

**LIST OF CAPITAL EXPENDITURE PROGRAMS/PROJECTS
 IN EXCESS OF \$1M TEST YEAR – 2010 & 2011**

*(Millions)

1.0 SUSTAINING CAPITAL (EXHIBIT D1, TAB 3, SCHEDULE 2)

1.1 STATIONS

		<u>2010</u>	<u>2011</u>
S1	Spare Distribution Station Transformers	3.5	4.1
S2	Mobile Substation Purchase and Refurbishment	2.5	2.8
S3	Demand and Planned Station Component Replacement	2.8	2.9
S4	Distribution Stations Refurbishment	3.2	3.4
S5	Distribution Stations Spill Containment Installations	1.0	1.0
S6	Distribution Stations Recloser Upgrade Program	1.0	1.1

1.2 LINES

		<u>2010</u>	<u>2011</u>
S7	Trouble Calls and Storm Damage	59.3	59.2
S8	Joint Use and Line Relocations	30.4	30.5
S9	PCB Lines Equipment Replacement Program	0.7	3.1
S10	Wood Structure Replacement Program	46.4	59.0
S11	Defective Cross Arm Replacement Program	1.8	1.8
S12	Submarine Cable Replacement Program	4.8	5.7
S13	Birch Island DS F2 – Aerial Water Crossing Replacement		1.0
S14	Brockville TS M3 and M4 Underground Cable Replacement		2.2
S15	Brockville TS M2 Relocation		2.2
S16	Fort Frances M1 Feeder Refurbishment – Phases 5 and 6 of 6	1.2	1.0
S17	Highbury TS M11 Feeder Refurbishment	1.3	
S18	Longlac TS M1 Feeder Rehabilitation - Phase 4	2.1	
S19	Martindale TS M5 Feeder Refurbishment – Phase 1 of 5	1.2	2.5

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Exhibit D2

Tab 2

Schedule 2

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S20	Minden TS M1 Refurbishment – Phase 4 of 4		1.2
S21	Minden TS M2 Refurbishment – Phase 3 of 3	1.8	
S22	Otonabee TS M27 Refurbishment		1.5
S23	City of Owen Sound Refurbishment – Phases 1 & 2 of 4	1.0	1.0
S24	Port Hope TS M15 – Feeder Refurbishment		2.2
S25	Rainy River Phases 4 & 5 of 5	1.2	
S26	Stewartville TS M1 Feeder Refurbishment	1.7	
S27	Town of Thessalon Rebuild – Phase 4 of 4	1.4	
S28	Trout Lake TS M8 Conductor Replacement		1.2
S29	Wolfe Island Cable Replacement	2.7	

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2 **1.3 METERS**

		<u>2010</u>	<u>2011</u>
S30	4 to 5 Jaw Meter Conversion Program	1.3	
S31	Demand Meter Conversion Program	1.3	1.7

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4 Summary

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		<u>2010</u>	<u>2011</u>
6	Total Sustaining projects/programs listed above	175.7	192.3
7	Sustaining projects/programs less than \$1M	<u>10.1</u>	<u>10.2</u>
8	Total Sustaining capital (per Exhibit D1-3-1)	185.8	202.5

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10 **2.0 DEVELOPMENT CAPITAL (EXHIBIT D1, TAB 3, SCHEDULE 3)**

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12 **2.1 CONNECTIONS**

		<u>2010</u>	<u>2011</u>
D1	New Connections, Upgrades and Service Cancellations	113.5	115.4

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1 **2.2 SYSTEM CAPABILITY REINFORCEMENT**

		<u>2010</u>	<u>2011</u>
D2	2010 and 2011 Demand Investments	1.5	1.5
D3	Armitage TS M42 Feeder Reconfiguration	1.4	
D4	Twelve Mile Bay DS		4.6
D5	Ballentrae DS – Transformer Upgrade	1.1	
D6	Battersea DS System Study Implementation	1.5	
D7	Brockville Water DS Expansion	2.8	
D8	Dymond TS M1 Feeder Relief	1.3	
D9	Indian Chute RS	1.9	
D10	Port Severn DS & Line Work		4.1
D11	Lindsay Area Study		2.2
D12	Build New Rosseau DS & Extend Muskoka TS M1	9.2	
D13	New Pleasant TS M21 Feeder		2.6
D14	New Liskeard DS Voltage Conversion & Upgrade	2.1	
D15	Orillia TS New M5 Feeder	2.6	3.5
D16	Red Lake TS M3 Extension	1.4	
D17	New Ringwood DS Transformer and Feeders	2.3	
D18	Sharon DS Transformer Upgrade	1.0	
D19	Clarence DS - Supply to Rockland		1.8
D20	Commerce Way TS – Feeder Development		1.0
D21	Courtice DS Conversion		1.7
D22	Build New Keewatin DS		4.7
D23	Kirkland Lake TS M62 Feeder Split	1.0	
D24	Stayner TS to Wasaga Beach – Extend 44 kV Feeder		2.4
D25	Uxbridge DS #1		3.2
D26	Waubashene TS M6 Feeder – Extend to Port McNicholl		1.0

