

Appendix F- Contract Summary

Consumers Energy : Contracts								
Map Key	Seller	Quantity	Cost*	Term	Renewable Energy Type	Request for Proposal	Commission Approval	Commercial Operation Date
	Geronimo Huron Wind, LLC	100 MW	Less than \$45	Up to 15 years	Wind	Unsolicited	11/19/2015	5/31/2016
	Experimental Advanced Renewable Program Phases 16-21	1425.1 kW	\$0.199-\$0.243	Up to 15 Years	Solar	Unsolicited	04/23/2015	Varies
	Experimental Advanced Renewable Program Phases 10-15	1193.7 kW	Non-Residential \$0.199-0.209 Residential \$0.243-0.249	Up to 15 Years	Solar	Unsolicited	05/02/2014	Varies
32	Barton Malow Company	Construction	\$59.00/MWh	Company Owned "Cross Winds"	Wind	04/25/2013	09/10/2013	12/31/2014
	General Electric Company	62 1.7-100 1.7 MW				10/2/2012	06/28/2013	
	ABB Transformers	2- 34.5KV to 345KV transformers				02/27/2013	09/10/2013	
28	Blissfield Wind (Beebe Wind)	Unchanged	Unchanged	20 Years	Wind	Amendment	01/26/2012	12/31/2012
2	Heritage Garden Wind Farm I	20 MW	Unchanged	20 Years	Wind	Amendment	01/26/2012	12/31/2012
3	Heritage Stoney Corners Wind Farm II	Unchanged	Unchanged	20 Years	Wind	Amendment	01/26/2012	1/1/2012
3	Heritage Stoney Corners Wind Farm I (Phase 3)	8.35 MW	\$106.20 MWh	20 Years	Wind	Result of Amendments	01/26/2012	1/1/2012
4	Experimental Advanced Renewable Program	987.7 KW	Commercial \$0.375/KWh Residential \$0.525/KWh	12 Years	Solar	Unsolicited	05/10/2011	Varies
1	Vestas-American Wind Technology	56 V100 1.8 MW Turbines	\$110.00/MWh	Company Owned "Lake Winds"	Wind	1/15/2010	12/2/2010	12/31/2012
	White Construction, Inc. U-15805 edocket files # 251-256	Installation and construction				7/23/2010		
	GE Prolec Transformers, Inc.	2-125 KV transformers				7/27/2009		
2	Heritage Garden Wind Farm I	28.6 MW	\$106.20 MWh	20 Years	Wind	Unsolicited	11/19/2010	1/1/2012
3	Heritage Stoney Corners Wind Farm II	12.3 MW	\$98.50 MWh	20 Years	Wind	Unsolicited	11/19/2010	1/1/2012
4	Experimental Advanced Renewable Program	Commercial 836.6 KW Residential 200.1 KW	Commercial \$0.45/KWh Residential \$0.65/KWh	12 Years	Solar	Unsolicited	12/21/2010	5/1/2010
5	Scenic View Dairy**	0.35 MW	\$83.07/MWh	63 Months	Anaerobic	Unsolicited	10/26/2010	7/29/2010
6	Blissfield Wind (Now Beebe Wind)	81 MW	\$100.88/MWh	20 Years	Wind	5/7/2009	7/27/2010	12/31/2012
7	Harvest II Wind	59.4 MW	\$98.38/MWh	20 Years	Wind	5/7/2009	7/27/2010	12/31/2012
8	Michigan Wind 2	90 MW	\$94.00/MWh	20 Years	Wind	5/7/2009	7/27/2010	6/30/2012
9	WM Renewable Energy - Pine Tree Acres	12.8 MW	\$98.75/MWh	20 Years	Landfill Gas	5/7/2009	7/27/2010	6/30/2012
10	WM Renewable Energy - Northern Oaks Landfill	1.6 MW	\$122.39/MWh	20 Years	Landfill Gas	1/29/2009	10/13/2009	11/11/2010
11	NANR – Lennon	1.6 MW	\$137.27/MWh	20 Years	Landfill Gas	1/29/2009	10/13/2009	12/31/2010
12	Elk Rapids Hydro Electric** 1	0.7 MW	\$121.31/MWh	10 Years	Hydro	1/29/2009	10/13/2009	7/11/2009
13	Zeeland**	1.6 MW	\$122.20/MWh	7 Years	Landfill Gas	1/29/2009	10/13/2009	7/11/2009
14	Freemont Community Digester	3.1 MW	\$139.35/MWh	20 Years	Anaerobic	1/29/2009	10/13/2009	11/11/2012
15	Scenic View Dairy** 1, 2	0.82 MW	\$138.17/MWh	7 Years	Anaerobic	1/29/2009	10/13/2009	7/11/2009
	Total	604.42 MW						

* Per MWh prices represent levelized costs. ** Pre-existing projects prior to 2008 PA 295 - The commercial operation date would refer to the effective date of the contract.

