

Milton Hydro Distribution Inc.

Electricity Distribution Licence ED-2003-0014

Presentation to the Ontario Energy Board

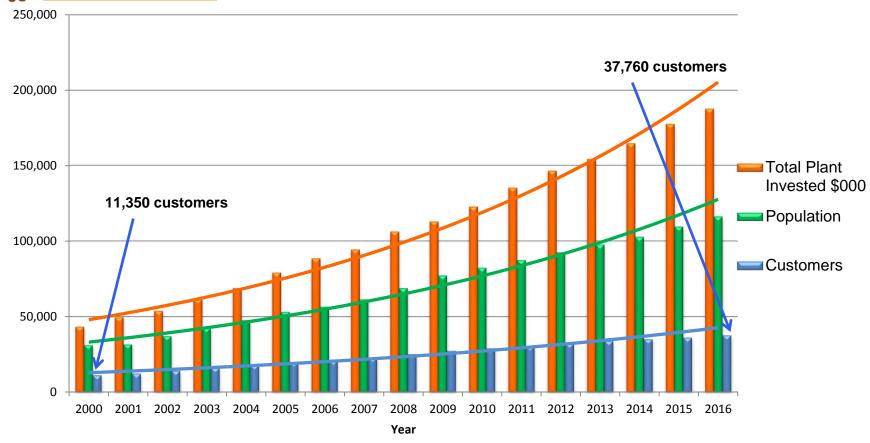
November 17, 2015







Total Plant Invested, Population & Customer Growth











Industry Leader Customer **Operational** Reliably Satisfaction Excellence **Powering** Our Community People & Culture **Proactive** Communication Safety | Innovation | Integrity

Renewed Regulatory Framework for Electricity ("RRFE")

Reliably Powering Our Community

- Focuses on the reliable supply of electricity, and
- Empowering our community to:
 - engage in their understanding of the electricity industry;
 - understand how they use electricity;
 - ✓ to participate in conservation and renewable generation.

Customer Focus

Operational Effectiveness

Public Policy Responsiveness

Financial Performance



MILTON HYDRO 2014 SCORECARD

												arget
erformance Outcomes	Performance Categories	Measures			2010	2011	2012	2013	2014	Trend	Industry	Distribut
ustomer Foous	Service Quality	New Residential/3mail on Time	Business Serv	ices Connected	99.10%	99.00%	98.60%	98.00%	99.50%	U	90.00%	
ervices are provided in a nanner that responds to		Scheduled Appointmen	nts Met On Tim	•	100.00%	100.00%	100.00%	99.70%	99.80%	U	90.00%	
manner that responds to Identified oustomer		Telephone Calls Answ	Telephone Calls Answered On Time			76.80%	82.60%	74.50%	77.80%	U	65.00%	
references.		First Contact Resolution	on						84%			
	Customer Satisfaction	Billing Accuracy							99.96%	-	98.00%	
		Customer Satisfaction	Survey Results						91%			
perational Effectiveness	Safety	Level of Public awaren	ess (measure t	o be determined]								
		Level of Compliance w	ith Ontario Reg	ulation 22/04	NI	С	NI	C	C	-		
ontinuous improvement in		Serious Electrical	Number of	General Public Incidents	0	0	0	1	0	-		
roductivity and cost erformance is achieved; and		Incident Index	Rate per 10), 100, 1000 km of line	0.000	0.000	0.000	0.102	0.000	-		
errormance is achieved; and listributors deliver on system eliability and quality	System Reliability	Average Number of Hours that Power to a Customer is interrupted			0.55	1.05	0.81	7.94	1.22	0		at least with 0.55 - 7.94
bjectives.		Average Number of Times that Power to a Customer is interrupted			0.40	1.12	1.05	0.99	1.06	0		at least witi 0.40 - 1.12
	Accet Management	Distribution System Plan Implementation Progress							on track			
		Efficiency Assessment Total Cost per Customer 1					3	2	2			
	Cost Control				\$659	\$676	\$644	\$654	\$679			
		Total Cost per Km of L	ine 1		\$20,478	\$21,698	\$21,166	\$22,402	\$23,629			
ubile Polley Responsiveness	Conservation & Demand	Net Annual Peak Dem	and Savings (P	ercent of target achieved) 2		13.47%	17.56%	23.56%	47.87%	•		8.05M
talandara dan ara	Management	Net Cumulative Energy	Net Cumulative Energy Savings (Percent of target achieved) Renewable Generation Connection Impact Assessments Completed On Time			48.99%	60.40%	72.86%	92.23%	•		33.500
istributors deliver on bligations mandated by overnment (e.g., in legislation and in regulatory requirements	Connection of Renewable Generation					100.00%	100.00%		100.00%			
nposed further to Ministerial irectives to the Board).		New Micro-embedded	New Micro-embedded Generation Facilities Connected On Time					100.00%	100.00%		90.00%	
inanolal Performance	Financial Ratios	Liquidity: Current Rati	Liquidity: Current Ratio (Current Assets/Current Liabilities)			1.56	1.59	1.68	1.59			
nanolal viability is aintained; and savings from		Leverage: Total Debt (includes short-term and long-term debt) to Equity Ratio		term and long-term debt) to	0.72	0.79	0.90	0.92	1.17			
perational effectiveness are ustainable.		Profitability: Regulator	ry	Deemed (included in rates)		9.58%	9.58%	9.58%	9.58%			
		Return on Equity		Achieved		8,90%	8,15%	10.60%	10.29%			

Notes:

1. These figures were generated by the Board based on the total cost benchmarking analysis conducted by Pacific Economics Group Research, LLC and based on the distributor's annual reported information.

2. The Conservation & Demand Management net annual peak demand savings include any persisting peak demand savings from the previous years.





2014 Customer Survey Report Card Results

	Milton Hydro's UtilityPULSE Report Card®									
	Category	Milton Hydro	Ontario							
1	Customer Care	B+	В							
	Price and Value	В	C+							
	Customer Service	Α	В							
2	Company Image	Α	B+							
	Company Leadership	Α	B+							
	Corporate Stewardship	Α	B+							
3	Management Operations	Α	Α							
	Operational Effectiveness	Α	B+							
	Power Quality and Reliability	A	А							
	OVERALL	Α	B+							

"B+...Customer Care"

"A ...Company Image"

"A ...Management Operations"

