

State of Wisconsin

Impacts of the Renewable Portfolio Standard for Years 2011 and 2012

In the matter of Dairyland Power Cooperative's)
 Impacts of the Renewable Portfolio Standard for)
 Years 2011 and 2012 to fully comply with) Docket Number **5-GF-245**
Wisconsin Statute § 196.378(4r))

Dairyland Power Cooperative (Dairyland) is a generation and transmission cooperative providing wholesale electricity to 18 member distribution cooperatives and 10 municipal utilities in Wisconsin. Dairyland is owned by our member distribution cooperatives and governed by a board elected by our members. As part of Dairyland's generation and transmission service, Dairyland provides the Wisconsin Public Service Commission this report on behalf of the member distribution cooperatives and municipal utilities for compliance with Wisconsin Statute § 196.378 (4r).

- a. **Include the average LCOE in dollars per Megawatt-hour (\$/MWh) for facilities, by renewable resource type, that generated RPS energy over the 2011-2012 time period and counted as retail sales to Wisconsin electric customers as reported in Wisconsin RPS compliance dockets (PSC dockets 5-GF-214 for 2011 and 5-GF-230 for 2012).**

Included in this report is the requested LCOE information for those Dairyland projects that were used to meet the RPS requirement for the cooperatives and the municipals. Only those projects that Dairyland has contracted directly for and were used to meet RPS requirements are included. The municipals have entered into agreements for the Cashton Greens Wind Farm and the Rugby Wind Farm. Dairyland manages the M-RETS reporting needs for Cashton Greens Wind Farm and the Rugby Wind Farm and files the RPS compliance report on behalf of the municipals. Dairyland is not involved in the agreements between the municipals and the wind farms, and, therefore, does not have LCOE information on the wind farms. Dairyland did not include projects where Dairyland does receive the renewable energy credits, projects that were used for green pricing programs, or small projects (<40 kW) that would be considered as eligible to meet RPS requirements but are not used for such purposes.

- b. **Provide the information in the form of the following table:**

Average LCOEs for the 2011-2012 Period by Renewable Resource Type

Renewable Resource Type	Average LCOE (\$/MWh)
Wind	\$50.73
Solar	-
Biomass – Biogas from Digesters	\$79.51
Biomass – All other Resources	\$85.00
Other - Describe	-

- c. **If the electric provider serves other Wisconsin electric providers through RPS energy wholesale contracts, include facilities that served these wholesale customers and list the wholesale customers that were served during the 2011-2012 period.**

List of wholesale customers with which Dairyland has wholesale service contracts.

Utility Code	Wisconsin Electric Utility	M-RETS Sub-Account	Ownership
01251	Barron Electric Cooperative	387	Cooperative
01367	Bayfield Electric Cooperative	388	Cooperative
03498	Chippewa Valley Electric Cooperative	389	Cooperative
03701	Clark Electric Cooperative	390	Cooperative
05417	Dunn Energy Cooperative	391	Cooperative
05632	Eau Claire Energy Cooperative	392	Cooperative
08574	Jackson Electric Cooperative	393	Cooperative
09922	Jump River Electric Cooperative, Inc.	394	Cooperative
13936	Oakdale Electric Cooperative	395	Cooperative
15034	Pierce-Pepin Cooperative Services	396	Cooperative
15344	Polk-Burnett	397	Cooperative
15356	Price Electric Cooperative	398	Cooperative
15983	Richland Electric Cooperative	399	Cooperative
16060	Riverland Energy Cooperative	400	Cooperative
16740	Scenic Rivers Energy Cooperative	401	Cooperative
17868	St. Croix Electric Cooperative	402	Cooperative
18383	Taylor Electric Cooperative	403	Cooperative
19813	Vernon Electric Cooperative	404	Cooperative
00765	Arcadia Electric Utility	405	Municipal
00792	Argyle Municipal Water and Electric Utility	406	Municipal
03156	Cashton Municipal Light & Water Utility	407	Municipal
04627	Cumberland Municipal Utility	408	Municipal
05834	Elroy Light & Water Utility	409	Municipal
06274	Fennimore Municipal Utilities	410	Municipal
10525	La Farge Municipal Utilities	411	Municipal
12336	Merillan Electric Light & Water Department	412	Municipal
13466	New Lisbon Municipal Light & Water	413	Municipal
19867	Viola Municipal Electric Utility	414	Municipal

Excluding the Cashton Greens Wind Farm and the Rugby Wind Farm, the cooperatives and municipals were served by the facilities used to calculate the LCOE during the 2011 – 2012 time period.

- d. Do not include facilities that were part of the electric provider's renewable energy portfolio prior to the time the current RPS went into effect in April 2006.**

No facilities that were part of Dairyland's renewable energy portfolio prior to the time of the current RPS went into effect in April 2006 were included in this report.

- e. Do not include facilities that were primarily used for a Green Pricing Program, another state's RPS, or some other program.**

No facilities that were primarily used for a Green Pricing Program, another state's RPS, or some other program were included in this report.

No renewable energy was generated from any project being developed pursuant the Consent Decree with EPA/Sierra Club. Dairyland shall not use and will retire all RECs generated from the Clean Energy Collective, LLC, and Minnesota Three, LLC, solar projects during the first 10 years (Initial 10 Years) of performance (as measured from the day that power is first purchased under each power purchase agreement) in accordance with all applicable rules, and shall identify these RECs as retired in M-RETS or any other tracking system designated as acceptable by the program recognizing the REC. Dairyland shall not use the RECs generated during the Initial 10 Years of the power purchase agreement(s) for compliance with any renewable portfolio standard or for any other compliance purpose during or after the Initial 10 Years.

- f. Include a list of all facilities with an in-service date before January 1, 2007, along with M-RETS ID, that you included in the average LCOE for the 2011-2012 period (this will help Commission staff identify older facilities that were added to the electric provider's portfolio after the current RPS was enacted, and for which costs should be attributed to the current RPS).**

No facilities with an in-service date before January 1, 2007 were included in the average LCOE calculations.

- g. The calculation for the LCOE should include all costs for these facilities that will be recovered by Wisconsin retail ratepayers, divided by the applicable energy production during either 1) the entire expected useful life of the facility if owned by the electric provider, or 2) during the applicable purchase power agreement period (2011-2012) if output is purchased by the electric provider.**

The average LCOE of energy for the 2011-2012 period was calculated per the instructions in (g).

- h. The average LCOE for renewable resources should be weighted by each facility's applicable energy production as described in (g) above.**

The average LCOE was calculated based on the weighted applicable energy production from each facility.

- i. Total costs within the LCOE calculation should be reduced by all anticipated Production Tax Credits, Investment Tax Credits, and/or any other applicable credits or grants from federal, state, municipal, tribal governments, or other organizations.**

Dairyland does not benefit directly from Production Tax Credits or Investment Tax Credits. No facilities used in the average LCOE calculation received credits or grants from federal, state, municipal, tribal governments, or other organizations that were directly received by Dairyland.

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