

Table 2
PROGRAM DETAIL- COMPARISON OF CHANGES FINAL REVIEW 6 VS. BASELINE REVIEW 1
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PL DTL	PROGRAM DETAIL	Review 1- Jan 18th				Review 6 - Final Capital				Changes Review 6 vs. Review 1			
		F2014	F2015	F2016	sum 14-16	F2014	F2015	F2016	sum 14-16	F2014	F2015	F2016	Sum 14-16
1. CUST GROWTH	Customer Growth	105,099	113,074	121,051	339,223	91,156	97,495	102,340	290,991	(13,943)	(15,579)	(18,710)	(48,232)
2. REINFORCEMENT	Alliston Reinforcement	1,020	2,069	-	3,089	-	1,040	2,111	3,151	(1,020)	(1,029)	2,111	62
2. REINFORCEMENT	Chippawa Reinforcement	408	-	-	408	408	-	-	408	-	-	-	-
2. REINFORCEMENT	Reinforcement contingency	5,814	14,306	2,918	23,038	9,976	5,514	6,633	22,122	4,162	(8,791)	3,714	(915)
2. REINFORCEMENT	York Region Reinforcement	-	-	-	-	510	10,404	-	10,914	510	10,404	-	10,914
3. RELOCATIONS	Regional relocations	15,336	15,786	16,203	47,325	15,236	13,386	12,603	41,225	(100)	(2,400)	(3,600)	(6,100)
4. SYSTEM INTEGRITY RELIABILITY	20-Inch Lakeshore Line Replacement	5,610	-	-	5,610	-	-	-	-	(5,610)	-	-	(5,610)
4. SYSTEM INTEGRITY RELIABILITY	AC Corrosion (Remediation work)	-	-	-	-	102	52	27	181	102	52	27	181
4. SYSTEM INTEGRITY RELIABILITY	Allocations	7,624	7,842	8,066	23,532	28,813	24,925	17,449	71,187	21,188	17,083	9,383	47,655
4. SYSTEM INTEGRITY RELIABILITY	AMP Fitting Replacement	10,200	31,212	31,836	73,248	8,543	13,100	30,046	51,689	(1,657)	(18,112)	(1,790)	(21,559)
4. SYSTEM INTEGRITY RELIABILITY	Anodeless Riser Replacement	275	281	669	1,225	-	-	-	-	(275)	(281)	(669)	(1,225)
4. SYSTEM INTEGRITY RELIABILITY	Bare Steel Drips (study & removal program)	-	-	-	-	255	-	-	255	255	-	-	255
4. SYSTEM INTEGRITY RELIABILITY	Bare Steel Services Replace	-	-	-	-	-	0	0	1	-	0	0	1
4. SYSTEM INTEGRITY RELIABILITY	Bare Steel Services Study	-	208	-	208	-	-	-	-	-	(208)	-	(208)
4. SYSTEM INTEGRITY RELIABILITY	Cambrian Road Phase 2	408	-	-	408	408	-	-	408	-	-	-	-
4. SYSTEM INTEGRITY RELIABILITY	Casing Study & Program	510	520	531	1,561	510	-	-	510	-	(520)	(531)	(1,051)
4. SYSTEM INTEGRITY RELIABILITY	Chicago Fitting Study	204	-	-	204	204	-	-	204	-	-	-	-
4. SYSTEM INTEGRITY RELIABILITY	Coated Steel Program (Mains & Services)	367	375	-	742	362	-	-	362	(5)	(375)	-	(380)
4. SYSTEM INTEGRITY RELIABILITY	Compliance of Integrity Programs	1,224	1,248	1,273	3,746	-	-	-	-	(1,224)	(1,248)	(1,273)	(3,746)
4. SYSTEM INTEGRITY RELIABILITY	Compression Outlet Service Tee Study	-	-	-	-	2,866	2,924	2,982	8,771	2,866	2,924	2,982	8,771
4. SYSTEM INTEGRITY RELIABILITY	Distribution Integrity Technology	-	-	-	-	1,597	1,934	2,063	5,594	1,597	1,934	2,063	5,594
4. SYSTEM INTEGRITY RELIABILITY	Distribution Records Management Program	8,160	7,283	6,367	21,810	9,639	8,740	7,695	26,074	1,479	1,457	1,328	4,264