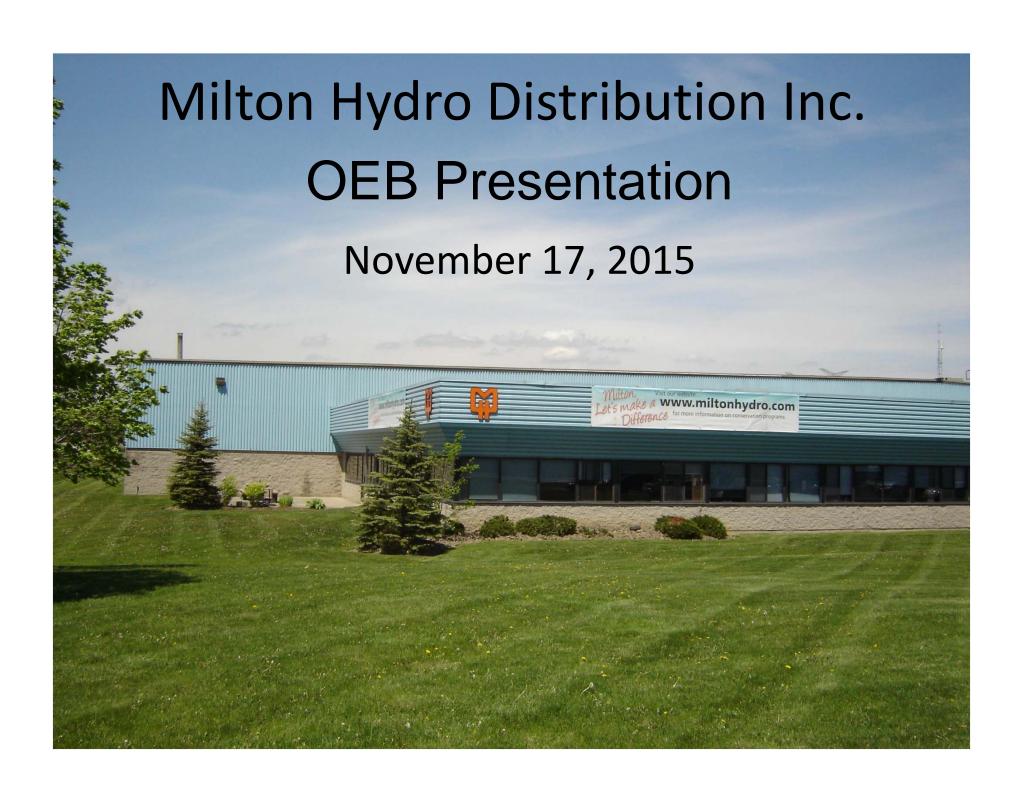


Stretch Factor Assignments by Group

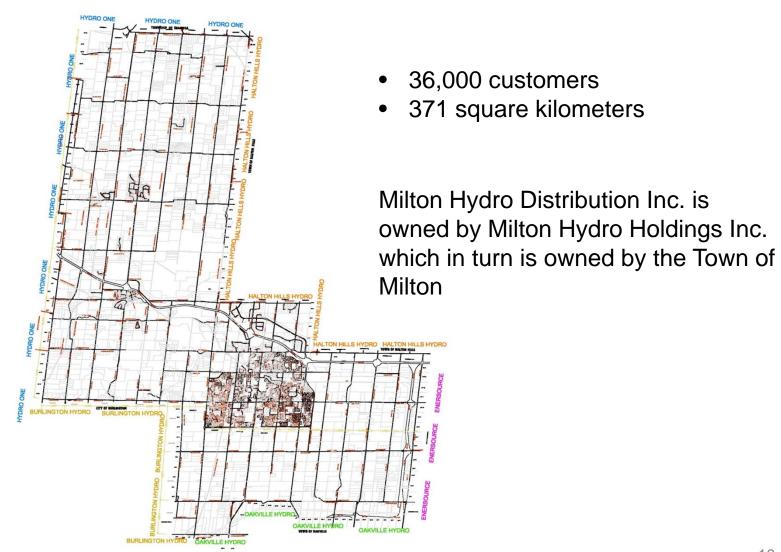
Group I	Group II	Gre	oup III	Group IV	Group V
Stretch Factor = 0%	Stretch Factor = 0.15%	Stretch Fa	ector = 0.30%	Stretch Factor = 0.45%	Stretch Factor = 0.60%
E.L.K. Energy Inc.	Cooperative Hydro Embrun Inc.	Bluewater Power Distribution Corporation	Niagara Peninsula Energy Inc.	Atikokan Hydro Inc.	Algoma Power Inc.
Halton Hills Hydro Inc.	Enersource Hydro Mississauga Inc.	Brantford Power Inc.	Niagara-On-The-Lake Hydro Inc.	Canadian Niagara Power Inc.	Hydro One Networks Inc.
Hearst Power Distribution Company Limited	Entegrus Powerlines	Brant County Power Inc.	Norfolk Power Distribution Inc.	Chapleau Public Utilities Corporation	Toronto Hydro-Electric System Limited
Hydro Hawkesbury Inc.	Espanola Regional Hydro Distribution Corporation	Burlington Hydro Inc.	North Bay Hydro Distribution Limited	Enwin Utilities Ltd.	West Coast Huron Energy Inc
Northern Ontario Wires Inc.	Essex Powerlines Corporation	Cambridge And North Dumfries Hydro Inc.	Orangeville Hydro Limited	Festival Hydro Inc.	Woodstock Hydro Services In
Wasaga Distribution Inc.	Grimsby Power Incorporated	Centre Wellington Hydro Ltd.	Orillia Power Distribution Corporation	Greater Sudbury Hydro Inc.	
	Haldimand County Hydro Inc.	Collus Power Corporation	Ottawa River Power Corporation	Midland Power Utility Corporation	
	Kitchener	Erie Thames Powerlines Corporation	Powerstream Inc.	Oakville Hydro Electricity Distribution Inc.	
	Lakefront Utilities Inc.	Fort Frances Power Corporation	Rideau St. Lawrence Distribution Inc.	Peterborough Distribution Incorporated	
	London Hydro Inc.	Guelph Hydro Electric Systems Inc.	Sioux Lookout Hydro Inc.	PUC Distribution Inc.	
	Milton Hydro Distribution Inc.	Horizon Utilities Corporation	St. Thomas Energy Inc.	Renfrew Hydro Inc.	
	Newmarket	Hydro 2000 Inc.	Thunder Bay Hydro Electricity Distribution Inc.	Tillsonburg Hydro Inc.	
	Oshawa PUC Networks Inc.	Hydro One Brampton Networks Inc.	Veridian Connections Inc.	Wellington North Power	
	Welland Hydro-Electric System Corp.	Hydro Ottawa Limited	Waterloo North Hydro Inc.		
		Innisfil Hydro Distribution Systems Limited	Westario Power Inc.		
		Kenora Hydro Electric Corporation Ltd.	Whitby Hydro Electric Corporation		
		Kingston Hydro Corporation			
		Lakeland Power Distribution Ltd.			

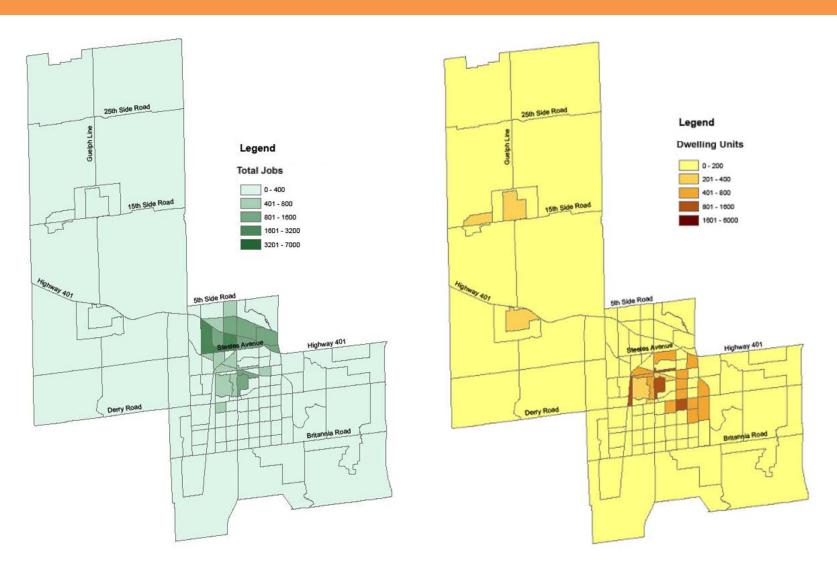


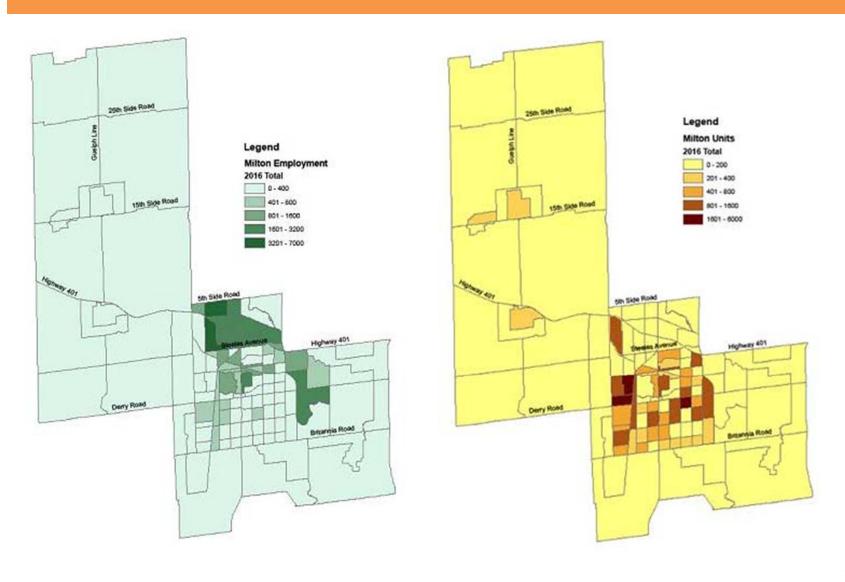
Bruno Pereira will now review Milton Hydro's Distribution Plan and Capital Expenditures.

