

Renewable Energy Plan
Joint Submittal by the Michigan South Central Power Agency
On Behalf of Its Members
Village of Clinton
City of Coldwater
City of Hillsdale
City of Marshall
Village of Union City

This joint filing by the Michigan South Central Power Agency (MSCPA) on behalf of its members, the Village of Clinton, the City of Coldwater, the City of Hillsdale, the City of Marshall, and the Village of Union City, complies with Public Act 295 of 2008 (the Act) and the related December 4, 2008 Michigan Public Service Commission Order (MPSC Case No. U-15800).

Part 2, Section 25, of the Act requires municipal utilities to file a twenty year plan to achieve renewable energy credit portfolio standards that are specified in Section 27. The plan must be filed with the MPSC with 120 days of the MPSC's temporary order, issued pursuant to Section 191. Each electric providers plan must do the following:

- a) Describe how the provider will meet the RPS standards;
- b) Specify whether the number of megawatt hours of electricity used in the calculation of the renewable energy credit portfolio will be weather normalized or based on the average number of megawatt hours of electricity sold by the electric provider annually during the previous 3 years to retail customers in this state;
- c) Include the expected incremental cost of compliance with the renewable energy standards;
- d) Describe the manner in which the provider will allocate costs.

This document and its attachments satisfy all of the requirements of Section 25 (2) for the twenty year period running from 2009 through 2028.

Section 25 (2) (a) "Describe how the provider will meet the renewable energy standards"

The MSCPA, on behalf of its members, will meet the renewable energy standards through the use of:

- a) Existing hydro resources for the City of Marshall and the Village of Union City; *(Section 11, (i), (iv), (B) of the Act)*
- b) New hydro resources currently under development through AMP-Ohio; *(Section 11, (i), (iv), (B) and Section 29, (2), (f) of the Act)*
- c) Modification to a jointly owned coal fired facility through a new process that utilizes fractionalized tires as a replacement source of energy. *(Section 7, (a) of the Act)*

The above described resources are further described in Attachment A.

Section 25 (2) (b) “Specify whether the number of megawatt hours of electricity used in the calculation of the renewable energy credit portfolio will be weather normalized or based on the average number of megawatt hours of electricity sold by the electric provider annually during the previous 3 years to retail customers in this state”

The MSCPA, and each of its members, will be calculating their renewable energy credit portfolio requirements based on the average number of megawatt hours of electricity sold by each member annually during the previous three years to retail customers in this state.

Section 25 (2) (c) “Include the expected incremental cost of compliance with the renewable energy standards”

MSCPA members do not anticipate any additional costs of compliance associated with the renewable energy standards. Production costs for both the current and future hydro, as well as the fractionalized tire project at Endicott, are not expected to add to MSCPA’s energy supply costs.

Section 25 (2) (d) “Describe the manner in which the provider will allocate costs”

Due to the fact that no additional cost of compliance is anticipated, there will be no charges allocated to MSCPA member customers.

Attachment A – MSCPA Member Renewable Energy Resources

Existing Hydro Resources

City of Marshall – Owns and operates an existing run-of-the-river hydro facility consisting of two units with a combined capacity of 0.319 MW. During the past three years, this facility generated a total of 4,137 megawatt hours, an annual average of 1,379 megawatt hours, which equates to an average annual capacity factor of 49%.

Village of Union City – Owns and operates an existing run-of-the-river hydro facility consisting of two units with a combined capacity of 0.375 MW. During the past three years, this facility generated a total of 4,385 megawatt hours, an annual average of 1,462 megawatt hours, which equates to an average annual capacity factor of 44%.

New Hydro Resources

Four of the five MSCPA members have committed to purchase 13.4 MW of a hydro development project through AMP-Ohio, an Ohio corporation that provides energy related services to, at present, 135 municipal members located in six states. The original hydro project consists of the development of three hydro generation stations at existing lock and dam facilities located on the Ohio River. All three projects are currently scheduled to be on line by 2012. Collectively, these units are expected to have an installed capacity of 206 MW, with an anticipated annual capacity factor of 55%.

The allocation of interest in this project for the participating MSCPA members is as follows:

Member	Capacity (MW)	Expected Annual Energy (MWh)
Village of Clinton	0.7	3,373
City of Coldwater	6.5	31,317
City of Hillsdale	3.4	16,381
City of Marshall	2.8	13,490

Modification to the Endicott Generating Station

The Endicott Generating Station is a 55 MW coal fired resource located in Litchfield, Michigan that is jointly owned by the five MSCPA members. We are currently in the permitting process with the MDEQ to allow for the modifications necessary to accommodate a new process that will utilize gasified (fractionalized) tires as an alternative fuel source. This process is expected to replace up to 20% of the annual coal volume when it becomes operational, currently projected to start up by November of 2009. For projection purposes, we are applying a conservative estimate of 10% as the renewable generation component.