4. SYSTEM INTEGRITY RELIABILITY	District Station Equipment Replacement	2,550	2,601	2,653	7,804	-	-	-	-	(2,550)	(2,601)	(2,653)	(7,804)
4. SYSTEM INTEGRITY RELIABILITY	District/Header Station Equipment Replacement	-	-	-	-	6,477	9,728	10,984	27,189	6,477	9,728	10,984	27,189
4. SYSTEM INTEGRITY RELIABILITY	Don River Bridge Crossing Replacement	9,700	(0)	0	9,700	-	(0)	0	0	(9,700)	-	-	(9,700)
4. SYSTEM INTEGRITY RELIABILITY	EFV Program	1,530	-	-	1,530	500	604	733	1,837	(1,030)	604	733	307
4. SYSTEM INTEGRITY RELIABILITY	Encased Bridge Crossings Study	-	208	-	208	-	208	0	208	-	(0)	0	0
4. SYSTEM INTEGRITY RELIABILITY	Failure of Bonnet Bolts on Valves Study	-	-	212	212	-	-	-	-	-	-	(212)	(212)
4. SYSTEM INTEGRITY RELIABILITY	Farm Tap Study	-	208	-	208	-	208	265	473	-	-	265	265
4. SYSTEM INTEGRITY RELIABILITY	Fixed Oh to EA contractors	5,628	5,740	5,855	17,224	-	-	-	-	(5,628)	(5,740)	(5,855)	(17,224)
4. SYSTEM INTEGRITY RELIABILITY	Gate Station Equipment Replacement	5,100	5,202	5,306	15,608	12,160	10,440	7,060	29,660	7,060	5,238	1,754	14,052
4. SYSTEM INTEGRITY RELIABILITY	Header Stations	1,000	1,020	1,040	3,060	1,500	1,537	1,576	4,613	500	517	536	1,553
4. SYSTEM INTEGRITY RELIABILITY	ILI for pipelines over 20% SMYS	10,200	10,404	10,612	31,216	-	-	-	-	(10,200)	(10,404)	(10,612)	(31,216)
4. SYSTEM INTEGRITY RELIABILITY	ILI for pipelines over 20% SMYS plus HCA	-	-	-	-	4,000	4,080	4,162	12,242	4,000	4,080	4,162	12,242
4. SYSTEM INTEGRITY RELIABILITY	ILI for pipelines over 30% SMYS	-	-	-	-	7,000	4,820	4,340	16,160	7,000	4,820	4,340	16,160
4. SYSTEM INTEGRITY RELIABILITY	Innes and Orleans Station	92	-	-	92	92	-	-	92	-	-	-	-
4. SYSTEM INTEGRITY RELIABILITY	Inside Regulator Replacement	-	-	-	-	36	5	5	46	36	5	5	46
4. SYSTEM INTEGRITY RELIABILITY	Install 1050m of NPS 4 on 6th Concession, from Silver Sp	-	-	424	424	-	-	-	-	-	-	(424)	(424)
4. SYSTEM INTEGRITY RELIABILITY	Install 1200m NPS 12 HP main in new development to a	918	-	-	918	-	-	-	-	(918)	-	-	(918)
4. SYSTEM INTEGRITY RELIABILITY	Install 300m of NPS 4 ST HP on Whites from south of HV	-	208	-	208	-	-	-	-	-	(208)	-	(208)
4. SYSTEM INTEGRITY RELIABILITY	Install approximately 1000m of NPS 6 ST HP on Hurontar	765	-	-	765	-	-	-	-	(765)	-	-	(765)
4. SYSTEM INTEGRITY RELIABILITY	Isolated Steel Mains CP Program	-	-	-	-	82	-	-	82	82	-	-	82
4. SYSTEM INTEGRITY RELIABILITY	Isolated Steel Remediation Program	-	-	-	-	1,326	1,353	-	2,679	1,326	1,353	-	2,679
4. SYSTEM INTEGRITY RELIABILITY	Isolated Steel Study	1,326	1,353	-	2,679	-	-	-	-	(1,326)	(1,353)	-	(2,679)
4. SYSTEM INTEGRITY RELIABILITY	Isolation Valve Study & Installation (RCV / ASV)	3,060	3,121	3,184	9,365	-	-	-	-	(3,060)	(3,121)	(3,184)	(9,365)