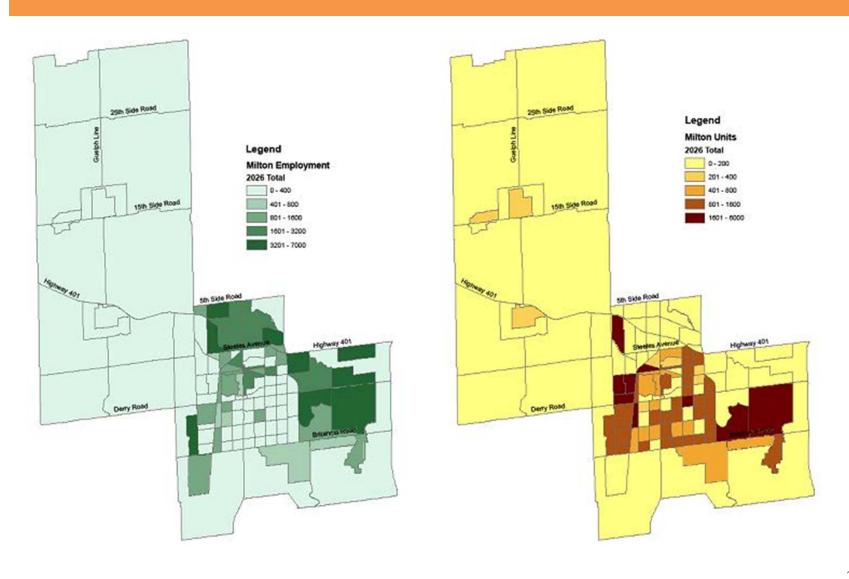


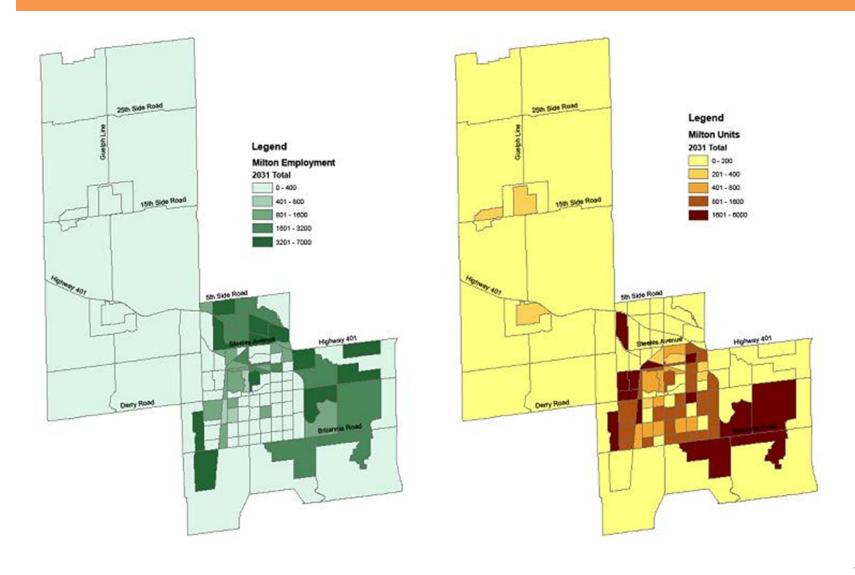
Milton







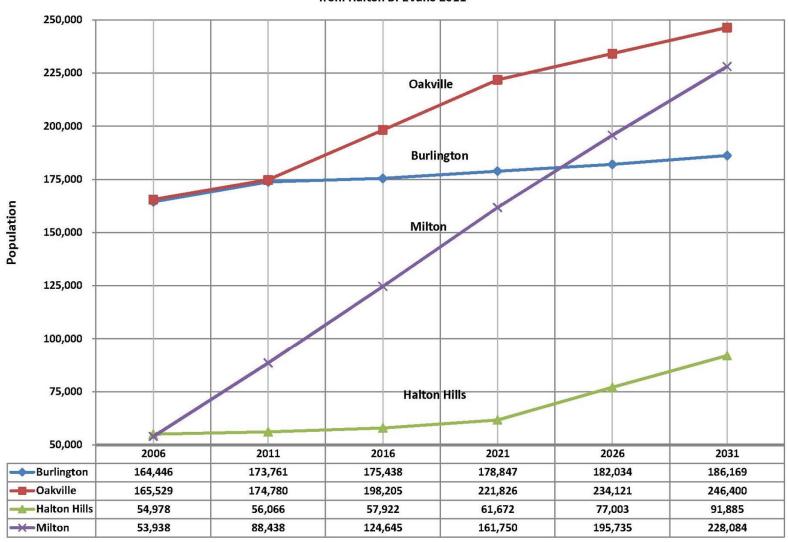




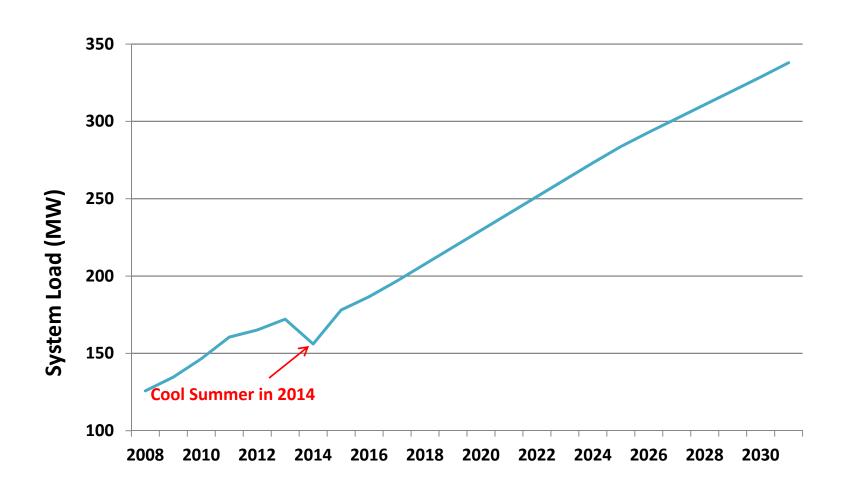
Milton Population

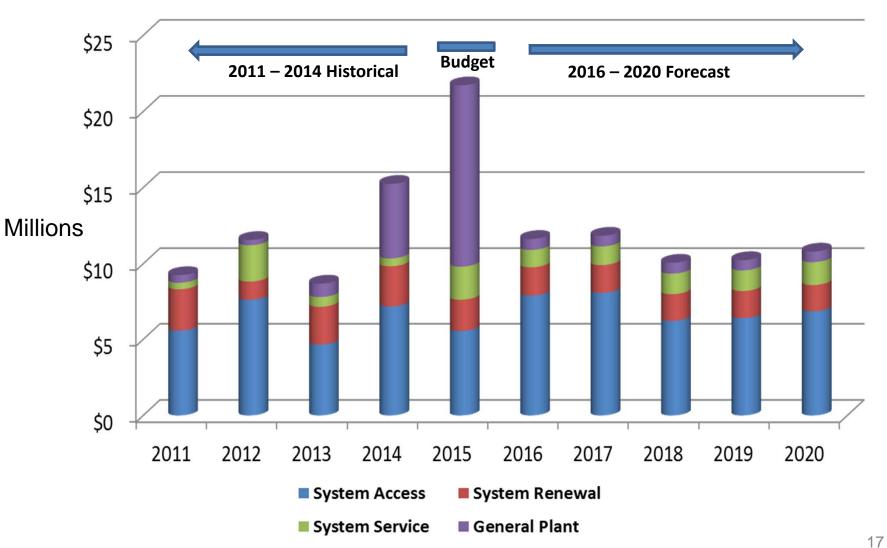
Population

from Halton BPE June 2011



Load Growth in Milton





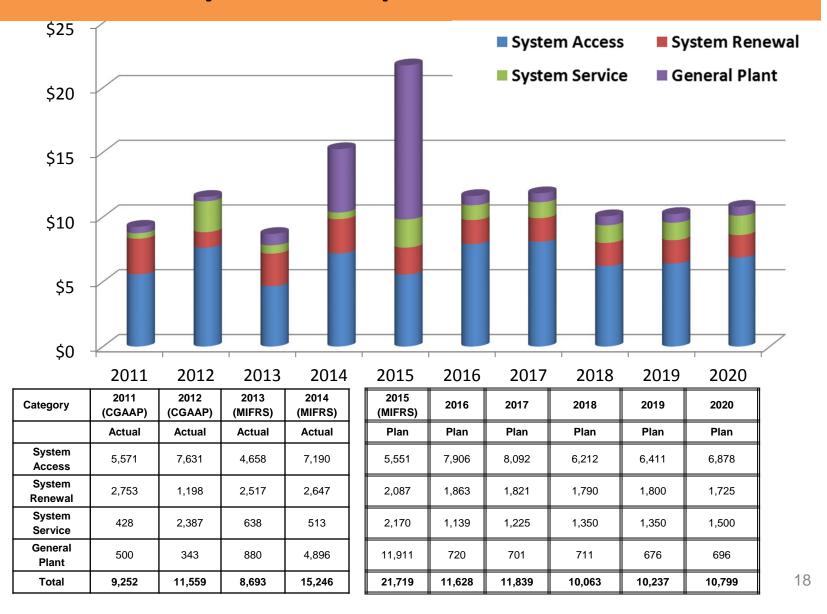


	Table 43 Ca	pital Expenditures A	ctual (\$' 000)		
Category	2011	2012	2013	2014	
Category	(CGAAP)	(CGAAP)	(MIFRS)	(MIFRS)	
	Actual	Actual	Actual	Actual	
System	5,571	7,631	1 650	7,190	
Access	5,571	7,031	4,658	7,190	
System	2,753	1,198	2,517	2,647	
Renewal	2,755	1,190	2,517		
System	428	2,387	638	513	
Service	420	2,307	030	515	
General	500	343	880	4,896	
Plant	500	ა 4 ა	000	4,090	
Total	9,252	11,559	8,693	15,246	

In 2012 approximately \$2 million on feeder egress from Tremaine TS and Glenorchy MTS

- Capacity
- Reliability

In 2014, purchase of land/building for new office site. Land of \$4 million capitalized in 2014.

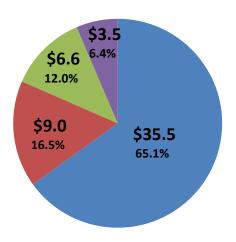
Capital Investments 2016-2020

	Table 44 Capital Expenditures Forecast (\$'000)										
	2016	2017	2018	2019	2020						
System Access	7,906	8,092	6,212	6,411	6,878						
System Renewal	1,863	1,821	1,790	1,800	1,725						
System Service	1,139	1,225	1,350	1,350	1,500						
General Plant	720	701	711	676	696						
Total	11,628	11,839	10,063	10,237	10,799						

Capital Cost Drivers 2016 - 2020

- 65.1% (\$35.5 million), System Access for growth related activities such as new subdivisions and road projects
- 16.5% (\$9 million), System Renewal to replace aging infrastructure such as poles and wires
- 12.0% (\$6.6 million), System Service for system improvements such as automation and new supply lines
- 6.4% (\$3.5 million), General Plant for general plant such as trucks, software and hardware

2016-2020 Proposed Capital Spend



- System Access
- System Renewal
- System Service
- General Plant

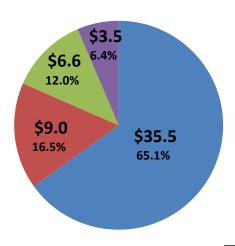
SYSTEM ACCESS

Customer requests for new connections or new infrastructure development. Usually a high priority, "must do" request

- Customer service requests -continued high growth in the Town of Milton requiring new customer connections
- 3rd party infrastructure -planned road widening work by the Town of Milton/Halton Region requiring pole relocation
- · Mandated service obligations
- Due to the continued high growth in the Town of Milton, System Access needs in the 2016 –2020 period will continue to focus on new subdivision connections and asset relocation due to urbanization and intensification of the road network.

Category	2016	2017	2018	2019	2020
	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
System Access	7,906	8,092	6,212	6,411	6,878
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2016 System Access