The allocation of interest for the renewable portion of this project for the MSCPA members is as follows:

Member	Capacity (MW)	Expected Annual Energy (MWh)
Village of Clinton	0.357	2,662
City of Coldwater	2.200	16,381
City of Hillsdale	1.403	10,443
City of Marshall	1.320	9,829
Village of Union City	0.220	1,638

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Sales Forecast																				
Retail MWh	21,503	21,082	21,082	21,293	21,506	21,721	21,938	22,158	22,379	22,603	22,829	23,057	23,288	23,521	23,756	23,994	24,233	24,476	24,721	24,968
Sales Escalation		-2.0%	0.0%	1.0%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%	1%
Prior 3 Year Running Average				21,223	21,153	21,294	21,507	21,722	21,939	22,158	22,380	22,604	22,830	23,058	23,289	23,522	23,757	23,994	24,234	24,477
RPS Requirement (%)				2%	3.3%	5%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
RPS Requirement (MWh)				424	698	1,065	2,151	2,172	2,194	2,216	2,238	2,260	2,283	2,306	2,329	2,352	2,376	2,399	2,423	2,448
REC Sources																				
Existing Hydro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Hydro				3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373	3,373
Endicott Symbiotic (Base)				2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662	2,662
Endicott Symbiotic (On Peak Incentive)				266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
Endicott Symbiotic (Michigan Equipment Incentive)				266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
Endicott Symbiotic (Michigan Labor Incentive)				266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266	266
Total REC Sources				6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834
REC Compliance %				1610%	979%	642%	318%	315%	311%	308%	305%	302%	299%	296%	293%	291%	288%	285%	282%	279%
RECs Available				6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834	6,834
RECs Need for Compliance				424	698	1,065	2,151	2,172	2,194	2,216	2,238	2,260	2,283	2,306	2,329	2,352	2,376	2,399	2,423	2,448
RECs Available for Sale				6,409	6,136	5,769	4,683	4,661	4,640	4,618	4,596	4,573	4,551	4,528	4,505	4,481	4,458	4,434	4,410	4,386
REP Cost of Compliance																				
Projected Retail Cost (\$/MWh)	88.10	88.55	89.22	90.09	90.99	91.90	92.82	93.75	94.69	95.63	96.59	97.55	98.53	99.52	100.51	101.52	102.53	103.56	104.59	105.64
Projected Renewable Cost (\$/MWh)				85.00	85.43	85.85	86.28	86.71	87.15	87.58	88.02	88.46	88.90	89.35	89.79	90.24	90.69	91.15	91.60	92.06
Incremental Cost of Compliance (\$/MWh)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPS Requirement (MWh)				424	698	1,065	2,151	2,172	2,194	2,216	2,238	2,260	2,283	2,306	2,329	2,352	2,376	2,399	2,423	2,448
Incremental Cost of Compliance (\$)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Coldwater

