ 4,864	-	-	16,544	1,010	-	3,730	0	5,587	56,532	
			A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 20,592	\$ 4,532	\$ 17,120	\$ 42,244	\$ 6,229	\$ 56	\$ 48,529	69,324,610	15,419	41,030	25,068	0.23	5,371	<< 2023-2030 sum			
								91,907,388	31,808	250,310	38,451	0.23	53,113	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 8 - No New Gas Plan (SCC), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Emissions					Native Load Forecast		
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 (\$M)	Methane Tons (\$M)	TOTAL (\$M)			Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy (GWh)
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,291	2,132	6,601	6,041	0.06	405	39,888,422	562	33,906	
2024	\$ 833	\$ 438	\$ 754	\$ 2,025	\$ 1,210	\$ 4	\$ 3,239	15,089,413	1,951	6,477	6,010	0.06	399	36,506,789	781	34,410	
2025	\$ 875	\$ 412	\$ 772	\$ 2,060	\$ 1,195	\$ 6	\$ 3,260	14,379,234	2,502	6,309	5,455	0.05	391	46,816,120	628	35,028	
2026	\$ 983	\$ 294	\$ 685	\$ 1,963	\$ 598	\$ 5	\$ 2,565	6,944,107	2,038	2,327	2,138	0.02	292	38,132,208	4,099	34,760	
2027	\$ 1,136	\$ 198	\$ 1,266	\$ 2,601	\$ 406	\$ 2	\$ 3,009	4,552,169	875	1,694	1,684	0.01	176	16,373,802	6,136	35,507	
2028	\$ 1,250	\$ 152	\$ 1,327	\$ 2,729	\$ 300	\$ 2	\$ 3,032	3,253,285	744	1,199	1,145	0.01	130	13,926,724	6,788	36,409	
2029	\$ 1,359	\$ 147	\$ 1,392	\$ 2,898	\$ 196	\$ 2	\$ 3,096	2,052,268	802	554	440	0.01	99	15,015,850	6,893	37,260	
2030	\$ 1,388	\$ 154	\$ 1,321	\$ 2,863	\$ 221	\$ 2	\$ 3,087	2,237,659	868	602	481	0.01	109	16,241,089	6,467	38,334	
2031	\$ 1,533	\$ 134	\$ 1,242	\$ 2,909	\$ 108	\$ 3	\$ 3,020	1,056,430	917	175	8	-	52	17,163,049	8,417	39,475	
2032	\$ 1,545	\$ 145	\$ 1,173	\$ 2,862	\$ 129	\$ 3	\$ 2,994	1,211,791	1,058	201	11	-	61	19,806,649	7,949	40,880	
2033	\$ 1,607	\$ 141	\$ 1,122	\$ 2,870	\$ 122	\$ 3	\$ 2,995	1,110,128	984	186	8	-	56	18,404,379	9,510	42,045	
2034	\$ 1,687	\$ 139	\$ 1,075	\$ 2,901	\$ 123	\$ 3	\$ 3,028	1,085,953	949	181	8	-	54	17,750,350	9,767	43,121	
2035	\$ 1,747	\$ 138	\$ 1,098	\$ 2,983	\$ 124	\$ 3	\$ 3,110	1,057,008	917	179	8	-	51	17,157,566	10,062	44,105	
2036	\$ 1,742	\$ 141	\$ 1,327	\$ 3,211	\$ 134	\$ 3	\$ 3,348	1,100,114	937	182	8	-	53	17,540,116	9,643	45,106	
2037	\$ 2,001	\$ 105	\$ 1,652	\$ 3,758	\$ 60	\$ 2	\$ 3,820	480,914	461	101	5	-	21	8,634,024	21,843	46,080	
2038	\$ 1,975	\$ 113	\$ 1,737	\$ 3,824	\$ 78	\$ 2	\$ 3,904	596,256	549	121	11	-	27	10,276,670	19,992	47,142	
2039	\$ 2,002	\$ 122	\$ 1,736	\$ 3,860	\$ 96	\$ 3	\$ 3,958	712,461	646	135	6	-	33	12,097,954	19,200	48,169	
2040	\$ 2,057	\$ 113	\$ 1,707	\$ 3,877	\$ 101	\$ 2	\$ 3,980	726,280	569	96	6	-	38	10,649,074	17,486	49,134	
2041	\$ 2,159	\$ 118	\$ 1,662	\$ 3,939	\$ 89	\$ 2	\$ 4,030	621,998	377	74	3	-	31	7,839,577	16,252	49,982	
2042	\$ 2,409	\$ 133	\$ 1,527	\$ 4,068	\$ 87	\$ 1	\$ 4,156	583,593	299	61	3	-	33	7,002,961	15,047	50,856	
2043	\$ 2,469	\$ 141	\$ 1,502	\$ 4,112	\$ 74	\$ 1	\$ 4,187	484,177	214	58	3	-	30	5,716,345	15,477	50,342	
2044	\$ 2,528	\$ 185	\$ 1,437	\$ 4,151	\$ 84	\$ 1	\$ 4,236	529,273	212	81	4	-	41	6,618,563	13,295	51,177	
2045	\$ 2,611	\$ 231	\$ 1,400	\$ 4,242	\$ 85	\$ 1	\$ 4,327	519,363	177	98	4	-	49	6,632,106	11,978	51,941	
2046	\$ 2,730	\$ 298	\$ 1,306	\$ 4,335	\$ 87	\$ 1	\$ 4,422	513,359	142	126	6	-	62	6,644,136	9,215	52,777	
2047	\$ 2,845	\$ 332	\$ 1,261	\$ 4,439	\$ 69	\$ 0	\$ 4,509	399,062	83	138	6	-	64	5,152,608	8,533	53,637	
2048	\$ 2,899	\$ 411	\$ 1,255	\$ 4,565	\$ 55	\$ 0	\$ 4,620	308,151	43	165	7	-	76	4,044,008	7,812	54,542	
2049	\$ 3,004	\$ 463	\$ 1,245	\$ 4,712	\$ 30	\$ 0	\$ 4,742	161,732	11	172	7	-	81	2,137,948	7,386	55,268	
2050	\$ 3,342	\$ 482	\$ 1,160	\$ 4,984	\$ -	\$ -	\$ 4,984	-	-	186	7	-	80	0	6,968	56,532	
2051	\$ 3,342	\$ 482	\$ 1,160	\$ 4,984	\$ -	\$ -	\$ 4,984	-	-	186	7	-	80	0	6,968	56,532	
2052	\$ 3,342	\$ 482	\$ 1,160	\$ 4,984	\$ -	\$ -	\$ 4,984	-	-	186	7	-	80	0	6,968	56,532	
2053	\$ 3,342	\$ 482	\$ 1,160	\$ 4,984	\$ -	\$ -	\$ 4,984	-	-	186	7	-	80	0	6,968	56,532	
2054	\$ 3,342	\$ 482	\$ 1,160	\$ 4,984	\$ -	\$ -	\$ 4,984	-	-	186	7	-	80	0	6,968	56,532	
2055	\$ 3,342	\$ 482	\$ 1,160	\$ 4,984	\$ -	\$ -	\$ 4,984	-	-	186	7	-	80	0	6,968	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 24,188	\$ 3,602	\$ 17,178	\$ 44,968	\$ 5,374	\$ 38	\$ 50,381	63,822,426	11,912	25,762	23,394	0.22	2,001	<< 2023-2030 sum			
								77,080,469	21,458	29,412	23,557	0.22	3,396	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 11 - Without May Valley Plan (SCC), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)								Burn (MMBtu)	Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,096	2,132	6,601	6,041	0.06	405	39,888,424	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,977	1,961	6,487	6,018	0.06	400	36,693,940	764	34,410	
2025	\$ 869	\$ 414	\$ 774	\$ 2,057	\$ 1,197	\$ 6	\$ 3,260	14,411,774	2,526	6,317	5,465	0.05	392	47,276,610	621	35,028	
2026	\$ 957	\$ 304	\$ 806	\$ 2,067	\$ 605	\$ 5	\$ 2,677	7,031,282	2,197	2,345	2,134	0.02	296	41,105,703	3,104	34,760	
2027	\$ 1,017	\$ 241	\$ 1,176	\$ 2,433	\$ 488	\$ 3	\$ 2,925	5,476,756	1,386	2,598	1,869	0.02	372	25,938,001	5,105	35,507	
2028	\$ 1,046	\$ 216	\$ 1,244	\$ 2,506	\$ 452	\$ 4	\$ 2,962	4,890,711	1,427	4,019	1,647	0.01	798	26,701,296	4,964	36,409	
2029	\$ 1,139	\$ 207	\$ 1,259	\$ 2,605	\$ 310	\$ 4	\$ 2,920	3,247,709	1,599	5,112	845	0.01	1,105	29,917,517	5,570	37,260	
2030	\$ 1,176	\$ 219	\$ 1,213	\$ 2,607	\$ 339	\$ 5	\$ 2,951	3,421,616	1,749	5,026	837	0.01	1,100	32,723,293	5,143	38,334	
2031	\$ 1,319	\$ 188	\$ 1,156	\$ 2,663	\$ 201	\$ 5	\$ 2,869	1,961,543	1,673	4,002	265	-	880	31,300,104	6,626	39,475	
2032	\$ 1,331	\$ 199	\$ 1,107	\$ 2,638	\$ 225	\$ 6	\$ 2,868	2,122,478	1,822	7,104	477	-	1,735	34,100,722	6,162	40,880	
2033	\$ 1,394	\$ 189	\$ 1,076	\$ 2,659	\$ 211	\$ 5	\$ 2,875	1,919,515	1,652	6,083	423	-	1,483	30,905,058	7,697	42,045	
2034	\$ 1,473	\$ 186	\$ 1,043	\$ 2,701	\$ 211	\$ 5	\$ 2,918	1,858,401	1,582	4,229	291	-	1,009	29,610,929	7,906	43,121	
2035	\$ 1,530	\$ 186	\$ 1,071	\$ 2,787	\$ 213	\$ 5	\$ 3,006	1,813,181	1,550	5,348	364	-	1,267	29,006,832	8,180	44,105	
2036	\$ 1,523	\$ 192	\$ 1,274	\$ 2,988	\$ 232	\$ 6	\$ 3,227	1,911,200	1,603	6,917	458	-	1,558	29,998,900	7,599	45,106	
2037	\$ 1,783	\$ 133	\$ 1,474	\$ 3,391	\$ 116	\$ 3	\$ 3,510	924,630	822	1,896	156	-	458	15,382,756	19,000	46,080	
2038	\$ 1,761	\$ 145	\$ 1,483	\$ 3,389	\$ 142	\$ 4	\$ 3,534	1,091,094	957	3,167	245	-	825	17,903,359	17,048	47,142	
2039	\$ 1,785	\$ 158	\$ 1,460	\$ 3,403	\$ 170	\$ 4	\$ 3,578	1,261,911	1,096	4,766	337	-	1,095	20,510,210	16,452	48,169	
2040	\$ 1,839	\$ 155	\$ 1,439	\$ 3,433	\$ 184	\$ 5	\$ 3,621	1,321,020	1,077	5,249	375	-	1,206	20,160,886	14,825	49,134	
2041	\$ 1,941	\$ 177	\$ 1,398	\$ 3,517	\$ 170	\$ 4	\$ 3,690	1,184,381	799	4,351	285	-	936	16,609,324	13,646	49,982	
2042	\$ 2,182	\$ 206	\$ 1,269	\$ 3,658	\$ 161	\$ 3	\$ 3,822	1,087,310	630	2,125	165	-	520	14,735,820	12,530	50,856	
2043	\$ 2,248	\$ 228	\$ 1,250	\$ 3,727	\$ 140	\$ 2	\$ 3,869	915,585	462	1,894	157	-	500	12,352,398	12,942	50,342	