4. SYSTEM INTEGRITY RELIABILITY	Jumper and Service Extension Study	102	104	106	312	408	208	212	828	306	104	106	516
4. SYSTEM INTEGRITY RELIABILITY	Load Research Program	548	560	572	1,681	0	0	0	1	(548)	(560)	(572)	(1,680)
4. SYSTEM INTEGRITY RELIABILITY	Load Shed Zone	-	-	-	-	1,145	1,171	1,194	3,510	1,145	1,171	1,194	3,510

4. SYSTEM INTEGRITY RELIABILITY	Low Pressure Delivery Meter Set Program	3,060	5,202	5,306	13,568	1,530	2,341	2,388	6,259	(1,530)	(2,861)	(2,918)	(7,309)
4. SYSTEM INTEGRITY RELIABILITY	Meters (MXGI)	18,452	19,906	21,645	60,003	14,355	15,926	17,944	48,225	(4,097)	(3,980)	(3,701)	(11,778)
4. SYSTEM INTEGRITY RELIABILITY	Miscellaneous Replacement Mains	4,080	4,162	4,245	12,486	5,388	5,866	5,058	16,311	1,308	1,704	813	3,825
4. SYSTEM INTEGRITY RELIABILITY	N-1 reliability of supply for Single source networks				-	-	520	0	521	-	520	0	521
4. SYSTEM INTEGRITY RELIABILITY	Network OPS/ORM M&R LEAK	1,758	1,794	1,830	5,382	1,758	1,794	1,830	5,382	-	-	-	-
4. SYSTEM INTEGRITY RELIABILITY	Operate Gas Network - SMART System	3,570	6,763	6,898	17,230				-	(3,570)	(6,763)	(6,898)	(17,230)
4. SYSTEM INTEGRITY RELIABILITY	Pipeline Markers	-	-	-	-	10	10	11	31	10	10	11	31
4. SYSTEM INTEGRITY RELIABILITY	Plastic Mains (Incl Services) Study	-	12,485	21,224	33,709	-	-	-	-	-	(12,485)	(21,224)	(33,709)
4. SYSTEM INTEGRITY RELIABILITY	Reg Refits	8,914	9,285	9,671	27,869	9,814	9,985	10,171	29,969	900	700	500	2,100
4. SYSTEM INTEGRITY RELIABILITY	Relays	9,473	10,097	10,763	30,333	4,737	5,049	5,381	15,167	(4,737)	(5,049)	(5,381)	(15,167)
4. SYSTEM INTEGRITY RELIABILITY	Remote Control Valve Study & Installation				-	565	602	680	1,847	565	602	680	1,847
4. SYSTEM INTEGRITY RELIABILITY	Replace 1.8 km of NPS 12 XHP main with 1.8km of NPS 1	-	-	3,714	3,714				-	-	-	(3,714)	(3,714)
4. SYSTEM INTEGRITY RELIABILITY	Residential Meter Sets Study (incl. SMART system)	204	-	-	204				-	(204)	-	-	(204)
4. SYSTEM INTEGRITY RELIABILITY	Sewer Safety Program	706	720	734	2,160	1,530	1,561	1,592	4,682	824	841	857	2,522
4. SYSTEM INTEGRITY RELIABILITY	Sombra Tecumseh Redundancy	2,000	17,850	-	19,850	-	-	-	-	(2,000)	(17,850)	-	(19,850)
4. SYSTEM INTEGRITY RELIABILITY	Targeted Compression Couplings Pressure Containment	2,040	2,081	2,122	6,243	1,622	2,040	2,061	5,723	(418)	(41)	(61)	(520)
4. SYSTEM INTEGRITY RELIABILITY	Vanjumar Pressure Elevation	133	-	-	133				-	(133)	-	-	(133)
4. SYSTEM INTEGRITY RELIABILITY	Verification of MAOP	14,426	8,000	8,000	30,426	3,296	3,397	3,195	9,888	(11,130)	(4,603)	(4,805)	(20,538)
4. SYSTEM INTEGRITY RELIABILITY	WingLock Valve Study & Replacement	3,060	3,121	3,184	9,365	204	-	-	204	(2,856)	(3,121)	(3,184)	(9,161)
5. STORAGE	Acid Program	300		325	625				-	(300)	-	(325)	(625)
