

Appendix C

Energy Probe 36

Original IRR Energy Probe 12b & 12c

Welland Hydro Weather Normal Load Forecast for 2013 Rate Application-Energy Probe 36

	Original Application 2013 Weather Normal	Energy Probe 12 B 2013 Weather Normal	Difference	Variable Distribution Rate	Distribution Income Change	Energy Probe 12 C 2013 Weather Normal	Difference	Variable Distribution Rate	Distribution Income Change
Actual kWh Purchases									
Predicted kWh Purchases	442,113,423	445,422,993	3,309,570			451,185,227	9,071,804		
% Difference									
Billed kWh	417,830,794	421,003,338	3,172,544			426,526,999	8,696,205		
By Class									
Residential									
Customers	20,432	20,432				20,432			
kWh	160,995,683	162,564,682	1,568,999	0.0141	22123	165,296,439	4,300,756	0.0141	60641
General Service< 50 kW									
Customers	1,696	1,696				1,696			
kWh	54,236,152	54,784,207	548,055	0.0085	4658	55,738,416	1,502,264	0.0085	12769
General Service> 50 kW									
Customers	169	169				169			
kWh	140,269,569	141,325,059	1,055,490			143,162,754	2,893,185		
kW	389,693	392,626	2,933	1.3978	4099	397,731	8,038	1.3978	11235
kW-Transformer Credit	180,834	182,195	1,361	-0.7	-953	184,564	3,730	-0.7	-2611
Large User									
Customers	1	1				1			
kWh	59,134,727	59,134,727	0			59,134,727	0		
kW	167,672	167,672	0			167,672	0		
Streetlights									
Connections	6,750	6,750				6,750			
kWh	1,264,642	1,264,642	0			1,264,642	0		
kW	3,552	3,552	0			3,552	0		
Sentinel Lights									
Connections	574	574				574			
kWh	826,332	826,332	0			826,332	0		
kW	2,297	2,297	0			2,297	0		
Unmetered Loads									
Connections	225	225				225			
kWh	1,103,690	1,103,690	0			1,103,690	0		
Total of Above									
Customer/Connections	29,847	29,847				29,847			
kWh	417,830,794	421,003,338	3,172,544			426,526,999	8,696,205		
kW from applicable classes	563,214	566,147	2,933			571,252	8,038		
Change in Distribution Revenue					29928				82034

