

ELECTRIC GENERAL RATE APPLICATION 2015**Manitoba Hydro Undertaking #49**

Manitoba Hydro to file a summary chart breaking out the electric investment in DSM measures for each of the measures listed on page 154 of Volume 5 of the book of documents.

Response:

The following table outlines the electric DSM information from the 2015/16 Power Smart Plan.

Programs	Participation Definition	2015/16 Participation	Capacity Savings (MW)	Energy Savings (GW.h)	Utility Investment (Millions, 2015\$)
Service Extension Initiative for New Homes	No. of houses	0	0.0	0.0	\$0.0
Home Insulation Program	No. of houses	886	2.2	4.3	\$1.9
Water and Energy Saver Program	No. of houses	12,500	0.8	4.6	\$1.1
Affordable Energy Program	No. of retrofits	1,233	2.6	6.2	\$2.7
Refrigerator Retirement Program	No. of appliances	11,000	1.6	15.2	\$2.3
Drain Water Heat Recovery Initiative	No. of houses	1,856	0.3	1.9	\$0.6
Residential Geothermal Program	No. of houses	0	0.0	0.0	\$0.0
Residential Solar Hot Water Heating Program	No. of houses	0	0.0	0.0	\$0.0
Residential LED Lighting Program	No. of bulbs	392,724	4.0	12.7	\$2.6
Community Geothermal Program	No. of systems	220	1.9	3.8	\$1.5
Power Smart Residential Loan	No. of loans	684	0.3	0.5	\$0.0
Power Smart PAYS Financing	No. of loans	239	0.1	0.3	\$0.0
Residential Earth Power Loan	No. of loans	130	0.3	0.7	\$0.0
Residential Programs			14.1	50.1	\$12.8
Commercial Lighting Program	No. of projects	767	10.3	39.3	\$8.9
LED Roadway Lighting Conversion Program	No. of conversions	27,863	1.6	10.8	\$11.0
Commercial Building Envelope - Windows Program	No. of projects	45	1.0	2.1	\$0.8
Commercial Building Envelope - Insulation Program	No. of projects	46	1.0	2.2	\$0.7
Commercial Geothermal Program	No. of buildings	23	1.2	2.4	\$0.5
Commercial HVAC Program - Boilers	No. of boilers	0	-	-	\$0.0
Commercial HVAC Program - Chillers	No. of chillers	24	0.0	5.1	\$0.5
Commercial HVAC Program - CO2 Sensors	No. of sensors	112	0.1	0.2	\$0.1
Commercial HVAC Program - Water Heaters	No. of water heaters	0	-	-	\$0.0
Commercial Custom Measures Program	No. of projects	5	0.1	0.6	\$0.3
Commercial Building Optimization Program	No. of buildings	2	0.1	0.3	\$0.1
New Buildings Program	No. of buildings	20	4.2	14.0	\$3.0
Commercial Refrigeration Program	No. of locations	310	1.1	9.5	\$0.8
Commercial Kitchen Appliance Program	No. of appliances	230	0.2	0.9	\$0.1
Network Energy Management Program	No. of licenses	1,932	0.0	0.3	\$0.1
Internal Retrofit Program	No. of projects	23	0.2	0.8	\$0.7
Power Smart Shops	No. of projects	500	0.1	0.6	\$0.3
Power Smart for Business PAYS Financing	No. of loans	27	0.0	0.0	\$0.0
Commercial Programs			21.2	89.1	\$27.8
Performance Optimization Program	No. of projects	96	2.1	17.0	\$5.2
Natural Gas Optimization Program	No. of projects	0	-	-	\$0.0
Industrial Programs			2.1	17.0	\$5.2
Energy Efficiency Subtotal			37.4	156.2	\$45.8
Curtailable Rate Program	No. of customers	3	157.8	-	\$6.0
Load Management			157.8	-	\$6.0
Bioenergy Optimization Program	No. of projects	1	0.6	3.8	\$0.8
Customer Sited Load Displacement	No. of customers	1	8.0	57.2	\$5.5
Load Displacement & Alternative Energy			8.6	61.0	\$6.3
Interactive Effects			-	-	-
Program Support			-	-	\$5.2
Power Smart Plan - 2015/16			204	217	\$63.4

Note: The utility investment column includes \$1.7 million from the Affordable Energy Fund.