5. STORAGE	Base Gas	18	18		36				-	(18)	(18)	-	(36)
5. STORAGE	C of A (Stack Height, Turbo and Noise Attenuation)	250			250				-	(250)	-	-	(250)
5. STORAGE	Compressor Engine Overhaul				-	250	250	500	1,000	250	250	500	1,000
5. STORAGE	Compressor Overhaul (valve replacement)	100	100	100	300	100	225	100	425	-	125	-	125
5. STORAGE	Corunna Compressor Plan				-	9,680	4,620		14,300	9,680	4,620	-	14,300
5. STORAGE	Crowland Plant Automation	50	50	50	150	-	-	-	-	(50)	(50)	(50)	(150)
5. STORAGE	Crowland Plant Upgrades	200	200		400	200	200	-	400	-	-	-	-
5. STORAGE	Drawing Upgrades	100	100	100	300	100	100	100	300	-	-	-	-
5. STORAGE	DSA Boundary changes (purchase leases)	1,000	1,000		2,000	-	-	-	-	(1,000)	(1,000)	-	(2,000)
5. STORAGE	Engine Compressor Analyzer Automation (Ingenuity)	100	100	100	300	-	-	-	-	(100)	(100)	(100)	(300)
5. STORAGE	Engine Overhaul	250	250	500	1,000				-	(250)	(250)	(500)	(1,000)
5. STORAGE	Farm Purchase (C of A)			1,000	1,000	-	-	-	-	-	-	(1,000)	(1,000)
5. STORAGE	Gas Chromatograph at Chatham D				-		400		400	-	400	-	400
5. STORAGE	High Deliverability Well Erosion	60	60	70	190	-	-	-	-	(60)	(60)	(70)	(190)
5. STORAGE	Horizontal Well replacement program		2,500	7,500	10,000	-	-	-	-	-	(2,500)	(7,500)	(10,000)
5. STORAGE	Integrity of Pools (abandoned wells)		1,000		1,000				-	-	(1,000)	-	(1,000)
5. STORAGE	Integrity Records	150			150				-	(150)	-	-	(150)
5. STORAGE	MCC#1 Generator and Boiler	2,500			2,500	-	-	-	-	(2,500)	-	-	(2,500)
5. STORAGE	Misc Structures	100	100	100	300	-	-	-	-	(100)	(100)	(100)	(300)
5. STORAGE	Misc Field Lines	100	100	100	300	-	-	-	-	(100)	(100)	(100)	(300)
5. STORAGE	Misc. Compressor	100	100	100	300	433	388	425	1,246	333	288	325	946
5. STORAGE	Misc. Meas and Reg	250	250	500	1,000	-	-	-	-	(250)	(250)	(500)	(1,000)
5. STORAGE	Misc. Wells	100	250	250	600	-	-	-	-	(100)	(250)	(250)	(600)
5. STORAGE	MOE C of A				-	3,000	-	-	3,000	3,000	-	-	3,000
5. STORAGE	Observation Wells				-	1,850	2,450	1,600	5,900	1,850	2,450	1,600	5,900
5. STORAGE	OEB Hearing and Observation Wells	3,500	3,500		7,000				-	(3,500)	(3,500)	-	(7,000)
5. STORAGE	Pipe Spec Standard (Engineering standards integration)	100	100	100	300	100	100	100	300	-	-	-	-
5. STORAGE	Pipeline Integrity Records				-	150	-	-	150	150	-	-	150
5. STORAGE	Plant Roadways and Culverts		50	50	100	-	-	-	-	-	(50)	(50)	(100)
5. STORAGE	Press Test/log/wellhead & fence replace	1,825	1,150	1,300	4,275				-	(1,825)	(1,150)	(1,300)	(4,275)
5. STORAGE	Remote Operations Control	600			600	350	-	-	350	(250)	-	-	(250)
5. STORAGE	Replacement Lines to Horizontal Wells			1,000	1,000	-	-	-	-	-	-	(1,000)	(1,000)
5. STORAGE	Road Purchase (Tecumseh Road)				-				-	-	-	-	-
