West Penn Settlement Exhibit 6 Page 1 of 11

West Penn Power Company

Cost Baseline for Savings as a Result of the Deployment of Smart Meters At December 31, 2017

Line No. Description		West Penn
1	Meter reading (Page 2)	\$ 8,157,704
2	Meter services (Page 4)	3,667,318
3	Back-office (Page 6)	838,758
4	Contact Center (Page 8)	2,575,228
5	Theft of service reduction	0
6	Revenue enhancement (Page 10)	500,000
7	Avoided capital costs (Page 10)	0
8	Distribution operations	0
9	Load research (Page 11)	5,161
10	Total	<u>\$ 15,744,168</u>

Meter Reading Cost Baseline for Smart Meter Benefit For the Twelve Months Ending December 2017

Line No.

	Total Meter Reading Costs	Total	
1	Met-Ed	\$ 7,187,146	
2	Penelec	\$ 5,812,481	
3	Penn Power	\$ 1,189,216	
4	West Penn Power	\$ 8,157,704	
5 6 7 8	Labor Costs Met-Ed Penelec Penn Power West Penn Power	Headcount 79.0 64.5 13.0 99.5	Salary Severance Costs \$ 6,697,022 \$ \$ 4,850,440 \$ \$ 1,049,759 \$ \$ 6,734,332 \$
	Meter Reader Reductions	Attrition	Retirement
9	Met-Ed	\$	\$
9 10	Penelec	\$	\$
11	Penn Power	\$ \$	\$
12	West Penn Power	\$	\$
	Uniforms/Supplies	Uniforms/ Supplies Costs	·
13	Met-Ed	\$ 14,735	
14	Penelec	\$ 37,673	
15	Penn Power	\$ 60,653	
16	West Penn Power	\$ 38,328	
17 18 19 20	<u>Fleet Costs</u> Met-Ed Penelec Penn Power West Penn Power	Fleet Costs \$ 475,388 \$ 924,368 \$ 78,804 \$ 1,385,044	Personal Mileage
21 22 23 24	Handheld Costs Met-Ed Penelec Penn Power West Penn Power	Replacement Costs \$ \$ \$ \$ \$ \$ \$ \$	Maintenance Costs \$
25 26	<u>Claims</u> Met-Ed Penelec	Claims Costs	

\$ \$

Penn Power

West Penn Power

27

28

Meter Reading Cost Baseline for Smart Meter Benefit by FERC Accounts For the Twelve Months Ending December 2017

Line No.	<u>.</u>				
	Salary				
	Met-Ed				
1	FERC Account	593	Maintenance Overhead Lines	\$	-
2	FERC Account	902	Meter Reading Expense	\$	5,322,853
3	FERC Account	408.1	Taxes Other than Income Taxes	\$	410,550
4	FERC Account	926	A&G-Employee Pensions & Benefits Total	\$ \$	963,620
5	Penelec		Total	φ	6,697,022
6 7	FERC Account	593	Maintenance Overhead Lines	\$	
8	FERC Account	902	Meter Reading Expense	գ \$	3,811,777
o 9	FERC Account	902 408.1	Taxes Other than Income Taxes	φ \$	293,193
9 10	FERC Account	926	A&G-Employee Pensions & Benefits	φ \$	745,470
10		320	Total	\$	4,850,440
12	Penn Power		1 otal	Ψ	4,000,440
12	FERC Account	593	Maintenance Overhead Lines	\$	_
13	FERC Account	902	Meter Reading Expense	φ \$	825,293
14	FERC Account	408.1	Taxes Other than Income Taxes	\$	63,463
16	FERC Account	926	A&G-Employee Pensions & Benefits	\$	161,004
10		020	Total	\$	1,049,759
18	West Penn Power		- Otal	Ŧ	1,010,100
19	FERC Account	593	Maintenance Overhead Lines	\$	(682,347)
20	FERC Account	902	Meter Reading Expense	\$	5,966,688
20	FERC Account	408.1	Taxes Other than Income Taxes	\$	406,339
22	FERC Account	926	A&G-Employee Pensions & Benefits	\$	1,043,651
23		020	Total	\$	6,734,332
	Uniform/Supplies Cos	<u>sts</u>		Ŧ	-,,
	Met-Ed				
24	FERC Account	902	Meter Reading Expense	\$	14,735
	Penelec				
25	FERC Account	902	Meter Reading Expense	\$	37,673
	Penn Power				
26	FERC Account	902	Meter Reading Expense	\$	60,653
	West Penn Power				
27	FERC Account	902	Meter Reading Expense	\$	38,328
	Fleet Costs				
	Met-Ed				
28	FERC Account	593	Maintenance Overhead Lines	\$	-
29	FERC Account	902	Meter Reading Expense		475,388
30			Total	\$	475,388
	Penelec				
31	FERC Account	593	Maintenance Overhead Lines	\$	-
32	FERC Account	902	Meter Reading Expense		924,368
33			Total	\$	924,368
	Penn Power				
34	FERC Account	593	Maintenance Overhead Lines	\$	-
35	FERC Account	902	Meter Reading Expense		78,804
36			Total	\$	78,804
	West Penn Power				
37	FERC Account	593	Maintenance Overhead Lines	\$	-
38	FERC Account	902	Meter Reading Expense		1,385,044
39			Total	\$	1,385,044

