

➤ **Summary of 60-Day Notice: Corrections to 2017/2018 DSM Plan**

The following 60-Day Notice summarizes the Company's action to correct errors identified in the technical assumptions, deemed savings, and product write-ups identified after approval of the 2017/2018 DSM Plan during implementation.

The Company is including with this Notice redlined corrections to the Deemed Savings worksheets, a corrected version of the Technical Assumptions worksheet, and corrected product write-ups if applicable. No updates to the Cost-Benefit Analyses were necessary to effectuate these changes.

A copy of this notice is available on our website at:

<http://www.xcelenergy.com/Company/Rates & Regulations/Filings/Colorado Demand-Side Management>

Corrections for the High Efficiency Air Conditioning Product

1. Remove formulas to calculate EER when not provided by the customer.
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet.
2. Removed redundant equations.
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet
3. Correct GSHP SEER assumption calculation to be equal to the customer provided EER.
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet.
4. Use the AHRI-stated heating capacity BTU's as the calculation for GSHP size
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet.
5. GSHP energy savings calculations for heating and cooling loads are more clearly defined.
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet
6. Peak coincident factor for GSHP heating savings corrected in electric forecast
 - a. See corrected Technical Assumptions worksheet.
7. Split GSHP incremental costs between cooling and heating portions
 - a. See corrected Technical Assumptions worksheet.
8. Add table for incremental capital costs for early retirement measures.
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet.
9. Correct minimum Quality Install cost to \$75.
 - a. See corrected Technical Assumptions worksheet.
10. Correct Mini-Split Heat Pump Incremental Cost table to accurately reflect the cost per ton, rather than the entire incremental cost.
 - a. See redlined High Efficiency Air Conditioning Deemed Sheet.

Corrections for the Commercial Heating Product

1. Correct formulas to eliminate division by the efficiency of the new measure.
 - a. See redlined Commercial Heating Deemed Sheet.

Corrections for the Commercial Refrigeration Product

1. Add formulas and variables for Energy Star rated dishwashers to deemed savings sheet.
 - a. See redlined Commercial Refrigeration Efficiency Deemed Sheet.
2. Separate LED Case lighting measures into T12 and T8 baselines.
 - a. See corrected Technical Assumptions worksheet.
3. Add formulas and variables for kitchen demand controlled ventilation to deemed savings sheet.
 - a. See redlined Commercial Refrigeration Efficiency Deemed Sheet.
4. Add kW, kWh, Dth per HP values by zone to Deemed Tables.
 - a. See redlined Commercial Refrigeration Efficiency Deemed Sheet.
5. Update weather zones for kitchen demand controlled measure
 - a. See redlined Commercial Refrigeration Efficiency Deemed Sheet.

Corrections for the Computer Efficiency Product

1. Correct formula to accurately calculate the energy savings between the baseline and efficient measure.
 - a. See redlined Computer Efficiency Deemed Sheet.
2. Correct formula to accurately calculate the energy savings between the baseline and efficient virtualization measure.
 - a. See redlined Computer Efficiency Deemed Sheet.
3. Correct formula to accurately calculate the demand reduction savings between the baseline and efficient measure.
 - a. See redlined Computer Efficiency Deemed Sheet.

Corrections for the EnergyStar® New Homes Product

1. The correction being made is in the values used to calculate the home size adjustment factor. The function which was used to derive the table of values was not referencing the entire data set and resulted in errors in the calculated adjustment factors. The incremental cost of a project is estimated in two steps; the first is the cost per square foot for an average home based on the percent of improvement and second this cost per square foot value is modified by the home size adjustment factor. The reason for the adjustment is to improve accuracy of the cost estimate due to economies of scale realized as a home size increases.
 - a. See redlined EnergyStar® New Homes Deemed Sheet.

Corrections for the Evaporative Cooling Product

1. Correct measure description to remove the word “Replacement” from the Tier 3 measure.
 - a. See corrected Technical Assumptions worksheet.

Corrections for the Home Performance with EnergyStar® Product

1. Correct formula to use correct demand reduction savings value for programmable thermostats.
 - a. See redlined Home Performance with EnergyStar® Deemed Sheet.
2. Correct rebate level for Clothes washer to \$30.
 - a. See corrected Technical Assumptions worksheet.

Corrections for the Lighting Efficiency Product

1. Correct kW and kWh factors in deemed savings.
 - a. See redlined Lighting Efficiency Deemed Sheet.

Corrections for the Low Income Single Family Weatherization Product

1. Add reference to Home Energy Squad for “Water Heater Blanket” measure.
 - a. See redlined Low Income Single Family Weatherization Deemed Sheet.
2. Correct customer energy savings value for “Refrigerator Recycling” and “Refrigerator Replacement” measures.
 - a. See redlined Low Income Single Family Weatherization Deemed Sheet.
3. Add missing furnace size value for mobile homes and site-built homes.
 - a. See redlined Low Income Single Family Weatherization Deemed Sheet.
4. Add reference to weather zone Alamosa.
 - a. See redlined Low Income Single Family Weatherization Deemed Sheet.
5. Correct incremental measure costs for direct-install “Showerhead”, “Bathroom Aerator”, and “Kitchen Aerator” measures, which incorrectly linked to standalone measure costs.
 - a. See redlined Low Income Single Family Weatherization Deemed Sheet.

Corrections for the Small Business Lighting Product

1. Correct rebate values for area lighting, pin-based compact fluorescent lamp, direct install lamps.
 - a. See corrected Technical Assumptions worksheet.
2. Correct kW and kWh Factors referenced in B48 and C48 of deemed savings.
 - a. See redlined Small Business Lighting Deemed Sheets.
3. Correct “Average Baseline Product Cost” for various direct install “Lamp” measures.
 - a. See corrected Technical Assumptions worksheet.
4. Correct mention of weather stripping, pre-rinse spray valves, and showerheads as direct install measures for the product
 - a. See redlined Small Business Lighting product write-up.

Corrections for the Cooling Efficiency Product

1. Correct incremental O&M cost for Direct Evaporative Pre-Cooling (DEPACC) measure. The correction was made in one place but it was missed in the Deemed Sheet.
 - a. See redlined Cooling Efficiency Deemed Sheet.