5. STORAGE	Roads	70	75	80	225	-	-	-	-	(70)	(75)	(80)	(225)
5. STORAGE	SCADA Upgrade and Automation	50	50	50	150	-	-	-	-	(50)	(50)	(50)	(150)

5. STORAGE	Tecumseh New Building ORM	9,000	2,000		11,000				-	(9,000)	(2,000)	-	(11,000)
5. STORAGE	Warehouse / Layout Change				-	-	150	-	150	-	150	-	150
5. STORAGE	Warehouse retrofit/Johnson barn abandonment		500		500				-	-	(500)	-	(500)
5. STORAGE	Well Acid Program				-	300	-	325	625	300	-	325	625
5. STORAGE	Well Casing Replacement	678	698	720	2,096				-	(678)	(698)	(720)	(2,096)
5. STORAGE	Well Integrity				-	2,530	4,800	5,760	13,090	2,530	4,800	5,760	13,090
5. STORAGE	Well Loops	555	390	690	1,635				-	(555)	(390)	(690)	(1,635)
5. STORAGE	Wellhead Emergency Shutdown				-	125	125	-	250	125	125	-	250
5. STORAGE	Wellhead ESD	125	125		250				-	(125)	(125)	-	(250)
6. GENERAL PLANT	Building Improvements	3,475	1,550	1,600	6,625	5,090	2,600	2,910	10,600	1,615	1,050	1,310	3,975
6. GENERAL PLANT	Community events requirements - vehicles, vehicle wrapping, BBQ's, tents, etc.				-	25	25	25	75	25	25	25	75
6. GENERAL PLANT	Convert Vacated Meter Shop space at VPC into 200 offices				-	-	2,100	-	2,100	-	2,100	-	2,100
6. GENERAL PLANT	Fleet	7,800	7,800	7,800	23,400	5,300	5,300	5,300	15,900	(2,500)	(2,500)	(2,500)	(7,500)
6. GENERAL PLANT	Fleet Garage Relocation to a New Leased Property				-	-	3,000	-	3,000	-	3,000	-	3,000
6. GENERAL PLANT	Meter Shop Relocation to Markland Leased Property				-	3,000	-	-	3,000	3,000	-	-	3,000
6. GENERAL PLANT	Natural Gas Transportation - Customer Compressor Stat	7,612	7,712	7,814	23,137	2,000	2,100	2,202	6,301	(5,612)	(5,612)	(5,612)	(16,836)
6. GENERAL PLANT	Natural Gas Transportation - Rental Cylinders	69	71	73	213	69	71	73	213	-	-	-	-
6. GENERAL PLANT	Natural Gas Transportation - Rental VRA's	1,412	1,415	1,418	4,245	1,412	1,415	1,418	4,245	-	-	-	-
6. GENERAL PLANT	Natural Gas Transportation - Utility Compressor Station	105	107	110	322	105	107	110	322	-	-	-	-
6. GENERAL PLANT	Natural Gas Transportation - Utility Fleet Cylinders	51	103	105	259	51	103	105	259	-	-	-	-
6. GENERAL PLANT	Natural Gas Transportation - Utility Fleet Vehicle Conver	458	468	479	1,405	458	468	479	1,405	-	-	-	-
6. GENERAL PLANT	New Office / Conference / Space Alterations	3,315	3,870	2,830	10,015	4,830	3,520	3,860	12,210	1,515	(350)	1,030	2,195
6. GENERAL PLANT	Office Furniture and Equipment	3,630	6,380	5,130	15,140	4,630	4,680	4,380	13,690	1,000	(1,700)	(750)	(1,450)
6. GENERAL PLANT	Tools and Work Equipment	125	125	125	375	125	125	125	375	-	-	-	-
7. IT	Altra GMS / SCADA / GDMS	300	300	300	900	300	300	300	900	-	-	-	-
7. IT	Capital & OM Analytics Upgr				-	200	400	400	1,000	200	400	400	1,000
7. IT	CIS	4,800	4,800	6,800	16,400	6,800	4,800	6,800	18,400	2,000	-	-	2,000
