

Manitoba Hydro
Consolidated Capital Expenditure Forecast (CEF12)
For the Years 2012/13 – 2031/32

CAPITAL EXPENDITURE FORECAST (CEF12)

(in millions of dollars)

	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Total Project Cost										
Customer Care & Marketing										
Advanced Metering Infrastructure	30.9	-	4.0	5.4	5.5	5.6	4.4	4.4	3.9	-
Customer Care & Marketing Domestic	NA	3.0	3.1	3.9	4.0	4.1	4.1	4.1	4.2	4.4
Target Adjustment	NA	-	-	-	-	-	-	-	-	-
	3.0	3.1	7.9	9.3	9.4	9.7	8.5	8.5	8.2	4.3
Finance & Administration										
Corporate Buildings	NA	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
1840 Chevrier Apparatus Maintenance Shop Ancillary Processing Facility	4.0	1.3	1.8	0.9	-	-	-	-	-	-
EAM Phase 2	18.6	5.0	2.6	-	-	-	-	-	-	-
Workforce Management (Phase 1 to 4)	17.7	1.4	-	-	-	-	-	-	-	-
Fleet	NA	13.0	14.3	14.9	15.2	15.5	15.8	16.2	16.5	16.8
Finance & Administration Domestic	NA	22.0	25.9	27.0	27.5	28.1	28.7	29.2	29.8	30.4
Target Adjustment	NA	(1.9)	(6.5)	-	-	-	-	-	-	-
	47.5	48.3	53.5	50.8	50.8	51.6	52.5	53.4	54.3	55.2
ELECTRIC CAPITAL SUBTOTAL	1,342.9	1,858.8	2,009.2	2,075.0	2,217.6	2,185.3	1,878.8	1,863.7	1,819.3	2,319.9
GAS										
Customer Service & Distribution										
Ille Des Chenes NG Transmission Network Upgrade	1.2	1.1	-	-	-	-	-	-	-	-
Gas SCADA Replacement	4.6	2.6	-	-	-	-	-	-	-	-
Customer Service & Distribution Domestic	NA	22.1	26.2	27.3	27.8	28.4	28.9	29.5	30.1	30.7
Target Adjustment	NA	(3.8)	(3.7)	-	-	-	-	-	-	-
	22.1	22.5	26.7	27.3	27.8	28.4	28.9	29.5	30.1	30.7
Customer Care & Marketing										
Advanced Metering Infrastructure	15.0	-	1.0	5.4	8.3	-	-	-	-	-
Demand Side Management	NA	9.3	8.8	-	-	-	-	-	-	-
Customer Care & Marketing Domestic	NA	4.8	4.9	5.0	5.1	5.3	5.4	5.5	5.7	5.8
Target Adjustment	NA	-	-	-	-	-	-	-	-	-
	14.2	13.7	13.7	10.6	13.5	5.3	5.4	5.5	5.7	5.8
GAS CAPITAL SUBTOTAL	36.3	36.2	32.8	37.8	41.3	33.7	34.4	35.1	35.8	36.5
CONSOLIDATED CAPITAL	1,379.1	1,895.0	2,041.9	2,112.8	2,258.9	2,219.0	1,913.2	1,718.8	1,855.1	2,356.4
G91.1 Fall Update Base Capitalized Interest Revision	-	(0.3)	(0.4)	(0.6)	(0.4)	(0.4)	(0.5)	(0.5)	(0.6)	(0.6)
CEF12 TOTAL	1,379.1	1,894.7	2,041.5	2,112.2	2,258.5	2,218.6	1,912.7	1,718.3	1,854.4	2,355.8

GAS OPERATIONS:

CUSTOMER SERVICE & DISTRIBUTION:

Ile Des Chenes NG Transmission Network Upgrade

Description:

Upgrade the Ile Des Chenes natural gas transmission network by installing 220 meters of NPS 12 steel natural gas transmission pipeline, two 16" isolation valve assemblies, and abandoning approximately 10 meters of NPS 16 steel natural gas transmission pipeline and one NPS 12 plug valve.

Justification:

The upgrades will increase the reliability of gas supply to the city of Winnipeg and communities north and east of Winnipeg. The current configuration of the Ile Des Chenes transmission system at the Red River Floodway crossing does not allow for isolation of the NPS 16 pipeline in the event of damage, which could negatively impact approximately 203,000 natural gas customers.

In-Service Date:

October 2012.

Revision:

Cost flow revision only.