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Sales Forecast																				
Retail MWh	297,692	297,671	298,386	298,425	302,901	307,445	312,057	316,737	321,488	326,311	331,205	336,174	341,216	346,334	351,529	356,802	362,154	367,587	373,101	378,697
Sales Escalation		0.5%	1.0%	1.0%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Prior 3 Year Running Average				297,916	298,161	299,904	302,924	307,468	312,080	316,761	321,512	326,335	331,230	336,198	341,241	346,360	351,555	356,829	362,181	367,614
RPS Requirement (%)				2%	3.3%	5%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
RPS Requirement (MWh)				5,958	9,839	14,995	30,292	30,747	31,208	31,676	32,151	32,633	33,123	33,620	34,124	34,636	35,156	35,683	36,218	36,761
REC Sources																				
Existing Hydro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Hydro				31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317	31,317
Endicott Symbiotic (Base)				16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381
Endicott Symbiotic (On Peak Incentive)				1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638
Endicott Symbiotic (Michigan Equipment Incentive)				1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638
Endicott Symbiotic (Michigan Labor Incentive)				1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638
Total REC Sources				52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612
REC Compliance %				883%	535%	351%	174%	171%	169%	166%	164%	161%	159%	156%	154%	152%	150%	147%	145%	143%
RECs Available				52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612	52,612
RECs Need for Compliance				5,958	9,839	14,995	30,292	30,747	31,208	31,676	32,151	32,633	33,123	33,620	34,124	34,636	35,156	35,683	36,218	36,761
RECs Available for Sale				46,654	42,773	37,617	22,320	21,866	21,404	20,936	20,461	19,979	19,489	18,992	18,488	17,976	17,457	16,929	16,394	15,851
REP Cost of Compliance																				
Projected Retail Cost (\$/MWh)	88.10	88.55	89.22	90.09	90.99	91.90	92.82	93.75	94.69	95.63	96.59	97.55	98.53	99.52	100.51	101.52	102.53	103.56	104.59	105.64
Projected Renewable Cost (\$/MWh)				85.00	85.43	85.85	86.28	86.71	87.15	87.58	88.02	88.46	88.90	89.35	89.79	90.24	90.69	91.15	91.60	92.06
Incremental Cost of Compliance (\$/MWh)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPS Requirement (MWh)				5,958	9,839	14,995	30,292	30,747	31,208	31,676	32,151	32,633	33,123	33,620	34,124	34,636	35,156	35,683	36,218	36,761
Incremental Cost of Compliance (\$)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Sales Forecast																				
Retail MWh	161,000	162,610	164,236	165,878	167,537	169,213	170,905	172,614	174,340	176,083	177,844	179,623	181,419	183,233	185,065	186,916	188,785	190,673	192,580	194,506
Sales Escalation		1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Prior 3 Year Running Average				162,615	164,242	165,884	167,543	169,218	170,910	172,619	174,346	176,089	177,850	179,629	181,425	183,239	185,071	186,922	188,791	190,679
RPS Requirement (%)				2%	3.3%	5%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
RPS Requirement (MWh)				3,252	5,420	8,294	16,754	16,922	17,091	17,262	17,435	17,609	17,785	17,963	18,142	18,324	18,507	18,692	18,879	19,068
REC Sources																				
Existing Hydro	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
New Hydro				16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381	16,381
Endicott Symbiotic (Base)				10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443	10,443
Endicott Symbiotic (On Peak Incentive)				1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044
Endicott Symbiotic (Michigan Equipment Incentive)				1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044
Endicott Symbiotic (Michigan Labor Incentive)				1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044	1,044
Total REC Sources				29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957
REC Compliance %				921%	553%	361%	179%	177%	175%	174%	172%	170%	168%	167%	165%	163%	162%	160%	159%	157%
RECs Available				29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957	29,957
RECs Need for Compliance				3,252	5,420	8,294	16,754	16,922	17,091	17,262	17,435	17,609	17,785	17,963	18,142	18,324	18,507	18,692	18,879	19,068
RECs Available for Sale				26,705	24,537	21,663	13,203	13,035	12,866	12,695	12,522	12,348	12,172	11,994	11,814	11,633	11,450	11,265	11,078	10,889
REP Cost of Compliance																				
Projected Retail Cost (\$/MWh)	88.10	88.55	89.22	90.09	90.99	91.90	92.82	93.75	94.69	95.63	96.59	97.55	98.53	99.52	100.51	101.52	102.53	103.56	104.59	105.64
Projected Renewable Cost (\$/MWh)				85.00	85.43	85.85	86.28	86.71	87.15	87.58	88.02	88.46	88.90	89.35	89.79	90.24	90.69	91.15	91.60	92.06
Incremental Cost of Compliance (\$/MWh)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPS Requirement (MWh)				3,252	5,420	8,294	16,754	16,922	17,091	17,262	17,435	17,609	17,785	17,963	18,142	18,324	18,507	18,692	18,879	19,068
Incremental Cost of Compliance (\$)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Sales Forecast																				
Retail MWh	135,000	137,025	139,080	141,167	143,284	145,433	147,615	149,829	152,076	154,358	156,673	159,023	161,408	163,830	166,287	168,781	171,313	173,883	176,491	179,138
Sales Escalation		1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%	1.5%
Prior 3 Year Running Average				137,035	139,091	141,177	143,295	145,444	147,626	149,840	152,088	154,369	156,685	159,035	161,420	163,842	166,299	168,794	171,326	173,896
RPS Requirement (%)				2%	3.3%	5%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
RPS Requirement (MWh)				2,741	4,590	7,059	14,329	14,544	14,763	14,984	15,209	15,437	15,668	15,903	16,142	16,384	16,630	16,879	17,133	17,390
REC Sources																				
Existing Hydro	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379	1,379
New Hydro				13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490	13,490
Endicott Symbiotic (Base)				9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829	9,829
Endicott Symbiotic (On Peak Incentive)				983	983	983	983	983	983	983	983	983	983	983	983	983	983	983	983	983
Endicott Symbiotic (Michigan Equipment Incentive)				983	983	983	983	983	983	983	983	983	983	983	983	983	983	983	983	983
Endicott Symbiotic (Michigan Labor Incentive)				983	983	983	983	983	983	983	983	983	983	983	983	983	983	983	983	983
Total REC Sources				27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647
REC Compliance %				100%	60%	39%	19%	19%	18%	18%	18%	17%	17%	17%	17%	16%	16%	16%	16%	15%
RECs Available				27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647	27,647
RECs Need for Compliance				2,741	4,590	7,059	14,329	14,544	14,763	14,984	15,209	15,437	15,668	15,903	16,142	16,384	16,630	16,879	17,133	17,390
RECs Available for Sale				24,906	23,057	20,588	13,317	13,102	12,884	12,663	12,438	12,210	11,978	11,743	11,505	11,263	11,017	10,767	10,514	10,257
REP Cost of Compliance																				
Projected Retail Cost (\$/MWh)	88.10	88.55	89.22	90.09	90.99	91.90	92.82	93.75	94.69	95.63	96.59	97.55	98.53	99.52	100.51	101.52	102.53	103.56	104.59	105.64
Projected Renewable Cost (\$/MWh)				85.00	85.43	85.85	86.28	86.71	87.15	87.58	88.02	88.46	88.90	89.35	89.79	90.24	90.69	91.15	91.60	92.06
Incremental Cost of Compliance (\$/MWh)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPS Requirement (MWh)				2,741	4,590	7,059	14,329	14,544	14,763	14,984	15,209	15,437	15,668	15,903	16,142	16,384	16,630	16,879	17,133	17,390
Incremental Cost of Compliance (\$)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

