Summary of PA 295 Renewable Energy Contracts

Consumers Energy

Order Date	Buyer	Seller	Contract Type*	Term	Quantity	Cost	RE Type
7/27/2010	Consumers Energy	John Deere - Blissfield Wind	Energy capacity and REC	20 yr	81 MW	Levelized cost $100.88/MWh	Wind
7/27/2010	Consumers Energy	John Deere – Harvest II Wind	Energy capacity and REC	20 yr	59.4 MW	Levelized cost $98.38/MWh	Wind
7/27/2010	Consumers Energy	John Deere - Michigan Wind 2	Energy capacity and REC	20yr	90 MW	Levelized cost $94/MWh	Wind
7/27/2010	Consumers Energy	John Deere – WM Renewable Energy	Energy capacity and REC	20 yr	12.8 MW	Levelized cost $98.75/MWh	Biomass

Note: Contracts are attached to the applications.

Note: Contract data is prepared by MPSC Staff for informational purposes only.

Source: Data filed in MPSC Case No. U-15805 electronic docket.

http://efile.mpsc.state.mi.us/efile/viewcase.php?casenum=15805

***Contract Types**

Energy, capacity and REC Contract Type: Consumers Energy is purchasing energy, capacity and renewable energy credits under the contract.

Summary of PA 295 Contracts
Consumers Energy (August 11, 2009 RFP)

Vendor	WM Renewable Energy	NANR-Lennon	Elk Rapids Hydro Electric	Zeeland	Fremont Community Digester	Scenic View Dairy
Proposal	A	B	D	G	H	J
Resource	Landfill Gas	Landfill Gas	Hydro	Landfill Gas	Anaerobic	Anaerobic
Term	20 yr	20 yr	10 yr	7 yr	20 yr	7 yr
Levelized Cost ($ per MWh)	126.32	137.75	143.5	147.28	140.8	160.56
Energy Price (per MWh)[1,2]	Hourly LMP CPN less $5	Hourly LMP CPN	Hourly LMP CPN	Hourly LMP CPN	41.24[3]	Hourly LMP CPN
REC[4] Price (dollars)	30.00	48.52	43-54.25 (annual increases)	40-54 (annual increases)	45.56	52-39.6 (decreasing)
Capacity Price (dollars per MW)[2]	6,000 per month	NA	NA	6,700-8,100	27,138.47[3]	7,510-14,330
Nameplate Capacity (MW)[5]	1.6	1.6	0.7	1.6	3.1	0.82
Average Annual (MWh)[5]	12,650	13,262	2,287	13,000	19,011	5,160
Annual Maximum REC Total[5]	13,250	14,497	2,500	13,600	19,011	Escalates from 2,218 to 6,888[6]

[1] LMP CPN is Locational Marginal Price Commercial Pricing Node.
[2] Day-ahead LMP CPN and capacity price forecasts for twenty years are found in Attachments 7 and 8 within the filing. Forecasts are based on transfer price assumptions.
[3] This price remains constant during each month of the first calendar year; afterwards it will escalate at a rate of 2% each calendar year thereafter.
[4] REC is Renewable Energy Credit(s). Each REC represents one MWh of renewable energy generation or an incentive REC from that same generation.
[5] Average annual volumes of energy, capacity and REC may be found in Attachment 3 within the filing; further summary of the offers may be found within Attachment 2.
[6] Maximum REC to be purchased by Consumers Energy increases as compliance requirements increase.
Source: MPSC Case No. U-15805 electronic docket.

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