	Total	2013	2014	2015	2016	2017	2018-32
Previously Approved	\$ 1.2	\$ 0.9	\$ -	\$ -	\$ -	\$ -	\$ -
Increase (Decrease)	-	0.2	-	-	-	-	-
Revised Forecast	\$ 1.2	\$ 1.1	\$ -	\$ -	\$ -	\$ -	\$ -

Gas SCADA Replacement

Description:

Replace the current Gas Supervisory Control and Data Acquisition (SCADA) system with a vendor-supported SCADA system.

Justification:

Replacement of the current gas SCADA system is required as product support is being discontinued by the vendor, and vendor alternative product does not meet the complete system requirements for Manitoba Hydro.

In-Service Date:

October 2012.

Revision:

In-service date deferred eight months from February 2012.

	Total	2013	2014	2015	2016	2017	2018-32
Previously Approved	\$ 4.6	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Increase (Decrease)	-	2.6	-	-	-	-	-
Revised Forecast	\$ 4.6	\$ 2.6	\$ -	\$ -	\$ -	\$ -	\$ -

Customer Service & Distribution Domestic

Description:

This program consists of projects whose individual costs are of a relatively small amount. These projects are required to extend, rebuild or upgrade: transmission pipelines, distribution pipelines, regulating stations, and customer service lines.

Justification:

Required to provide ongoing safe and reliable supply of natural gas to customers.

In-Service Date:

Ongoing.

Revision:

Deferred capitalization of meter compliance program costs.

	Total	2013	2014	2015	2016	2017	2018-32
Previously Approved	NA	\$ 25.7	\$ 26.2	\$ 26.7	\$ 27.3	\$ 27.8	\$ 490.5
Increase (Decrease)		(3.6)	-	-	-	-	(0.0)
Revised Forecast	NA	\$ 22.1	\$ 26.2	\$ 26.7	\$ 27.3	\$ 27.8	\$ 490.5

CUSTOMER CARE & MARKETING:

Advanced Metering Infrastructure

Description:

Purchase and install an automated metering infrastructure (AMI) communication network to remotely read and electronically disseminate gas meter readings and other relevant customer information to appropriate departments and divisions.

Justification:

Satisfies the ongoing need for routine, periodic meter readings in customer billing as well as provides 'on demand' readings to respond to customer inquiries. Other benefits include: increased customer satisfaction due to greater billing accuracy; better detection of theft of service, meter tampering, defective meters and leaks; and greater flexibility in the timing and consolidation of billings.

In-Service Date:

March 2020.

Revision:

Cost flow revision and in-service date deferred one year from March 2019.

	Total	2013	2014	2015	2016	2017	2018-32
Previously Approved	\$ 15.0	\$ 1.0	\$ 5.4	\$ 8.4	\$ -	\$ -	\$ -
Increase (Decrease)	-	(1.0)	(5.4)	(7.3)	5.4	8.3	-
Revised Forecast	\$ 15.0	\$ -	\$ -	\$ 1.0	\$ 5.4	\$ 8.3	\$ -

Demand Side Management

Description:

Design, implement and deliver incentive based PowerSmart conservation programs to reduce gas consumption and greenhouse gas emissions in Manitoba. When combined with savings realized to-date, total natural gas savings of 149 million cubic meters are expected to be achieved by 2025.

Justification:

The natural gas Demand Side Management plan provides customers with exceptional value through the implementation of cost-effective energy conservation programs that are designed to minimize the total cost of energy services to customers, position the Corporation as a national leader in implementing cost-effective energy conservation and alternative energy programs, protect the environment and promote sustainable energy supply and service.

In-Service Date:

Ongoing.

Revision:

Revisions to energy saving and expenditures for a number of programs based on current and updated market information. Upon adoption of IFRS in 2014/15, the demand side management programs will no longer be capitalized.

	Total	2013	2014	2015	2016	2017	2018-32
Previously Approved	NA	\$ 13.4	\$ -	\$ -	\$ -	\$ -	\$ -
Increase (Decrease)		(4.1)	8.8	-	-	-	-
Revised Forecast	NA	\$ 9.3	\$ 8.8	\$ -	\$ -	\$ -	\$ -

Customer Care & Marketing Domestic

Description:

This program covers the additions and replacements of gas meters.

Justification:

As required for the connection of new customers to the system, as well as replacement of existing time expired or faulty meters.

In-Service Date:

Ongoing.

Revision:

No change.

	Total	2013	2014	2015	2016	2017	2018-32
Previously Approved	NA	\$ 4.8	\$ 4.9	\$ 5.0	\$ 5.1	\$ 5.2	\$ 92.2
Increase (Decrease)		-	-	-	-	-	-
Revised Forecast	NA	\$ 4.8	\$ 4.9	\$ 5.0	\$ 5.1	\$ 5.2	\$ 92.2