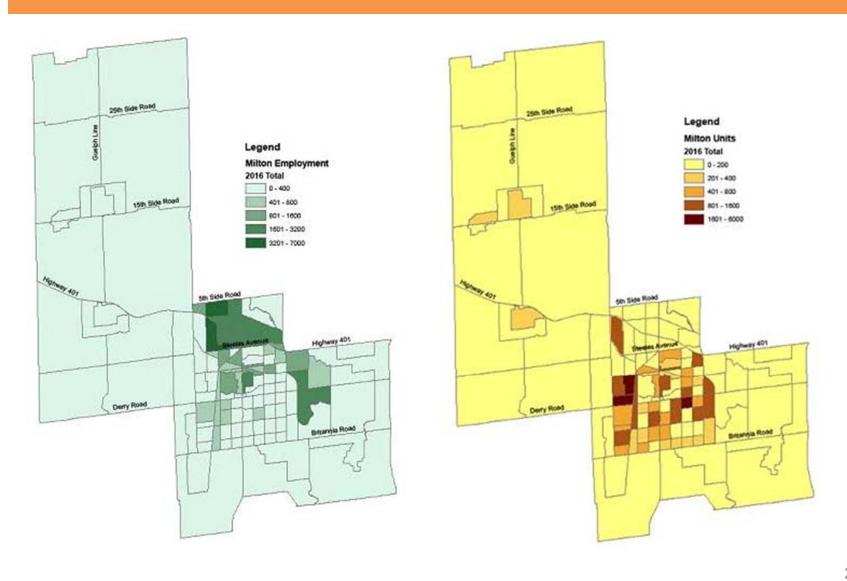
SYSTEM ACCESS

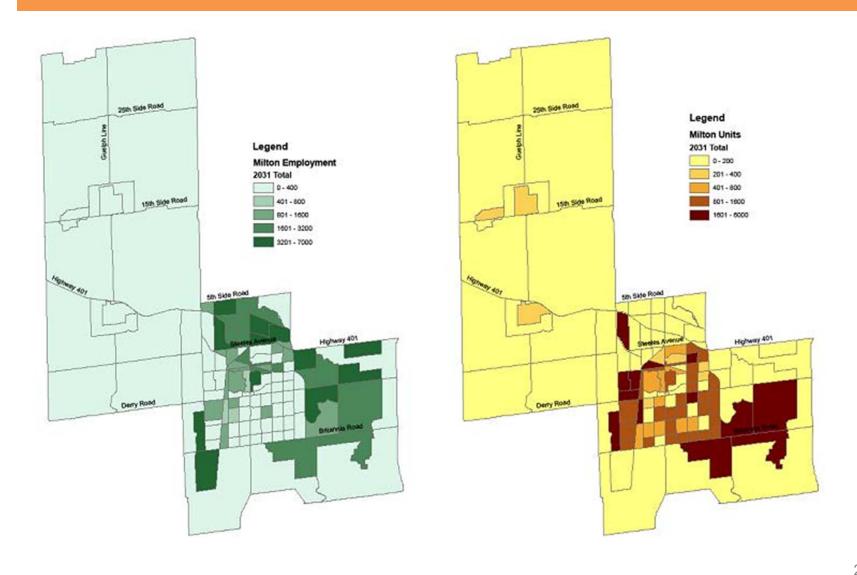
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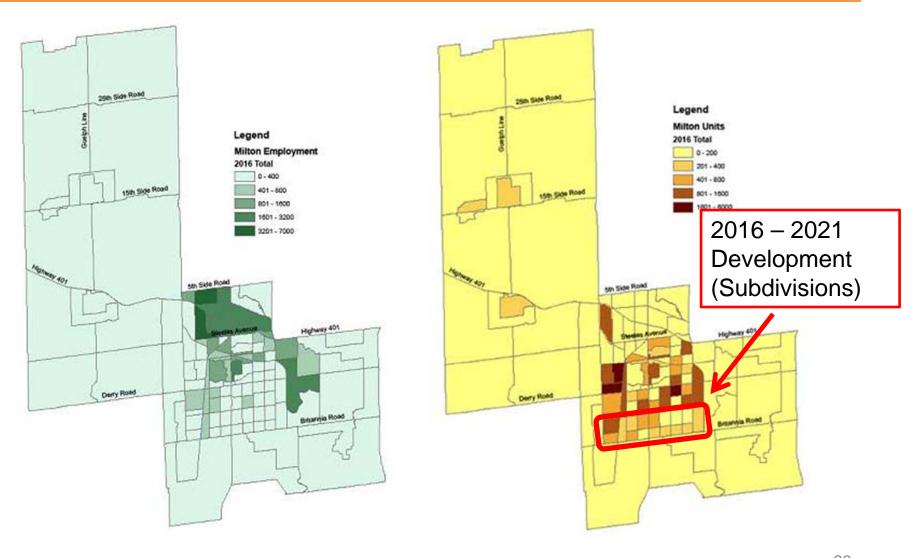
- Road Projects
- Customer Connections
- Subdivisions

- System Access
- System Renewal
- System Service
- General Plant

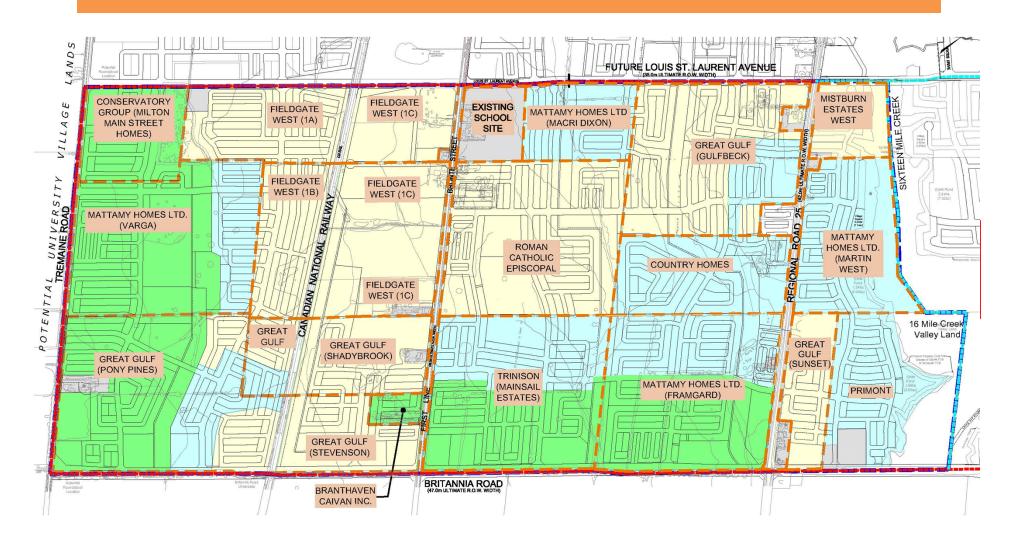
	Project Types	2016
	Project Types	\$'000
	ROAD PROJECTS	\$3,151
System Access	CUSTOMER CONNECTIONS	\$975
	SUBDIVISIONS	\$3,780
	Total	\$7,906



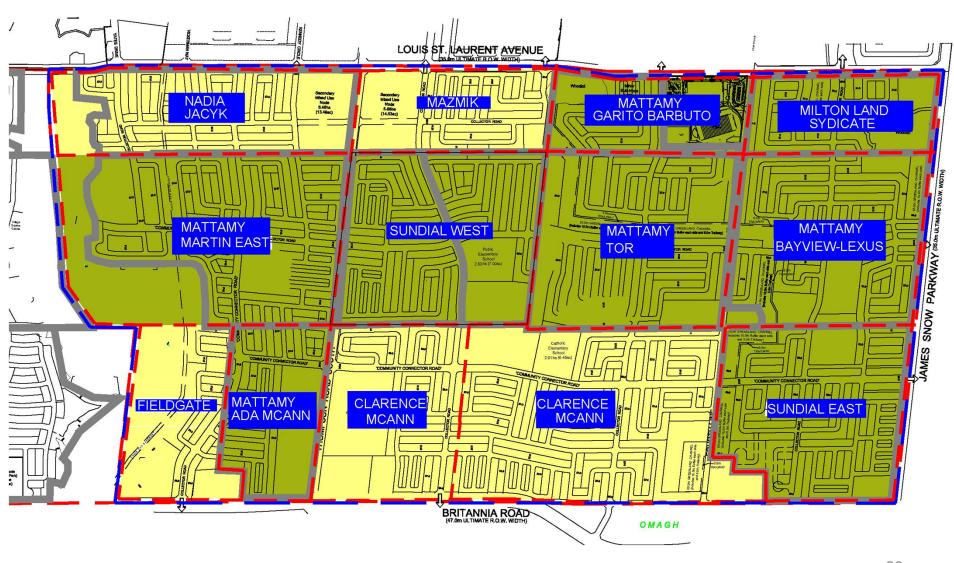




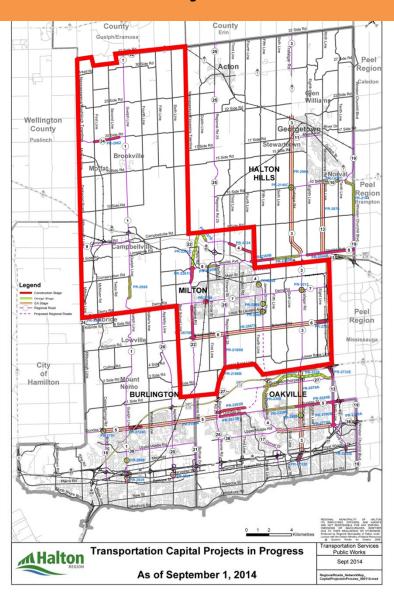
Milton – Subdivision Development



Milton – Subdivision Development

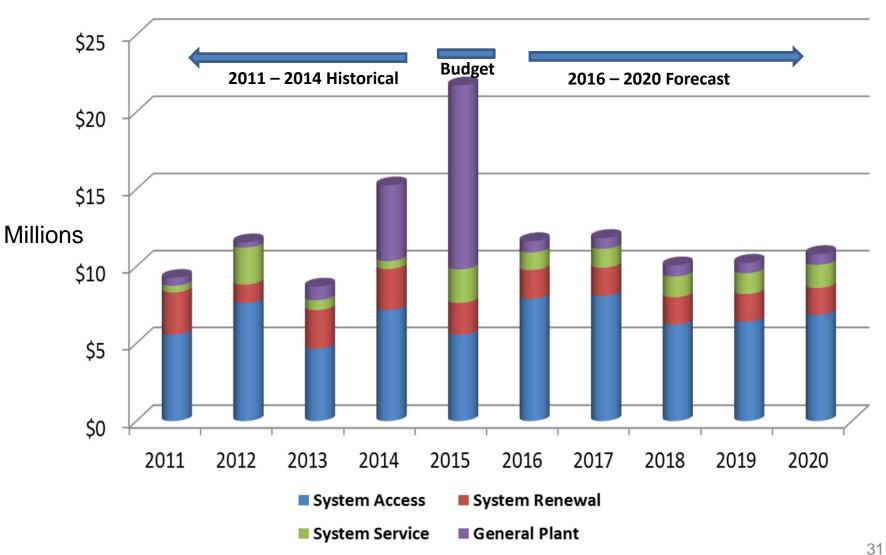


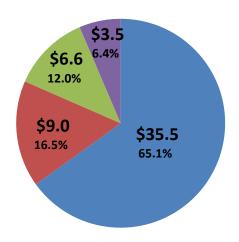
2016-2020 System Access



2016-2020 System Access

Fall 2015 Sep-15 Oct-14 Nov-14 Winter 2018 Spring 2016
Oct-14 Nov-14 Winter 2018
Nov-14 Winter 2018
Winter 2018
Winter 2018
Spring 2016
Sep-14
Fall 2016
Fall 2017
Sep-15
Summer 2018
Jul-15
Summer 2016
Summer 2017
Fall 2018
Sep-14
Summer 2016
Summer 2016
Summer 2016
Dec-14
Fall 2016
Fall 2015
Fall 2015
Oct-15
Dec-15
Dec-14
Jul-15
Winter 2016
Fall 2016
Nov-14
Winter 2017
Nov-14
Dec-14
Jul-15
73.17
Fall 2016





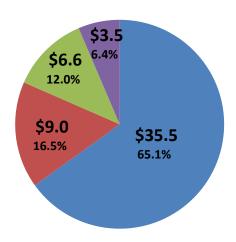
SYSTEM RENEWAL

Replacing aging equipment in poor condition

- Failure risk -multiyear planned pole replacement program
- Functional obsolescence conversion of municipal substations from 13.8kV to 27.6 kV supply
- High Performance risks overhead line rebuilds
- System Renewal spending will continue to focus on converting the remaining 13.8kV supplied areas to 27.6kV supply and the planned proactive pole replacement program.