Welland Hydro Weather Normal Load Forecast for 2013 Rate Application-Original

	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Weather Normal	2013 Weather Normal
Actual kWh Purchases	522,661,540	497,113,270	501,185,430	520,774,860	488,381,990	493,927,030	487,062,910	419,617,213	443,594,623	452,100,623		
Predicted kWh Purchases	516,327,182	503,560,323	499,574,384	521,977,942	490,682,920	488,407,424	465,659,607	447,588,392	451,994,246	440,647,070	442,326,032	442,113,423
% Difference	-1.2%	1.3%	-0.3%	0.2%	0.5%	-1.1%	-4.4%	6.7%	1.9%	-2.5%		
Billed kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	421,023,523	417,830,794
By Class												
Residential												
Customers	18,178	18,298	18,498	18,756	18,915	18,996	19,137	19,277	19,434	19,724	20,075	20,432
kWh	163,758,008	157,611,434	158,198,542	170,925,879	160,694,398	162,856,080	157,944,948	152,428,518	159,733,338	158,621,921	161,757,930	160,995,683
General Service< 50 kW												
Customers	1,680	1,684	1,683	1,691	1,668	1,657	1,676	1,690	1,691	1,694	1,695	1,696
kWh	47,941,435	46,463,108	49,935,622	52,581,299	50,343,291	53,416,948	55,072,082	54,644,526	54,185,000	54,435,719	54,504,980	54,236,152
General Service> 50 kW												
Customers	239	236	217	208	209	194	176	171	172	170	169	169
kWh	220,590,238	148,754,541	145,858,311	147,125,296	146,968,683	163,224,573	145,113,727	135,381,161	144,932,476	150,174,158	141,048,217	140,269,569
kW	551,946	449,454	418,533	415,116	414,301	441,184	417,425	390,493	432,238	417,210	386,714	389,693
Large User												
Customers	1	3	3	3	3	2	3	3	1	1	1	1
kWh	63,949,901	118,136,694	123,252,607	124,361,165	102,933,628	84,038,365	102,587,954	51,909,228	58,704,363	59,993,492	59,563,454	59,134,727
kW	193,768	293,338	287,801	296,227	313,394	248,610	271,979	195,437	168,338	170,236	168,888	167,672
Streetlights												
Connections	6,412	6,458	6,471	6,520	6,558	6,610	6,671	6,709	6,738	6,750	6,750	6,750
kWh	4,578,874	4,648,825	4,671,053	4,673,771	4,688,652	4,691,239	4,724,654	4,691,957	4,700,576	4,709,765	2,203,348	1,264,642
kW	11,857	12,975	13,024	13,039	13,084	13,086	13,186	13,091	13,119	13,068	6,144	3,552
Sentinel Lights												
Connections	765	758	750	739	732	704	689	680	679	652	574	574
kWh	608,625	1,025,571	1,029,432	1,000,000	1,010,963	980,631	949,655	1,052,725	908,962	894,240	832,323	826,332
kW	2,536	2,929	3,192	2,844	2,812	3,042	2,690	3,631	2,816	2,462	2,297	2,297
Unmetered Loads												
Connections	225	229	232	234	233	232	232	231	227	226	226	225
kWh	1,013,836	1,222,622	1,196,223	1,199,588	1,206,598	1,144,163	1,157,796	1,151,826	1,128,127	1,122,904	1,113,272	1,103,690
Total of Above												
Customer/Connections	27,500	27,665	27,854	28,151	28,317	28,395	28,584	28,761	28,942	29,215	29,489	29,847
kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	421,023,523	417,830,794
kW from applicable classes	760,106	758,696	722,549	727,226	743,591	705,922	705,280	602,652	616,511	602,976	564,043	563,214
Total from Model												
Customer/Connections	27,500	27,665	27,854	28,151	28,317	28,395	28,584	28,761	28,942	29,215	29,489	29,847
kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	421,023,523	417,830,794
kW from applicable classes	760,106	758,696	722,549	727,226	743,591	705,922	705,280	602,652	616,511	602,976	564,043	563,214
Check should all be zero												
Customer/Connections	0	0	0	0	0	0	0	0	0	0	0	0
kWh	0	0	0	0	0	0	0	0	0	0	0	0
kW from applicable classes	0	0	0	0	0	0	0	0	0	0	0	0
Summary												
Actual kWh Purchases	523	497	501	521	488	494	487	420	444	452		
Predicted kWh Purchases	516	504	500	522	491	488	466	448	452	441		

Welland Hydro Weather Normal Load Forecast for 2013 Rate Application Energy Probe 12b

