

Attachment REB-1  
 Russell E. Borchardt  
 Hearing Exhibit 103  
 AMI Benefit Summary  
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 All Costs in 2016 Dollars

	(a)	(b)	(c)	(d)	(e)	(f)	(g)
		2016	2017	2018	2019	2020	2021
<b>1 METER DEPLOYMENT SCHEDULE</b>							
2 Single Phase Meters Replaced (Cumulative)		0	0	162,906	747,056	420,265	91,856
3 Three Phase Meters Replaced (Cumulative)		0	0	10,708	49,107	27,626	6,038
4							
<b>5 CAPITAL ITEMS (\$)</b>							
6 Distribution System Management		0	0	0	0	1,092,042	1,167,450
7 Outage Management Efficiency		0	0	0	69,553	100,114	105,383
8 Avoided Meter Purchases		0	0	0	1,500,266	2,992,680	3,296,594
9 <b>TOTAL CAPITAL (\$)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>1,569,819</b>	<b>4,184,835</b>	<b>4,569,427</b>
10							
<b>11 O&amp;M ITEMS (\$)</b>							
<b>12 Reduction in Meter Reading Costs</b>							
13 Reduction in Manual Meter Reading Expenses		0	0	0	2,158,479	3,106,902	3,270,423
14 Reduction in On-Cycle Meter Reading Vehicle Expense		0	0	0	197,065	283,655	298,584
15							
<b>16 Reduction in Field and Meter Services Costs</b>							
17 Reduction in Manual Disconnect / Reconnect of Meters		0	0	0	1,468,400	2,113,607	2,224,849
18 Reduction in Manual Off-Cycle / Special Meter Reads		0	0	0	1,188	1,710	1,800
19 Reduction in Nuisance Stopped Meter Orders		0	0	0	98,189	141,332	148,771
20 Reduction in Customer Equipment Problem Outages		0	0	0	104,361	150,217	158,123
21 Reduction in "OK on Arrival" Outage Field Trips		0	0	0	336,767	484,741	510,253
22 Reduction in Field Trips for Voltage Investigations		0	0	0	227,722	327,781	345,033
23							
<b>24 Improvement in Customer Care</b>							
25 Reduction in Call Volume		0	0	0	57,158	82,273	86,603
26 Reduction in Customer Accounts Back-office Costs		0	0	0	120,838	173,934	183,088
27							
<b>28 Distribution System Management</b>		0	0	0	0	3,580	3,827
<b>29 Outage Management Efficiency</b>		0	0	0	73,849	106,297	111,892
30 <b>TOTAL O&amp;M (\$)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>4,844,016</b>	<b>6,976,028</b>	<b>7,343,246</b>
31							
<b>32 OTHER AMI BENEFITS (\$)</b>							
33 Reduction in Energy Theft		0	0	0	3,763,139	5,416,639	5,701,725
34 Reduced Consumption on Inactive Premise		0	0	0	1,497,506	2,155,501	2,268,948
35 Reduced Uncollectible / Bad Debt Expense		0	0	0	418,493	602,376	634,080
36 Customer Outage Reduction Benefit		0	0	0	1,115,245	1,630,319	1,742,897
37 <b>TOTAL OTHER AMI BENEFITS (\$)</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>6,794,382</b>	<b>9,804,835</b>	<b>10,347,650</b>