2044	\$ 2,295	\$ 295	\$ 1,188	\$ 3,778	\$ 147	\$ 2	\$ 3,927	931,197	408	3,706	248	-	802	12,723,020	10,969	51,177	
2045	\$ 2,366	\$ 368	\$ 1,161	\$ 3,895	\$ 144	\$ 2	\$ 4,041	882,743	325	5,555	375	-	1,357	12,180,870	9,768	51,941	
2046	\$ 2,456	\$ 477	\$ 1,074	\$ 4,007	\$ 142	\$ 1	\$ 4,151	843,611	252	6,948	446	-	1,605	11,782,652	7,238	52,777	
2047	\$ 2,577	\$ 539	\$ 1,050	\$ 4,166	\$ 114	\$ 1	\$ 4,281	654,197	147	9,518	605	-	2,229	9,150,494	6,598	53,637	
2048	\$ 2,631	\$ 649	\$ 1,039	\$ 4,319	\$ 87	\$ 0	\$ 4,407	486,033	73	10,832	699	-	2,647	6,841,032	6,012	54,542	
2049	\$ 2,731	\$ 735	\$ 1,034	\$ 4,500	\$ 47	\$ 0	\$ 4,548	253,580	19	10,727	661	-	2,403	3,604,393	5,599	55,268	
2050	\$ 3,097	\$ 750	\$ 953	\$ 4,800	\$ -	\$ -	\$ 4,800	-	-	17,686	1,088	-	4,065	0	5,167	56,532	
2051	\$ 3,097	\$ 750	\$ 953	\$ 4,800	\$ -	\$ -	\$ 4,800	-	-	17,686	1,088	-	4,065	0	5,167	56,532	
2052	\$ 3,097	\$ 750	\$ 953	\$ 4,800	\$ -	\$ -	\$ 4,800	-	-	17,686	1,088	-	4,065	0	5,167	56,532	
2053	\$ 3,097	\$ 750	\$ 953	\$ 4,800	\$ -	\$ -	\$ 4,800	-	-	17,686	1,088	-	4,065	0	5,167	56,532	
2054	\$ 3,097	\$ 750	\$ 953	\$ 4,800	\$ -	\$ -	\$ 4,800	-	-	17,686	1,088	-	4,065	0	5,167	56,532	
2055	\$ 3,097	\$ 750	\$ 953	\$ 4,800	\$ -	\$ -	\$ 4,800	-	-	17,686	1,088	-	4,065	0	5,167	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 21,821	\$ 4,570	\$ 15,696	\$ 42,087	\$ 6,243	\$ 56	\$ 48,385	68,913,922	14,976	38,506	24,857	0.23	4,868	<< 2023-2030 sum			
								92,337,530	31,925	249,039	38,414	0.23	53,772	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Low Gas \$0CO2 Portfolios

Portfolio: 1 - Preferred Plan (\$0CO2), Low Gas Sensitivity										Emissions							
Year	Capital +			Cost of								Native Load					
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy Forecast (GW/h)	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,945	2,132	6,601	6,041	0.06	405	39,888,446	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,169	1,961	6,487	6,018	0.06	400	36,693,920	765	34,410	
2025	\$ 868	\$ 412	\$ 772	\$ 2,053	\$ 1,197	\$ 6	\$ 3,255	14,407,131	2,492	6,335	5,487	0.05	392	46,637,580	609	35,028	
2026	\$ 899	\$ 358	\$ 790	\$ 2,046	\$ 695	\$ 7	\$ 2,749	8,077,254	2,943	2,599	2,304	0.02	346	55,080,167	987	34,760	
2027	\$ 975	\$ 289	\$ 1,100	\$ 2,364	\$ 579	\$ 5	\$ 2,948	6,496,142	2,018	2,863	1,992	0.02	404	37,755,034	1,903	35,507	
2028	\$ 1,046	\$ 257	\$ 1,073	\$ 2,375	\$ 542	\$ 5	\$ 2,922	5,867,477	1,975	4,239	1,742	0.02	722	36,950,022	1,647	36,409	
2029	\$ 1,165	\$ 237	\$ 1,199	\$ 2,601	\$ 365	\$ 5	\$ 2,971	3,813,085	2,030	2,594	691	0.01	605	37,993,224	2,476	37,260	
2030	\$ 1,203	\$ 251	\$ 1,163	\$ 2,617	\$ 401	\$ 6	\$ 3,023	4,047,892	2,228	3,530	743	0.01	814	41,690,500	2,226	38,334	
2031	\$ 1,324	\$ 224	\$ 1,127	\$ 2,675	\$ 268	\$ 6	\$ 2,949	2,614,268	2,192	5,719	356	-	1,197	41,012,350	3,235	39,475	
2032	\$ 1,373	\$ 223	\$ 1,095	\$ 2,690	\$ 270	\$ 7	\$ 2,966	2,540,920	2,152	5,109	353	-	1,174	40,263,988	3,440	40,880	
2033	\$ 1,416	\$ 227	\$ 1,074	\$ 2,717	\$ 282	\$ 7	\$ 3,006	2,568,893	2,171	6,528	418	-	1,441	40,626,083	3,670	42,045	
2034	\$ 1,464	\$ 237	\$ 1,048	\$ 2,749	\$ 310	\$ 8	\$ 3,067	2,729,804	2,278	6,863	470	-	1,580	42,628,567	3,419	43,121	
2035	\$ 1,509	\$ 243	\$ 1,063	\$ 2,815	\$ 326	\$ 8	\$ 3,149	2,774,198	2,316	9,305	645	-	2,225	43,343,986	3,419	44,105	
2036	\$ 1,532	\$ 233	\$ 1,201	\$ 2,966	\$ 316	\$ 8	\$ 3,290	2,601,971	2,147	9,284	615	-	2,027	40,169,135	3,730	45,106	
2037	\$ 1,831	\$ 138	\$ 1,350	\$ 3,320	\$ 129	\$ 3	\$ 3,453	1,027,734	889	2,231	159	-	416	16,643,454	15,425	46,080	
2038	\$ 1,798	\$ 154	\$ 1,347	\$ 3,299	\$ 160	\$ 4	\$ 3,464	1,231,941	1,066	3,049	235	-	744	19,944,356	13,559	47,142	
2039	\$ 1,824	\$ 168	\$ 1,329	\$ 3,320	\$ 192	\$ 5	\$ 3,516	1,425,660	1,220	4,109	274	-	869	22,836,497	13,142	48,169	
2040	\$ 1,838	\$ 168	\$ 1,311	\$ 3,317	\$ 213	\$ 5	\$ 3,535	1,532,143	1,236	8,508	571	-	1,887	23,131,188	11,615	49,134	
2041	\$ 1,949	\$ 194	\$ 1,270	\$ 3,413	\$ 197	\$ 4	\$ 3,614	1,372,209	923	5,649	361	-	1,225	19,194,137	10,563	49,982	
2042	\$ 2,212	\$ 230	\$ 1,142	\$ 3,584	\$ 188	\$ 3	\$ 3,775	1,266,894	738	1,940	157	-	516	17,260,243	9,489	50,856	
2043	\$ 2,280	\$ 254	\$ 1,125	\$ 3,658	\$ 163	\$ 3	\$ 3,823	1,060,666	535	2,787	193	-	585	14,308,604	9,877	50,342	
2044	\$ 2,326	\$ 335	\$ 1,061	\$ 3,723	\$ 173	\$ 2	\$ 3,898	1,093,865	479	5,717	359	-	1,208	14,947,953	8,109	51,177	
2045	\$ 2,394	\$ 423	\$ 1,039	\$ 3,856	\$ 170	\$ 2	\$ 4,028	1,037,669	385	8,107	527	-	1,947	14,405,284	6,999	51,941	
2046	\$ 2,505	\$ 559	\$ 976	\$ 4,040	\$ 170	\$ 2	\$ 4,211	1,005,791	302	9,202	574	-	2,083	14,132,187	4,773	52,777	
2047	\$ 2,643	\$ 624	\$ 968	\$ 4,235	\$ 134	\$ 1	\$ 4,370	767,121	173	13,422	832	-	3,087	10,782,632	4,478	53,637	
2048	\$ 2,750	\$ 701	\$ 977	\$ 4,429	\$ 95	\$ 0	\$ 4,524	529,313	80	12,344	769	-	2,856	7,450,689	4,390	54,542	
2049	\$ 2,820	\$ 815	\$ 975	\$ 4,610	\$ 52	\$ 0	\$ 4,663	282,601	22	12,285	758	-	2,799	4,031,858	3,851	55,268	
2050	\$ 3,190	\$ 823	\$ 899	\$ 4,912	\$ -	\$ -	\$ 4,912	-	-	19,349	1,176	-	4,373	0	3,906	56,532	
2051	\$ 3,190	\$ 823	\$ 899	\$ 4,912	\$ -	\$ -	\$ 4,912	-	-	19,349	1,176	-	4,373	0	3,906	56,532	
2052	\$ 3,190	\$ 823	\$ 899	\$ 4,912	\$ -	\$ -	\$ 4,912	-	-	19,349	1,176	-	4,373	0	3,906	56,532	
2053	\$ 3,190	\$ 823	\$ 899	\$ 4,912	\$ -	\$ -	\$ 4,912	-	-	19,349	1,176	-	4,373	0	3,906	56,532	
2054	\$ 3,190	\$ 823	\$ 899	\$ 4,912	\$ -	\$ -	\$ 4,912	-	-	19,349	1,176	-	4,373	0	3,906	56,532	
2055	\$ 3,190	\$ 823	\$ 899	\$ 4,912	\$ -	\$ -	\$ 4,912	-	-	19,349	1,176	-	4,373	0	3,906	56,532	
				A	B	C	A + B + C										
NPV (\$M)	\$ 22,047	\$ 5,043	\$ 14,863	\$ 41,952	\$ 6,858	\$ 68	\$ 48,878	73,143,095	17,778	35,248	25,018	0.23	4,087	<< 2023-2030 sum			
2023-2055								102,606,755	39,082	283,502	40,700	0.23	60,189	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Sale, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 2 - Inverse 1324 Plan (\$0CO2), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 Tons (\$M)	Methane Tons (\$M)								Burn (MMBtu)	Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,313,945	2,132	6,601	6,041	0.06	405	39,888,446	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,169	1,961	6,487	6,018	0.06	400	36,693,920	765	34,410	
2025	\$ 868	\$ 412	\$ 772	\$ 2,053	\$ 1,197	\$ 6	\$ 3,255	14,407,131	2,492	6,335	5,487	0.05	392	46,637,580	609	35,028	
2026	\$ 899	\$ 358	\$ 790	\$ 2,046	\$ 695	\$ 7	\$ 2,749	8,077,254	2,943	2,599	2,304	0.02	346	55,080,167	987	34,760	
2027	\$ 975	\$ 289	\$ 1,100	\$ 2,364	\$ 579	\$ 5	\$ 2,948	6,496,142	2,018	2,863	1,992	0.02	404	37,755,034	1,903	35,507	
2028	\$ 1,046	\$ 259	\$ 1,053	\$ 2,358	\$ 544	\$ 5	\$ 2,907	5,893,580	1,993	4,179	1,723	0.02	761	37,303,234	1,631	36,409	
2029	\$ 1,185	\$ 228	\$ 1,168	\$ 2,580	\$ 349	\$ 5	\$ 2,934	3,648,635	1,898	2,228	627	0.01	502	35,520,299	2,950	37,260	
2030	\$ 1,222	\$ 241	\$ 1,132	\$ 2,595	\$ 382	\$ 6	\$ 2,983	3,860,608	2,078	3,200	682	0.01	728	38,880,060	2,634	38,334	
2031	\$ 1,343	\$ 216	\$ 1,097	\$ 2,656	\$ 252	\$ 6	\$ 2,915	2,462,561	2,070	4,925	271	-	1,041	38,732,597	3,751	39,475	