- System Access
- System Renewal
- System Service
- General Plant

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	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
System Access	7,906	8,092	6,212	6,411	6,878
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	Project Name		2016 \$'000
	Pole Replacement Program		\$500
	Porcelain to Poly program		\$150
	Derry Rd – Trafalgar to 8th		\$155
System Renewal	6th line – Nass South of 25 SR		\$322
	6th Line – Nass north of 20 SR		\$321
	Main and Commercial UG Rebuild		\$65
	Misc. system renewal		\$350
		Total	\$1,863

Asset	Sub-	Quantity	TUL ¹		Asset Life	Remaining (TUL base)		Average
	Category		(years)	<10%	11% - 35%	36% - 65%	66% - 89%	>90%	Age
Substation Transforme	rs	5	40	2	3				37 years
Regulators		5	40		5				31 years
Circuit Brea	ıkers	4	40	2	2				36 years
Pole Mount Transforme		2,628	40	474	493	929	508	224	22 years
Pad Mount Transforme		2,555	40	17	125	459	1,454	500	10 years
Pad Mount Switchgear		75	30	4	5	26	30	10	11 years
Overhead S (Manual)	witches	299	45	52	56	54	83	54	21 years
Overhead S (Automated		60	30	0	1	2	16	41	4 years
Vault Trans	formers	107	40	10	46	38	4	9	25 years
Submersibl Transforme		470	40	2	0	113	309	46	11 years
Undergroui Cable (met		579,209	40	9,318	29,914	102,250	381,138	68,558	11 years
Poles - Woo	od	8,745	45	2,364	1,002	2,177	2,336	866	27 years
Poles - Con	crete	710	45	39	10	11	506	144	11 years

Asset	Sub-	Quantity	TUL ¹		Asset Life		Average		
	Category		(years)	<10%	11% - 35%	36% - 65%	66% - 89%	>90%	Age
Substation		F	40	2	2				27 years
Transforme	Transformers		40		5				37 years

SUBSTATIONS	Priority	2016	2017	2018	2019	2020
MS #4 T1 & T2	Reliability					
Breakers, Cubicles, Relays & Transformer Tests		Χ				
MS #6	Reliability					
Structure, On Load Tap Changer & Transformer				Χ		
MS # 7	Reliability					
Structure, Transformer & Reclosers			Χ			Χ
Regulator MRS #7	Reliability					
Regulator & Tap Changer Maintenance, Oil Analys	sis		Χ			Χ
Regulator MRS #10	Reliability					
Regulator & Tap Changer Maintenance, Oil Analysis			Χ			Χ
MS #9	Reliability					
Structure, Transformer & Reclosers			Χ			Χ
3-1 ph Regulators at Derry & Guelph	Reliability					
Regulator & Tap Changer Testing, Oil Analysis		Χ			Χ	
Transformer Oil Tests (All Substations & Regulators)	Reliability					
Standard 5 Part ASTM Oil Analysis		Χ	Χ	Χ	Χ	Χ
Dissolved Gases in Oil Analysis		Χ	Χ	Χ	Χ	Χ
Battery Maintenance & Inspection - All Stations	Reliability	Χ	Χ	Χ	Χ	Χ

OIL SAMPLE ANALYSIS RESULTS IN SERVICE - OIL

Cust PO : Lab No . . . : T 2015-1002

File No . . : 11249

Cust No . . : MIL08

MILTON HYDRO DISTRIBUTION INC.

Date Received : JUL 17 2015

8069 LAWSON ROAD

Analysis Date : JUL 20 2015

MILTON ON

Analyzed By : AA

L9T 5C4

Reviewed By :

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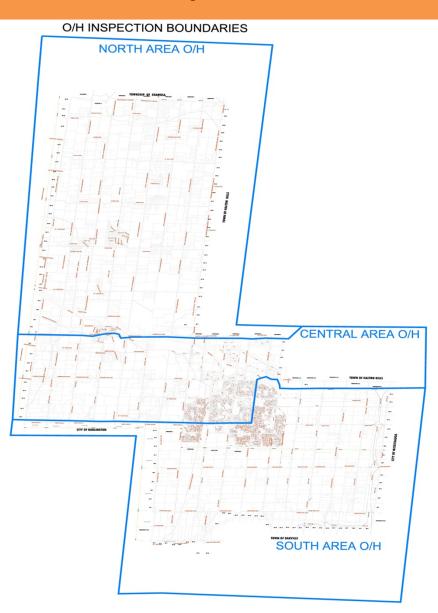
SAMPLE IDENTIFICATION

Description : MS6 TRANSFORMER

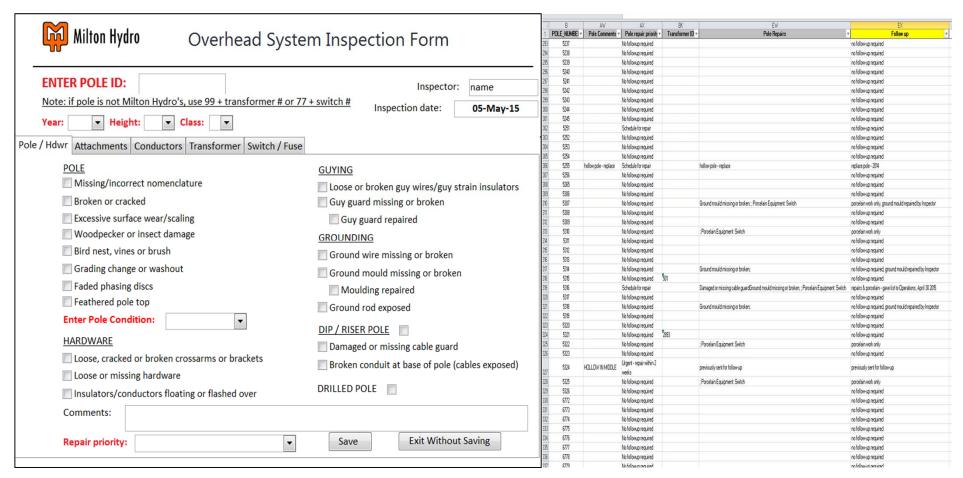
2016-2020 Proposed Capital Spend

M	Milton Hydro							1		ton Hy		Lian N	4-:t-		- Ch-	alaliak					
~	Substation Maintenance Checklist									nthly S		tion i	lainte	enanc	e Cned	CKIIST					
Sub	Substation # 1 (MRS) (MS#7) 5 Side Road (Regulator)						tor)		ation		- Sixth Li ation	ine									
Sub	7 (5 Sideroad West of Appleby Line) 3 (Wilson Dr. North of Main St East Side)													Personner							
				Side)	Gauges			nt Peak	200.000	15.00	hanger I	F			Control						
			4	(De	rry R	d We	st of B	ronte	St.)			Oil Temp	'		Min	Current	Max	Count	Local	Remote	Ha
	5 (MRS) Bronte St (Regulator)			Tank (Oil Leve	└															
		6 (Sixth Line South of 25 Sideroad)					TC Oil Level * reset pointers														
			9	(Se	cond	l Line N	orth c	of 15 Sideroad)			Tai	nk Press		vac / press	· ·						
Inch	Inspection Checklist:						1	as, p. sas							1						
map	CLIOII	Cile	Kiist.								Feede	r			l R	Red	Ye	llow	BI	ue	-
Yes	No	N/A									Inform	nation		Amp	Current	Peak	Current	Peak	Current	Peak	1
1.00			Fencing sec	IΓΩ							* rese	t amme	eters	Demand	d						
			Inspect all lo		and lui	bricate if	require	,			Postos	sure Co			1				A. (f.)		
			Align gates t					4			Recios	sure Co	unt				T	1			
									-11 -:						Red	White	Blue	-			
			1							of fenced compound				F1			c .	1			
	Grounding to fence/gates is in pla									F2											
	-		Remove bra				•	•						F3				1			
			Weedeat ins	ide c	ompo	und and a	around p	perimete	r of fence	9		.			•		Tueneet	ion Cha	aldiat		
			Remove gar	bage	from	compoun	ıd				Yes I	No N/A	-	- C			Inspect	ion Che	CKIISL	6	
			Visual/audib	e ch	eck fo	r broken	insulato	rs			_	+	100 00000000000000000000000000000000000	ig Secure et all locks a	nd lubricat	to if requir	od				
			Check equip	ment	for oi	il leaks						+		gates to ope			cu				
			Bunker door	s cle	ar of c	obstical (s	snow) &	function	al for em	ergency exit		1		Voltage" sig			ery 6 met	ers on all	sides of fe	nced comp	pound
			Debrise & o	sno	w rem	oved from	n opera	iting swit	ch platfo	rms				ding to fence							
			Check switc	h har	ndles -	clear of	wasp n	ests					-	ve branches			_				
			New Hazard	Ider	tified						Remove weeds inside compound and around perimeter of fence Remove garbage / debis from inside or around permiter of the compound										
			Fire Extingui	sher	Charc	ned						+	-	/ audible ch			-	ermiter o	r tne comp	ouna	
												_		Equipment 1			4015				
					_								Debris	& or snow i	emoved fi	rom operat	ing switc	h platform	ıs		
Com	ments:												-	switch hand							
												—	-	azzard ident							
				-	_								_Flip Fi	re Extinguisl	her and ch	eck to insi	ıre it is ch	arged			
				+							Comm	nents:									
Inene	ected b							Date:			<u> </u>										
											_	7	mant-J	D. o.				e. II	lasse II Pr		
Follo	w-up b	y:		+				Date:				ıns		Ву:				FOII	low Up By:		
					303-2-FO	R-Substation	cha			V2				te:			-		Date:		
					303=Z=PU	n-Substation	ong			VZ	Engin	eering F	Review	Ву:					Filed By:		

Other Assets...