	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Weather Normal	2013 Weather Normal
Actual kWh Purchases	522,661,540	497,113,270	501,185,430	520,774,860	488,381,990	493,927,030	487,062,910	419,617,213	443,594,623	452,100,623		
Predicted kWh Purchases	511,429,992	500,911,720	498,841,459	523,829,686	493,505,819	492,791,244	468,723,934	446,629,668	450,222,026	439,533,942	443,219,092	445,422,993
% Difference	-2.1%	0.8%	-0.5%	0.6%	1.0%	-0.2%	-3.8%	6.4%	1.5%	-2.8%		
Billed kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	421,879,607	421,003,338
By Class												
Residential												
Customers	18,178	18,298	18,498	18,756	18,915	18,996	19,137	19,277	19,434	19,724	20,075	20,432
kWh	163,758,008	157,611,434	158,198,542	170,925,879	160,694,398	162,856,080	157,944,948	152,428,518	159,733,338	158,621,921	162,181,245	162,564,682
General Service< 50 kW												
Customers	1,680	1,684	1,683	1,691	1,668	1,657	1,676	1,690	1,691	1,694	1,695	1,696
kWh	47,941,435	46,463,108	49,935,622	52,581,299	50,343,291	53,416,948	55,072,082	54,644,526	54,185,000	54,435,719	54,651,543	54,784,207
General Service> 50 kW												
Customers	239	236	217	208	209	194	176	171	172	170	169	169
kWh	220,590,238	148,754,541	145,858,311	147,125,296	146,968,683	163,224,573	145,113,727	135,381,161	144,932,476	150,174,158	141,334,424	141,325,059
kW	551,946	449,454	418,533	415,116	414,301	441,184	417,425	390,493	432,238	417,210	386,714	392,626
Large User												
Customers	1	3	3	3	3	2	3	3	1	1	1	1
kWh	63,949,901	118,136,694	123,252,607	124,361,165	102,933,628	84,038,365	102,587,954	51,909,228	58,704,363	59,993,492	59,563,454	59,134,727
kW	193,768	293,338	287,801	296,227	313,394	248,610	271,979	195,437	168,338	170,236	168,888	167,672
Streetlights												
Connections	6,412	6,458	6,471	6,520	6,558	6,610	6,671	6,709	6,738	6,750	6,750	6,750
kWh	4,578,874	4,648,825	4,671,053	4,673,771	4,688,652	4,691,239	4,724,654	4,691,957	4,700,576	4,709,765	2,203,348	1,264,642
kW	11,857	12,975	13,024	13,039	13,084	13,086	13,186	13,091	13,119	13,068	6,144	3,552
Sentinel Lights												
Connections	765	758	750	739	732	704	689	680	679	652	574	574
kWh	608,625	1,025,571	1,029,432	1,000,000	1,010,963	980,631	949,655	1,052,725	908,962	894,240	832,323	826,332
kW	2,536	2,929	3,192	2,844	2,812	3,042	2,690	3,631	2,816	2,462	2,297	2,297
Unmetered Loads												
Connections	225	229	232	234	233	232	232	231	227	226	226	225
kWh	1,013,836	1,222,622	1,196,223	1,199,588	1,206,598	1,144,163	1,157,796	1,151,826	1,128,127	1,122,904	1,113,272	1,103,690
Total of Above												
Customer/Connections	27,500	27,665	27,854	28,151	28,317	28,395	28,584	28,761	28,942	29,215	29,489	29,847
kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	421,879,607	421,003,338
kW from applicable classes	760,106	758,696	722,549	727,226	743,591	705,922	705,280	602,652	616,511	602,976	564,043	566,147
Total from Model												
Customer/Connections	27,500	27,665	27,854	28,151	28,317	28,395	28,584	28,761	28,942	29,215	29,489	29,847
kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	421,879,607	421,003,338
kW from applicable classes	760,106	758,696	722,549	727,226	743,591	705,922	705,280	602,652	616,511	602,976	564,043	566,147
Check should all be zero												
Customer/Connections	0	0	0	0	0	0	0	0	0	0	0	0
kWh	0	0	0	0	0	0	0	0	0	0	0	0
kW from applicable classes	0	0	0	0	0	0	0	0	0	0	0	0
Summary												
Actual kWh Purchases	523	497	501	521	488	494	487	420	444	452		
Predicted kWh Purchases	511	501	499	524	494	493	469	447	450	440		

Welland Hydro Weather Normal Load Forecast for 2013 Rate Application Energy Prbe 12c

