PGL Capital Construction Program
Quantity Reconciliation

	2010 Estimate Basis	2012 Estimate Update	Delta 2010-2012	2015 Estimate Basis	Delta 2010-2012	PTD through 12/31/14	To Go 01/01/15
Mains Retire	**2,157**	**2,157**	**0**	**2,359**	**202**	**268**	**2,092**
CI/DI	*2,157*	*2,157*	*0*	*2,157*	*0*		*1594.9*
Carryover pre-2010[1]				*47*	*47*		
All LP – non CI/DI				*155*	*155*		*497.1*
Mains Install	**3,056**	**3,056**	**0**	**3,456**	**400**	**575**	**2,881**
AMRP	*3,056*	*3,056*	*0*	*3,056*	*0*		
Carryover pre-2010				*90*	*90*		
All LP				*310*	*310*		
High Pressure	**63**	**63**	**0**	**39**	**-24**	**7**	**32**
Services	**296,392**	**296,392**	**0**	**308,600**	**12,208**	**45,978**	
AMRP	*296,392*	*296,392*	*0*	*296,392*	*0*		
Carryover pre-2010				*12,208*	*12,208*		
Meters	**406,977**	**406,977**	**0**	**449,600**	**42,623**	**77,453**	**372,147**
AMRP	*406,977*	*406,977*	*0*	*406,977*	*0*		
Carryover pre-2010				*10,520*	*10,520*		
Revised quantity of inside meters[3]				*32,103*	*32,103*		

1 2010 estimate was predicated on an agreed upon quantity of mains, services and meters being replaced prior to program commencing.
2 Prior to 2015, estimates excluded other LP steel and plastic pipe.
3 Increased number of inside meters to move outside.

PGL Capital Construction Program
PHMSA / Estimate Reconciliation

A	B	C	D = B+C	E	F	G = E+F	
Year	Cast Iron (Miles)	Ductile Iron (Miles)	Total	Qty in 2010 Model	ST LP included in 2010 Model	Total	
2008	1,588.8	293.8	1,882.6	1,915.0	377.0	2,292.0	
2009	1,576.6	293.4	1,870.1	1,877.0	370.0	2,247.0	
2010	1,559.0	285.7	1,844.7	1,840.0	362.0	2,202.0	
2011	1,544.3	282.1	1,826.4	1,802.0	355.0	2,157.0	end of 2010
2012	1,479.8	260.7	1,740.5				
2013	1,405.9	242.3	1,648.2				
2014	1,360.9	234.0	1,594.9				

All LP Pipe

58 miles of PE
97 miles of steel not included above
155 Additional miles
47 Carryover from 2008-2010
202 mile adjustment to estimate
2,157 from above
2,359 Current Program Scope

PGL Capital Construction Program
Estimate Reconciliation

	A 2010	B 2010-2012 Changes	C = A + B 2012	D 2012-2015 Changes	E = C + D 2015
2010 Testimony Estimate - NPV	$2,467,500,000				
NPV / Escalation Adjustment	($180,750,000)				
2010 Scope	**$2,286,750,000**		**$2,286,750,000**		**$2,286,750,000**
Professional Services[1]		*$687,750,000*	$687,750,000	*($56,750,000)*	$631,000,000
Unit Rate Adjustment[2]		*$471,250,000*	$471,250,000	*$579,500,000*	$1,050,750,000
Means and Methods Adjustments[3,4]		*$662,250,000*	$662,250,000	*($233,500,000)*	$428,750,000
Added Scope - CDOT Rev 1		*$367,500,000*	$367,500,000	*$0*	$367,500,000
Unescalated Total Scope (2012 Estimate)	**$2,286,750,000**	***$2,188,750,000***	$4,475,500,000	***$289,250,000***	**$4,764,750,000**
Escalation		*$571,500,000*	$1,365,000,000	*($348,250,000)*	$1,016,750,000
2012 Program Scope			**$5,840,500,000**		**$5,781,500,000**
Added Scope - Mains/meters				*$410,250,000*	$505,250,000
Added Scope - CDOT Rev 2				*$699,000,000*	$848,750,000
2015 Program Scope					$7,135,500,000
Risk Based Contingency					$861,000,000
Total Estimated Program Cost					**$7,996,000,000**

Previous Estimates

1 Percentage of design costs / capital costs changed from 2012 to 2015 based on program to date experience.
2 Unit rate increase reflects program to date experience, including increases in permitting, meter and main installation
3 Between 2010 and 2012, there was a shift in main installation means and methods, with an increase in open cut installation and decrease in directional boring.
4 Between 2012 and 2015, there was a shift back to a larger percentage of directional boring, which reduced the installation cost