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	Innovatus	Up to 50 MW	\$113.52/MWh***	Company Owned	Solar	6/24/2015	12/11/2015	10/31/2016
	General Electric Company	1.7MW-100 model turbines up to 50 MW		Company Owned "Pinnebog Wind"	Wind	2/17/2014	12/18/2014	12/31/2015
	Aristeo Construction Company	Installation and construction	\$47/MIWh - \$53/MWh			6/20/2014		
	Rudolf Libbe, Inc	750 kW		Company Owned	Solar	09/28/2012	7/8/2014	04/2015
	Inovateus Solar, LLC	504 kW	\$3,741/kW					
33	Big Turtle Wind Farm, LLC	20 MW	\$53/MWh	20 Years	Wind	Unsolicited	09/24/2013	Expected 2014
31	Pheasant Run Wind, LLC	74.8 MW	Up to \$49.25/MWh	20 Years	Wind	Unsolicited	5/17/2013	12/31/2014
31	Pheasant Run Wind II, LLC "Brookfield"	74.8 MW	Up to \$49.25/MWh	Company Owned	Wind	Unsolicited	5/17/2013	12/31/2014
16	SolarCurrents Phase II	0.5 MW Non-Residential 1.5 MW Residential	\$0.13/W \$0.02/kWh \$0.20/W \$0.03/kWh	Through 8/31/2029	Solar	Unsolicited	11/16/2012	Varies
29	Tuscola Wind II, LLC	100 MW	\$49.25/MWh***	20 Years	Wind	5/3/2012	10/31/2012	12/31/2013
30	General Electric Company	1.6MW-100 model turbines up to 110 MW		Company Owned "Echo Wind"	Wind	10/12/2011	9/11/2012	12/31/2013
	Barton Malow Company	Installation and construction	\$52.50/MWh			4/17/2012		
24	Michigan Waste Energy, Inc.	Up to 65,000 RECs/Year	\$7.00/REC	13 Years	Incinerator	Unsolicited	12/6/2011	1991
16	Nova Consultants, Inc.	Solar EPC	Up to \$48 Million	Company Owned	Solar	2/28/2011	11/10/2011	12/31/2015
16	McNaughton-McKay Electric Company	Supply up to 12 MW of Modules	Up to \$24 Million			3/24/2011		
16	Inovateus Solar, LLC	Supply up to 12MW						
27	General Electric Company	Up to 69 1.6MW-100 Turbines	\$61-\$64/MWh	Company Owned "Thumb Wind"	Wind	3/9/2011	9/13/2011	12/31/2012
	Barton Malow Company	Installation and construction				5/6/2011		
25	Tuscola Bay Wind, LLC	120 MW	Up to \$60.90/MWh	20 Years	Wind	11/18/2010	8/25/2011	10/31/2012
20	L'Anse Warden Electric Company	110,374 RECs	\$11.98 (Average of 4 REC/ACEC Contracts)	Amendment Acquiring Vintage RECs	Biomass	8/18/2009	8/25/2011	7/1/2010
18	Gratiot County Wind	12.8 MW additional	Unchanged from original contract	Company Owned	Wind	Amendment	5/10/2011	12/31/2012
16	Nova Consultants	Unchanged from original contract	Unchanged from original contract	Company Owned	Solar	Extension	12/21/2010	12/31/2011
17	Blue Water Renewables - Smiths Creek Landfill	3.2 MW	\$99.00/MWh	20 Years	Landfill	Unsolicited	1/20/2011	12/31/2011
18	Gratiot County Wind	110.4 MW	\$91.43/MWh Up to \$94.43/MWh	20 Years	Wind	8/18/2009	9/14/2010	05/1/2012
		89.6 MW Company Owned		Company Owned				03/31/2012
19	WM Renewable Energy - Eagle Valley Landfill	3.2 MW		20 years	Landfill	8/18/2009	8/10/2010	6/1/2011
20	L'Anse Warden Electric Company	17 MW	Combined average price of \$98.94/MWh	20 years	Biomass	8/18/2009	8/10/2010	7/1/2010

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DTE Electric Company : Contracts								
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21	Boyce Hydro**	Firm 210,000 RECs w/additional 112,000 RECs dependent on generation	\$7.75/ REC	7 Years	Hydro	12/23/2009	4/27/2010	3/16/2010
16	Nova Consultants	Up to 3 MW	Up to \$18 Million	Company Owned	Solar	11/23/2009	3/2/2010	12/31/2010
22	Heritage Sustainable Energy Stoney Corners Wind Farm	12.2 MW	Unchanged from original contract	20 Years	Wind	Unsolicited	12/1/2009	1/1/2011
23	UPPCO**	Firm 500,000 RECs	Combined average price of \$12.46/REC	7 Years	Hydro	12/23/2009	12/1/2009	10/1/2009
Not Shown	Sterling Planet**	Firm 2,500,000 RECs		10 Years	MISC	12/23/2009	12/1/2009	10/1/2009
22	Heritage Sustainable Energy Stoney Corners Wind Farm	14 MW	\$116.00/MWh	20 Years	Wind	Unsolicited	4/30/2009	12/21/2009
	Total	989.4 MW						
* Per MWh prices represent levelized costs. ** Pre-existing projects prior to 2008 PA 295 - The commercial operation date would refer to the effective date of the contract. ***Staff calculated levelized cost								

Alpena Power Company : Contracts								
	Seller	Quantity	Cost	Term	Renewable Energy Type	Request for Proposal	Commission Approval	Commercial Operation Date
26	Consumers Energy	"Bulk of RECs needed to meet the RPS"	Consumers Energy Company's Average Cost of RECs	20 Years	MISC	Unsolicited	9/15/2009	8/4/2009
AEP/Indiana Michigan : Contracts								
	Seller	Quantity	Cost	Term	Renewable Energy Type	Request for Proposal	Commission Approval	Commercial Operation Date
	Fowler Ridge Wind Farm II	50 MW (7.5MW for MI)	Redacted	20 Years	Wind	Unsolicited	9/15/2009	2/15/2010
	Wildcat I Wind Farm, LLC	100 MW (60MW for MI)	Redacted	20 years	Wind	Competitive Solicitation	8/25/2011	12/31/12
Wisconsin Electric Power Company : Contracts								
	Seller	Quantity	Cost	Term	Renewable Energy Type	Request for Proposal	Commission Approval	Commercial Operation Date
	Cadillac Renewable Energy, LLC	REC-Only Redacted	Redacted	Redacted	Biomass	Competitive Solicitation	01/23/2014	Redacted