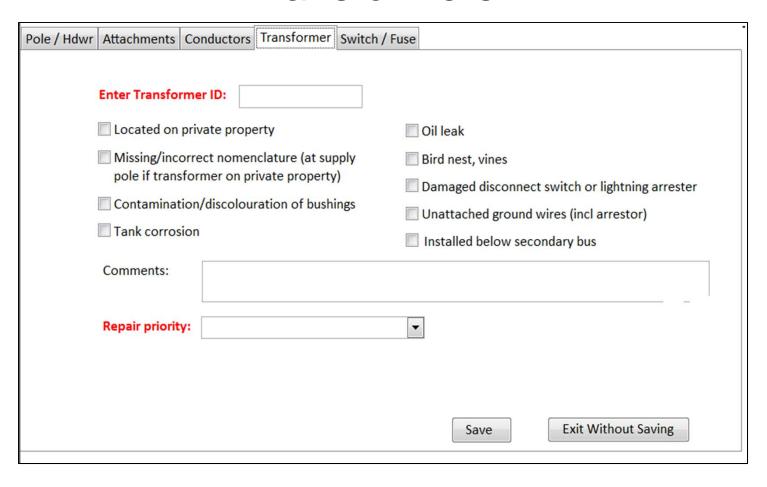


Poles

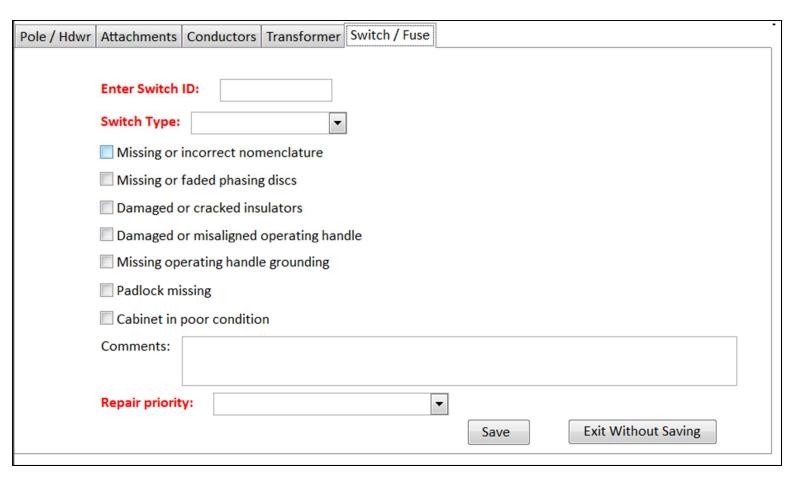


A	В	AW	AX	BK	EW	EX
1	POLE_NUMBEL >	Pole Comments	Pole repair priority	Transformer ID >	Pole Repairs	Follow up
93	5237		No followup required			no follow-up required
294	5238		No followup required			no follow-up required
295	5239		No followup required			no follow-up required
296	5240		No followup required			no follow-up required
297	5241		No followup required			no follow-up required
298	5242		No followup required			no follow-up required
299	5243		No followup required			no follow-up required
300	5244		No followup required			no follow-up required
301	5245		No followup required			no follow-up required
302	5251		Schedule for repair			no follow-up required
303	5252		No followup required			no follow-up required
304	5253		No followup required			no follow-up required
305	5254		No followup required			no follow-up required
306	5255	hollow pole - replace	Schedule for repair		hollow pole - replace	replace pole - 2014
307	5256		No followup required		***************************************	no follow-up required
308	5265		No followup required			no follow-up required
309	5306		No followup required			no follow-up required
310	5307		No followup required		Ground mould missing or broken; ; Porcelain Equipment: Switch	porcelain work only, ground mould repaired by Inspector
311	5308		No followup required			no follow-up required
312	5309		No followup required			no follow-up required
313	5310		No followup required		; Porcelain Equipment: Switch	porcelain work only
314	5311		No followup required		, a second a spage of the second of	no follow-up required
315	5312		No followup required			no follow-up required
316	5313		No followup required			no follow-up required
317	5314		No followup required		Ground mould missing or broken;	no follow-up required, ground mould repaired by Inspector
318	5315		No followup required	501	around model missing of broker,	no follow-up required
319	5316		Schedule for repair	301	Damaged or missing cable guardGround mould missing or broken; ; Porcelain Equipment: Switch	repairs & porcelain - gave list to Operations, April 30 2015
320	5317		No followup required		Damaged of missing cable guardandina model missing of broker, , if orcealing quipment, Switch	no follow-up required
321	5318		No followup required		Ground mould missing or broken;	no follow-up required, ground mould repaired by Inspector
322	5319		No followup required		around model missing of broken,	no follow-up required
323	5320		No followup required			no follow-up required
324	5321		No followup required	2893		no follow-up required
325	5322			2000	: Passal sin Fau increast: Switch	- Parameter and the state of th
326	5323		No followup required		; Porcelain Equipment: Switch	porcelain work only
020	3323		No followup required			no follow-up required
327	5324	HOLLOW IN MIDDLE	Urgent - repair within 2 weeks		previously sent for follow-up	previously sent for follow-up
328	5325		No followup required		; Porcelain Equipment: Switch	porcelain work only
329	5326		No followup required			no follow-up required
330	6772		No followup required			no follow-up required
331	6773		No followup required			no follow-up required
332	6774		No followup required			no follow-up required
333	6775		No followup required			no follow-up required
334	6776		No followup required			no follow-up required
335	6777		No followup required			no follow-up required
336	6778		No followup required			no follow-up required
337	6779		No follows in required			no follow-up required

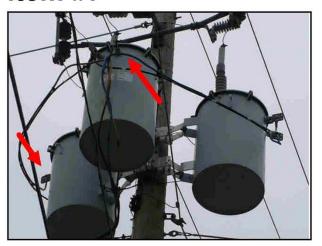
Transformers



Switch / Fuse



Item #7

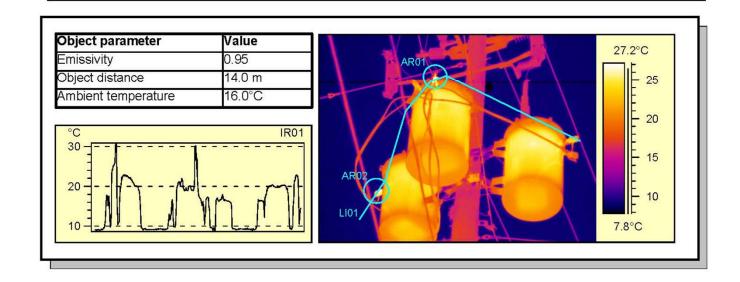


Location

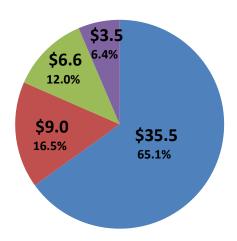
Pole Location # **P6340**Transformer # **TN617**Near #199 Fulton Street.
MILTON.

Description

Secondary **bushing/spade** connections to leads on <u>all</u> phases/transformers.







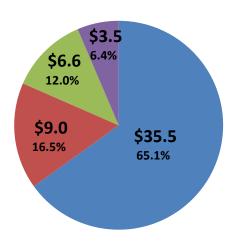
- System Access
- System Renewal
- System Service
- General Plant

SYSTEM SERVICE

Projects that improve system reliability and operation

- System constraints line extensions and feeder interconnections to accommodate system demand growth
- System operational objectives projects to maintain system reliability and efficiency and implementation of Milton Hydro's Smart Grid program
- System Service spending will continue to focus on the development of Milton Hydro's Smart Grid through installation of automated switches and sensors to improve system operations and efficiencies, and the deployment of new feeders to access new transformer station capacity by 2020.

Category	2016	2017	2018	2019	2020
	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
System Access	7,906	8,092	6,212	6,411	6,878
System Renewal	1,863	1,821	1,790	1,800	1,725
System					
Service	1,139	1,225	1,350	1,350	1,500
General Plant	720	701	711	676	696
Total	11,628	11,839	10,063	10,237	10,799



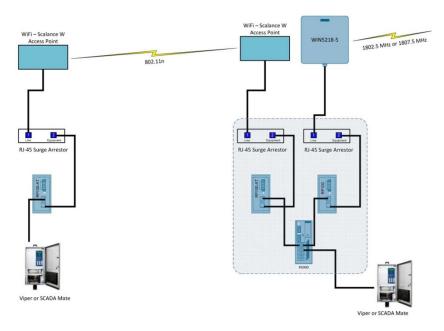
SYSTEM SERVICE

Projects that improve system reliability and operation

System Access
■ System Renewa
■ System Service

General	l Plant
---------	---------

Category	Project Name	2016 \$'000
	WiMAX – automate existing switches	\$120
System Service	WiMAX – 100 Meter points	\$650
System Service	Automated Fault Indicators – WiMAX	\$175
	New Automated switches - WiMAX	\$194
	Total	\$1,139

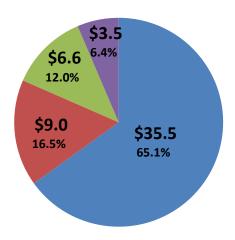


- 1.8 GHz licenced band dedicated to utility operations. Used for:
- Distribution equipment (SCADA)
- Meter points (residential collectors, C&I installations)

Customer Preferences

- Maintain or improve reliability
- System control
- System efficiency
- Operational response
- Automation

2016-2020 General Plant



- System Access
- System Renewal
- System Service
- General Plant

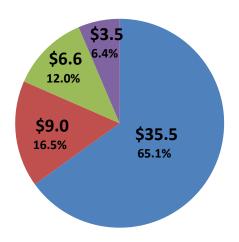
GENERAL PLANT

Assets that support the system

- System Maintenance support replacement of trucks and tools
- Business Operations efficiency GIS development
- Non-system Physical assets new Milton Hydro head office

Category	2016	2017	2018	2019	2020
	(\$,000)	(\$,000)	(\$,000)	(\$,000)	(\$,000)
System Access	7,906	8,092	6,212	6,411	6,878
System Renewal	1,863	1,821	1,790	1,800	1,725
System Service	1,139	1,225	1,350	1,350	1,500
General	720	701	711	676	606
Plant	720	701	711	676	696
Total	11,628	11,839	10,063	10,237	10,799

2016-2020 General Plant



GENERAL PLANT

Assets that support the system

- System Maintenance support replacement of trucks and tools
- Business Operations efficiency GIS development
- Non-system Physical assets new Milton Hydro head office

- System Access
- System Renewal
- System Service
- General Plant

Category	Project Name	2016 \$'000
General Plant	Rolling Stock	\$510
	Computer Software	\$50
	Computer Hardware	\$83
	Stores Equipment	\$68
	Major Tools	\$9
	Total	\$720