Meter Services Cost Baseline for Smart Meter Benefit For the Twelve Months Ending December 2017

Line No.

Line No).	-		
	Total Meter Services Costs	Total Headcount	Total	
1	Met-Ed	37	\$ 3,584,282	
2	Penelec	38	\$ 3,552,696	
3	Penn Power	9	\$ 766,727	
4	West Penn Power	41	\$ 3,667,318	
	Labor Costs - Original Roles	Headcount	Salary	Severance Costs
5	Met-Ed	37	\$ 3,237,739	\$
6	Penelec	38	\$ 3,207,037	\$
7	Penn Power	9	\$ 760,729	\$
8	West Penn Power	41	\$ 3,099,129	\$
		Uniforms/		
	Uniforms/Supplies	Supplies Cost		
9	Met-Ed	\$ 106,868		
10	Penelec	\$ 150,021		
11	Penn Power	\$ 5,998		
12	West Penn Power	\$ 117,252		
	Fleet Costs	Fleet Costs		
13	Met-Ed	\$ 239,675		
14	Penelec	\$ 195,639		
15	Penn Power	\$ -		
16	West Penn Power	\$ 450,937		
		Replacement	Maintenance	
	Original Tablet Costs	Costs	Costs	
17	Met-Ed	\$	\$	
18	Penelec	\$	\$	
19 20	Penn Power West Penn Power	\$ \$	\$ \$	
20	westrennrower	Ψ	Ψ	
	New Device Cost-	Costs		
21	New Device Costs Met-Ed	Costs \$		
21	Penelec	\$		
23	Penn Power	\$		
24	West Penn Power	\$		
	Staff Retraining Costs	Cost		
25	Met-Ed	\$		
26	Penelec	\$		
27	Penn Power	\$		
28	West Penn Power	\$		
	Labor Costs - New Roles	Headcount	Salary	
29	Met-Ed		\$	
30	Penelec		\$	
31	Penn Power Woot Popp Power		\$	
32	West Penn Power		\$	

West Penn Settlement Exhibit 6 Page 5 of 11

Meter Services Cost Baseline for Smart Meter Benefit by FERC Accounts For the Twelve Months Ending December 2017