	2002 Actual	2003 Actual	2004 Actual	2005 Actual	2006 Actual	2007 Actual	2008 Actual	2009 Actual	2010 Actual	2011 Actual	2012 Weather Normal	2013 Weather Normal
Actual kWh Purchases	522,661,540	497,113,270	501,185,430	520,774,860	488,381,990	493,927,030	487,062,910	419,617,213	443,594,623	452,100,623		
Predicted kWh Purchases	516,420,125	504,027,109	500,139,050	521,960,896	492,852,518	491,352,367	470,792,726	419,617,213	459,369,206	449,888,279	451,467,465	451,185,227
% Difference	-1.2%	1.4%	-0.2%	0.2%	0.9%	-0.5%	-3.3%	0.0%	3.6%	-0.5%		
Billed kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	429,786,474	426,526,999
By Class												
Residential												
Customers	18,178	18,298	18,498	18,756	18,915	18,996	19,137	19,277	19,434	19,724	20,075	20,432
kWh	163,758,008	157,611,434	158,198,542	170,925,879	160,694,398	162,856,080	157,944,948	152,428,518	159,733,338	158,621,921	166,091,017	165,296,439
General Service< 50 kW												
Customers	1,680	1,684	1,683	1,691	1,668	1,657	1,676	1,690	1,691	1,694	1,695	1,696
kWh	47,941,435	46,463,108	49,935,622	52,581,299	50,343,291	53,416,948	55,072,082	54,644,526	54,185,000	54,435,719	56,005,212	55,738,416
General Service> 50 kW												
Customers	239	236	217	208	209	194	176	171	172	170	169	169
kWh	220,590,238	148,754,541	145,858,311	147,125,296	146,968,683	163,224,573	145,113,727	135,381,161	144,932,476	150,174,158	143,977,849	143,162,754
kW	551,946	449,454	418,533	415,116	414,301	441,184	417,425	390,493	432,238	417,210	386,714	397,731
Large User												
Customers	1	3	3	3	3	2	3	3	1	1	1	1
kWh	63,949,901	118,136,694	123,252,607	124,361,165	102,933,628	84,038,365	102,587,954	51,909,228	58,704,363	59,993,492	59,563,454	59,134,727
kW	193,768	293,338	287,801	296,227	313,394	248,610	271,979	195,437	168,338	170,236	168,888	167,672
Streetlights												
Connections	6,412	6,458	6,471	6,520	6,558	6,610	6,671	6,709	6,738	6,750	6,750	6,750
kWh	4,578,874	4,648,825	4,671,053	4,673,771	4,688,652	4,691,239	4,724,654	4,691,957	4,700,576	4,709,765	2,203,348	1,264,642
kW	11,857	12,975	13,024	13,039	13,084	13,086	13,186	13,091	13,119	13,068	6,144	3,552
Sentinel Lights												
Connections	765	758	750	739	732	704	689	680	679	652	574	574
kWh	608,625	1,025,571	1,029,432	1,000,000	1,010,963	980,631	949,655	1,052,725	908,962	894,240	832,323	826,332
kW	2,536	2,929	3,192	2,844	2,812	3,042	2,690	3,631	2,816	2,462	2,297	2,297
Unmetered Loads												
Connections	225	229	232	234	233	232	232	231	227	226	226	225
kWh	1,013,836	1,222,622	1,196,223	1,199,588	1,206,598	1,144,163	1,157,796	1,151,826	1,128,127	1,122,904	1,113,272	1,103,690
Total of Above												
Customer/Connections	27,500	27,665	27,854	28,151	28,317	28,395	28,584	28,761	28,942	29,215	29,489	29,847
kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	429,786,474	426,526,999
kW from applicable classes	760,106	758,696	722,549	727,226	743,591	705,922	705,280	602,652	616,511	602,976	564,043	571,252
Total from Model												
Customer/Connections	27,500	27,665	27,854	28,151	28,317	28,395	28,584	28,761	28,942	29,215	29,489	29,847
kWh	502,440,916	477,862,795	484,141,790	501,866,998	467,846,213	470,352,000	467,550,816	401,259,942	424,292,841	429,952,199	429,786,474	426,526,999
kW from applicable classes	760,106	758,696	722,549	727,226	743,591	705,922	705,280	602,652	616,511	602,976	564,043	571,252
Check should all be zero												
Customer/Connections	0	0	0	0	0	0	0	0	0	0	0	0
kWh	0	0	0	0	0	0	0	0	0	0	0	0
kW from applicable classes	0	0	0	0	0	0	0	0	0	0	0	0
Summary												
Actual kWh Purchases	523	497	501	521	488	494	487	420	444	452		
Predicted kWh Purchases	516	504	500	522	493	491	471	420	459	450		

