

2010 Prospective Cost of Service Study
Prospective Peak Load Responsibility Report

Energy (MWh) Weighted by Marginal Cost (Hydraulic for Domestic and Export Classes)

	2009/10 Forecast	Spring			Summer			Fall			Winter			Total	Weighted Energy/1000
		Peak	Shoulder	Off Peak	Peak	Shoulder	Off Peak	Peak	Shoulder	Off Peak	Peak	Shoulder	Off Peak		
Residential	7,831,948,530	252,136,339	479,694,560	307,643,591	485,872,434	908,179,538	460,964,880	332,979,991	604,043,107	377,993,173	888,009,681	1,627,361,716	1,107,069,520	7,831,948,530	19,536,101
Res FRWH	19,891,874	804,167	1,529,944	981,202	1,736,716	3,246,223	1,647,686	839,482	1,522,864	952,966	1,625,440	2,978,772	2,026,413	19,891,874	48,423
Res Seasonal	83,957,616	3,854,883	7,333,995	4,703,527	9,320,219	17,421,100	8,842,431	3,062,230	5,555,045	3,476,191	4,997,938	9,159,194	6,230,861	83,957,616	201,202
GS Small Non Demand	1,699,975,517	63,169,675	113,139,517	65,546,470	146,108,969	213,161,587	119,242,216	74,882,670	129,202,012	77,800,874	178,737,740	315,750,229	203,233,558	1,699,975,517	4,247,235
GSS FRWH	6,304,394	274,438	491,530	284,764	641,661	936,133	523,671	279,126	481,602	290,004	538,339	951,007	612,118	6,304,394	15,525
GSS Seasonal	5,382,794	303,111	542,885	314,516	869,542	1,268,594	709,649	168,356	290,480	174,917	189,759	335,220	215,765	5,382,794	12,839
GS Small Demand	2,281,353,953	83,696,379	146,991,056	89,302,491	178,266,239	291,346,879	169,911,019	102,245,928	175,932,915	109,787,832	237,144,144	419,771,724	276,957,347	2,281,353,953	5,655,564
GS Medium	3,476,648,890	134,938,050	236,401,141	144,503,448	299,209,167	488,425,641	290,457,394	151,794,756	261,316,524	161,893,687	335,856,518	588,768,733	383,083,834	3,476,648,890	8,566,269
GS Large <30kV	1,743,068,864	72,793,420	121,835,898	79,369,038	158,098,820	250,217,035	163,029,274	77,257,665	127,092,422	84,510,777	160,622,548	267,725,792	180,516,176	1,743,068,864	4,256,626
GS Large 30-100kV	1,030,440,052	36,014,278	70,371,417	54,785,569	72,849,372	137,393,514	107,295,480	40,343,284	76,440,296	60,481,821	85,437,291	162,800,908	126,226,822	1,030,440,052	2,437,875
GS Large 30-100kV Curtail	242,666,448	8,832,789	17,502,414	13,231,349	17,677,043	34,343,935	26,157,653	9,245,286	18,009,863	13,671,209	18,916,414	36,979,088	28,099,404	242,666,448	572,157
GS Large > 100kV	3,136,017,512	120,097,255	230,388,001	179,079,534	218,539,949	408,120,391	319,486,835	123,161,343	233,179,627	181,811,562	256,720,419	487,396,415	378,036,182	3,136,017,512	7,412,217
GS Large > 100kV Curtail	2,991,082,697	108,157,981	211,855,092	162,298,696	217,935,677	427,598,356	329,943,486	112,870,159	218,683,496	167,898,520	232,764,416	453,985,199	347,091,620	2,991,082,697	7,042,243
Streetlights	115,848,424	-	4,402,240	10,831,828	463,394	8,225,238	21,721,579	3,359,604	6,603,360	13,206,720	7,877,693	13,264,645	25,892,123	115,848,424	232,378
Total	24,664,587,563	885,072,765	1,642,479,689	1,112,876,023	1,807,589,201	3,189,884,162	2,019,933,252	1,032,489,881	1,858,353,614	1,253,950,253	2,409,438,340	4,387,228,642	3,065,291,741	24,664,587,563	60,236,653
Exports	6,424,000,000	374,082,464	599,973,034	266,694,981	821,308,537	1,336,495,478	648,409,340	247,670,381	422,821,900	231,537,059	416,739,624	697,752,991	360,514,212	6,424,000,000	15,786,874
Weighting Factor		2.712	2.344	1.380	3.435	2.484	1.000	2.793	2.305	1.440	3.845	2.652	2.096		

Energy (MWh) Weighted by Marginal Cost (Thermal for Domestic Classes)

