



STATE OF RHODE ISLAND

**ENERGY EFFICIENCY &
RESOURCE MANAGEMENT COUNCIL**

CONSULTANT TEAM

2018 Energy Efficiency Programs

Preliminary Results

Presented By: Craig Johnson, EERMC Consultant Team

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Portfolio Highlights



Electric and gas portfolios both exceeded annual savings goals by significant margins



Electric and gas portfolio spending was pretty much on target compared to plan



Electric and gas costs to achieve savings came in under target



Electric Portfolio Results

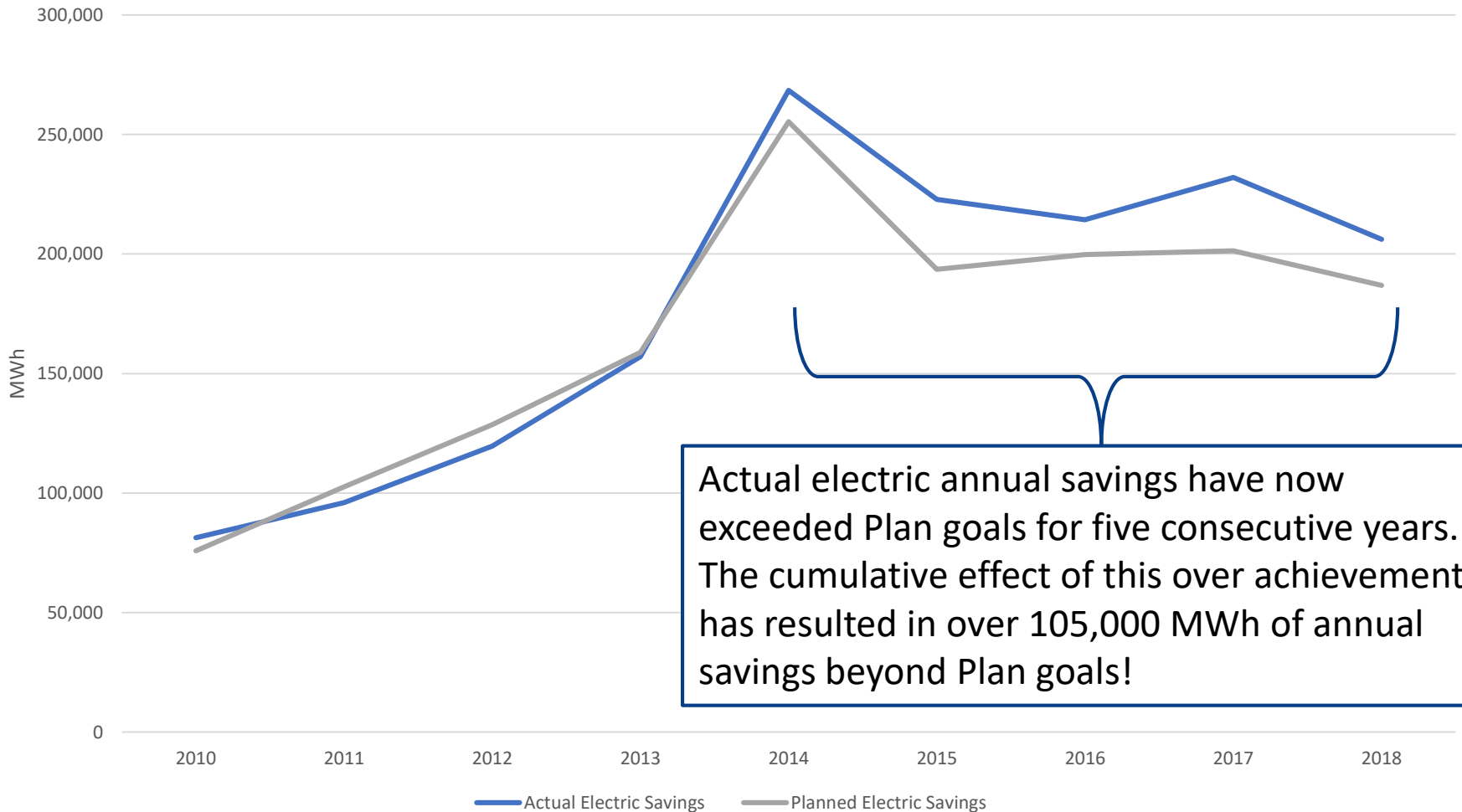
| | Energy Savings (MWh) | | | Expenses (\$000) | | | Cost to Achieve (\$/Lifetime kWh) | |
|--|----------------------|----------------|---------------|------------------|-----------------|---------------|-----------------------------------|----------------|
| | Target | YTD | Pct Achieved | Budget | YTD | Pct Achieved | Planned | Actual |
| Commercial and Industrial | | | | | | | | |
| Large Commercial New Construction | 13,959 | 13,700 | 98.1% | 6,111.7 | 5,177.1 | 84.7% | \$0.029 | \$0.024 |
| Large Commercial Retrofit | 75,616 | 80,658 | 106.7% | 24,030.7 | 22,657.6 | 94.3% | \$0.024 | \$0.024 |
| Small Business Direct Install | 9,940 | 10,727 | 107.9% | 6,924.5 | 5,982.5 | 86.4% | \$0.058 | \$0.046 |