Cameron will now go through the Rate Application



MILTON HYDRO 2014 SCORECARD

												arget
erformance Outcomes	Performance Categories	Measures			2010	2011	2012	2013	2014	Trend	Industry	Distribut
ustomer Foous	Service Quality	New Residential/3mail on Time	Business Serv	ices Connected	99.10%	99.00%	98.60%	98.00%	99.50%	U	90.00%	
ervices are provided in a nanner that responds to		Scheduled Appointmen	100.00%	100.00%	100.00%	99.70%	99.80%	U	90.00%			
sentified oustomer		Telephone Calls Answered On Time			79.00%	76.80%	82.60%	74.50%	77.80%	U	65.00%	
references.		First Contact Resolution							84%			
	Customer Satisfaction	Billing Accuracy	Billing Accuracy						99.96%	-	98.00%	
		Customer Satisfaction	Survey Results						91%			
perational Effectiveness	Safety	Level of Public awaren	ess (measure t	o be determined]								
		Level of Compliance w	ith Ontario Reg	ulation 22/04	NI	С	NI	C	C	-		
ontinuous improvement in		Serious Electrical	Number of	General Public Incidents	0	0	0	1	0	-		
roductivity and cost erformance is achieved; and		Incident Index	Rate per 10), 100, 1000 km of line	0.000	0.000	0.000	0.102	0.000	-		
errormance is achieved; and listributors deliver on system eliability and quality	System Reliability	Average Number of Hours that Power to a Customer is Interrupted			0.55	1.05	0.81	7.94	1.22	0		at least with 0.55 - 7.94
bjectives.		Average Number of Times that Power to a Customer is interrupted			0.40	1.12	1.05	0.99	1.06	0		at least witi 0.40 - 1.12
	Accet Management	Distribution System Pic	Distribution System Plan Implementation Progress						on track			
		Efficiency Assessment Total Cost per Customer 1					3	2	2			
	Cost Control				\$659	\$676	\$644	\$654	\$679	à		
		Total Cost per Km of L	ine 1		\$20,478	\$21,698	\$21,166	\$22,402	\$23,629			
ubile Polley Responsiveness	Conservation & Demand	Net Annual Peak Demand Savings (Percent of target achieved) 2				13.47%	17.56%	23.56%	47.87%	•		8.05M
talandara dan ara	Management	Net Cumulative Energy Savings (Percent of target achieved)				48.99%	60.40%	72.86%	92.23%	•		33.500
istributors deliver on bligations mandated by overnment (e.g., in legislation and in regulatory requirements	Connection of Renewable Generation	Renewable Generation Connection Impact Assessments Completed On Time New Micro-embedded Generation Facilities Connected On Time				100.00%	100.00%		100.00%			
nposed further to Ministerial irectives to the Board).								100.00%	100.00%		90.00%	
inanolal Performance	Liquidity: Current Ratio (Current Assets/Current Liabilities)			1.64	1.56	1.59	1.68	1.59				
nanolal viability is aintained; and savings from		Leverage: Total Debt (include Equity Ratio		e: Total Debt (includes short-term and long-term debt) to latio		0.79	0.90	0.92	1.17			
perational effectiveness are ustainable.		Profitability: Regulator	ry	Deemed (included in rates)		9.58%	9.58%	9.58%	9.58%			
		Return on Equity		Achieved		8,90%	8,15%	10.60%	10.29%			

Notes:

1. These figures were generated by the Board based on the total cost benchmarking analysis conducted by Pacific Economics Group Research, LLC and based on the distributor's annual reported information.

2. The Conservation & Demand Management net annual peak demand savings include any persisting peak demand savings from the previous years.





About Milton Hydro – as of December 31, 2014

Residential	32,268
General Service < 50 kW	2,544
General Service >= 50 kW	296
Large User	3
Total Customers	35,111
Rural Service Area (sq km)	315
Urban Service Area (sq km)	56
Total Service Area (sq km)	371
Overhead km of Line	587
Underground km of Line	422
Total km of Line	1,009



2014 Customer Survey Report Card Results

	Milton Hydro's UtilityPULSE Report Card®										
	Category	Milton Hydro	Ontario								
1	Customer Care	B+	В								
	Price and Value	В	C+								
	Customer Service	Α	В								
2	Company Image	Α	B+								
	Company Leadership	Α	B+								
	Corporate Stewardship	Α	B+								
3	Management Operations	Α	Α								
	Operational Effectiveness	Α	B+								
	Power Quality and Reliability	A	А								
	OVERALL	Α	B+								

"B+...Customer Care"

"A ...Company Image"

"A ...Management Operations"



Results – Customer Engagement – focus groups, on-line survey, phone survey

six primary areas of preference for customers:

- 1. Affordable electricity costs
- 2. Reliability of Service maintain or reduce current level of outages
- 3. Assistance to reduce consumption and thereby costs ("CDM")
- 4. Proactive customer communication on unplanned outages
- 5. Continued delivery of high quality service
- 6. Replace aging infrastructure before failure



Approvals Requested

- Rate Base of \$91,945,000
- Working Capital \$116,370,000
- Working Capital Allowance of \$8,728,000 (7.5%)
- Capital Structure of 60/40 Debt to Equity;
 - Deemed Interest of \$2,237,000;
 - Deemed Equity of \$3,420,000
- Total Capital Expenditures of \$11,629,000 less Capital Contributions of \$3,280,000 for net Capital Expenditures of \$8,349,000
- Operations, Maintenance and Administration expense for 2016 of \$9,903,387
- To recover 2016 distribution revenue requirement of \$17,207,367 which includes a revenue deficiency in the amount of \$990,647
- Disposition of Deferral and Variance Accounts



Rate Base

Description	2011 OEB Approved	2011 Actual	2012 Actual	2013 Actual RCGAAP/MIFRS	2014 Actual MIFRS	2015 Bridge Year	2016 Test
Average Net Book Value	49,696,889	49,693,199	53,362,782	56,738,195	62,112,397	73,397,953	83,217,410
Working Capital	67,272,676	72,414,212	81,028,759	91,589,214	99,219,151	115,743,514	116,369,556
Working Capital Allowance %	15%	15%	15%	15%	15%	15%	7.50%
Working Capital Allowance	10,090,901	10,862,132	12,154,314	13,738,382	14,882,873	17,361,527	8,727,717
Rate Base	59,787,790	60,555,331	65,517,095	70,476,577	76,995,270	90,759,480	91,945,126



Working Capital

Description	2011 OEB Approved	2011 Actual CGAAP	2012 Actual CGAAP	2013 Actual RCGAAP/ MIFRS	2014 Actual MIFRS	2015 Bridge Year	2016 Test Year
Cost of Power	60,972,676	66,017,450	74,266,765	83,153,242	90,675,253	105,690,373	106,466,168
Operations & Maintenance	1,896,760	2,055,249	2,210,120	3,550,967	3,001,627	3,601,098	3,734,812
Billing & Collecting	1,829,367	1,665,311	1,808,865	1,924,255	2,090,870	2,308,609	2,214,769
Administration & General Exp.	2,573,873	2,676,203	2,743,009	2,960,750	3,451,402	4,143,434	3,953,806
Working Capital	67,272,676	72,414,212	81,028,759	91,589,214	99,219,151	115,743,514	116,369,556
Working Capital Allowance	10,090,901	10,862,132	12,154,314	13,738,382	14,882,873	17,361,527	8,727,717
Working Capital Allowance (%)	15%	15%	15%	15%	15%	15%	7.5%

Note: 2013 includes a \$500,000 provision for Ice Storm recovery which is reversed in 2014 as Z-Factor Application was approved. Without the provision 3013 Actual O&M is \$3,150,967 and 2014 Actual O&M is \$3,501,627.



Proposed 2016 Test Year Capital Structure

Year: 2016 Test Year

<u>Particulars</u>	Capitalizat	ion Ratio	Cost Rate	Return
	(%)	(\$)	(%)	(\$)
Debt				
Long-term Debt	56.00%	\$51,489,271	4.19%	\$2,157,636
Short-term Debt	4.00% (1)	\$3,677,805	2.16%	\$79,441
Total Debt	60.0%	\$55,167,076	4.06%	\$2,237,077
Equity				
Common Equity	40.00%	\$36,778,051	9.30%	\$3,420,359
Preferred Shares		\$ -		\$ -
Total Equity	40.0%	\$36,778,051	9.30%	\$3,420,359
Total	100.0%	\$91,945,126	6.15%	\$5,657,436

Cost of Capital Parameters to be updated for 2016



Capital Expenditures

OEB 20°	1 2012	2013	2014	2015	2016
oved Act	ual Actua	ıl Actual	Actual	Bridge	Test
		\$ '000			\$ '000
09 5,5	70 7,631	4,658	7,190	5,552	7,907
99 2,7	53 1,198	3 2,517	2,647	2,087	1,863
6 42	8 2,386	638	513	2,171	1,139
8 50	0 343	880	856	911	721
§72 9,2	52 11,559	9 8,693	11,206	10,721	11,629
			4,040	11,000	
9,2	52 11,559	9 8,693	15,246	21,721	11,629
95) (1,9	28) (3,857	") (3,155)	(4,856)	(2,774)	(3,280)
7,3	24 7,702	2 5,538	10,391	18,947	8,349
	oved Actu 09 5,57 99 2,75 26 426 38 506 372 9,25 372 9,25 95) (1,92	oved Actual Actual 09 5,570 7,631 99 2,753 1,198 26 428 2,386 38 500 343 572 9,252 11,550 672 9,252 11,550 95) (1,928) (3,857)	Actual Actual Actual Actual \$ '000 \$ '000 09 5,570 7,631 4,658 99 2,753 1,198 2,517 26 428 2,386 638 38 500 343 880 372 9,252 11,559 8,693 95) (1,928) (3,857) (3,155)	Actual Actual Actual Actual Actual \$ '000 \$ '000 09 5,570 7,631 4,658 7,190 99 2,753 1,198 2,517 2,647 26 428 2,386 638 513 38 500 343 880 856 372 9,252 11,559 8,693 11,206 4,040 4,040 4,040 4,040 372 9,252 11,559 8,693 15,246 95) (1,928) (3,857) (3,155) (4,856)	Actual Actual Actual Actual Actual Bridge \$ '0000 \$ '0000 5,570 7,631 4,658 7,190 5,552 99 2,753 1,198 2,517 2,647 2,087 26 428 2,386 638 513 2,171 38 500 343 880 856 911 572 9,252 11,559 8,693 11,206 10,721 4,040 11,000 572 9,252 11,559 8,693 15,246 21,721 95) (1,928) (3,857) (3,155) (4,856) (2,774)

Note: 2013 Total Capital is down as a result of slower activity in System Access by \$3,000,000.