	2009/10 Forecast	Spring			Summer			Fall			Winter			Total	Weighted Energy/1000
		Peak	Shoulder	Off Peak	Peak	Shoulder	Off Peak	Peak	Shoulder	Off Peak	Peak	Shoulder	Off Peak		
Residential	50,171,034	1,615,172	3,072,897	1,970,748	3,112,472	5,817,748	2,952,916	2,133,052	3,869,467	2,421,404	5,688,541	10,424,790	7,091,827	50,171,034	125,147
Res FRWH	127,426	5,151	9,801	6,286	11,125	20,795	10,555	5,378	9,755	6,105	10,412	19,082	12,981	127,426	310
Res Seasonal	537,828	24,694	46,981	30,131	59,705	111,599	56,644	19,616	35,585	22,268	32,017	58,673	39,915	537,828	1,289
GS Small Non Demand	10,889,950	404,661	724,766	419,887	935,966	1,365,501	763,859	479,694	827,661	498,388	1,144,984	2,022,679	1,301,903	10,889,950	27,208
GSS FRWH	40,386	1,758	3,149	1,824	4,110	5,997	3,355	1,788	3,085	1,858	3,449	6,092	3,921	40,386	99
GSS Seasonal	34,482	1,942	3,478	2,015	5,570	8,127	4,546	1,078	1,861	1,121	1,216	2,147	1,382	34,482	82
GS Small Demand	14,614,229	536,154	941,617	572,067	1,141,964	1,866,352	1,088,441	654,982	1,127,017	703,295	1,519,132	2,689,035	1,774,174	14,614,229	36,229
GS Medium	22,271,223	864,406	1,514,373	925,681	1,916,718	3,128,828	1,860,654	972,389	1,673,979	1,037,082	2,151,478	3,771,620	2,454,014	22,271,223	54,875
GS Large <30kV	11,166,004	466,311	780,474	508,434	1,012,772	1,602,877	1,044,357	494,908	814,147	541,371	1,028,939	1,715,037	1,156,377	11,166,004	27,268
GS Large 30-100kV	6,600,943	230,705	450,795	350,953	466,669	880,135	687,329	258,437	489,672	387,443	547,307	1,042,894	808,602	6,600,943	15,617
GS Large 30-100kV Curtail	1,554,508	56,582	112,120	84,759	113,238	220,005	167,564	59,225	115,370	87,577	121,178	236,886	180,003	1,554,508	3,665
GS Large > 100kV	20,089,157	769,336	1,475,853	1,147,174	1,399,955	2,614,397	2,046,615	788,965	1,493,736	1,164,675	1,644,537	3,122,235	2,421,679	20,089,157	47,482
GS Large > 100kV Curtail	19,160,712	692,854	1,357,132	1,039,677	1,396,084	2,739,172	2,113,600	723,040	1,490,875	1,075,549	1,491,076	2,908,204	2,223,450	19,160,712	45,112
Streetlights	742,119	-	28,201	69,388	2,968	52,690	139,147	21,521	42,301	84,602	50,464	84,973	165,864	742,119	1,489
Thermal Generation	158,000,000	5,669,728	10,521,635	7,129,023	11,579,318	20,434,224	12,939,582	6,614,074	11,904,512	8,032,737	15,434,730	28,104,347	19,636,091	158,000,000	385,873
Exports	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Weighting Factor		2.712	2.344	1.380	3.435	2.484	1.000	2.793	2.305	1.440	3.845	2.652	2.096		

Definition of Periods

Spring (April 1 to May 31)

Peak = 7:00 am to 11:00 am and 4:00 pm to 8:00 pm weekdays

Shoulder = 11:00 am to 4:00 pm weekdays; 8:00 pm to 11:00 pm weekdays; 7:00 am to 11:00 pm weekends & Holidays

Off-Peak = 11:00 pm to 7:00 am everyday

Summer (June 1 to Sept 30)

Peak = 12:00 noon to 8:00 pm weekdays

Shoulder = 7:00 am to 12:00 noon weekdays; 8:00 pm to 11:00 pm weekdays; 7:00 am to 11:00 pm weekends & Holidays

Off-Peak = 11:00 pm to 7:00 am everyday

Fall (Oct 1 to Nov 30)

Peak = 7:00 am to 11:00 am and 4:00 pm to 8:00 pm weekdays

Shoulder = 11:00 am to 4:00 pm weekdays; 8:00 pm to 11:00 pm weekdays; 7:00 am to 11:00 pm weekends & Holidays

Off-Peak = 11:00 pm to 7:00 am everyday

Winter (December 1 to March 31)

Peak = 7:00 am to 11:00 am and 4:00 pm to 8:00 pm weekdays

Shoulder = 11:00 am to 4:00 pm weekdays; 8:00 pm to 11:00 pm weekdays; 7:00 am to 11:00 pm weekends & Holidays

Off-Peak = 11:00 pm to 7:00 am everyday