PGL Capital Construction Program
Estimate Reconciliation

	A 2010	B Changes	C = A + B 2012	D Base Scope Changes	E New Scope	F = C + D + E 2015
Estimates	$2,467,500,000	$2,007,500,000	$4,475,000,000	$1,306,500,000	$1,354,000,000	$7,135,500,000
NPV / Escalation Adjustment	($181,000,000)					
Adjusted 2010 Estimate	$2,286,500,000					
Escalation	$793,500,000					
Total - 2010 Project Cost	**$3,080,000,000**					
Professional Services						
Design Consultants[1]		$188,250,000		($116,250,000)		
PGL / PMO		$500,000,000		$59,500,000		
Means and Methods Adjustments[2,3]						
Post Camera Safety		$272,250,000				
Open Cut / Direct Bore ratio		$679,500,000		($233,500,000)		
Unit Rate adjustment - reflect program to date				$579,500,000		
Added Scope - CDOT Rev 1		$367,500,000				
Sub Total			$4,475,000,000			
Escalation			$1,365,000,000	$1,016,750,000		
Total - 2012 Project Cost			**$5,840,000,000**			
Added Scope - Mains and meters						
Additional LP + 2008-2010 scope					$505,250,000	
CDOT Rev 2					$848,750,000	
Total - 2015 Project Cost						**$7,135,500,000**
Risk Based Contingency						$861,000,000
Total Estimated Project Cost						**$7,996,000,000**