Operations, Maintenance & Administration – Cost Drivers

2011 Board Approved OM&A	6,300,000
Mandatory Overhead Capitalization Policy Change on OM&A ("IFRS")	1,455,845
Wages, Salaries, Benefits, 15 new employees - over 5 years	1,006,771
Finance/Board/Audit/Security/Consulting	402,703
Tree Trimming	358,783
Maintenance - Overhead/Underground/Transformers	169,832
Load Dispatching/Control Room	150,000
Regulatory Compliance / Application Costs	99,354
Billing & Collections	76,047
Safety & Training	71,790
Customer Premise & Service Locates	71,515
Admin/Service Centre	(66,558)
Meter Reading - Trillant/Olameter	(192,695)
2016 Test Year OM&A	9,903,387

Before MIFRS adjustments Milton Hydro's compounded annual OM&A growth rate is 5.7%



Employee Count

Department	2011 OEB Approved	2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Bridge Year	2016 Test Year
Executive	3	3	3	4	5	5	5
Financial Services	7	5	6	6	6	7	8
Customer Service Representatives	10	11	11	11	11	12	12
Engineering/Operations	13	11	11	11	11	11	12
Information Technology	2	2	2	3	3	4	4
Metering	3	4	4	4	4	5	5
Outside Lines People	11	10	12	12	14	14	15
Total Employees	49	46	49	51	54	58	61

2011 - did not hire 2 employees for control room - looked for alternatives or options

2012 - added an Accounting Clerk and 2 Linepersons

2013 – added an IT Specialist and an Engineering Technician (moved the Director Engineering to Executive)

2014 – added 2 Linepersons and a Director of Operations (was a contract position which ended)

2015 – propose one Communication Specialist, one Customer Service/Billing rep, one IT Administrator, one AMI Operator

2016 - propose one HR Specialist, one Engineering Technician, one Line Person

Between 2016 to 2020 Milton Hydro has 10 employees eligible for retirement.



Milton Hydro Compared to the Rest of the Industry

Description	Last Rebasing Year - 2011 Actual	2012 Actual	2013 Actual	2014 Actual	2015 Bridge Year	2016 Test Year
Number of Customers	30,485	32,324	34,073	35,111	36,187	37,765
Total OM&A	6,396,764	6,761,996	8,435,973	8,543,897	10,053,141	9,903,388
OM&A per Customer	209.83	209.19	247.59	243.34	277.81	262.24
Ranked in Ontario - Lowest	21	8	19	17		
Total Distributors Reported	75	73	73	72		
Industry Average	275.43	308.99	316.39	313.83		
Number of Employees	46	49	51	54	58	61
Number Customers Served per Employee	663	660	668	650	624	619
Industry Average	488	484	486	499		

Note: in 2013 Milton Hydro transition to Modified IFRS for an impact of \$1.45 Million



Revenue Requirement & Deficiency

Pagulated Return On Rate Rase	3 420 350
Regulated Return On Rate Base	3,420,359
PILs (with gross up)	256,212
Service Revenue Requirement	19,109,522
Less: Revenue Offsets	(1,902,155)
Base Revenue Requirement	17,207,367

Revenue Deficiency	(990,647)
Revenue at Existing Rates	16,216,720



Deferral & Variance Account Disposition

- RSVA Wholesale Market Services, Transmission, Low Voltage Total \$3,150,334
- RSVA Power (\$2,731,860)
- RSVA Global Adjustment \$2,240,760
- Group 2 DVA \$481,143
- Accounting Changes CGAAP plus Return USoA 1576 (\$1,571,328)
- LRAMVA \$142,779 (Updated from Application based on 2014 OPA ("IESO") Final Results)

Note: All the above DVA's include carrying charges to April 30, 2016 except USoA 1576 Proposed disposition over one year.



Proposed Fixed & Variable Distribution Rates

Customer Class	Proposed Monthly Fixed Distribution Charge	Unit	Proposed Variable Distribution Charge
Residential	19.91	kWh	0.0118
GS < 50 kW	16.86	kWh	0.0178
GS >50 to 999 kW	96.55	kW	3.1935
GS >1000 to 4999 kW	546.12	kW	1.9539
Large Use	2,488.87	kW	1.4900
Sentinel Lights	5.48	kW	41.6271
Street Lighting	2.36	kW	10.3180
Unmetered/Scattered Load	8.58	kWh	0.0181



Rate Impacts

Class	Typical kWh Usage	Typical kW Demand	Typical Bill 2015 Current Approved \$	Typical Bill 2016 Proposed \$			Distribution Bill Impact \$	Distribution Bill Impact %	Distribution Bill Impact on Total Bill %
Residential	800		153.50	147.94	(5.55)	(3.62%)	2.32	8.58%	1.57%
General Service < 50kW	2,000		360.61	355.86	(4.75)	(1.32%)	1.56	3.04%	0.44%
General Service > 50 - 999kW	50,000	150	7,572.86	8,016.32	443.46	5.86%	124.71	26.66%	1.56%
General Service > 1000 - 4999kW	1,265,000	1,800	171,358.28	176,112.51	4,754.23	2.77%	(1,805.62)	(30.05%)	(1.03%)
Large Use	3,770,000	7,000	518,736.34	504,654.05	(14,082.29)	(2.71%)	(6,637.66)	(34.05%)	(1.32%)
Unmetered & Scattered	405		78.23	78.81	0.58	0.74%	1.33	9.10%	1.68%
Sentinel Lighting	50	1	35.26	73.12	37.86	107.36%	26.21	125.44%	69.23%
Streetlighting	469,398	1,317	75,779.76	84,325.32	8,545.57	11.28%	1,827.00	15.53%	2.17%



Residential Rate Increases from 2011 to 2015

	2011		2011 2012		2013		2014		2014	2015			
		Amount Percent	Amount	Percent	Amo	ount	Percent	Amo	ount	Percent	Am	ount	Percent
Rate Increase	\$	1.89 7.89%	\$ 0.23	3 0.88%	\$	0.15	0.48%	\$	0.37	1.40%	\$	0.38	1.45%
Percent of Total Bill		1.89%		0.19%			0.12%			0.27%			0.27%



General Service <50 kW Rate Increases from 2011 to 2015

	2011	2012	2013	2014	2015	
	Amount Percent					
Rate Increase	\$ 3.49 7.60%	\$ 0.40 0.88%	\$ 0.28 0.48%	\$ 0.62 1.40%	\$ 0.63 1.45%	
Percent of Total Bill	1.26%	0.14%	0.09%	0.20%	0.20%	



Rates & Rate Impacts Applied for – per Month

Residential

Monthly Service Charge Monthly
Rate Rider Recovery of Smart Meter Monthly
Distribution Volumetric Rate per kWh

Total Distribution

		2015				2016		(Change	Percent
	\$ 15.43	1	\$ 15.43	\$	19.91	1	\$ 19.91	\$	4.48	
	\$ 0.08	1	\$ 0.08		0	1		(\$	0.08)	
1	\$ 0.0144	800	\$ 11.52	\$	0.0118	800	\$ 9.44	(\$	2.08)	
			\$ 27.03				\$ 29.35	\$	2.32	8.50%
							Percent o	f T	otal Bill	1.57%

General Service <50 kW

Monthly Service Charge Monthly
Rate Rider Recovery of Smart Meter Monthly
Distribution Volumetric Rate per kWh
LRAM Rate Rider per kWh

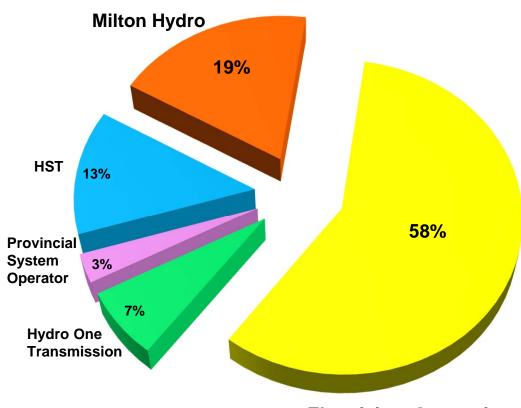
Total Distribution

	2015					2016		Change	Percent		
16.42	1	\$	16.42		16.86	1	\$	16.86	\$	0.44	
0.08	1	\$	0.08		0	1	\$	-	(\$	0.08)	
0.0174	2000	\$	34.80		0.0178	2000	\$	35.60	\$	0.80	
	2000	\$	-		0.0002	2000	\$	0.40	\$	0.40	
		\$	51.30				\$	52.86	\$	1.56	3.04%
Percent of Total Bill											0.44%

Note: Consistent with OEB direction the Residential rates have been adjusted to reflect the transition to a 100% Fixed Monthly Service Charge by 2019.



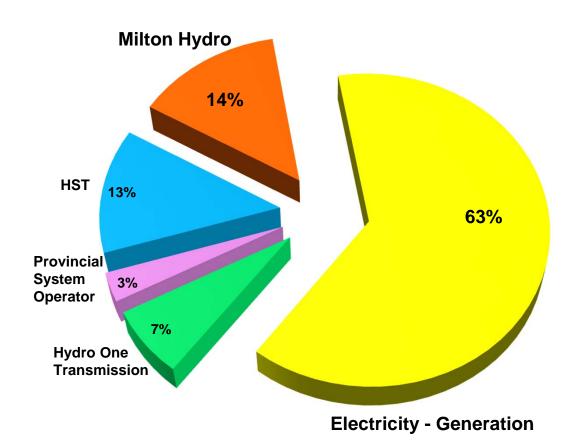
Residential Electricity Bill Breakdown



Electricity - Generation

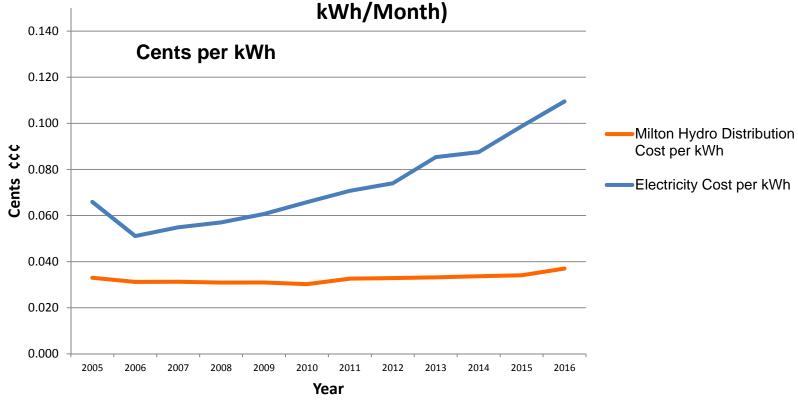


General Service <50 kW Electricity Bill Breakdown





2005 to 2016 Charges - Avge Residential Customer (800 kWh/Month)





Questions?