

**CENTRA GAS MANITOBA INC.
2013/14 GENERAL RATE APPLICATION**

VOLUME I

DEMAND SIDE MANAGEMENT

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DEMAND SIDE MANAGEMENT

1 **7.0 Overview of Tab 7**

2 Tab 7 provides an overview of Centra Gas Manitoba Inc.'s ("Centra") Demand Side
3 Management ("DSM") initiatives. Section 7.1 discusses the benefits of DSM, Section 7.2
4 outlines the current DSM plan, Section 7.3 provides a summary of the progress of Power
5 Smart Programs to date, and Section 7.4 reviews Centra's Lower Income Furnace
6 Replacement Program.

7

8 **7.1 Benefits of DSM**

9 The Corporation's DSM initiative, "Power Smart", consists of energy conservation and
10 load management activities designed to lower the demand for electricity and natural gas
11 in Manitoba. DSM initiatives are designed to assist customers in meeting their energy
12 needs through energy efficiency measures. For the natural gas business, such initiatives
13 enable Centra to serve domestic customers with less energy based on reduced
14 domestic load requirements, which results in a reduction in the volume of greenhouse
15 gas emissions produced through the use of natural gas.

16

17 Centra's Commercial Boiler Program is one example of a natural gas energy efficiency
18 initiative promoting the installation of heating technologies that use less energy than
19 conventional technologies but provide similar levels of comfort. A number of other
20 energy conservation initiatives are offered including, but not limited to, the Home
21 Insulation Program, the Water & Energy Saver Program, the Lower Income Energy

1 Efficiency Program, the Home Comfort and Energy Savings Program, the Commercial
2 New Buildings Program, the Commercial Building Envelope Program, and the Industrial
3 Natural Gas Optimization Program.

4

5 **7.2 Current DSM Plan**

6 The Corporation's DSM plan involves a continued commitment to maximizing cost-
7 effective DSM savings. Under the recent long range plan for DSM, "The 2011 Power
8 Smart Plan", energy savings resulting from natural gas Power Smart initiatives (including
9 savings to date) are targeted to achieve 153 million cubic metres/year by 2025/26. This
10 plan represents a significant investment and commitment by the Corporation. A copy of
11 the 2011 Power Smart Plan is attached as Appendix 7.1.

12

13 **7.3 Summary of Progress to Date**

14 The Corporation's Power Smart Programs have been and continue to be very
15 successful. Appendix 7.2 provides a copy of the 2010/11 Power Smart Annual Review.
16 The energy savings realized during 2011/12 are currently being evaluated, with the
17 report expected to be finalized in 2013. By the end of 2010/11, natural gas Power Smart
18 Programs are estimated to have achieved an annual energy reduction of 57 million cubic
19 metres. These Power Smart natural gas savings translate into a cumulative reduction of
20 \$81 million in customer bills to date, and greenhouse gas emission reductions of
21 approximately 108,000 tonnes of carbon dioxide equivalent emission in 2010/11 alone.
22 The cumulative energy reduction achieved through the Corporation's DSM efforts is on
23 target with meeting the forecast energy savings.

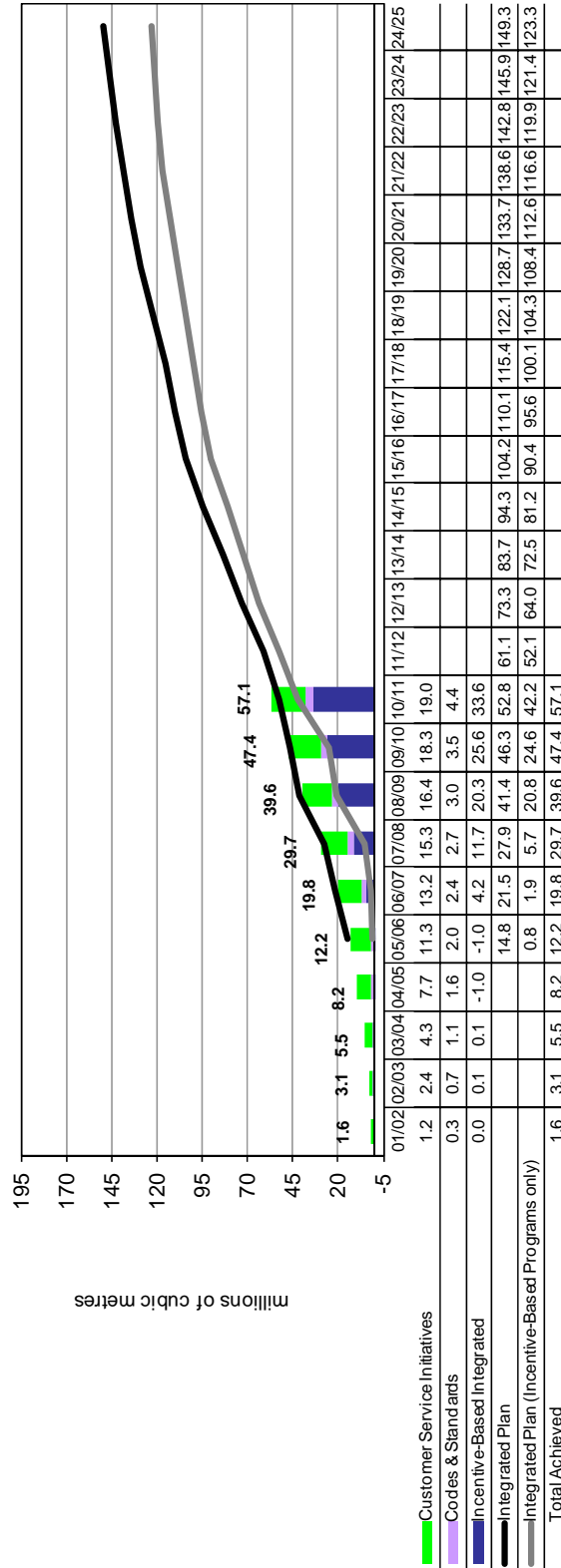
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25 Figure 7.3.1 depicts the cumulative natural gas savings realized through to 2010/11.

1 Figure 7.3.1

2
 3

Integrated Natural Gas Savings - Power Smart Portfolio
 Total Savings Achieved vs. Plan



1 **7.4 Lower Income Furnace Replacement Program**

2 Appendix 7.3 provides the Lower Income Energy Efficiency Program and Furnace
3 Replacement Program reports for the periods ending September 30, 2011, December
4 31, 2011, March 31, 2012, June 30, 2012 and September 30, 2012.