Line No.				
Line No.	<u>Salary</u>			
	Met-Ed			
1	FERC Account	586	Meter Expenses	\$1,303,867
2	FERC Account	593	Maintenance of Overhead Lines	-
3	FERC Account	597	Maintenance of Meters	1,303,867
4	FERC Account	408.1	Taxes Other than Income Taxes	189,124
5	FERC Account	920	Admin & Gen Salaries	-
6	FERC Account	926	A&G-Employee Pensions & Benefits	440,881
7			Total	\$ 3,237,739
	Penelec			
8	FERC Account	586	Meter Expenses	\$1,284,142
9	FERC Account	593	Maintenance of Overhead Lines	-
10	FERC Account	597	Maintenance of Meters	1,284,142
11	FERC Account	408.1	Taxes Other than Income Taxes	186,411
12	FERC Account	926	A&G-Employee Pensions & Benefits	452,341
13			Total	\$ 3,207,037
	Penn Power			
14	FERC Account	570	Maintenance of Station Equipment	\$-
15	FERC Account	586	Meter Expenses	-
16	FERC Account	588	Misc Distribution Expenses	-
17	FERC Account	593	Maintenance of Overhead Lines	-
18	FERC Account	597	Maintenance of Meters	600,797
19	FERC Account	408.1	Taxes Other than Income Taxes	46,311
20	FERC Account	920	Admin & Gen Salaries	40,011
20	FERC Account	920	A&G-Employee Pensions & Benefits	- 113,621
	I LING ACCOUNT	520	Total	
22	Mart Dama Davisa		Iotal	\$ 760,729
	West Penn Power	500		* • • • • • • • • 7
23	FERC Account	586	Meter Expenses	\$2,414,387
24	FERC Account	593	Maintenance of Overhead Lines	-
25	FERC Account	597	Maintenance of Meters	-
26	FERC Account	408.1	Taxes Other than Income Taxes	193,757
27	FERC Account	926	A&G-Employee Pensions & Benefits	490,984
28			Total	\$ 3,099,129
	Uniform/Supplies Cos	ts		
	Met-Ed			
29	FERC Account	586	Meter Expenses	\$ 53,434
30	FERC Account	597	Maintenance of Meters	53,434
31			Total	\$ 106,868
	Penelec			
32	FERC Account	586	Meter Expenses	\$ 75,010
33	FERC Account	597	Maintenance of Meters	75,011
34			Total	\$ 150,021
	Penn Power			+,
35	FERC Account	597	Maintenance of Meters	\$ 5,998
36			Total	\$ 5,998
50	West Penn Power		1 otal	φ 3,330
37	FERC Account	586	Meter Expenses	\$ 117,252
	TERC Account	500		
38			Total	\$ 117,252
	Fleet Costs			
	Met-Ed	500	M	•
39	FERC Account	586	Meter Expenses	\$-
40	FERC Account	593	Maintenance of Overhead Lines	-
41	FERC Account	597	Maintenance of Meters	239,675
42	FERC Account	920	Admin & Gen Salaries	
43			Total	\$ 239,675
	Penelec			
44	FERC Account	586	Meter Expenses	\$-
45	FERC Account	593	Maintenance of Overhead Lines	-
46	FERC Account	597	Maintenance of Meters	195,639
47			Total	\$ 195,639
	Penn Power			,
48	FERC Account	570	Maintenance of Station Equipment	\$-
49	FERC Account	588	Misc Distribution Expenses	•
	FERC Account	593	Maintenance of Overhead Lines	-
50 51	FERC Account	593 597	Maintenance of Meters	-
51 52	FERC Account	920	Admin & Gen Salaries	-
		020	Total	<u>e</u>
53	West Penn Power		i vial	\$-
		500	Motor Exponence	¢
54	FERC Account	586	Meter Expenses	\$-
55	FERC Account	593 597	Maintenance of Overhead Lines	450 027
56	FERC Account	597	Maintenance of Meters	450,937
57			Total	\$ 450,937

Back Office Cost Baseline for Smart Meter Benefit For the Twelve Months Ending December 2017

Line No.

	Total Back Office Costs	Headcount		Salary
1	Met-Ed	10	\$	773,240
2	Penelec	10	\$	812,509
3	Penn Power	3	\$	180,709
4	West Penn Power	13	\$	838,758

	Labor Costs	Headcount	
5	Met-Ed	10	\$
6	Penelec	10	\$
7	Penn Power	3	\$
8	West Penn Power	13	\$
			_
		Headcount	

Salary
\$ 773,240
\$ 812,509
\$ 180,709
\$ 838,758

everance Costs
\$ -
\$ -
\$ -
\$ -

		rieaucount
	Staffing Updates	Reductions
9	Met-Ed	-
10	Penelec	-
11	Penn Power	-
12	West Penn Power	-

Back Office Cost Baseline for Smart Meter Benefit by FERC Accounts For the Twelve Months Ending December 2017

Line No.		FERC <u>Account</u>	Description		<u>Amount</u>	
	<u>Salary</u>					
	Met-Ed					
1	FERC Account	903	Cust Rcrd & Collect Exp	\$	610,397	
2	FERC Account	408.1	Taxes Other than Income Taxes	\$	47,335	
3	FERC Account	926	A&G-Employee Pensions & Benefits	\$	115,508	
4			Total	\$	773,240	
	Penelec					
5	FERC Account	903	Cust Rcrd & Collect Exp	\$	641,397	
6	FERC Account	408.1	Taxes Other than Income Taxes	\$	49,739	
7	FERC Account	926	A&G-Employee Pensions & Benefits	\$	121,374	
8			Total	\$	812,509	
	Penn Power					
9	FERC Account	902	Meter Reading Expense	\$	99,988	
10	FERC Account	903	Cust Rcrd & Collect Exp	\$	42,852	
11	FERC Account	408.1	Taxes Other than Income Taxes		10,560	
12	FERC Account	926	A&G-Employee Pensions & Benefits	\$	27,309	
13			Total	\$	180,709	
	West Penn Power					
14	FERC Account	902	Meter Reading Expense	\$	-	
15	FERC Account	923	Outside Svcx Employed		662,890	
16	FERC Account	408.1	Taxes Other than Income Taxes		49,006	
17	FERC Account	926	A&G-Employee Pensions & Benefits	\$	126,863	
18			Total	\$	838,758	

Contact Center Cost Baseline for Smart Meter Benefit For the Twelve Months Ending December 2017

Line No.