Original Application

2013 Load Forecast	kWh	kW	2011 %RPP
Residential	160,995,683		88%
General Service < 50 kW	54,236,152		86%
General Service 50 to 4,999 kW	140,269,569	389,693	13%
Street Lighting	1,264,642	3,552	0%
Sentinel Lighting	826,332	2,297	96%
Unmetered Scattered Load	1,103,690		96%
Large Use	59,134,727	167,672	0%
TOTAL	417,830,795	563,214	

Electricity - Commodity RPP	2013 Forecasted	2013 Loss Factor	2013		
Class per Load Forecast RPP					
Residential	141,096,617	1.0532	148,602,957	\$0.08069	\$11,990,773
General Service < 50 kW	46,691,903	1.0532	49,175,913	\$0.08069	\$3,968,004
General Service 50 to 4,999 kW	17,856,316	1.0502	18,753,309	\$0.08069	\$1,513,205
Street Lighting	0	1.0532	0	\$0.08069	\$0
Sentinel Lighting	793,692	1.0532	835,916	\$0.08069	\$67,450
Unmetered Scattered Load	1,054,024	1.0532	1,110,098	\$0.08069	\$89,574
Large Use	0	1.0045	0	\$0.08069	\$0
TOTAL	207,492,552		218,478,193		\$17,629,005

Electricity - Commodity Non-RPP	2013 Forecasted	2013 Loss Factor	2013		
Class per Load Forecast					
Residential	19,899,066	1.0532	20,957,697	\$0.07877	\$1,650,838
General Service < 50 kW	7,544,249	1.0532	7,945,603	\$0.07877	\$625,875
General Service 50 to 4,999 kW	122,413,253	1.0502	128,562,554	\$0.07877	\$10,126,872
Street Lighting	1,264,642	1.0532	1,331,921	\$0.07877	\$104,915
Sentinel Lighting	32,640	1.0532	34,377	\$0.07877	\$2,708
Unmetered Scattered Load	49,666	1.0532	52,308	\$0.07877	\$4,120
Large Use	59,134,727	1.0045	59,400,833	\$0.07877	\$4,679,004
TOTAL	210,338,243		158,884,459		\$17,194,333

Transmission - Network		Volume Metric	2013		
Class per Load Forecast					
Residential		kWh	169,560,653	\$0.0080	\$1,356,485
General Service < 50 kW		kWh	57,121,515	\$0.0071	\$405,563
General Service 50 to 4,999 kW		kW	389,693	\$2.4279	\$946,141
Street Lighting		kW	2,272	\$2.2633	\$5,142
Sentinel Lighting		kW	2,297	\$2.2682	\$5,210
Unmetered Scattered Load		kWh	1,162,406	\$0.0071	\$8,253
Large Use		kW	167,672	\$1.7701	\$296,796
TOTAL					\$3,023,591

Transmission - Connection		Volume Metric	2013		
Class per Load Forecast					
Residential		kWh	169,560,653	\$0.0056	\$949,540
General Service < 50 kW		kWh	57,121,515	\$0.0049	\$279,895
General Service 50 to 4,999 kW		kW	389,693	\$1.8093	\$705,087
Street Lighting		kW	3,552	\$1.5640	\$5,555
Sentinel Lighting		kW	2,297	\$1.5674	\$3,600
Unmetered Scattered Load		kWh	1,162,406	\$0.0049	\$5,696
Large Use		kW	167,672	\$2.2384	\$375,317
TOTAL					\$2,324,691