2032	\$ 1,393	\$ 214	\$ 1,066	\$ 2,673	\$ 254	\$ 6	\$ 2,933	2,397,997	2,034	4,542	288	-	1,136	38,065,814	3,989	40,880	
2033	\$ 1,436	\$ 219	\$ 1,042	\$ 2,697	\$ 267	\$ 7	\$ 2,970	2,433,210	2,062	4,837	323	-	1,396	38,583,291	4,235	42,045	
2034	\$ 1,484	\$ 228	\$ 1,016	\$ 2,729	\$ 294	\$ 7	\$ 3,029	2,583,383	2,160	5,642	380	-	1,551	40,419,347	3,964	43,121	
2035	\$ 1,528	\$ 234	\$ 1,033	\$ 2,795	\$ 309	\$ 8	\$ 3,111	2,625,475	2,196	8,857	573	-	2,137	41,095,100	3,950	44,105	
2036	\$ 1,552	\$ 224	\$ 1,170	\$ 2,946	\$ 299	\$ 7	\$ 3,253	2,456,971	2,030	8,473	527	-	1,865	37,987,514	4,268	45,106	
2037	\$ 1,862	\$ 135	\$ 1,317	\$ 3,315	\$ 124	\$ 3	\$ 3,442	983,506	853	1,593	108	-	462	15,969,324	16,240	46,080	
2038	\$ 1,824	\$ 150	\$ 1,312	\$ 3,286	\$ 153	\$ 4	\$ 3,443	1,178,997	1,023	3,241	188	-	664	19,147,557	14,194	47,142	
2039	\$ 1,845	\$ 164	\$ 1,290	\$ 3,299	\$ 183	\$ 5	\$ 3,487	1,364,079	1,171	3,513	223	-	914	21,912,798	13,916	48,169	
2040	\$ 1,859	\$ 163	\$ 1,272	\$ 3,295	\$ 204	\$ 5	\$ 3,504	1,466,041	1,183	7,999	508	-	1,839	22,143,465	12,374	49,134	
2041	\$ 1,969	\$ 188	\$ 1,232	\$ 3,389	\$ 188	\$ 4	\$ 3,581	1,311,043	881	4,973	293	-	1,158	18,322,058	11,296	49,982	
2042	\$ 2,232	\$ 222	\$ 1,104	\$ 3,558	\$ 179	\$ 3	\$ 3,741	1,209,153	703	1,762	100	-	420	16,445,544	10,200	50,856	
2043	\$ 2,299	\$ 245	\$ 1,087	\$ 3,632	\$ 155	\$ 2	\$ 3,789	1,011,775	510	2,005	136	-	629	13,633,415	10,604	50,342	
2044	\$ 2,346	\$ 322	\$ 1,024	\$ 3,692	\$ 165	\$ 2	\$ 3,859	1,041,595	455	5,054	293	-	1,151	14,185,351	8,794	51,177	
2045	\$ 2,413	\$ 405	\$ 1,002	\$ 3,819	\$ 161	\$ 2	\$ 3,983	987,601	365	7,266	444	-	1,797	13,652,287	7,677	51,941	
2046	\$ 2,521	\$ 533	\$ 938	\$ 3,993	\$ 161	\$ 2	\$ 4,155	956,006	286	8,418	504	-	2,020	13,390,737	5,344	52,777	
2047	\$ 2,660	\$ 595	\$ 931	\$ 4,187	\$ 127	\$ 1	\$ 4,315	729,800	164	12,452	739	-	2,894	10,238,326	5,049	53,637	
2048	\$ 2,765	\$ 668	\$ 940	\$ 4,374	\$ 90	\$ 0	\$ 4,465	503,257	75	11,432	694	-	2,780	7,063,782	4,959	54,542	
2049	\$ 2,837	\$ 777	\$ 938	\$ 4,552	\$ 50	\$ 0	\$ 4,602	268,918	20	11,597	685	-	2,691	3,824,747	4,394	55,268	
2050	\$ 3,197	\$ 781	\$ 862	\$ 4,840	\$ -	\$ -	\$ 4,840	-	-	17,154	1,001	-	3,838	0	4,454	56,532	
2051	\$ 3,197	\$ 781	\$ 862	\$ 4,840	\$ -	\$ -	\$ 4,840	-	-	17,154	1,001	-	3,838	0	4,454	56,532	
2052	\$ 3,197	\$ 781	\$ 862	\$ 4,840	\$ -	\$ -	\$ 4,840	-	-	17,154	1,001	-	3,838	0	4,454	56,532	
2053	\$ 3,197	\$ 781	\$ 862	\$ 4,840	\$ -	\$ -	\$ 4,840	-	-	17,154	1,001	-	3,838	0	4,454	56,532	
2054	\$ 3,197	\$ 781	\$ 862	\$ 4,840	\$ -	\$ -	\$ 4,840	-	-	17,154	1,001	-	3,838	0	4,454	56,532	
2055	\$ 3,197	\$ 781	\$ 862	\$ 4,840	\$ -	\$ -	\$ 4,840	-	-	17,154	1,001	-	3,838	0	4,454	56,532	
			A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 22,222	\$ 4,916	\$ 14,534	\$ 41,673	\$ 6,758	\$ 66	\$ 48,497	72,817,464	17,515	34,492	24,875	0.23	3,937	<< 2023-2030 sum			
								100,788,832	37,758	255,997	38,159	0.23	55,505	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 3 - Least Cost Plan (\$0CO2), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 Tons (\$M)	Methane Tons (\$M)								Burn (MMBtu)	Curtailment (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,329	2,132	6,601	6,041	0.06	405	39,888,442	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,743	1,961	6,487	6,018	0.06	400	36,693,941	763	34,410	
2025	\$ 868	\$ 412	\$ 772	\$ 2,052	\$ 1,197	\$ 6	\$ 3,255	14,406,336	2,492	6,335	5,487	0.05	392	46,626,479	609	35,028	
2026	\$ 920	\$ 345	\$ 806	\$ 2,072	\$ 671	\$ 6	\$ 2,749	7,795,869	2,772	2,528	2,244	0.02	333	51,867,977	1,513	34,760	
2027	\$ 968	\$ 282	\$ 1,087	\$ 2,337	\$ 563	\$ 5	\$ 2,904	6,311,187	1,921	5,544	2,080	0.02	618	35,943,272	2,628	35,507	
2028	\$ 990	\$ 257	\$ 1,066	\$ 2,313	\$ 536	\$ 5	\$ 2,854	5,802,277	1,969	8,321	1,854	0.01	929	36,846,921	2,290	36,409	
2029	\$ 1,104	\$ 235	\$ 1,210	\$ 2,549	\$ 359	\$ 5	\$ 2,914	3,758,191	2,005	13,165	1,074	0.01	1,470	37,522,648	3,452	37,260	
2030	\$ 1,140	\$ 249	\$ 1,175	\$ 2,564	\$ 393	\$ 6	\$ 2,963	3,972,821	2,191	14,370	1,121	0.01	1,602	41,009,412	3,133	38,334	
2031	\$ 1,263	\$ 223	\$ 1,140	\$ 2,625	\$ 263	\$ 6	\$ 2,894	2,564,258	2,169	13,601	594	-	1,502	40,593,482	4,248	39,475	
2032	\$ 1,313	\$ 220	\$ 1,109	\$ 2,641	\$ 263	\$ 6	\$ 2,911	2,482,091	2,112	11,655	503	-	1,302	39,528,312	4,468	40,880	
2033	\$ 1,356	\$ 224	\$ 1,085	\$ 2,665	\$ 276	\$ 7	\$ 2,948	2,513,166	2,136	13,966	598	-	1,542	39,963,086	4,711	42,045	
2034	\$ 1,404	\$ 233	\$ 1,058	\$ 2,696	\$ 302	\$ 7	\$ 3,006	2,659,507	2,231	16,586	729	-	1,818	41,751,938	4,428	43,121	
2035	\$ 1,448	\$ 240	\$ 1,074	\$ 2,762	\$ 318	\$ 8	\$ 3,088	2,706,109	2,279	20,684	914	-	2,246	42,642,495	4,415	44,105	
2036	\$ 1,472	\$ 230	\$ 1,211	\$ 2,913	\$ 309	\$ 8	\$ 3,229	2,539,059	2,108	20,963	935	-	2,269	39,446,593	4,750	45,106	
2037	\$ 1,782	\$ 142	\$ 1,357	\$ 3,281	\$ 134	\$ 4	\$ 3,419	1,068,454	935	4,185	182	-	467	17,501,987	16,876	46,080	
2038	\$ 1,752	\$ 156	\$ 1,353	\$ 3,260	\$ 164	\$ 4	\$ 3,429	1,263,666	1,096	6,945	302	-	762	20,516,016	14,833	47,142	
2039	\$ 1,770	\$ 170	\$ 1,332	\$ 3,272	\$ 195	\$ 5	\$ 3,472	1,451,492	1,247	9,775	420	-	1,064	23,326,059	14,472	48,169	
2040	\$ 1,788	\$ 170	\$ 1,313	\$ 3,271	\$ 217	\$ 5	\$ 3,494	1,562,863	1,269	19,764	879	-	2,116	23,748,539	12,947	49,134	
2041	\$ 1,891	\$ 199	\$ 1,270	\$ 3,360	\$ 201	\$ 4	\$ 3,564	1,396,389	956	14,022	598	-	1,516	19,886,494	11,848	49,982	
2042	\$ 2,148	\$ 233	\$ 1,145	\$ 3,525	\$ 189	\$ 3	\$ 3,718	1,275,422	751	5,941	254	-	680	17,573,858	10,741	50,856	
2043	\$ 2,214	\$ 258	\$ 1,127	\$ 3,600	\$ 164	\$ 3	\$ 3,767	1,070,784	548	5,642	241	-	646	14,643,823	11,160	50,342	
2044	\$ 2,261	\$ 337	\$ 1,065	\$ 3,663	\$ 172	\$ 2	\$ 3,838	1,089,081	482	13,152	562	-	1,440	15,036,299	9,302	51,177	
2045	\$ 2,327	\$ 422	\$ 1,044	\$ 3,793	\$ 168	\$ 2	\$ 3,962	1,026,002	383	18,596	794	-	2,017	14,341,953	8,214	51,941	
2046	\$ 2,424	\$ 551	\$ 972	\$ 3,947	\$ 166	\$ 2	\$ 4,115	984,396	297	22,402	957	-	2,432	13,911,405	5,832	52,777	
2047	\$ 2,545	\$ 616	\$ 961	\$ 4,122	\$ 131	\$ 1	\$ 4,254	750,921	171	31,383	1,341	-	3,371	10,644,265	5,523	53,637	
2048	\$ 2,640	\$ 688	\$ 969	\$ 4,297	\$ 93	\$ 0	\$ 4,390	515,202	78	28,758	1,229	-	3,101	7,292,907	5,419	54,542	
2049	\$ 2,721	\$ 798	\$ 967	\$ 4,486	\$ 51	\$ 0	\$ 4,537	274,964	21	27,200	1,162	-	2,948	3,940,866	4,844	55,268	
2050	\$ 3,060	\$ 802	\$ 893	\$ 4,756	\$ -	\$ -	\$ 4,756	-	-	43,090	1,840	-	4,593	0	4,890	56,532	
2051	\$ 3,060	\$ 802	\$ 893	\$ 4,756	\$ -	\$ -	\$ 4,756	-	-	43,090	1,840	-	4,593	0	4,890	56,532	
2052	\$ 3,060	\$ 802	\$ 893	\$ 4,756	\$ -	\$ -	\$ 4,756	-	-	43,090	1,840	-	4,593	0	4,890	56,532	
2053	\$ 3,060	\$ 802	\$ 893	\$ 4,756	\$ -	\$ -	\$ 4,756	-	-	43,090	1,840	-	4,593	0	4,890	56,532	
2054	\$ 3,060	\$ 802	\$ 893	\$ 4,756	\$ -	\$ -	\$ 4,756	-	-	43,090	1,840	-	4,593	0	4,890	56,532	
2055	\$ 3,060	\$ 802	\$ 893	\$ 4,756	\$ -	\$ -	\$ 4,756	-	-	43,090	1,840	-	4,593	0	4,890	56,532	
			A	B	C		A + B + C										
NPV (\$M) 2023-2055	\$ 21,369	\$ 4,993	\$ 14,913	\$ 41,275	\$ 6,797	\$ 67	\$ 48,139	72,480,752	17,442	63,351	25,920	0.23	6,148	<< 2023-2030 sum			
