EEBC Xcel DSM Plan Review

Cheat Sheet
DSM Filing includes MANY components

**Full Filing**: Includes testimony from Xcel staff and executives; tables spreadsheets and affidavits of filing.

**DSM Plan**: "2021-2022 Demand Side Management Plan Electric and Natural Gas Public Service Company of Colorado" July 1, 2020 is the narrative of all of the programs and the executive overview

- Changes from last plan (narrative) are on page 7 of 514
Highlights of Changes:

- **Budget increase** of about $10-15 Million overall
- Many of the **same DSM products** (since 2009) are included in this Plan
- **Updated avoided costs** and technical assumptions to reflect current data including use of PLEXOS modelling for the avoided cost of energy
- **New product additions**: Electric Vehicle Critical Peak, Pricing, Peak Day Partners, and Small Commercial Building Controls
- **Beneficial Electrification** measures in Residential Heating & Cooling
- **Electric vehicle charging** management offerings under Electric Vehicle Optimization
<table>
<thead>
<tr>
<th>Technologies Added to The Following Programs:</th>
</tr>
</thead>
<tbody>
<tr>
<td>o Business Energy Assessments;</td>
</tr>
<tr>
<td>o Business HVAC+R Systems;</td>
</tr>
<tr>
<td>o Compressed Air Efficiency;</td>
</tr>
<tr>
<td>o Data Center Efficiency;</td>
</tr>
<tr>
<td>o Energy Savings Kits;</td>
</tr>
<tr>
<td>o ENERGY STAR New Homes;</td>
</tr>
<tr>
<td>o Geo-targeting Pilot;</td>
</tr>
<tr>
<td>o Home Energy Insights</td>
</tr>
<tr>
<td>o Home Energy Squad;</td>
</tr>
<tr>
<td>o Home Lighting &amp; Recycling</td>
</tr>
<tr>
<td>o Home Performance with ENERGY STAR;</td>
</tr>
<tr>
<td>o Insulation &amp; Air Sealing;</td>
</tr>
<tr>
<td>o Multifamily Buildings;</td>
</tr>
<tr>
<td>o New Construction;</td>
</tr>
<tr>
<td>o Residential Demand Response</td>
</tr>
<tr>
<td>o Residential Heating &amp; Cooling;</td>
</tr>
<tr>
<td>o School Education Kits;</td>
</tr>
<tr>
<td>o Single-family Weatherization;</td>
</tr>
<tr>
<td>o Small Business Solutions;</td>
</tr>
<tr>
<td>o Strategic Energy Management.</td>
</tr>
</tbody>
</table>
Other Changes:

- **Consolidation of standalone products** which are still offered in the 2021-22 DSM Plan under holistic, umbrella products including:
  
  - Commercial Refrigeration Efficiency;
  - Cooling;
  - Heating Efficiency;
  - Lighting – Small Business;
  - Motor & Drive Efficiency;

  - Recommissioning;
  - Evaporative Cooling;
  - High Efficiency Air Conditioning;
  - Residential Heating;
  - Water Heating.

- Launch of **Residential Battery Demand Response pilot**.
- Continuation of **Geo-targeting pilot**.
- **Natural gas program expenditures have increased** relative to the 2019-2020 DSM Plan to approximately $18 million (2x+ the minimum spend requirement.)
- **Elimination** of the ENERGY STAR Retail Products Platform Pilot.
Third Party Contracting Opportunities
See Table 2b: 2021-22 Products with Third-Party Implementers; for status of RFP and Contract type. (p 13)

Program Budgets by Category
See Table 4b. 2021 Electric DSM Costs by Category; and Gas Costs by Category

See Appendix H in the DSM Plan; starting at Page 343 of 514
The Technical Reference Manual (TRM) section contains the deemed savings technical assumptions and forecasts for the direct savings products in the DSM portfolio. The deemed savings technical assumptions describe the calculation methodology and assumptions that will be used to determine actual savings, costs, and other values for each product rebate.
Residential Programs Budgets: Electric 2021

- School Education Kits: 6.9%
- Energy Star New Homes: 9.7%
- General Advertising-Res: 2.8%
- Home Energy Insights: 13.8%
- Home Energy Squad: 3.5%
- Home Lighting & Recycling: 15.1%
- Refrigerator & Freezer Recycling: 3.9%
- Insulation & Air Sealing: 0.8%
- Multifamily Buildings: 10.1%
- Residential Heating & Cooling: 32.5%
Low Income Programs Budgets: Electric 2021

- Energy Savings Kit: 7.8%
- Multifamily Weatherization: 23.3%
- Single-Family Weatherization: 46.2%
- Non-Profit: 22.7%
Demand Response Programs Budgets: Electric

- Residential Demand Response: 76.7%
- Residential Battery Demand Response: 8.8%
- Peak Partner Rewards: 8.8%
- Peak Day Partners: 5.4%
- Electric Vehicle Optimization: 5.4%
- Electric Vehicle Critical Peak Pricing: 1.6%
- Small Commercial Building Controls: 2.3%

Total: 100%
Education & Training Programs Budgets: Electric 2021

- Partners in Energy: 11.7%
- Home Energy Audit: 5.1%
- Energy Efficiency Finance: 2.7%
- Energy Benchmarking: 1.4%
- Business Education: 2.2%
- Business Energy Analysis: 14.5%
- Consumer Education: 12.3%
- Education/Market Transformation: 50.0%