Wholesale Market Service				2013	
Class per Load Forecast					
Residential		kWh	169,560,653	\$0.0052	\$881,715
General Service < 50 kW		kWh	57,121,515	\$0.0052	\$297,032
General Service 50 to 4,999 kW		kWh	147,315,864	\$0.0052	\$766,042
Street Lighting		kWh	1,331,921	\$0.0052	\$6,926
Sentinel Lighting		kWh	870,293	\$0.0052	\$4,526
Unmetered Scattered Load		kWh	1,162,406	\$0.0052	\$6,045
Large Use		kWh	59,400,833	\$0.0052	\$308,884
TOTAL			436,763,486		\$2,271,170

Rural Rate Assistance				2013	
Class per Load Forecast					
Residential		kWh	169,560,653	\$0.0011	\$186,517
General Service < 50 kW		kWh	57,121,515	\$0.0011	\$62,834
General Service 50 to 4,999 kW		kWh	147,315,864	\$0.0011	\$162,047
Street Lighting		kWh	1,331,921	\$0.0011	\$1,465
Sentinel Lighting		kWh	870,293	\$0.0011	\$957
Unmetered Scattered Load		kWh	1,162,406	\$0.0011	\$1,279
Large Use		kWh	59,400,833	\$0.0011	\$65,341
TOTAL			436,763,486		\$480,440

2013	
4705-Power Purchased	\$34,823,338
4708-Charges-WMS	\$2,271,170
4712-IESO Smart Meter Charge	\$214,022
4714-Charges-NW	\$3,023,591
4716-Charges-CN	\$2,324,691
4730-Rural Rate Assistance	\$480,440
4750-Low Voltage	
TOTAL	43,137,251

Energy Probe 12b

2013 Load Forecast	kWh	kW	2011 %RPP
Residential	162,564,682		88%
General Service < 50 kW	54,784,207		86%
General Service 50 to 4,999 kW	141,325,059	389,693	13%
Street Lighting	1,264,642	3,552	0%
Sentinel Lighting	826,332	2,297	96%
Unmetered Scattered Load	1,103,690		96%
Large Use	59,134,727	167,672	0%
TOTAL	421,003,339	563,214	

Electricity - Commodity RPP	2013	2013 Loss			
Class per Load Forecast RPP	Forecasted	Factor	2013		
Residential	142,471,687	1.0532	150,051,181	\$0.08069	\$12,107,630
General Service < 50 kW	47,163,724	1.0532	49,672,834	\$0.08069	\$4,008,101
General Service 50 to 4,999 kW	17,990,680	1.0502	18,894,423	\$0.08069	\$1,524,591
Street Lighting	0	1.0532	0	\$0.08069	\$0
Sentinel Lighting	793,692	1.0532	835,916	\$0.08069	\$67,450
Unmetered Scattered Load	1,054,024	1.0532	1,110,098	\$0.08069	\$89,574
Large Use	0	1.0045	0	\$0.08069	\$0
TOTAL	209,473,807		220,564,452		\$17,797,346

Electricity - Commodity Non-RPP	2013	2013 Loss			
Class per Load Forecast	Forecasted	Factor	2013		
Residential	20,092,995	1.0532	21,161,942	\$0.07877	\$1,666,926
General Service < 50 kW	7,620,483	1.0532	8,025,893	\$0.07877	\$632,200
General Service 50 to 4,999 kW	123,334,379	1.0502	129,529,952	\$0.07877	\$10,203,074
Street Lighting	1,264,642	1.0532	1,331,921	\$0.07877	\$104,915
Sentinel Lighting	32,640	1.0532	34,377	\$0.07877	\$2,708
Unmetered Scattered Load	49,666	1.0532	52,308	\$0.07877	\$4,120
Large Use	59,134,727	1.0045	59,400,833	\$0.07877	\$4,679,004
TOTAL	211,529,532		160,136,393		\$17,292,947