								101,674,578	38,713	627,110	50,150	0.23	66,947	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 6 - Lower Dispatchable Plan (\$0CO2), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GWh)	Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 Tons (\$M)	Methane Tons (\$M)											Natural Gas
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,416	2,132	6,601	6,041	0.06	405	39,888,437	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,416	1,961	6,487	6,018	0.06	400	36,693,933	761	34,410	
2025	\$ 873	\$ 412	\$ 772	\$ 2,057	\$ 1,197	\$ 6	\$ 3,259	14,406,364	2,490	6,335	5,487	0.05	392	46,604,718	610	35,028	
2026	\$ 898	\$ 337	\$ 782	\$ 2,017	\$ 662	\$ 6	\$ 2,685	7,691,562	2,643	2,507	2,283	0.02	328	49,456,725	1,603	34,760	
2027	\$ 989	\$ 263	\$ 1,141	\$ 2,393	\$ 536	\$ 4	\$ 2,932	6,007,932	1,657	2,076	1,907	0.02	257	31,015,958	2,748	35,507	
2028	\$ 1,087	\$ 224	\$ 1,158	\$ 2,469	\$ 485	\$ 4	\$ 2,958	5,252,516	1,514	2,132	1,598	0.01	276	28,339,831	2,434	36,409	
2029	\$ 1,233	\$ 202	\$ 1,276	\$ 2,711	\$ 308	\$ 4	\$ 3,023	3,217,968	1,535	1,246	608	0.01	266	28,732,588	3,532	37,260	
2030	\$ 1,271	\$ 213	\$ 1,231	\$ 2,715	\$ 335	\$ 5	\$ 3,055	3,389,484	1,677	1,237	606	0.01	266	31,385,153	3,133	38,334	
2031	\$ 1,394	\$ 192	\$ 1,188	\$ 2,773	\$ 211	\$ 5	\$ 2,990	2,063,520	1,730	1,403	112	-	305	32,372,739	4,463	39,475	
2032	\$ 1,444	\$ 192	\$ 1,140	\$ 2,776	\$ 216	\$ 5	\$ 2,998	2,035,782	1,729	3,194	236	-	838	32,358,478	4,773	40,880	
2033	\$ 1,486	\$ 197	\$ 1,108	\$ 2,791	\$ 228	\$ 6	\$ 3,024	2,071,823	1,757	1,873	162	-	575	32,882,388	5,038	42,045	
2034	\$ 1,534	\$ 205	\$ 1,076	\$ 2,816	\$ 251	\$ 6	\$ 3,073	2,210,246	1,850	2,277	163	-	501	34,626,607	4,741	43,121	
2035	\$ 1,580	\$ 210	\$ 1,104	\$ 2,894	\$ 264	\$ 6	\$ 3,164	2,247,057	1,876	4,350	330	-	1,193	35,104,345	4,708	44,105	
2036	\$ 1,604	\$ 201	\$ 1,294	\$ 3,099	\$ 255	\$ 6	\$ 3,360	2,097,372	1,730	3,925	305	-	951	32,373,046	5,070	45,106	
2037	\$ 1,904	\$ 124	\$ 1,471	\$ 3,499	\$ 101	\$ 3	\$ 3,603	805,614	703	991	93	-	195	13,162,734	17,329	46,080	
2038	\$ 1,873	\$ 136	\$ 1,473	\$ 3,482	\$ 127	\$ 3	\$ 3,613	978,190	848	1,603	141	-	395	15,862,065	15,486	47,142	
2039	\$ 1,899	\$ 149	\$ 1,450	\$ 3,498	\$ 154	\$ 4	\$ 3,655	1,141,559	983	1,725	134	-	356	18,394,292	15,066	48,169	
2040	\$ 1,906	\$ 147	\$ 1,429	\$ 3,482	\$ 170	\$ 4	\$ 3,656	1,224,212	980	4,659	363	-	1,200	18,329,670	13,461	49,134	
2041	\$ 2,022	\$ 165	\$ 1,387	\$ 3,575	\$ 156	\$ 3	\$ 3,734	1,088,944	715	3,216	236	-	809	14,858,260	12,376	49,982	
2042	\$ 2,290	\$ 194	\$ 1,257	\$ 3,740	\$ 150	\$ 3	\$ 3,893	1,012,829	574	841	87	-	217	13,431,490	11,270	50,856	
2043	\$ 2,360	\$ 211	\$ 1,237	\$ 3,809	\$ 129	\$ 2	\$ 3,940	843,704	414	1,284	108	-	268	11,059,703	11,713	50,342	
2044	\$ 2,407	\$ 276	\$ 1,175	\$ 3,858	\$ 139	\$ 2	\$ 3,998	875,637	373	3,914	281	-	998	11,629,733	9,781	51,177	
2045	\$ 2,479	\$ 344	\$ 1,148	\$ 3,972	\$ 136	\$ 2	\$ 4,110	834,778	300	5,378	345	-	1,175	11,229,105	8,646	51,941	
2046	\$ 2,596	\$ 456	\$ 1,061	\$ 4,113	\$ 138	\$ 1	\$ 4,252	816,985	239	6,410	411	-	1,453	11,183,316	6,161	52,777	
2047	\$ 2,735	\$ 510	\$ 1,036	\$ 4,281	\$ 109	\$ 1	\$ 4,391	625,933	138	9,721	599	-	2,143	8,595,716	5,877	53,637	
2048	\$ 2,836	\$ 575	\$ 1,039	\$ 4,450	\$ 78	\$ 0	\$ 4,528	434,199	64	8,590	557	-	2,066	5,969,129	5,797	54,542	
2049	\$ 2,899	\$ 668	\$ 1,035	\$ 4,602	\$ 43	\$ 0	\$ 4,645	232,695	17	8,655	551	-	2,022	3,241,620	5,208	55,268	
2050	\$ 3,252	\$ 670	\$ 954	\$ 4,876	\$ -	\$ -	\$ 4,876	-	-	13,168	819	-	3,036	0	5,308	56,532	
2051	\$ 3,252	\$ 670	\$ 954	\$ 4,876	\$ -	\$ -	\$ 4,876	-	-	13,168	819	-	3,036	0	5,308	56,532	
2052	\$ 3,252	\$ 670	\$ 954	\$ 4,876	\$ -	\$ -	\$ 4,876	-	-	13,168	819	-	3,036	0	5,308	56,532	
2053	\$ 3,252	\$ 670	\$ 954	\$ 4,876	\$ -	\$ -	\$ 4,876	-	-	13,168	819	-	3,036	0	5,308	56,532	
2054	\$ 3,252	\$ 670	\$ 954	\$ 4,876	\$ -	\$ -	\$ 4,876	-	-	13,168	819	-	3,036	0	5,308	56,532	
2055	\$ 3,252	\$ 670	\$ 954	\$ 4,876	\$ -	\$ -	\$ 4,876	-	-	13,168	819	-	3,036	0	5,308	56,532	
				A	B	C	A + B + C										
NPV (\$M) 2023-2055	\$ 22,766	\$ 4,484	\$ 15,668	\$ 42,917	\$ 6,369	\$ 57	\$ 49,343	70,400,659	15,610	28,622	24,548	0.23	2,590	<< 2023-2030 sum			
								94,041,740	32,630	181,640	34,675	0.23	38,465	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 7 - High Project Labor Agreement (PLA) (\$0CO2), Low Gas Sensitivity										Emissions						Native Load	
Capital +					Cost of											Forecast	
Year	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	TOTAL CO2 (\$M)	Cost of Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GWh)	Energy (GWh)	
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,456	2,132	6,601	6,041	0.06	405	39,888,437	561	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,574	1,961	6,487	6,018	0.06	400	36,693,920	762	34,410	
2025	\$ 868	\$ 412	\$ 772	\$ 2,052	\$ 1,197	\$ 6	\$ 3,255	14,409,310	2,486	6,339	5,491	0.05	392	46,523,644	605	35,028	
2026	\$ 901	\$ 366	\$ 673	\$ 1,940	\$ 720	\$ 7	\$ 2,667	8,361,311	3,032	2,641	2,320	0.02	360	56,741,118	408	34,760	
2027	\$ 966	\$ 294	\$ 1,098	\$ 2,357	\$ 595	\$ 5	\$ 2,957	6,668,133	2,082	2,510	2,010	0.02	365	38,965,858	1,361	35,507	
2028	\$ 1,052	\$ 220	\$ 1,329	\$ 2,601	\$ 474	\$ 4	\$ 3,078	5,128,283	1,450	2,160	1,597	0.01	334	27,128,201	2,834	36,409	
2029	\$ 1,137	\$ 210	\$ 1,390	\$ 2,737	\$ 317	\$ 4	\$ 3,059	3,321,015	1,638	2,863	720	0.01	744	30,643,878	3,398	37,260	
2030	\$ 1,174	\$ 222	\$ 1,337	\$ 2,733	\$ 348	\$ 5	\$ 3,086	3,519,400	1,802	3,080	715	0.01	682	33,725,402	3,062	38,334	
2031	\$ 1,296	\$ 196	\$ 1,284	\$ 2,776	\$ 218	\$ 5	\$ 2,999	2,124,202	1,791	3,855	266	-	919	33,514,929	4,213	39,475	
2032	\$ 1,345	\$ 196	\$ 1,233	\$ 2,774	\$ 221	\$ 5	\$ 3,000	2,078,690	1,777	4,042	293	-	1,007	33,247,511	4,486	40,880	
2033	\$ 1,387	\$ 201	\$ 1,189	\$ 2,776	\$ 233	\$ 6	\$ 3,015	2,121,138	1,813	3,529	235	-	762	33,921,271	4,741	42,045	
2034	\$ 1,437	\$ 209	\$ 1,147	\$ 2,793	\$ 257	\$ 6	\$ 3,056	2,258,569	1,893	3,812	266	-	933	35,414,450	4,454	43,121	
2035	\$ 1,480	\$ 214	\$ 1,147	\$ 2,841	\$ 269	\$ 7	\$ 3,117	2,291,024	1,922	6,879	439	-	1,475	35,963,914	4,409	44,105	
2036	\$ 1,504	\$ 205	\$ 1,230	\$ 2,939	\$ 260	\$ 6	\$ 3,205	2,136,069	1,769	5,845	403	-	1,258	33,098,271	4,770	45,106	
2037	\$ 1,832	\$ 126	\$ 1,451	\$ 3,409	\$ 104	\$ 3	\$ 3,515	823,831	727	782	90	-	207	13,610,422	17,134	46,080	
2038	\$ 1,770	\$ 139	\$ 1,583	\$ 3,492	\$ 130	\$ 3	\$ 3,626	1,001,458	879	2,266	190	-	609	16,454,226	15,345	47,142	
2039	\$ 1,795	\$ 152	\$ 1,606	\$ 3,553	\$ 158	\$ 4	\$ 3,714	1,171,342	1,017	1,721	140	-	397	19,023,100	14,757	48,169	
2040	\$ 1,808	\$ 150	\$ 1,580	\$ 3,537	\$ 175	\$ 4	\$ 3,716	1,256,373	1,013	6,253	462	-	1,546	18,952,433	13,161	49,134	
2041	\$ 1,917	\$ 168	\$ 1,532	\$ 3,617	\$ 159	\$ 3	\$ 3,780	1,109,276	735	4,470	311	-	1,094	15,280,793	11,994	49,982	
2042	\$ 2,167	\$ 195	\$ 1,403	\$ 3,766	\$ 152	\$ 3	\$ 3,920	1,022,636	580	1,623	128	-	356	13,578,560	10,821	50,856	
2043	\$ 2,220	\$ 215	\$ 1,379	\$ 3,814	\$ 132	\$ 2	\$ 3,948	858,329	423	1,736	143	-	432	11,310,971	11,229	50,342	
