

EEBC Xcel DSM Plan Review

Cheat Sheet



XCEL ENERGY DSM PLAN: 101 TUTORIAL

TIPS: What To Review Concerning Your Industry Rebate/Measure Section(s)

Review the Executive Summary, Tables, Budgets, and Measures/Rebate Program sections

- Look carefully over the Descriptions and Budgets
- Narratives that might be different from the 2019-2020 DSM Plan
Example: HVAC Nate Certification was omitted in update versus prior Plan

Look at core assumptions that are causing changes

- Major contextual Items

How much is allocated spending on your incentives, programs, and products in the 2021-2022 DSM Plan compared to the 2019-2020 DSM Plan?

Review changes that may add 'New Technology' to your Program

Make sure that language is *not* different than in the last DSM Plan

If new measures are being added, look at the 'Technical Section'

- Technical TRM calculations are overwhelming!

Electric and Gas budgets saving will be split— *check out both budgets*

Understand how Xcel Energy is crunching it's numbers.

- How does Xcel Energy create calculations for calculating deemed saving?



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DSM PLAN [STARTING POINT] PAGE NUMBERS IDENTIFIED BY MEMBERS

INSULATION, AIR SEALING, & EFFICIENCY PROGRAMS

- 17-25 | Efficiency Program Budgets (Executive Summary)
- 56 | Custom Efficiency Product Offerings: Lighting, window, cooling, lighting, controls, and more
- 99 | Residential Program
- 100 | Residential Program Product Rankings
- 104-106 | 2021 Electric Residential Program Budgets and Targets [TABLE]
- 115 | Product-Specific Policies
- 123 | Home Energy Squad
- 134 | Insulation and Air Sealing Rebate
- 136 | CAZ Testing
- 136 | AirSealing
- 168 | Weatherization
- 188 | EE financing, insulation, air sealing, HVAC, HPwES
- 192 | Home Energy Audit
- 193 | Infrared Audit
- 223 | M&V Table
- 333 | Product Rankings

HEAT PUMPS (HP) | Air Source (ASHP), Ground Source (GSHP), Water Heater (HPWH), Multi-Source Heat Pumps (MSHP)

- 145-150 | Heat Pumps Residential Heating & Cooling Program
- 145-146 | Definitions
- 147 | Look at WCC
- 150 | Checkout certification after Jan 1, 2021
- 151 | No Cooling Rebate [not sure why, since these units are very efficient]
- 415 | MSHP EFLHH Review the references
- 420 | Review Technical Assumptions
- 512 | Residential HVAC Rebate Changes [Table]



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



Technologies Added to The Following Programs:

- o Business Energy Assessments;
- o Business HVAC+R Systems;
- o Compressed Air Efficiency;
- o Data Center Efficiency;
- o Energy Savings Kits;
- o ENERGY STAR New Homes;
- o Geo-targeting Pilot;
- o Home Energy Insights

- o Home Energy Squad;
- o Home Lighting & Recycling
- o Home Performance with ENERGY STAR;
- o Insulation & Air Sealing;
- o Multifamily Buildings;
- o New Construction;
- o Residential Demand Response

- o Residential Heating & Cooling;
- o School Education Kits;
- o Single-family Weatherization;
- o Small Business Solutions; and
- o Strategic Energy Management.

Other Changes:

- **Consolidation of standalone products** which are still offered in the 2021-22 DSM Plan under holistic, umbrella products including:

<ul style="list-style-type: none">o Commercial Refrigeration Efficiency;o Cooling;o Heating Efficiency;o Lighting – Small Business;o Motor & Drive Efficiency;	<ul style="list-style-type: none">o Recommissioning;o Evaporative Cooling;o High Efficiency Air Conditioning;o Residential Heating; ando Water Heating.
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- 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

Technical Reference Manual

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.