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3 **2.3 DISTRIBUTION GENERATION CONNECTION**

		<u>2010</u>	<u>2011</u>
D27	Line Transfers & Upgrades –Generation Connections	3.2	3.0
D28	Generation Connections (Mid-Size)	5.4	11.3
D29	Targeted Enhancements to Support Distributed Generation	5.7	15.8
D30	Distribution Station Upgrades for Protection, Control and Load Rejection	1.6	2.7
D31	Feeder Control Infrastructure	0.0	0.0
D32	Wholesale Revenue Metering Modifications	0.0	0.0

			<u>2010</u>	<u>2011</u>
1	D33	Wireless Telecommunications Stop-Gap	0.0	-

2 **2.4 METERING**

			<u>2010</u>	<u>2011</u>
3	D34	Wholesale Metering Upgrades	7.9	2.8

4 **2.5 SMART GRID**

			<u>2010</u>	<u>2011</u>
5	D35	Smart Grid	20.8	49.9

6 Summary

			<u>2010</u>	<u>2011</u>
7				
8	Total Development projects/programs listed above		189.2	235.2
9	Development projects/programs less than \$1M		<u>16.5</u>	<u>17.2</u>
10	Total Development capital (per Exhibit D1-3-1)		205.7	252.4

12 **3.0 OPERATIONS CAPITAL (EXHIBIT D1, TAB 3 SCHEDULE 4)**

			<u>2010</u>	<u>2011</u>
13	O1	Distribution Management System	0.6	1.3
	O2	Real Time Feeder Analysis	0.3	1.2
	O3	Incorporate Smart Meter Data into ORMS	1.7	2.1
	O4	ORMS Mobile IT Integration	1.0	1.0
	O5	Geospatial Integration (Distribution Operating)	0.6	0.6
	O6	Network Operations Buildings Sustainment	2.4	2.3
	O7	Distribution Operating Facilities Sustainment	1.3	1.3
	O8	ORMS Upgrade	0.2	1.5

14 Summary

			<u>2010</u>	<u>2011</u>
15				
16	Total Operations projects/programs listed above		8.1	11.2
17	Operations projects/programs less than \$1M		<u>0.0</u>	<u>0.0</u>
18	Total Operations capital (per Exhibit D1-3-1)		8.1	11.2

1 **4.0 SHARED SERVICES (EXHIBIT D1, TAB 3, SCHEDULE 6)**

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3 **4.1 INFORMATION TECHNOLOGY**

		<u>2010</u>	<u>2011</u>
IT1	Cornerstone Phase 2 – Finance /HR/Payroll	5.8	
IT2	Cornerstone Phase 3 – Enhanced Integrated Planning	18.2	20.8
IT3	Automated Data Collection for SAP Warehouse Management (Warehouse Bar Coding)	1.0	
IT4	Mobile IT Platform	3.0	2.9
IT5	GIS Implementation	6.0	5.9

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5 **4.2 SHARED SERVICES AND OTHER**

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		<u>2010</u>	<u>2011</u>
C1	Real Estate Field Facilities Capital	18.9	17.9
C2	Real Estate Head Office and GTA Facilities Capital	32.0	32.4
C3	MFA Service Equipment	12.0	8.8
C4	Transport and Work Equipment	133.4	74.1
C5	Security Infrastructure Capital ¹	12.5	12.9

7 Note 1: Amounts provided in Investment Summary Document C5 are for Distribution only.

8 Summary

	<u>2010</u>	<u>2011</u>	<u>Allocated to Distribution</u>	
			<u>2010</u>	<u>2011</u>
Total Shared Services and Other projects/programs listed above	242.8	175.7	152.3	103.4
Shared Services and Other projects/programs less than \$1M	29.0	25.7	15.6	13.6
Less Cornerstone Savings	<u>(10.5)</u>	<u>(19.9)</u>	<u>(3.1)</u>	<u>(6.1)</u>
Total Shared Services and Other capital (per Exhibit D1-3-1)	261.3	181.5	164.8	110.9

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