| SUBTOTAL | 99,515 | 105,086 | 105.6% | 43,101.6 | 39,744.0 | 92.2% | \$0.033 | \$0.031 |
| Income Eligible | | | | | | | | |
| Single Family - Income Eligible Services | 4,185 | 4,177 | 99.8% | 9,329.3 | 9,872.2 | 105.8% | \$0.261 | \$0.224 |
| Income Eligible Multifamily | 3,287 | 2,473 | 75.2% | 2,557.4 | 2,590.6 | 101.3% | \$0.106 | \$0.090 |
| SUBTOTAL | 7,472 | 6,650 | 89.0% | 11,886.7 | 12,462.9 | 104.8% | \$0.198 | \$0.171 |
| Non-Income Eligible Residential | | | | | | | | |
| Residential New Construction | 619 | 959 | 154.9% | 764.6 | 767.1 | 100.3% | \$0.103 | \$0.052 |
| ENERGY STAR HVAC | 2,091 | 1,918 | 91.7% | 2,206.6 | 1,857.1 | 84.2% | \$0.084 | \$0.067 |
| EnergyWise | 6,157 | 6,862 | 111.5% | 14,916.3 | 13,331.2 | 89.4% | \$0.380 | \$0.260 |
| EnergyWise Multifamily | 4,207 | 2,825 | 67.1% | 3,062.6 | 2,196.0 | 71.7% | \$0.099 | \$0.074 |
| ENERGY STAR Lighting | 38,891 | 54,211 | 139.4% | 6,768.6 | 10,705.1 | 158.2% | \$0.032 | \$0.035 |
| Residential Consumer Products | 2,849 | 4,078 | 143.1% | 1,831.1 | 1,906.6 | 104.1% | \$0.083 | \$0.064 |
| Home Energy Reports | 25,054 | 23,527 | 93.9% | 2,629.3 | 2,568.7 | 97.7% | \$0.105 | \$0.109 |
| SUBTOTAL | 79,868 | 94,380 | 118.2% | 33,861.5 | 34,352.1 | 101.4% | \$0.094 | \$0.072 |
| TOTAL | 186,855 | 206,115 | 110.3% | 90,221.9 | 87,931.0 | 97.5% | \$0.052 | \$0.048 |