7. IT	Clarity	-	-	-	-				-	-	-	-	-
7. IT	COMMS	500	1,000	1,000	2,500	300	600	600	1,500	(200)	(400)	(400)	(1,000)
7. IT	Customer Care Improvement Initiative				-	6,500	4,000	1,000	11,500	6,500	4,000	1,000	11,500
7. IT	Data Centre Operations	2,900	3,000	1,400	7,300	2,100	2,100	2,600	6,800	(800)	(900)	1,200	(500)
7. IT	Datapak / iViewer	200	-	-	200	200	-	-	200	-	-	-	-
7. IT	DSM DARTs	-	-	-	-				-	-	-	-	-
7. IT	EDMS	200	-	-	200	200	-	-	200	-	-	-	-
7. IT	EHS	100	-	100	200	100	-	100	200	-	-	-	-
7. IT	eInvoice	100	100	100	300	100	100	100	300	-	-	-	-
7. IT	eLMS	200	-	-	200	200	-	-	200	-	-	-	-
7. IT	EnMAR	100	100	100	300	100	100	100	300	-	-	-	-
7. IT	Enterprise GIS	500	500	500	1,500	500	500	500	1,500	-	-	-	-
7. IT	EnTRAC	-	2,000	2,000	4,000	-	2,000	2,000	4,000	-	-	-	-
7. IT	ESM / SRM	400	400	1,000	1,800	400	400	1,000	1,800	-	-	-	-
7. IT	Extranet	1,000	1,500	1,000	3,500				-	(1,000)	(1,500)	(1,000)	(3,500)
7. IT	Gas Molecule	1,000	300	200	1,500	1,000	300	200	1,500	-	-	-	-
7. IT	Gas Storage	800	300	300	1,400				-	(800)	(300)	(300)	(1,400)
7. IT	Gas Storage - GIS	1,000	200	200	1,400	1,000	200	200	1,400	-	-	-	-
7. IT	Information & Productivity Services	3,000	6,000	3,800	12,800	3,000	6,000	3,800	12,800	-	-	-	-
7. IT	Integrated Training Environment	200	-	-	200	200	-	-	200	-	-	-	-
7. IT	IT Risk Management	400	700	900	2,000	400	400	900	1,700	-	(300)	-	(300)
7. IT	IT Service Management/ Desktop Replacement	2,100	2,300	4,300	8,700	2,100	2,600	4,300	9,000	-	300	-	300
7. IT	Lakeside Services GPS				-	150	100	150	400	150	100	150	400
7. IT	MVRS	900	300	-	1,200	900	300	-	1,200	-	-	-	-
7. IT	Network Services	400	900	900	2,200	400	900	400	1,700	-	-	(500)	(500)
7. IT	Orm Facilities Integrity SW				-	200	100		300	200	100	-	300
7. IT	Orm IDP IVE Continuation Project				-	200	200	50	450	200	200	50	450
7. IT	Orm Knowledge Management				-	1,100	500	200	1,800	1,100	500	200	1,800

7. IT	Orm Leak Survey Mgt Sys Repl				-	350	100	100	550	350	100	100	550
7. IT	ORMs Projects	2,000	1,000	500	3,500				-	(2,000)	(1,000)	(500)	(3,500)
7. IT	RAVE	300	200	200	700	300	200	200	700	-	-	-	-
7. IT	Risk Management	900	300	100	1,300	-	-	-	-	(900)	(300)	(100)	(1,300)
7. IT	Sustainment	-	-	1,500	1,500	-	-	1,500	1,500	-	-	-	-
7. IT	WAMS (Post Implementation Enhancements)	-	-	-	-				-	-	-	-	-
8. DLC	Allocations	81,067	80,501	83,247	244,815	74,843	73,348	75,552	223,744	(6,223)	(7,153)	(7,695)	(21,071)
9. AG	Allocations	36,523	37,072	37,664	111,259	35,500	36,440	37,140	109,080	(1,023)	(632)	(524)	(2,179)
9. IDC	Allocations	7,435	8,981	9,825	26,241	7,800	7,251	6,999	22,050	365	(1,730)	(2,826)	(4,191)
		476,262	523,568	518,419	1,518,250	443,825	446,627	441,877	1,332,329	(32,437)	(76,941)	(76,543)	(185,921)