Transmission - Network			Volume			
Class per Load Forecast			Metric	2013		
Residential			kWh	171,213,123	\$0.0080	\$1,369,705
General Service < 50 kW			kWh	57,698,727	\$0.0071	\$409,661
General Service 50 to 4,999 kW			kW	389,693	\$2.4279	\$946,141
Street Lighting			kW	2,272	\$2.2633	\$5,142
Sentinel Lighting			kW	2,297	\$2.2682	\$5,210
Unmetered Scattered Load			kWh	1,162,406	\$0.0071	\$8,253
Large Use			kW	167,672	\$1.7701	\$296,796
TOTAL						\$3,040,909

Transmission - Connection			Volume			
Class per Load Forecast			Metric	2013		
Residential			kWh	171,213,123	\$0.0056	\$958,793
General Service < 50 kW			kWh	57,698,727	\$0.0049	\$282,724
General Service 50 to 4,999 kW			kW	389,693	\$1.8093	\$705,087
Street Lighting			kW	3,552	\$1.5640	\$5,555
Sentinel Lighting			kW	2,297	\$1.5674	\$3,600
Unmetered Scattered Load			kWh	1,162,406	\$0.0049	\$5,696
Large Use			kW	167,672	\$2.2384	\$375,317
TOTAL						\$2,336,773

<u>Wholesale Market Service</u>			2013		
Class per Load Forecast					
Residential		kWh	171,213,123	\$0.0052	\$890,308
General Service < 50 kW		kWh	57,698,727	\$0.0052	\$300,033
General Service 50 to 4,999 kW		kWh	148,424,375	\$0.0052	\$771,807
Street Lighting		kWh	1,331,921	\$0.0052	\$6,926
Sentinel Lighting		kWh	870,293	\$0.0052	\$4,526
Unmetered Scattered Load		kWh	1,162,406	\$0.0052	\$6,045
Large Use		kWh	59,400,833	\$0.0052	\$308,884
TOTAL			440,101,678		\$2,288,529

<u>Rural Rate Assistance</u>			2013		
Class per Load Forecast					
Residential		kWh	171,213,123	\$0.0011	\$188,334
General Service < 50 kW		kWh	57,698,727	\$0.0011	\$63,469
General Service 50 to 4,999 kW		kWh	148,424,375	\$0.0011	\$163,267
Street Lighting		kWh	1,331,921	\$0.0011	\$1,465
Sentinel Lighting		kWh	870,293	\$0.0011	\$957
Unmetered Scattered Load		kWh	1,162,406	\$0.0011	\$1,279
Large Use		kWh	59,400,833	\$0.0011	\$65,341
TOTAL			440,101,678		\$484,112

2013	
4705-Power Purchased	\$35,090,293
4708-Charges-WMS	\$2,288,529
4712-IESO Smart Meter Charge	\$214,022
4714-Charges-NW	\$3,040,909
4716-Charges-CN	\$2,336,773
4730-Rural Rate Assistance	\$484,112
4750-Low Voltage	
TOTAL	43,454,637

Energy Probe 12c

2013 Load Forecast	kWh	kW	2011 %RPP
Residential	165,296,439		88%
General Service < 50 kW	55,738,416		86%
General Service 50 to 4,999 kW	143,162,754	397,731	13%
Street Lighting	1,264,642	3,552	0%
Sentinel Lighting	826,332	2,297	96%
Unmetered Scattered Load	1,103,690		96%
Large Use	59,134,727	167,672	0%
TOTAL	426,527,000	571,252	

Electricity - Commodity RPP	2013 Forecasted	2013 Loss Factor	2013		
Class per Load Forecast RPP					
Residential	144,865,799	1.0532	152,572,660	\$0.08069	\$12,311,088
General Service < 50 kW	47,985,202	1.0532	50,538,015	\$0.08069	\$4,077,912
General Service 50 to 4,999 kW	18,224,619	1.0502	19,140,113	\$0.08069	\$1,544,416
Street Lighting	0	1.0532	0	\$0.08069	\$0
Sentinel Lighting	793,692	1.0532	835,916	\$0.08069	\$67,450
Unmetered Scattered Load	1,054,024	1.0532	1,110,098	\$0.08069	\$89,574
Large Use	0	1.0045	0	\$0.08069	\$0
TOTAL	212,923,336		224,196,802		\$18,090,440