2044	\$ 2,282	\$ 285	\$ 1,314	\$ 3,881	\$ 143	\$ 2	\$ 4,025	901,102	389	4,443	320	-	1,172	12,140,280	9,345	51,177	
2045	\$ 2,351	\$ 357	\$ 1,288	\$ 3,997	\$ 141	\$ 2	\$ 4,139	860,618	313	6,589	426	-	1,510	11,726,838	8,110	51,941	
2046	\$ 2,428	\$ 470	\$ 1,208	\$ 4,106	\$ 142	\$ 1	\$ 4,250	840,312	248	7,571	516	-	1,983	11,584,159	5,733	52,777	
2047	\$ 2,536	\$ 527	\$ 1,171	\$ 4,234	\$ 112	\$ 1	\$ 4,347	644,144	143	10,007	669	-	2,586	8,910,025	5,421	53,637	
2048	\$ 2,650	\$ 592	\$ 1,151	\$ 4,393	\$ 80	\$ 0	\$ 4,473	445,573	66	10,137	666	-	2,540	6,162,439	5,318	54,542	
2049	\$ 2,750	\$ 687	\$ 1,144	\$ 4,581	\$ 44	\$ 0	\$ 4,626	239,291	18	8,595	577	-	2,222	3,340,703	4,792	55,268	
2050	\$ 3,080	\$ 694	\$ 1,069	\$ 4,842	\$ -	\$ -	\$ 4,842	-	-	15,836	1,014	-	3,900	0	4,876	56,532	
2051	\$ 3,080	\$ 694	\$ 1,069	\$ 4,842	\$ -	\$ -	\$ 4,842	-	-	15,836	1,014	-	3,900	0	4,876	56,532	
2052	\$ 3,080	\$ 694	\$ 1,069	\$ 4,842	\$ -	\$ -	\$ 4,842	-	-	15,836	1,014	-	3,900	0	4,876	56,532	
2053	\$ 3,080	\$ 694	\$ 1,069	\$ 4,842	\$ -	\$ -	\$ 4,842	-	-	15,836	1,014	-	3,900	0	4,876	56,532	
2054	\$ 3,080	\$ 694	\$ 1,069	\$ 4,842	\$ -	\$ -	\$ 4,842	-	-	15,836	1,014	-	3,900	0	4,876	56,532	
2055	\$ 3,080	\$ 694	\$ 1,069	\$ 4,842	\$ -	\$ -	\$ 4,842	-	-	15,836	1,014	-	3,900	0	4,876	56,532	
			A	B	C	A + B + C											
NPV (\$M) 2023-2055	\$ 21,640	\$ 4,602	\$ 16,571	\$ 42,813	\$ 6,497	\$ 60	\$ 49,370	71,841,481	16,583	32,681	24,912	0.23	3,681	<< 2023-2030 sum			
								96,025,457	34,097	221,855	37,534	0.23	50,092	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 8 - No New Gas Plan (\$0CO2), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			TOTAL PVRR (\$M)	Cost of			TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)		CO2 Tons (\$M)	Methane Tons (\$M)	Burn (MMBtu)								Curtailement (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,009	2,132	6,601	6,041	0.06	405	39,888,440	560	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,120,056	1,961	6,487	6,018	0.06	400	36,693,932	762	34,410	
2025	\$ 873	\$ 412	\$ 772	\$ 2,056	\$ 1,197	\$ 6	\$ 3,259	14,407,360	2,484	6,338	5,491	0.05	392	46,474,728	606	35,028	
2026	\$ 981	\$ 296	\$ 685	\$ 1,962	\$ 600	\$ 5	\$ 2,567	6,968,180	2,057	2,334	2,149	0.02	293	38,489,618	4,083	34,760	
2027	\$ 1,124	\$ 202	\$ 1,265	\$ 2,590	\$ 416	\$ 2	\$ 3,008	4,660,712	909	1,725	1,709	0.01	181	17,018,517	5,939	35,507	
2028	\$ 1,228	\$ 156	\$ 1,325	\$ 2,709	\$ 315	\$ 2	\$ 3,026	3,413,633	773	1,252	1,192	0.01	138	14,472,412	6,461	36,409	
2029	\$ 1,336	\$ 150	\$ 1,390	\$ 2,877	\$ 207	\$ 2	\$ 3,086	2,166,637	837	583	466	0.01	105	15,656,010	6,537	37,260	
2030	\$ 1,367	\$ 158	\$ 1,319	\$ 2,845	\$ 233	\$ 3	\$ 3,080	2,353,331	909	630	505	0.01	115	17,007,268	6,131	38,334	
2031	\$ 1,491	\$ 141	\$ 1,241	\$ 2,873	\$ 121	\$ 3	\$ 2,997	1,180,287	1,015	191	9	-	58	18,991,877	7,801	39,475	
2032	\$ 1,543	\$ 143	\$ 1,171	\$ 2,857	\$ 126	\$ 3	\$ 2,986	1,190,828	1,039	197	9	-	60	19,443,310	8,144	40,880	
2033	\$ 1,584	\$ 148	\$ 1,121	\$ 2,853	\$ 136	\$ 3	\$ 2,993	1,240,768	1,087	205	9	-	63	20,335,666	8,378	42,045	
2034	\$ 1,632	\$ 154	\$ 1,074	\$ 2,859	\$ 152	\$ 4	\$ 3,015	1,336,638	1,143	216	9	-	67	21,382,242	8,039	43,121	
2035	\$ 1,678	\$ 156	\$ 1,096	\$ 2,930	\$ 160	\$ 4	\$ 3,094	1,362,219	1,155	222	10	-	67	21,608,127	7,902	44,105	
2036	\$ 1,705	\$ 150	\$ 1,326	\$ 3,182	\$ 153	\$ 4	\$ 3,338	1,256,345	1,059	206	24	-	61	19,817,977	8,455	45,106	
2037	\$ 2,006	\$ 105	\$ 1,650	\$ 3,761	\$ 59	\$ 2	\$ 3,822	472,155	455	100	5	-	21	8,517,423	22,224	46,080	
2038	\$ 1,977	\$ 112	\$ 1,735	\$ 3,824	\$ 76	\$ 2	\$ 3,902	582,649	537	118	10	-	26	10,051,740	20,350	47,142	
2039	\$ 2,004	\$ 120	\$ 1,734	\$ 3,859	\$ 94	\$ 3	\$ 3,955	697,368	634	133	6	-	32	11,856,725	19,628	48,169	
2040	\$ 2,010	\$ 112	\$ 1,705	\$ 3,828	\$ 100	\$ 2	\$ 3,930	718,040	560	105	32	-	37	10,487,302	17,874	49,134	
2041	\$ 2,124	\$ 118	\$ 1,660	\$ 3,902	\$ 88	\$ 2	\$ 3,991	612,934	371	75	3	-	30	7,706,708	16,708	49,982	
2042	\$ 2,388	\$ 131	\$ 1,525	\$ 4,045	\$ 85	\$ 1	\$ 4,131	570,341	292	62	3	-	32	6,834,984	15,479	50,856	
2043	\$ 2,448	\$ 139	\$ 1,500	\$ 4,087	\$ 72	\$ 1	\$ 4,160	471,738	208	58	3	-	29	5,558,515	15,928	50,342	
2044	\$ 2,506	\$ 182	\$ 1,435	\$ 4,124	\$ 82	\$ 1	\$ 4,207	516,862	207	82	4	-	40	6,448,553	13,728	51,177	
2045	\$ 2,586	\$ 225	\$ 1,398	\$ 4,210	\$ 82	\$ 1	\$ 4,293	503,800	171	99	4	-	47	6,406,863	12,427	51,941	
2046	\$ 2,708	\$ 292	\$ 1,304	\$ 4,304	\$ 85	\$ 1	\$ 4,390	501,407	138	127	5	-	60	6,477,432	9,614	52,777	
2047	\$ 2,836	\$ 322	\$ 1,259	\$ 4,417	\$ 67	\$ 0	\$ 4,484	383,523	79	136	5	-	61	4,948,257	9,280	53,637	
2048	\$ 2,930	\$ 364	\$ 1,252	\$ 4,546	\$ 48	\$ 0	\$ 4,595	268,698	37	146	6	-	65	3,490,537	9,142	54,542	
2049	\$ 3,019	\$ 422	\$ 1,243	\$ 4,684	\$ 27	\$ 0	\$ 4,712	146,107	10	156	6	-	72	1,918,527	8,439	55,268	
2050	\$ 3,343	\$ 431	\$ 1,157	\$ 4,932	\$ -	\$ -	\$ 4,932	-	-	164	6	-	69	0	8,529	56,532	
2051	\$ 3,343	\$ 431	\$ 1,157	\$ 4,932	\$ -	\$ -	\$ 4,932	-	-	164	6	-	69	0	8,529	56,532	
2052	\$ 3,343	\$ 431	\$ 1,157	\$ 4,932	\$ -	\$ -	\$ 4,932	-	-	164	6	-	69	0	8,529	56,532	
2053	\$ 3,343	\$ 431	\$ 1,157	\$ 4,932	\$ -	\$ -	\$ 4,932	-	-	164	6	-	69	0	8,529	56,532	
2054	\$ 3,343	\$ 431	\$ 1,157	\$ 4,932	\$ -	\$ -	\$ 4,932	-	-	164	6	-	69	0	8,529	56,532	
2055	\$ 3,343	\$ 431	\$ 1,157	\$ 4,932	\$ -	\$ -	\$ 4,932	-	-	164	6	-	69	0	8,529	56,532	
				A	B	C	A + B + C										
NPV (\$M) \$ 23,968 \$ 3,565 \$ 17,159 \$ 44,692 \$ 5,459 \$ 40 \$ 50,190								64,403,919	12,061	25,950	23,572	0.22	2,028	<< 2023-2030 sum			
2023-2055								78,416,627	22,259	29,565	23,770	0.22	3,372	<< 2023-2055 sum			
Notes: Costs do not include transmission network upgrades for delivery. Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.													PVRR = Present Value Revenue Requirement PVSC = Present Value Societal Cost				

Portfolio: 11 - With May Valley Plan (\$0CO2), Low Gas Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailment (GW/h)	Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$/MWh)	Methane Tons (\$/MWh)											Natural Gas Forecast (GWh)
2023	\$ 761	\$ 486	\$ 745	\$ 1,992	\$ 1,184	\$ 4	\$ 3,180	15,314,090	2,132	6,601	6,041	0.06	405	39,888,435	560	33,906	
2024	\$ 831	\$ 440	\$ 754	\$ 2,025	\$ 1,212	\$ 4	\$ 3,241	15,119,860	1,961	6,487	6,018	0.06	400	36,693,939	760	34,410	
2025	\$ 868	\$ 412	\$ 772	\$ 2,053	\$ 1,197	\$ 6	\$ 3,255	14,407,188	2,492	6,335	5,487	0.05	392	46,637,220	609	35,028	
2026	\$ 899	\$ 359	\$ 808	\$ 2,066	\$ 696	\$ 7	\$ 2,768	8,084,504	2,965	2,601	2,300	0.02	346	55,488,305	2,535	34,760	
2027	\$ 933	\$ 262	\$ 1,195	\$ 2,389	\$ 528	\$ 4	\$ 2,921	5,921,664	1,658	3,849	1,991	0.02	592	31,033,494	3,313	35,507	
2028	\$ 931	\$ 229	\$ 1,208	\$ 2,368	\$ 487	\$ 4	\$ 2,858	5,268,997	1,586	6,488	1,824	0.01	1,135	29,683,971	3,437	36,409	
2029	\$ 1,007	\$ 222	\$ 1,306	\$ 2,535	\$ 338	\$ 5	\$ 2,878	3,533,797	1,816	7,294	943	0.01	1,368	33,983,098	3,620	37,260	
2030	\$ 1,044	\$ 235	\$ 1,252	\$ 2,531	\$ 369	\$ 6	\$ 2,906	3,732,981	1,989	9,188	1,024	0.01	1,612	37,228,616	3,269	38,334	
2031	\$ 1,167	\$ 209	\$ 1,202	\$ 2,577	\$ 240	\$ 6	\$ 2,823	2,340,458	1,976	9,225	504	-	1,541	36,973,156	4,438	39,475	