Primary Sector Program



Electric Savings Exceed Goals

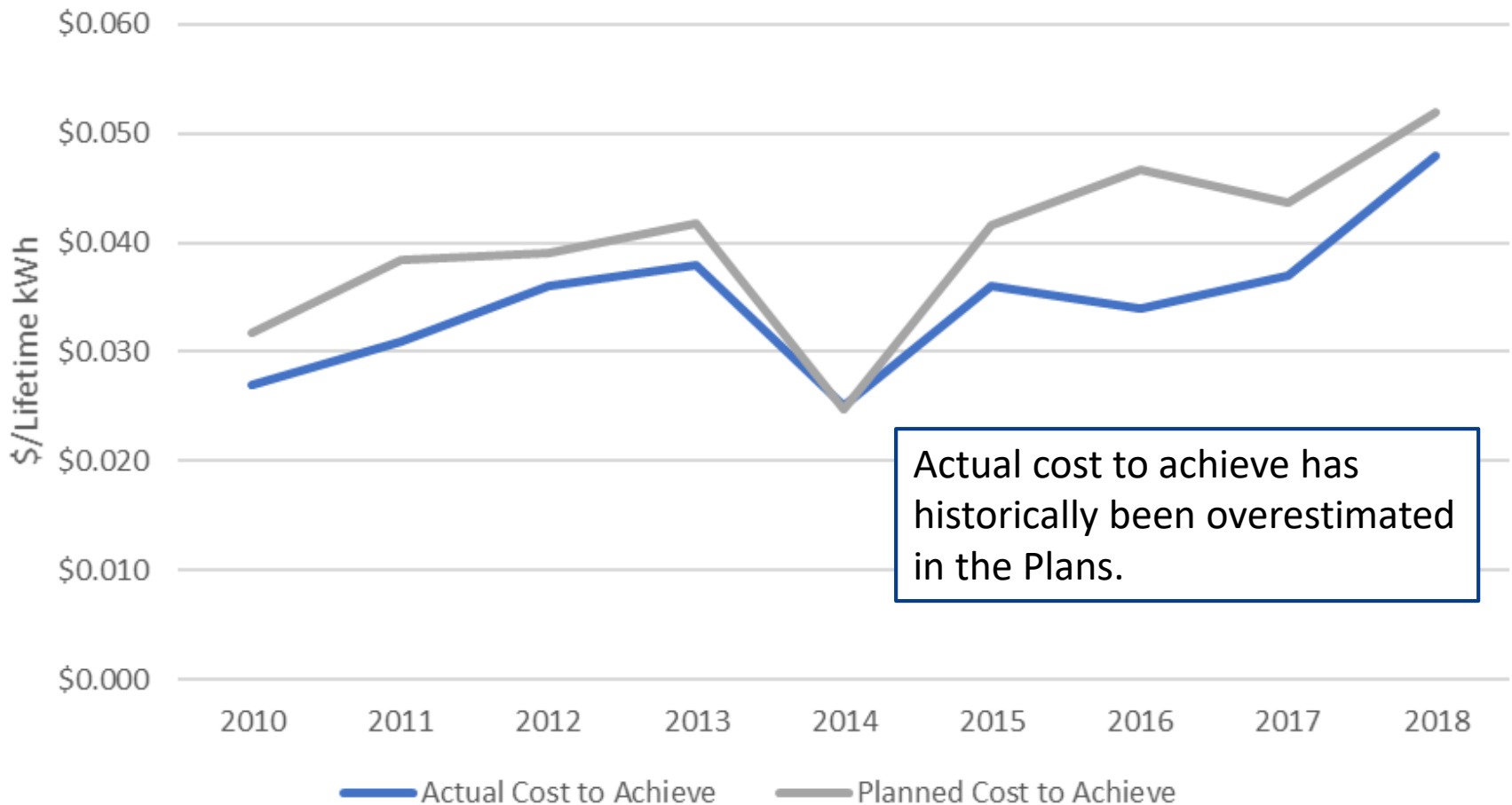
Portfolio Annual Electric Savings





Overestimating Cost to Achieve

Portfolio Cost to Achieve





Gas Portfolio Results

| | Energy Savings (MMBtu) | | | Expenses (\$000) | | | Cost to Achieve (\$/Lifetime MMBtu) | |
|--|------------------------|----------------|---------------|------------------|-----------------|---------------|-------------------------------------|----------------|
| | Target | YTD | Pct Achieved | Budget | YTD | Pct Achieved | Planned | Actual |
| Commercial and Industrial | | | | | | | | |
| Large Commercial New Construction | 42,764 | 55,639 | 130.1% | 2,658 | 2,787.6 | 104.9% | \$3.33 | \$2.88 |
| Large Commercial Retrofit | 186,780 | 178,576 | 95.6% | 3,643 | 4,257.5 | 116.9% | \$1.99 | \$1.92 |
| Small Business Direct Install | 3,059 | 3,260 | 106.6% | 133 | 143.0 | 107.9% | \$4.45 | \$5.14 |
| Commercial and Industrial Multifamily | 6,643 | 9,462 | 142.4% | 410 | 814.9 | 198.7% | \$4.40 | \$6.65 |
| SUBTOTAL | 239,246 | 246,936 | 103.2% | 7,336 | 8,008.3 | 109.2% | \$2.67 | \$2.40 |
| Income Eligible | | | | | | | | |
| Single Family - Income Eligible Services | 12,620 | 13,201 | 104.6% | 4,032 | 4,224.7 | 104.8% | \$15.98 | \$16.00 |
| Income Eligible Multifamily | 16,222 | 23,645 | 145.8% | 2,350 | 2,420.1 | 103.0% | \$8.20 | \$6.76 |
| SUBTOTAL | 28,842 | 36,847 | 127.8% | 6,382 | 6,644.8 | 104.1% | \$11.84 | \$10.68 |
| Non-Income Eligible Residential | | | | | | | | |
| EnergyWise | 26,787 | 28,878 | 107.8% | 8,371 | 7,935.9 | 94.8% | \$12.84 | \$12.12 |
| ENERGY STAR HVAC | 27,513 | 28,962 | 105.3% | 1,730 | 1,980.5 | 114.5% | \$3.63 | \$4.19 |
| EnergyWise Multifamily | 12,069 | 10,831 | 89.7% | 1,267 | 1,036.0 | 81.8% | \$6.39 | \$6.16 |
| Home Energy Reports | 77,220 | 132,562 | 171.7% | 429 | 417.1 | 97.3% | \$5.55 | \$3.15 |
| Residential New Construction | 3,117 | 9,017 | 289.3% | 587 | 640.3 | 109.0% | \$9.38 | \$4.72 |
| SUBTOTAL | 146,706 | 210,249 | 143.3% | 12,517 | 12,093.7 | 96.6% | \$8.53 | \$7.73 |
| TOTAL | 414,795 | 494,032 | 119.1% | 26,794 | 27,306.8 | 101.9% | \$5.63 | \$4.95 |

Primary Sector Program



Next Steps & Conclusions

- National Grid to file official Year-End Report with finalized tables by May 1, 2019
- Overall, another successful year for the programs
- Sector Teams in process of revamping monthly and quarterly data sharing process to ensure increased transparency and improve program monitoring