Electricity - Commodity Non-RPP	2013 Forecasted	2013 Loss Factor	2013		
Class per Load Forecast					
Residential	20,430,640	1.0532	21,517,550	\$0.07877	\$1,694,937
General Service < 50 kW	7,753,214	1.0532	8,165,685	\$0.07877	\$643,211
General Service 50 to 4,999 kW	124,938,135	1.0502	131,214,272	\$0.07877	\$10,335,748
Street Lighting	1,264,642	1.0532	1,331,921	\$0.07877	\$104,915
Sentinel Lighting	32,640	1.0532	34,377	\$0.07877	\$2,708
Unmetered Scattered Load	49,666	1.0532	52,308	\$0.07877	\$4,120
Large Use	59,134,727	1.0045	59,400,833	\$0.07877	\$4,679,004
TOTAL	213,603,664		162,316,112		\$17,464,644

Transmission - Network		Volume Metric	2013		
Class per Load Forecast					
Residential		kWh	174,090,210	\$0.0080	\$1,392,722
General Service < 50 kW		kWh	58,703,700	\$0.0071	\$416,796
General Service 50 to 4,999 kW		kW	397,731	\$2.4279	\$965,651
Street Lighting		kW	2,272	\$2.2633	\$5,142
Sentinel Lighting		kW	2,297	\$2.2682	\$5,210
Unmetered Scattered Load		kWh	1,162,406	\$0.0071	\$8,253
Large Use		kW	167,672	\$1.7701	\$296,796
TOTAL					\$3,090,571

Transmission - Connection		Volume Metric	2013		
Class per Load Forecast					
Residential		kWh	174,090,210	\$0.0056	\$974,905
General Service < 50 kW		kWh	58,703,700	\$0.0049	\$287,648
General Service 50 to 4,999 kW		kW	397,731	\$1.8093	\$719,615
Street Lighting		kW	3,552	\$1.5640	\$5,555
Sentinel Lighting		kW	2,297	\$1.5674	\$3,600
Unmetered Scattered Load		kWh	1,162,406	\$0.0049	\$5,696
Large Use		kW	167,672	\$2.2384	\$375,317
TOTAL					\$2,372,336

Wholesale Market Service				2013	
Class per Load Forecast					
Residential		kWh	174,090,210	\$0.0052	\$905,269
General Service < 50 kW		kWh	58,703,700	\$0.0052	\$305,259
General Service 50 to 4,999 kW		kWh	150,354,385	\$0.0052	\$781,843
Street Lighting		kWh	1,331,921	\$0.0052	\$6,926
Sentinel Lighting		kWh	870,293	\$0.0052	\$4,526
Unmetered Scattered Load		kWh	1,162,406	\$0.0052	\$6,045
Large Use		kWh	59,400,833	\$0.0052	\$308,884
TOTAL			445,913,747		\$2,318,751

Rural Rate Assistance				2013	
Class per Load Forecast					
Residential		kWh	174,090,210	\$0.0011	\$191,499
General Service < 50 kW		kWh	58,703,700	\$0.0011	\$64,574
General Service 50 to 4,999 kW		kWh	150,354,385	\$0.0011	\$165,390
Street Lighting		kWh	1,331,921	\$0.0011	\$1,465
Sentinel Lighting		kWh	870,293	\$0.0011	\$957
Unmetered Scattered Load		kWh	1,162,406	\$0.0011	\$1,279
Large Use		kWh	59,400,833	\$0.0011	\$65,341
TOTAL			445,913,747		\$490,505

2013	
4705-Power Purchased	\$35,555,084
4708-Charges-WMS	\$2,318,751
4712-IESO Smart Meter Charge	\$214,022
4714-Charges-NW	\$3,090,571
4716-Charges-CN	\$2,372,336
4730-Rural Rate Assistance	\$490,505
4750-Low Voltage	
TOTAL	44,041,269