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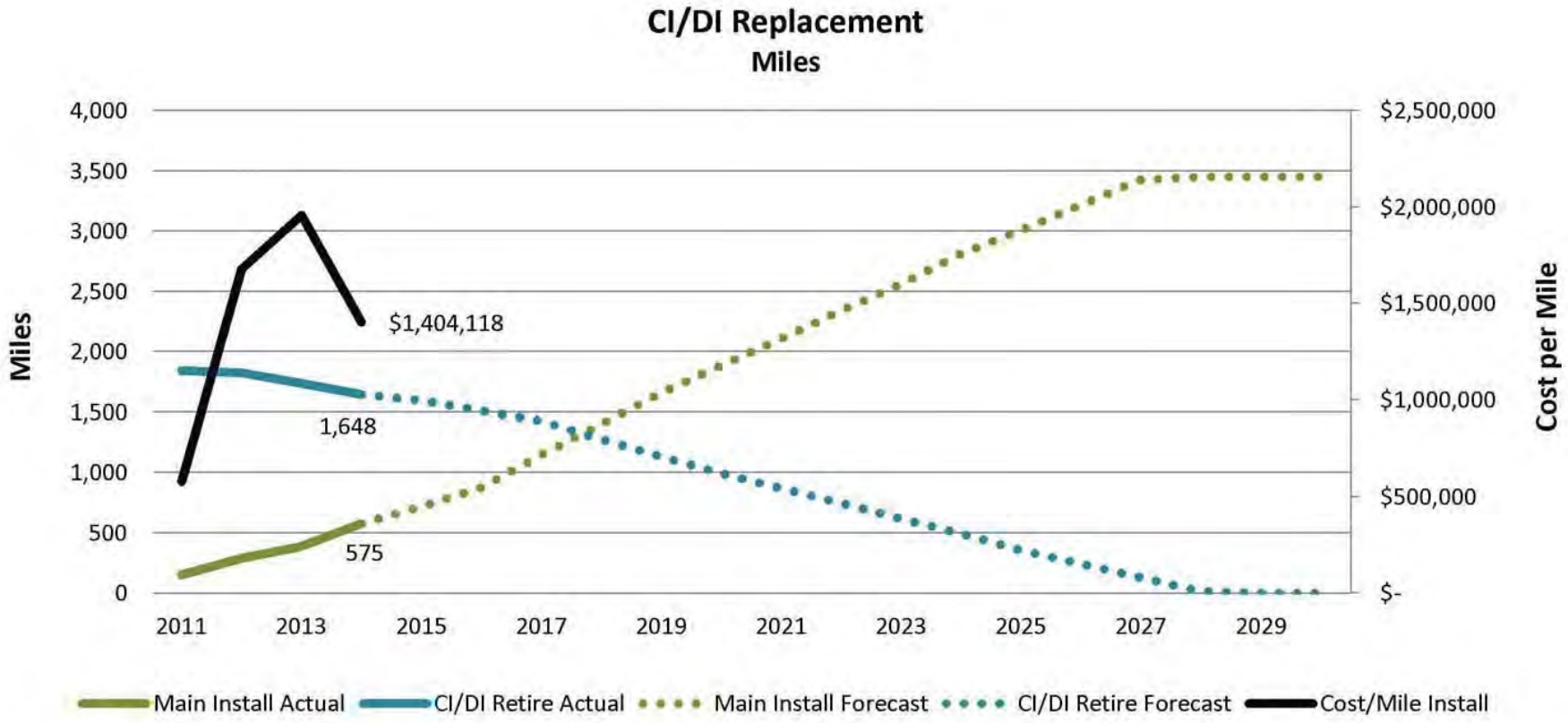
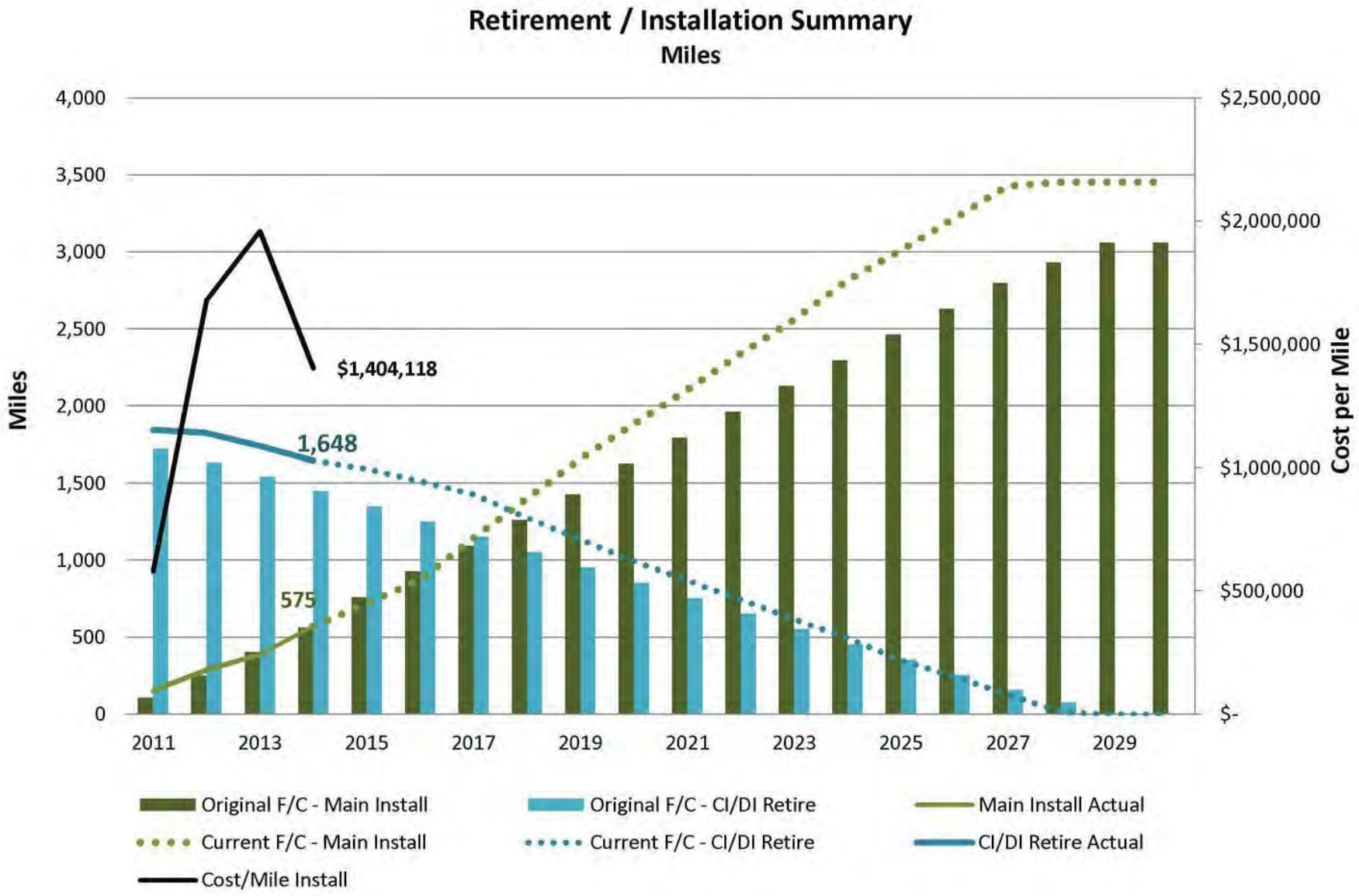
PGL Capital Construction Program
PHMSA / Estimate Reconciliation



PGL Capital Construction Program
PHMSA / Estimate Reconciliation



PGL Capital Construction Program
Estimate Reconciliation

	2010	2012	2015
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2010 Scope	**$2,286,750,000**	**$2,286,750,000**	**$2,286,750,000**
Professional Services		$687,750,000	$631,000,000
Unit Rate Adjustment		$471,250,000	$1,050,750,000
Means and Methods Adjustments		$662,250,000	$428,750,000
Added Scope - CDOT Rev 1		$367,500,000	$367,500,000
Unescalated Total Scope (2012 Estimate)	**$2,286,750,000**	$4,475,500,000	**$4,764,750,000**
Escalation		$1,365,000,000	$1,016,750,000
2012 Program Scope		**$5,840,500,000**	**$5,781,500,000**
Added Scope - Mains/meters			$505,250,000
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Previous Estimates