2032	\$ 1,217	\$ 207	\$ 1,148	\$ 2,572	\$ 241	\$ 6	\$ 2,819	2,270,349	1,935	7,235	412	-	1,259	36,203,215	4,669	40,880	
2033	\$ 1,259	\$ 212	\$ 1,107	\$ 2,579	\$ 255	\$ 6	\$ 2,840	2,319,261	1,971	8,632	470	-	1,368	36,879,406	4,957	42,045	
2034	\$ 1,308	\$ 221	\$ 1,067	\$ 2,596	\$ 280	\$ 7	\$ 2,883	2,462,914	2,064	8,755	507	-	1,639	38,626,437	4,675	43,121	
2035	\$ 1,352	\$ 228	\$ 1,071	\$ 2,651	\$ 295	\$ 7	\$ 2,953	2,505,905	2,109	12,016	706	-	2,302	39,466,829	4,636	44,105	
2036	\$ 1,377	\$ 217	\$ 1,226	\$ 2,820	\$ 285	\$ 7	\$ 3,112	2,342,509	1,939	11,247	711	-	2,304	36,277,239	5,008	45,106	
2037	\$ 1,682	\$ 135	\$ 1,504	\$ 3,321	\$ 122	\$ 3	\$ 3,446	966,712	851	2,511	185	-	544	15,925,744	17,333	46,080	
2038	\$ 1,649	\$ 149	\$ 1,581	\$ 3,380	\$ 151	\$ 4	\$ 3,534	1,158,160	1,009	4,459	258	-	660	18,886,543	15,469	47,142	
2039	\$ 1,674	\$ 163	\$ 1,588	\$ 3,424	\$ 180	\$ 5	\$ 3,609	1,340,947	1,158	4,730	300	-	895	21,670,639	14,905	48,169	
2040	\$ 1,690	\$ 162	\$ 1,564	\$ 3,416	\$ 200	\$ 5	\$ 3,621	1,437,718	1,168	13,121	767	-	2,377	21,848,524	13,329	49,134	
2041	\$ 1,794	\$ 187	\$ 1,519	\$ 3,500	\$ 184	\$ 4	\$ 3,687	1,278,167	868	8,838	484	-	1,460	18,049,518	12,208	49,982	
2042	\$ 2,051	\$ 216	\$ 1,385	\$ 3,653	\$ 173	\$ 3	\$ 3,829	1,167,450	678	3,834	238	-	709	15,851,713	11,094	50,856	
2043	\$ 2,107	\$ 240	\$ 1,364	\$ 3,710	\$ 150	\$ 2	\$ 3,863	979,866	495	4,295	269	-	826	13,219,661	11,496	50,342	
2044	\$ 2,164	\$ 314	\$ 1,297	\$ 3,774	\$ 159	\$ 2	\$ 3,936	1,005,307	441	9,119	514	-	1,624	13,741,818	9,633	51,177	
2045	\$ 2,233	\$ 392	\$ 1,271	\$ 3,896	\$ 155	\$ 2	\$ 4,053	951,245	352	12,389	676	-	2,142	13,157,896	8,433	51,941	
2046	\$ 2,339	\$ 514	\$ 1,194	\$ 4,048	\$ 155	\$ 1	\$ 4,204	917,714	275	14,293	781	-	2,528	12,849,108	6,091	52,777	
2047	\$ 2,459	\$ 574	\$ 1,179	\$ 4,212	\$ 122	\$ 1	\$ 4,335	700,722	158	19,687	1,066	-	3,487	9,833,793	5,783	53,637	
2048	\$ 2,547	\$ 640	\$ 1,185	\$ 4,372	\$ 86	\$ 0	\$ 4,458	480,004	72	19,485	1,056	-	3,456	6,728,872	5,645	54,542	
2049	\$ 2,637	\$ 741	\$ 1,180	\$ 4,558	\$ 48	\$ 0	\$ 4,606	256,564	19	17,976	963	-	3,102	3,635,058	5,078	55,268	
2050	\$ 3,009	\$ 744	\$ 1,099	\$ 4,852	\$ -	\$ -	\$ 4,852	-	-	24,796	1,357	-	4,556	0	5,156	56,532	
2051	\$ 3,009	\$ 744	\$ 1,099	\$ 4,852	\$ -	\$ -	\$ 4,852	-	-	24,796	1,357	-	4,556	0	5,156	56,532	
2052	\$ 3,009	\$ 744	\$ 1,099	\$ 4,852	\$ -	\$ -	\$ 4,852	-	-	24,796	1,357	-	4,556	0	5,156	56,532	
2053	\$ 3,009	\$ 744	\$ 1,099	\$ 4,852	\$ -	\$ -	\$ 4,852	-	-	24,796	1,357	-	4,556	0	5,156	56,532	
2054	\$ 3,009	\$ 744	\$ 1,099	\$ 4,852	\$ -	\$ -	\$ 4,852	-	-	24,796	1,357	-	4,556	0	5,156	56,532	
2055	\$ 3,009	\$ 744	\$ 1,099	\$ 4,852	\$ -	\$ -	\$ 4,852	-	-	24,796	1,357	-	4,556	0	5,156	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 20,431	\$ 4,776	\$ 16,365	\$ 41,572	\$ 6,603	\$ 63	\$ 48,237	71,383,080	16,600	48,844	25,628	0.23	6,251	<< 2023-2030 sum			
2023-2055								98,265,051	36,135	389,464	44,637	0.23	67,808	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Load Sensitivity SCC Portfolios

Portfolio: 1 - Preferred Plan (SCC), Demand Response Sensitivity										Emissions							
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Native Load		Energy (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)								Natural Gas Burn (MMBtu)	Curtailment (GWh)		
2023	\$ 761	\$ 486	\$ 745	\$ 1,991	\$ 1,184	\$ 4	\$ 3,180	15,314,434	2,133	6,601	6,041	0.06	405	39,921,158	562	33,906	
2024	\$ 830	\$ 440	\$ 754	\$ 2,023	\$ 1,212	\$ 4	\$ 3,239	15,119,962	1,961	6,487	6,018	0.06	400	36,694,947	764	34,410	
2025	\$ 864	\$ 435	\$ 775	\$ 2,074	\$ 1,208	\$ 6	\$ 3,287	14,538,828	2,507	6,393	5,563	0.05	394	46,917,690	625	35,028	
2026	\$ 946	\$ 341	\$ 772	\$ 2,059	\$ 633	\$ 5	\$ 2,697	7,351,025	2,351	2,446	2,246	0.02	310	43,998,559	3,681	34,760	
2027	\$ 989	\$ 250	\$ 1,211	\$ 2,450	\$ 482	\$ 3	\$ 2,935	5,409,247	1,278	2,918	1,928	0.02	399	23,918,339	5,166	35,507	
2028	\$ 959	\$ 228	\$ 1,342	\$ 2,529	\$ 447	\$ 3	\$ 2,979	4,837,100	1,334	5,953	1,759	0.01	1,001	24,963,523	5,602	36,409	
2029	\$ 1,021	\$ 228	\$ 1,338	\$ 2,587	\$ 307	\$ 4	\$ 2,899	3,213,721	1,595	9,172	1,057	0.01	1,729	29,844,049	5,620	37,260	
2030	\$ 1,057	\$ 241	\$ 1,283	\$ 2,581	\$ 335	\$ 5	\$ 2,921	3,389,991	1,744	11,418	1,201	0.01	2,258	32,627,481	5,256	38,334	
2031	\$ 1,202	\$ 208	\$ 1,217	\$ 2,627	\$ 195	\$ 5	\$ 2,827	1,907,513	1,640	7,217	424	-	1,322	30,690,379	6,666	39,475	
2032	\$ 1,213	\$ 225	\$ 1,158	\$ 2,596	\$ 220	\$ 5	\$ 2,822	2,077,265	1,803	10,972	614	-	1,903	33,735,993	6,231	40,880	
2033	\$ 1,274	\$ 216	\$ 1,117	\$ 2,606	\$ 208	\$ 5	\$ 2,819	1,891,355	1,644	9,999	579	-	1,759	30,764,813	7,691	42,045	
2034	\$ 1,354	\$ 214	\$ 1,074	\$ 2,642	\$ 208	\$ 5	\$ 2,855	1,832,175	1,575	6,768	412	-	1,354	29,467,445	8,037	43,121	
2035	\$ 1,413	\$ 217	\$ 1,080	\$ 2,710	\$ 210	\$ 5	\$ 2,925	1,790,142	1,547	9,365	512	-	1,492	28,946,480	8,332	44,105	
2036	\$ 1,406	\$ 224	\$ 1,250	\$ 2,881	\$ 228	\$ 6	\$ 3,114	1,873,977	1,585	10,259	631	-	1,892	29,657,910	7,728	45,106	
2037	\$ 1,664	\$ 154	\$ 1,540	\$ 3,357	\$ 116	\$ 3	\$ 3,476	919,611	833	4,602	281	-	803	15,586,666	19,218	46,080	
2038	\$ 1,641	\$ 170	\$ 1,620	\$ 3,431	\$ 142	\$ 4	\$ 3,576	1,088,248	964	6,292	365	-	1,059	18,041,452	17,284	47,142	
2039	\$ 1,665	\$ 190	\$ 1,625	\$ 3,480	\$ 169	\$ 4	\$ 3,654	1,258,467	1,103	9,151	530	-	1,567	20,631,609	16,662	48,169	
2040	\$ 1,723	\$ 190	\$ 1,599	\$ 3,512	\$ 184	\$ 5	\$ 3,700	1,320,627	1,090	9,854	627	-	1,985	20,391,986	15,030	49,134	
2041	\$ 1,817	\$ 213	\$ 1,555	\$ 3,585	\$ 172	\$ 4	\$ 3,760	1,194,848	830	7,391	437	-	1,412	17,262,526	13,831	49,982	
2042	\$ 2,062	\$ 236	\$ 1,421	\$ 3,720	\$ 160	\$ 3	\$ 3,883	1,077,709	636	4,590	274	-	808	14,872,980	12,670	50,856	
2043	\$ 2,120	\$ 253	\$ 1,400	\$ 3,773	\$ 138	\$ 2	\$ 3,913	901,617	459	4,432	264	-	757	12,279,072	13,092	50,342	
2044	\$ 2,182	\$ 322	\$ 1,337	\$ 3,841	\$ 145	\$ 2	\$ 3,988	918,187	405	6,688	369	-	1,072	12,642,950	11,140	51,177	
2045	\$ 2,257	\$ 395	\$ 1,307	\$ 3,959	\$ 142	\$ 2	\$ 4,103	870,979	323	9,297	513	-	1,589	12,104,670	9,910	51,941	
2046	\$ 2,348	\$ 501	\$ 1,217	\$ 4,066	\$ 140	\$ 1	\$ 4,208	830,776	249	12,196	656	-	2,042	11,639,312	7,389	52,777	
2047	\$ 2,458	\$ 555	\$ 1,190	\$ 4,203	\$ 112	\$ 1	\$ 4,315	642,180	144	16,194	887	-	2,900	8,983,542	6,728	53,637	
2048	\$ 2,496	\$ 656	\$ 1,179	\$ 4,331	\$ 86	\$ 0	\$ 4,417	475,820	72	17,910	1,007	-	3,424	6,696,696	6,109	54,542	
2049	\$ 2,617	\$ 733	\$ 1,173	\$ 4,523	\$ 46	\$ 0	\$ 4,569	248,887	19	15,573	850	-	2,778	3,530,380	5,713	55,268	
2050	\$ 2,988	\$ 743	\$ 1,093	\$ 4,824	\$ -	\$ -	\$ 4,824	-	-	26,301	1,420	-	4,707	0	5,288	56,532	
2051	\$ 2,988	\$ 743	\$ 1,093	\$ 4,824	\$ -	\$ -	\$ 4,824	-	-	26,301	1,420	-	4,707	0	5,288	56,532	
2052	\$ 2,988	\$ 743	\$ 1,093	\$ 4,824	\$ -	\$ -	\$ 4,824	-	-	26,301	1,420	-	4,707	0	5,288	56,532	
2053	\$ 2,988	\$ 743	\$ 1,093	\$ 4,824	\$ -	\$ -	\$ 4,824	-	-	26,301	1,420	-	4,707	0	5,288	56,532	
2054	\$ 2,988	\$ 743	\$ 1,093	\$ 4,824	\$ -	\$ -	\$ 4,824	-	-	26,301	1,420	-	4,707	0	5,288	56,532	
2055	\$ 2,988	\$ 743	\$ 1,093	\$ 4,824	\$ -	\$ -	\$ 4,824	-	-	26,301	1,420	-	4,707	0	5,288	56,532	
			A	B	C	A + B + C											
NPV (\$M)	\$ 20,628	\$ 4,834	\$ 16,639	\$ 42,101	\$ 6,246	\$ 56	\$ 48,403	69,174,308	14,903	51,389	25,813	0.23	6,896	<< 2023-2030 sum			
2023-2055								92,294,690	31,823	387,947	44,568	0.23	67,055	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Sale, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 1 - Preferred Plan (SCC), High Load Sensitivity										Emissions						Native Load		
Year	Capital +				Cost of			Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)		
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)	TOTAL PVSC (\$M)							Burn (MMBtu)	Curtailment (GWh)			
2023	\$ 767	\$ 498	\$ 745	\$ 2,010	\$ 1,203	\$ 5	\$ 3,218	15,559,360	2,232	6,673	6,093	0.06	413	41,765,909	488	34,443		
2024	\$ 843	\$ 454	\$ 753	\$ 2,050	\$ 1,239	\$ 4	\$ 3,293	15,449,650	2,094	6,591	6,092	0.06	411	39,181,327	671	35,116		
2025	\$ 883	\$ 453	\$ 776	\$ 2,112	\$ 1,244	\$ 6	\$ 3,363	14,977,276	2,730	6,526	5,656	0.05	409	51,085,720	526	35,964		
2026	\$ 964	\$ 365	\$ 774	\$ 2,103	\$ 669	\$ 6	\$ 2,778	7,768,777	2,644	2,548	2,315	0.02	329	49,479,443	3,450	35,966		
2027	\$ 1,020	\$ 266	\$ 1,224	\$ 2,510	\$ 507	\$ 4	\$ 3,020	5,680,752	1,462	3,708	1,992	0.02	529	27,350,882	4,908	37,086		
2028	\$ 1,028	\$ 241	\$ 1,350	\$ 2,619	\$ 461	\$ 4	\$ 3,084	4,997,532	1,483	10,669	2,005	0.01	1,844	27,756,650	6,095	38,378		
2029	\$ 1,094	\$ 244	\$ 1,346	\$ 2,684	\$ 327	\$ 5	\$ 3,015	3,418,296	1,780	14,835	1,363	0.01	2,697	33,308,240	6,134	39,580		
2030	\$ 1,132	\$ 264	\$ 1,289	\$ 2,685	\$ 366	\$ 6	\$ 3,057	3,698,115	2,016	20,663	1,695	0.01	3,764	37,720,222	5,580	41,028		
2031	\$ 1,298	\$ 217	\$ 1,220	\$ 2,735	\$ 205	\$ 5	\$ 2,945	2,003,004	1,732	13,475	737	-	2,270	32,402,230	7,653	42,502		
2032	\$ 1,329	\$ 228	\$ 1,161	\$ 2,718	\$ 224	\$ 6	\$ 2,948	2,111,967	1,835	14,619	859	-	2,677	34,346,153	7,311	44,283		
2033	\$ 1,403	\$ 224	\$ 1,120	\$ 2,748	\$ 217	\$ 5	\$ 2,970	1,974,783	1,733	15,746	923	-	2,930	32,422,789	8,984	45,824		
2034	\$ 1,471	\$ 229	\$ 1,078	\$ 2,778	\$ 227	\$ 6	\$ 3,011	2,001,636	1,730	17,925	1,006	-	3,198	32,367,179	9,009	47,336		
2035	\$ 1,537	\$ 233	\$ 1,085	\$ 2,856	\$ 232	\$ 6	\$ 3,094	1,977,218	1,716	21,301	1,230	-	3,861	32,108,181	9,489	48,781		
2036	\$ 1,545	\$ 244	\$ 1,255	\$ 3,044	\$ 254	\$ 6	\$ 3,304	2,091,415	1,777	22,815	1,315	-	4,178	33,256,867	8,777	50,294		
2037	\$ 1,852	\$ 167	\$ 1,544	\$ 3,562	\$ 133	\$ 4	\$ 3,699	1,058,684	959	11,255	669	-	2,017	17,944,939	22,064	51,747		
2038	\$ 1,800	\$ 189	\$ 1,624	\$ 3,614	\$ 168	\$ 4	\$ 3,786	1,290,615	1,139	15,975	916	-	2,735	21,308,995	19,566	53,346		
2039	\$ 1,829	\$ 225	\$ 1,631	\$ 3,685	\$ 210	\$ 6	\$ 3,900	1,559,697	1,410	21,702	1,288	-	3,765	26,378,678	18,671	54,897		
2040	\$ 1,867	\$ 236	\$ 1,606	\$ 3,708	\$ 236	\$ 6	\$ 3,950	1,699,030	1,476	27,227	1,591	-	4,732	27,612,188	16,641	56,417		
2041	\$ 1,987	\$ 269	\$ 1,560	\$ 3,816	\$ 223	\$ 5	\$ 4,044	1,552,476	1,141	21,593	1,164	-	3,775	23,718,247	15,377	57,441		
2042	\$ 2,269	\$ 290	\$ 1,425	\$ 3,984	\$ 202	\$ 4	\$ 4,190	1,364,272	834	18,531	1,011	-	3,302	19,501,925	13,950	58,497		
2043	\$ 2,333	\$ 318	\$ 1,406	\$ 4,057	\$ 178	\$ 3	\$ 4,238	1,164,800	617	19,186	1,036	-	3,337	16,493,014	14,295	58,111		
2044	\$ 2,552	\$ 404	\$ 1,224	\$ 4,180	\$ 185	\$ 3	\$ 4,367	1,166,190	534	22,025	1,155	-	3,631	16,661,413	12,274	59,079		
2045	\$ 2,493	\$ 483	\$ 1,311	\$ 4,287	\$ 174	\$ 2	\$ 4,463	1,065,373	409	28,019	1,512	-	4,997	15,321,538	10,940	59,782		
2046	\$ 2,686	\$ 598	\$ 1,185	\$ 4,470	\$ 167	\$ 2	\$ 4,638	988,221	303	31,835	1,715	-	5,696	14,193,953	8,454	60,517		
2047	\$ 3,017	\$ 657	\$ 939	\$ 4,613	\$ 132	\$ 1	\$ 4,746	758,432	174	32,399	1,768	-	5,967	10,850,804	8,012	61,185		
2048	\$ 3,031	\$ 752	\$ 964	\$ 4,748	\$ 97	\$ 0	\$ 4,845	542,029	83	33,121	1,779	-	5,903	7,780,008	7,647	61,946		
2049	\$ 3,346	\$ 833	\$ 740	\$ 4,918	\$ 52	\$ 0	\$ 4,971	280,700	22	32,212	1,728	-	5,729	4,057,090	6,970	62,461		
2050	\$ 4,377	\$ 817	\$ 127	\$ 5,321	\$ -	\$ -	\$ 5,321	-	-	48,897	2,575	-	8,441	0	6,914	63,076		
2051	\$ 4,377	\$ 817	\$ 127	\$ 5,321	\$ -	\$ -	\$ 5,321	-	-	48,897	2,575	-	8,441	0	6,914	63,076		
2052	\$ 4,377	\$ 817	\$ 127	\$ 5,321	\$ -	\$ -	\$ 5,321	-	-	48,897	2,575	-	8,441	0	6,914	63,076		
2053	\$ 4,377	\$ 817	\$ 127	\$ 5,321	\$ -	\$ -	\$ 5,321	-	-	48,897	2,575	-	8,441	0	6,914	63,076		
2054	\$ 4,377	\$ 817	\$ 127	\$ 5,321	\$ -	\$ -	\$ 5,321	-	-	48,897	2,575	-	8,441	0	6,914	63,076		
2055	\$ 4,377	\$ 817	\$ 127	\$ 5,321	\$ -	\$ -	\$ 5,321	-	-	48,897	2,575	-	8,441	0	6,914	63,076		
				A	B	C	A + B + C											
NPV (\$M)	\$ 23,619	\$ 5,278	\$ 15,535	\$ 44,433	\$ 6,585	\$ 63	\$ 51,081	71,549,760	16,440	72,213	27,210	0.23	10,396	<< 2023-2030 sum				
2023-2055								98,200,301	36,063	786,557	66,064	0.23	135,744	<< 2023-2055 sum				

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 1 - Preferred Plan (SCC), Low Load Sensitivity										Emissions						Native Load	
Year	Capital +				Cost of		Methane Tons (\$M)	TOTAL PVSC (\$M)	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas		Energy (GWh)
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	CO2 (\$M)	Cost of Tons (\$M)									Burn (MMBtu)	Curtailement (GWh)	
2023	\$ 756	\$ 482	\$ 744	\$ 1,983	\$ 1,179	\$ 4	\$ 3,166	15,242,765	2,099	6,579	6,027	0.06	403	39,271,527	577	33,760	
2024	\$ 823	\$ 432	\$ 753	\$ 2,008	\$ 1,198	\$ 4	\$ 3,210	14,940,837	1,887	6,430	5,975	0.06	394	35,310,865	821	34,044	
2025	\$ 855	\$ 424	\$ 774	\$ 2,053	\$ 1,185	\$ 5	\$ 3,243	14,265,438	2,388	6,312	5,495	0.05	385	44,692,977	713	34,478	
2026	\$ 906	\$ 335	\$ 800	\$ 2,041	\$ 623	\$ 5	\$ 2,669	7,234,013	2,266	2,434	2,258	0.02	304	42,403,022	2,140	34,047	
2027	\$ 952	\$ 250	\$ 1,210	\$ 2,412	\$ 483	\$ 3	\$ 2,897	5,413,326	1,284	2,603	1,915	0.02	355	24,029,590	5,034	34,600	
2028	\$ 937	\$ 213	\$ 1,362	\$ 2,512	\$ 416	\$ 3	\$ 2,931	4,502,171	1,188	3,559	1,589	0.01	678	22,231,049	6,354	35,277	
2029	\$ 999	\$ 210	\$ 1,349	\$ 2,557	\$ 281	\$ 4	\$ 2,843	2,944,357	1,376	4,791	834	0.01	1,058	25,754,061	6,523	35,922	
2030	\$ 1,048	\$ 218	\$ 1,284	\$ 2,550	\$ 302	\$ 4	\$ 2,856	3,051,342	1,465	5,315	868	0.01	1,202	27,418,305	6,219	36,793	
2031	\$ 1,177	\$ 199	\$ 1,209	\$ 2,586	\$ 181	\$ 4	\$ 2,772	1,768,028	1,530	3,544	270	-	891	28,631,992	7,014	37,721	
2032	\$ 1,222	\$ 202	\$ 1,147	\$ 2,572	\$ 188	\$ 5	\$ 2,765	1,770,716	1,543	4,434	299	-	960	28,865,435	6,936	38,877	
2033	\$ 1,284	\$ 200	\$ 1,097	\$ 2,581	\$ 183	\$ 5	\$ 2,769	1,669,882	1,462	4,824	329	-	1,025	27,363,284	8,112	39,825	
2034	\$ 1,357	\$ 210	\$ 1,049	\$ 2,617	\$ 199	\$ 5	\$ 2,821	1,755,040	1,528	4,358	297	-	938	28,591,801	8,097	40,713	
2035	\$ 1,423	\$ 212	\$ 1,070	\$ 2,705	\$ 201	\$ 5	\$ 2,911	1,712,298	1,494	5,371	387	-	1,305	27,961,364	8,551	41,519	
2036	\$ 1,439	\$ 219	\$ 1,266	\$ 2,925	\$ 216	\$ 6	\$ 3,146	1,773,773	1,528	6,774	486	-	1,608	28,589,675	7,953	42,298	
2037	\$ 1,666	\$ 160	\$ 1,551	\$ 3,377	\$ 125	\$ 3	\$ 3,505	994,785	894	3,314	245	-	741	16,730,490	17,162	43,063	
2038	\$ 1,676	\$ 178	\$ 1,690	\$ 3,544	\$ 150	\$ 4	\$ 3,698	1,150,011	1,030	5,248	353	-	1,088	19,270,885	15,388	43,922	
2039	\$ 1,737	\$ 195	\$ 1,707	\$ 3,639	\$ 175	\$ 5	\$ 3,819	1,302,892	1,152	6,054	417	-	1,266	21,556,324	15,031	44,777	
2040	\$ 1,825	\$ 194	\$ 1,679	\$ 3,698	\$ 186	\$ 5	\$ 3,890	1,341,186	1,126	7,157	500	-	1,554	21,061,531	13,666	45,537	
2041	\$ 1,955	\$ 217	\$ 1,631	\$ 3,803	\$ 171	\$ 4	\$ 3,978	1,190,677	847	5,295	347	-	1,189	17,602,456	12,737	46,246	
2042	\$ 2,235	\$ 226	\$ 1,498	\$ 3,959	\$ 150	\$ 3	\$ 4,111	1,008,013	595	3,820	258	-	848	13,926,007	11,627	47,011	
2043	\$ 2,340	\$ 236	\$ 1,473	\$ 4,050	\$ 127	\$ 2	\$ 4,179	825,690	418	3,621	258	-	879	11,171,812	12,297	46,396	
2044	\$ 2,441	\$ 295	\$ 1,407	\$ 4,142	\$ 131	\$ 2	\$ 4,275	824,976	361	4,092	273	-	901	11,270,625	10,583	47,046	
2045	\$ 2,557	\$ 360	\$ 1,379	\$ 4,296	\$ 128	\$ 1	\$ 4,425	782,027	289	5,633	370	-	1,294	10,802,722	9,591	47,695	
2046	\$ 2,686	\$ 454	\$ 1,285	\$ 4,424	\$ 126	\$ 1	\$ 4,552	747,443	221	8,328	515	-	1,805	10,350,976	7,281	48,442	
2047	\$ 2,851	\$ 493	\$ 1,257	\$ 4,601	\$ 99	\$ 1	\$ 4,702	570,948	126	9,892	622	-	2,260	7,849,313	6,812	49,211	
2048	\$ 2,944	\$ 553	\$ 1,244	\$ 4,742	\$ 72	\$ 0	\$ 4,814	402,893	59	11,095	681	-	2,441	5,525,755	6,473	49,924	
2049	\$ 3,091	\$ 609	\$ 1,235	\$ 4,935	\$ 39	\$ 0	\$ 4,974	208,510	15	7,294	451	-	1,561	2,874,903	5,792	50,529	
2050	\$ 3,453	\$ 615	\$ 1,149	\$ 5,218	\$ -	\$ -	\$ 5,218	-	-	11,723	735	-	2,705	0	5,584	51,671	
2051	\$ 3,453	\$ 615	\$ 1,149	\$ 5,218	\$ -	\$ -	\$ 5,218	-	-	11,723	735	-	2,705	0	5,584	51,671	
2052	\$ 3,453	\$ 615	\$ 1,149	\$ 5,218	\$ -	\$ -	\$ 5,218	-	-	11,723	735	-	2,705	0	5,584	51,671	
2053	\$ 3,453	\$ 615	\$ 1,149	\$ 5,218	\$ -	\$ -	\$ 5,218	-	-	11,723	735	-	2,705	0	5,584	51,671	
2054	\$ 3,453	\$ 615	\$ 1,149	\$ 5,218	\$ -	\$ -	\$ 5,218	-	-	11,723	735	-	2,705	0	5,584	51,671	
2055	\$ 3,453	\$ 615	\$ 1,149	\$ 5,218	\$ -	\$ -	\$ 5,218	-	-	11,723	735	-	2,705	0	5,584	51,671	
				A	B	C	A + B + C										
NPV (\$M)	\$ 21,717	\$ 4,530	\$ 16,959	\$ 43,205	\$ 6,068	\$ 53	\$ 49,326	67,594,248	13,953	38,023	24,961	0.23	4,778	<< 2023-2030 sum			
2023-2055								89,394,036	30,171	218,511	36,730	0.23	45,562	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Market Purchases/Sales, less Fuel.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost

Portfolio: 1 - Preferred Plan (SCC), Resource Adequacy Sensitivity										Emissions						Native Load	
Year	Capital +			Cost of			TOTAL PVSC	Carbon (tons)	Methane (tons)	NOX (tons)	SOX (tons)	HG (tons)	PM_10 (tons)	Natural Gas Burn (MMBtu)	Curtailement (GWh)	Energy Forecast (GWh)	
	Other Costs (\$M)	Fuel Costs (\$M)	O&M Costs (\$M)	TOTAL PVRR (\$M)	Cost of CO2 (\$M)	Methane Tons (\$M)											
2023	\$ 757	\$ 487	\$ 745	\$ 1,989	\$ 1,187	\$ 4	\$ 3,180	15,342,875	2,144	6,611	6,053	0.06	406	40,122,527	554	33,906	
2024	\$ 862	\$ 440	\$ 728	\$ 2,031	\$ 1,211	\$ 4	\$ 3,246	15,102,160	1,983	6,513	6,021	0.06	401	37,111,752	783	34,410	
2025	\$ 852	\$ 433	\$ 776	\$ 2,061	\$ 1,206	\$ 6	\$ 3,272	14,511,487	2,509	6,407	5,584	0.05	395	46,955,408	642	35,028	
2026	\$ 945	\$ 340	\$ 772	\$ 2,057	\$ 631	\$ 5	\$ 2,693	7,324,986	2,333	2,445	2,254	0.02	309	43,664,094	3,707	34,760	
2027	\$ 1,015	\$ 242	\$ 1,219	\$ 2,476	\$ 468	\$ 3	\$ 2,948	5,252,483	1,200	2,667	1,886	0.02	349	22,460,194	5,597	35,507	
2028	\$ 991	\$ 222	\$ 1,347	\$ 2,560	\$ 431	\$ 3	\$ 2,994	4,669,041	1,284	6,397	1,739	0.01	1,041	24,036,345	6,135	36,409	
2029	\$ 1,047	\$ 223	\$ 1,343	\$ 2,613	\$ 299	\$ 4	\$ 2,916	3,130,290	1,531	9,414	1,066	0.01	1,747	28,658,109	6,067	37,260	
2030	\$ 1,084	\$ 235	\$ 1,287	\$ 2,606	\$ 327	\$ 5	\$ 2,937	3,300,103	1,673	12,441	1,216	0.01	2,227	31,309,034	5,636	38,334	
2031	\$ 1,228	\$ 203	\$ 1,219	\$ 2,650	\$ 187	\$ 5	\$ 2,842	1,822,743	1,574	7,094	424	-	1,359	29,463,363	7,108	39,475	
2032	\$ 1,239	\$ 218	\$ 1,160	\$ 2,617	\$ 210	\$ 5	\$ 2,832	1,979,512	1,719	10,961	613	-	1,944	32,165,313	6,623	40,880	
2033	\$ 1,301	\$ 210	\$ 1,119	\$ 2,629	\$ 198	\$ 5	\$ 2,833	1,806,485	1,577	9,842	589	-	1,884	29,508,355	8,166	42,045	
2034	\$ 1,381	\$ 208	\$ 1,076	\$ 2,665	\$ 199	\$ 5	\$ 2,869	1,750,709	1,512	6,041	374	-	1,232	28,301,555	8,430	43,121	
2035	\$ 1,440	\$ 210	\$ 1,083	\$ 2,733	\$ 201	\$ 5	\$ 2,939	1,709,374	1,482	9,190	496	-	1,420	27,739,839	8,728	44,105	
2036	\$ 1,433	\$ 219	\$ 1,253	\$ 2,904	\$ 217	\$ 5	\$ 3,127	1,787,645	1,522	10,236	597	-	1,746	28,490,200	8,128	45,106	
2037	\$ 1,695	\$ 150	\$ 1,542	\$ 3,388	\$ 111	\$ 3	\$ 3,501	878,528	799	4,358	263	-	723	14,942,578	19,821	46,080	
2038	\$ 1,667	\$ 167	\$ 1,622	\$ 3,456	\$ 135	\$ 4	\$ 3,595	1,041,285	928	5,525	346	-	1,076	17,356,534	17,832	47,142	
2039	\$ 1,692	\$ 185	\$ 1,628	\$ 3,505	\$ 162	\$ 4	\$ 3,672	1,207,554	1,064	9,238	524	-	1,534	19,904,463	17,166	48,169	
2040	\$ 1,746	\$ 185	\$ 1,602	\$ 3,533	\$ 175	\$ 4	\$ 3,713	1,262,405	1,045	10,085	593	-	1,712	19,563,324	15,518	49,134	
2041	\$ 1,846	\$ 206	\$ 1,557	\$ 3,609	\$ 164	\$ 3	\$ 3,777	1,140,613	793	7,635	431	-	1,316	16,487,168	14,295	49,982	
2042	\$ 2,091	\$ 228	\$ 1,423	\$ 3,742	\$ 152	\$ 3	\$ 3,897	1,025,322	605	4,214	260	-	777	14,140,593	13,108	50,856	
2043	\$ 2,149	\$ 243	\$ 1,402	\$ 3,794	\$ 131	\$ 2	\$ 3,928	857,385	436	4,356	267	-	789	11,644,170	13,546	50,342	
2044	\$ 2,211	\$ 310	\$ 1,338	\$ 3,859	\$ 139	\$ 2	\$ 3,999	875,253	385	6,076	358	-	1,110	12,022,700	11,563	51,177	
2045	\$ 2,285	\$ 380	\$ 1,309	\$ 3,973	\$ 136	\$ 2	\$ 4,110	831,635	308	8,628	471	-	1,419	11,542,953	10,283	51,941	
2046	\$ 2,375	\$ 480	\$ 1,219	\$ 4,075	\$ 134	\$ 1	\$ 4,210	792,676	237	10,547	598	-	1,962	11,079,865	7,731	52,777	
2047	\$ 2,480	\$ 530	\$ 1,192	\$ 4,202	\$ 107	\$ 1	\$ 4,309	611,974	137	14,322	799	-	2,640	8,532,080	7,070	53,637	
2048	\$ 2,529	\$ 626	\$ 1,180	\$ 4,335	\$ 82	\$ 0	\$ 4,417	453,523	68	16,787	891	-	2,814	6,348,149	6,465	54,542	
2049	\$ 2,643	\$ 699	\$ 1,175	\$ 4,517	\$ 44	\$ 0	\$ 4,561	237,387	18	12,052	721	-	2,561	3,350,613	6,036	55,268	
2050	\$ 2,970	\$ 709	\$ 1,095	\$ 4,774	\$ -	\$ -	\$ 4,774	-	-	24,077	1,311	-	4,366	0	5,596	56,532	
2051	\$ 2,970	\$ 709	\$ 1,095	\$ 4,774	\$ -	\$ -	\$ 4,774	-	-	24,077	1,311	-	4,366	0	5,596	56,532	
2052	\$ 2,970	\$ 709	\$ 1,095	\$ 4,774	\$ -	\$ -	\$ 4,774	-	-	24,077	1,311	-	4,366	0	5,596	56,532	
2053	\$ 2,970	\$ 709	\$ 1,095	\$ 4,774	\$ -	\$ -	\$ 4,774	-	-	24,077	1,311	-	4,366	0	5,596	56,532	
2054	\$ 2,970	\$ 709	\$ 1,095	\$ 4,774	\$ -	\$ -	\$ 4,774	-	-	24,077	1,311	-	4,366	0	5,596	56,532	
2055	\$ 2,970	\$ 709	\$ 1,095	\$ 4,774	\$ -	\$ -	\$ 4,774	-	-	24,077	1,311	-	4,366	0	5,596	56,532	
				A	B	C	A + B + C										
NPV (\$M)	\$ 20,896	\$ 4,721	\$ 16,648	\$ 42,264	\$ 6,155	\$ 54	\$ 48,473	68,633,425	14,659	52,894	25,818	0.23	6,876	<< 2023-2030 sum			
2023-2055								90,705,434	30,868	364,542	43,299	0.23	63,091	<< 2023-2055 sum			

Notes: Costs do not include transmission network upgrades for delivery.
 Other costs include PPA, Generics, Mkt Purch/Salesm, less Fuel Costs.

PVRR = Present Value Revenue Requirement
 PVSC = Present Value Societal Cost