	Total Contact Center						
	<u>Costs</u>	Headcount			Salary		
1	Met-Ed	44	-	\$	1,993,656		
2	Penelec	46		\$	2,094,519		
3	Penn Power	13		\$	581,572		
4	West Penn Power	57		\$	2,575,228		
			I			1	
	Labor Costs	Headcount			Salary		Severance Costs
5	Met-Ed	44	l	\$	1,993,656		\$ -
				- T			· · · · · · · · · · · · · · · · · · ·
6	Penelec	46		\$	2,094,519		\$
7	Penn Power	13		\$_	581,572		\$ <u> </u>
8	West Penn Power	57		\$	2,575,228		\$ -
				Г		1	
	Staffing Updates	Additions			Reductions		
•		Auditions			Reductions		
9	Met-Ed						
10	Penelec	-		_	-		
11	Penn Power	-			-		
12	West Penn Power	-		_	-		

Contact Center Cost Baseline for Smart Meter Benefit by FERC Accounts For the Twelve Months Ending December 2017

		FERC		
Line No.		<u>Account</u>	Description	<u>Amount</u>
	Salary			
	Met-Ed			
1	FERC Account	903	Cust Rcrd & Collect Exp	\$-
2	FERC Account	910	Misc Cust Svc & Info Exp	1,576,012
3	FERC Account	408.1	Taxes Other than Income Taxes	118,375
4	FERC Account	926	A&G-Employee Pensions & Benefits	299,268
5			Total	\$ 1,993,656
	Penelec			
6	FERC Account	903	Cust Rcrd & Collect Exp	\$-
7	FERC Account	910	Misc Cust Svc & Info Exp	1,655,746
8	FERC Account	408.1	Taxes Other than Income Taxes	124,364
9	FERC Account	926	A&G-Employee Pensions & Benefits	314,409
10			Total	\$ 2,094,519
	Penn Power			
11	FERC Account	903	Cust Rcrd & Collect Exp	\$-
12	FERC Account	910	Misc Cust Svc & Info Exp	459,741
13	FERC Account	408.1	Taxes Other than Income Taxes	34,531
14	FERC Account	926	A&G-Employee Pensions & Benefits	87,300
15			Total	\$ 581,572
	West Penn Power			
16	FERC Account	902	Meter Reading Expense	\$-
17	FERC Account	903	Cust Rcrd & Collect Exp	-
18	FERC Account	910	Misc Cust Svc & Info Exp	2,035,753
19	FERC Account	408.1	Taxes Other than Income Taxes	152,907
20	FERC Account	926	A&G-Employee Pensions & Benefits	386,568
21			Total	\$ 2,575,228

Revenue Enhancement and Avoided Capital Costs Cost Baseline for Smart Meter Benefit For the Twelve Months Ending December 2017

Revenue Enhancement -- Change 1.5 day lag in Cash Working Capital

Line No.		<u>West Penn</u>
1	1.5 day lag for billing difference in CWC	\$ 3,384,000
2	Associated Rev Req	\$ 500,000

Avoided Capital Costs -- Material and Supply Inventories at December 2017

		West Penn	
3	Legacy meters in inventory	\$	-
4	Handheld devices in inventory		_
5	Total inventory (Line 3 + Line 4)	\$	-
6	Revenue requirement	\$	-

West Penn Settlement Exhibit 6 Page 11 of 11

Load Research Cost Baseline for Smart Meter Benefit For the Twelve Months Ending December 2017

<u>Line No</u>	Description		West Penn	
1	Number of load research meters in field		238	
2	Cost of load research meters	\$	400	
3	Cost of Normal meters		50	
4	Net Cost of load research Meters (Line 2 - Line 3)	\$	350	
5	Capital Cost of load research Meters (line 1 X line 4)	\$	83,300	
6	Depreciation Reserve per meter		238	
7	Accumulated Depreciation Reserve (Line 1 X Line 6)		<u>56,561</u>	
8	Net load research Meters in Rate Base (Line 5 - Line 7)	\$	26,739	
9	Carrying Charge		<u>12.76%</u>	
10	Revenue requirement for rate base (Line 8 X Line 9)	\$	3,412	
11	Depreciation Rate of meters		2.10%	
12	Depreciation expense (Line 5 X Line 11)		1,749	
13	Revenue requirement (Line 10 + Line 12)	\$	5,161	