Union City

	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013	FY 2014	FY 2015	FY 2016	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021	FY 2022	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 2028
Sales Forecast																				
Retail MWh	21,503,310	21,082,243	21,082,243	21,293,065	21,505,996	21,721,056	21,938,267	22,157,649	22,379,226	22,603,018	22,829,048	23,057,339	23,287,912	23,520,791	23,755,999	23,993,559	24,233,495	24,475,830	24,720,588	24,967,794
Sales Escalation		-2.0%	0.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%	1.0%
Prior 3 Year Running Average				21,222,599	21,152,517	21,293,768	21,506,706	21,721,773	21,938,991	22,158,380	22,379,964	22,603,764	22,829,802	23,058,100	23,288,681	23,521,567	23,756,783	23,994,351	24,234,294	24,476,637
RPS Requirement (%)				2%	3.3%	5%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%	10%
RPS Requirement (MWh)				424,452	698,033	1,064,688	2,150,671	2,172,177	2,193,899	2,215,838	2,237,996	2,260,376	2,282,980	2,305,810	2,328,868	2,352,157	2,375,678	2,399,435	2,423,429	2,447,664
REC Sources																				
Existing Hydro	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462	1,462
New Hydro				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Endicott Symbiotic (Base)				1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638	1,638
Endicott Symbiotic (On Peak Incentive)				164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
Endicott Symbiotic (Michigan Equipment Incentive)				164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
Endicott Symbiotic (Michigan Labor Incentive)				164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164	164
Total REC Sources				3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591
REC Compliance %				1%	1%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%
RECs Available				3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591	3,591
RECs Need for Compliance				424,452	698,033	1,064,688	2,150,671	2,172,177	2,193,899	2,215,838	2,237,996	2,260,376	2,282,980	2,305,810	2,328,868	2,352,157	2,375,678	2,399,435	2,423,429	2,447,664
RECs Available for Sale				(420,861)	(694,442)	(1,061,097)	(2,147,079)	(2,168,586)	(2,190,308)	(2,212,247)	(2,234,405)	(2,256,785)	(2,279,389)	(2,302,219)	(2,325,277)	(2,348,565)	(2,372,087)	(2,395,844)	(2,419,838)	(2,444,072)
REP Cost of Compliance																				
Projected Retail Cost (\$/MWh)	88.10	88.55	89.22	90.09	90.99	91.90	92.82	93.75	94.69	95.63	96.59	97.55	98.53	99.52	100.51	101.52	102.53	103.56	104.59	105.64
Projected Renewable Cost (\$/MWh)				85.00	85.43	85.85	86.28	86.71	87.15	87.58	88.02	88.46	88.90	89.35	89.79	90.24	90.69	91.15	91.60	92.06
Incremental Cost of Compliance (\$/MWh)				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RPS Requirement (MWh)				424,452	698,033	1,064,688	2,150,671	2,172,177	2,193,899	2,215,838	2,237,996	2,260,376	2,282,980	2,305,810	2,328,868	2,352,157	2,375,678	2,399,435	2,423,429	2,447,664
Incremental Cost of Compliance (\$)				\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -