



Appendix G: Cost of Power Calculation



PURCHASED POWER

Power Purchases (kWh)

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Total Load Forecast kWh	757,899,039	696,745,902	683,807,084	600,411,775	598,849,488	642,039,976	690,405,597	687,786,591	608,787,490	617,155,764	642,874,975	728,465,039	7,955,228,721
Non RPP kWh non loss adjusted (61%)	459,514,187	422,437,040	414,592,235	364,029,659	363,082,445	389,268,837	418,592,913	417,005,010	369,107,855	374,181,540	389,775,097	441,668,353	4,823,255,173
Non RPP kWh loss adjusted	475,964,795	437,560,286	429,434,637	377,061,921	376,080,796	403,204,662	433,578,540	431,933,789	382,321,916	387,577,239	403,729,046	457,480,080	4,995,927,708

Power Purchased (kW)

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	Total
Power Purchases - coincident peak (kW)	1,303,743	1,256,387	1,161,247	1,022,656	1,018,614	1,283,634	1,410,218	1,363,680	1,202,604	1,086,439	1,146,133	1,260,000	14,515,356

DEMAND CHARGES

kW Breakdown by Type

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	
Coincident System Peak	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Transmission Network Charge IMO	0.95	0.96	0.94	0.94	0.98	0.92	0.89	0.91	0.94	0.95	0.94	0.93	0.90
Transmission Transformation Charge IMO	0.81	0.82	0.80	0.82	0.82	0.77	0.76	0.76	0.77	0.79	0.79	0.76	0.77
Transmission Line Charge IMO	0.93	0.94	0.92	0.92	0.95	0.89	0.89	0.88	0.91	0.92	0.93	0.89	0.89
Transmission Network Charge HONI	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
Transmission Transformation Charge HONI	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06
Transmission Line Charge HONI	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
Transmission Network Charge IMO	1,240,948	1,200,384	1,088,255	998,815	937,955	1,141,621	1,290,251	1,288,666	1,141,562	1,015,898	1,070,444	1,135,500	13,550,298
Transmission Transformation Charge IMO	1,055,347	1,035,170	928,694	843,026	786,122	970,373	1,077,432	1,049,812	945,171	856,145	875,709	967,294	11,390,294
Transmission Line Charge IMO	1,207,066	1,175,180	1,069,714	968,509	902,926	1,140,512	1,247,112	1,247,207	1,106,070	1,014,442	1,024,991	1,123,843	13,227,572
Transmission Network Charge HONI	113,445	109,324	101,046	88,986	88,634	111,695	122,710	118,660	104,644	94,536	99,730	109,638	1,263,049
Transmission Transformation Charge HONI	77,961	75,129	69,440	61,152	60,911	76,758	84,328	81,545	71,913	64,966	68,536	75,345	867,982
Transmission Line Charge HONI	35,484	34,195	31,606	27,834	27,724	34,937	38,382	37,116	32,732	29,570	31,195	34,294	395,067

RATES

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	AVERAGE
Commodity Charge	\$ 0.0464	\$ 0.0396	\$ 0.0396	\$ 0.0396	\$ 0.0396	\$ 0.0345	\$ 0.0345	\$ 0.0345	\$ 0.0374	\$ 0.0374	\$ 0.0374	\$ 0.0374	\$ 0.0380
Transmission Network Charge IMO	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700	\$ 3.5700
Transmission Transformation Charge IMO	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600	\$ 1.8600
Transmission Line Charge IMO	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000	\$ 0.8000
Transmission Network Charge HONI	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500	\$ 2.6500
Transmission Transformation Charge HONI	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000	\$ 1.5000
Transmission Line Charge HONI	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400	\$ 0.6400
Wholesale Market Charge (based on 2010)	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054	\$ 0.0054

Cost of Power

	JAN	FEB	MAR	APR	MAY	JUN	JULY	AUG	SEPT	OCT	NOV	DEC	TOTAL
Commodity Charge	\$ 35,189,252	\$ 27,612,040	\$ 27,099,275	\$ 23,794,319	\$ 20,666,296	\$ 22,156,800	\$ 23,825,897	\$ 25,702,585	\$ 22,750,389	\$ 23,063,111	\$ 24,024,238	\$ 27,222,739	\$ 303,106,939
Difference between Fixed Price and HOEP	\$ 12,362,932	\$ 9,939,232	\$ 9,446,598	\$ 7,942,833	\$ 8,756,865	\$ 9,733,704	\$ 10,658,293	\$ 9,801,328	\$ 8,276,820	\$ 8,559,615	\$ 9,257,670	\$ 10,888,702	\$ 115,624,591
Transmission Network Charge IMO	\$ 4,430,185	\$ 4,285,372	\$ 3,885,072	\$ 3,565,768	\$ 3,348,500	\$ 4,075,586	\$ 4,606,196	\$ 4,600,536	\$ 4,075,377	\$ 3,626,756	\$ 3,821,484	\$ 4,053,735	\$ 48,374,565
Transmission Transformation Charge IMO	\$ 1,962,946	\$ 1,925,416	\$ 1,727,371	\$ 1,568,027	\$ 1,462,187	\$ 1,804,894	\$ 2,004,023	\$ 1,952,651	\$ 1,758,018	\$ 1,592,429	\$ 1,628,819	\$ 1,799,166	\$ 21,185,948
Transmission Line Charge IMO	\$ 965,653	\$ 940,144	\$ 855,772	\$ 774,808	\$ 722,341	\$ 912,409	\$ 997,689	\$ 997,765	\$ 884,856	\$ 811,553	\$ 819,992	\$ 899,074	\$ 10,582,058
Transmission Network Charge HONI	\$ 300,629	\$ 289,709	\$ 267,771	\$ 235,813	\$ 234,881	\$ 295,992	\$ 325,181	\$ 314,450	\$ 277,307	\$ 250,521	\$ 264,286	\$ 290,542	\$ 3,347,080
Transmission Transformation Charge HONI	\$ 116,941	\$ 112,693	\$ 104,159	\$ 91,728	\$ 91,366	\$ 115,137	\$ 126,491	\$ 122,317	\$ 107,869	\$ 97,450	\$ 102,804	\$ 113,017	\$ 1,301,973
Transmission Line Charge HONI	\$ 22,710	\$ 21,885	\$ 20,228	\$ 17,814	\$ 17,743	\$ 22,360	\$ 24,565	\$ 23,754	\$ 20,948	\$ 18,925	\$ 19,965	\$ 21,948	\$ 252,843
Wholesale Market Charge	\$ 4,092,655	\$ 3,762,428	\$ 3,692,558	\$ 3,242,224	\$ 3,233,787	\$ 3,467,016	\$ 3,728,190	\$ 3,714,048	\$ 3,287,452	\$ 3,332,641	\$ 3,471,525	\$ 3,933,711	\$ 42,958,235
LV Charges	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 440,000
Total	\$ 59,480,569	\$ 48,925,586	\$ 47,135,469	\$ 41,270,001	\$ 38,570,001	\$ 42,620,564	\$ 46,333,192	\$ 47,266,100	\$ 41,475,703	\$ 41,389,667	\$ 43,447,448	\$ 49,259,301	\$ 547,174,232
Global Adjustment Rate /kWh	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822	\$ 0.02822
Global Adjustment	\$ 13,431,727	\$ 12,347,951	\$ 12,118,645	\$ 10,640,687	\$ 10,613,000	\$ 11,378,436	\$ 12,235,586	\$ 12,189,172	\$ 10,789,124	\$ 10,937,430	\$ 11,393,234	\$ 12,910,088	\$ 140,985,080

Cost of Power Summary

Commodity with global adjustment	\$ 60,983,911	\$ 49,899,223	\$ 48,664,518	\$ 42,377,839	\$ 40,036,161	\$ 43,268,939	\$ 46,719,776	\$ 47,693,084	\$ 41,816,333	\$ 42,560,156	\$ 44,675,141	\$ 51,021,528	\$ 559,716,610
Transmission Network	\$ 4,730,814	\$ 4,575,081	\$ 4,152,842	\$ 3,801,581	\$ 3,583,381	\$ 4,371,578	\$ 4,931,377	\$ 4,914,986	\$ 4,352,684	\$ 3,877,277	\$ 4,085,769	\$ 4,344,277	\$ 51,721,645
Transmission Connection	\$ 3,068,250	\$ 3,000,139	\$ 2,707,529	\$ 2,452,377	\$ 2,293,636	\$ 2,854,800	\$ 3,152,768	\$ 3,096,487	\$ 2,771,692	\$ 2,520,357	\$ 2,571,580	\$ 2,833,206	\$ 33,322,821
Low Voltage Switchgear Credit	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 238,000	-\$ 2,856,000
Wholesale Market	\$ 4,092,655	\$ 3,762,428	\$ 3,692,558	\$ 3,242,224	\$ 3,233,787	\$ 3,467,016	\$ 3,728,190	\$ 3,714,048	\$ 3,287,452	\$ 3,332,641	\$ 3,471,525	\$ 3,933,711	\$ 42,958,235
LV Charges	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 36,667	\$ 440,000
Total	\$ 72,674,295	\$ 61,035,537	\$ 59,016,115	\$ 51,672,688	\$ 48,945,632	\$ 53,760,999	\$ 58,330,778	\$ 59,217,271	\$ 52,026,828	\$ 52,089,097	\$ 54,602,681	\$ 61,931,389	\$ 685,303,311