

## ➤ **Summary of 60-Day Notice: Commercial Lighting**

Public Service Company of Colorado (“Public Service” or “the Company”) posts this 60-day notice to add a new measure, LED PL Lamps, to the Lighting Efficiency and Small Business Lighting products and add eligible lamp types to the Lighting-Small Business Direct Install offering in the 2016 DSM Plan. These measures have been evaluated and identified as being cost-effective. The Company is also seeking to include rebates for retrofitting fluorescent T12 fixtures and lamps to LED technology for a limited time from July 16, 2016 through December 31, 2018

The Company proposes this 60-Day Notice to make the following changes:

### **1. LED PL Lamps**

The company will add prescriptive rebates for Pin-based (PL) LED lamps. This measure is designed for a one-for-one lamp replacement of compact fluorescent lamps in commercial and industrial indoor ceiling applications. The newly installed lamps must meet the product specification requirements during the 2016 program year and will be found on the Designlights Consortium (DLC) Qualified Products List (QPL) starting January 1, 2017. The Company is forecasting these changes will lead to additional, cost-effective energy savings during 2016, as shown in Tables 1 and 2 below.

### **2. LED Linear Lamp Replacement Expanded**

The company will add prescriptive rebates for four foot LED type B linear tubes. Based off of high customer demand through the Custom Efficiency product, customers have demonstrated a clear desire for this product in the market as a preferred energy efficiency solution. This measure is a one-for-one replacement of fluorescent technology in interior spaces of commercial buildings and new construction buildings. The newly installed systems must be found on the DLC’s QPL. Only qualified new tubes that are replacing fluorescent systems will be eligible for a rebate.

### **3. Direct Install LED Lamp Additions and Updated Technical Assumptions**

The company will add four eligible LED lamp types to the Direct Install offering to better meet the needs of small business customers. Updated lamp wattages and costs were made to reflect current market conditions. Customers with an annual peak demand of less than 100 kW qualify for participation in the direct install component of the Lighting –Small Business product. While onsite for the lighting assessment, the third-party implementer performs free installation of several energy savings measures including select screw-in LED lamps and aerators in public restrooms and kitchen sinks. The Direct Install offering launched September 1, 2015. Since the launch many customers eligible and interested in participating in the program are excluded due to the fact that their lamps do not qualify for the program. Expanding the list of eligible LED lamp types will better ensure fair participation for more commercial customers who pay into the efficiency program.

### **4. T12 Limited Time Rebates**

Colorado Lighting Efficiency and Small Business Lighting programs will offer limited time rebates for retrofitting fluorescent T12 fixtures and lamps to LED technology. Through the Colorado 2015 Market Assessment conducted by The Cadmus Group, T12 systems had the same market saturation in 2015 as found in the 2005 Colorado market potential study. Based on these findings, a recommendation to offer T12 incentives was proposed. The approach to market will use the existing prescriptive rebate program processes. The proposed duration of the limited time offer is intended to be July 1, 2016 through December 31, 2018 if also approved in the 2017/2018 DSM Plan.

Customers with buildings 10,000 square feet and less have been identified to have the majority of T12 fixtures installed. Small business customers will be targeted through the Small Business Lighting Program by implementing various campaign tactics along with targeting customers through previously completed lighting assessments.

**Table 2: Summary of Forecasted Notice Impacts: *Lighting Efficiency***

Lighting Efficiency	T12	PL Lamps	Lighting Efficiency Product – 2016	
	2016	2016	As Filed (modified by prior 60-Day Notices)	Revised per 60-Day
Electric Savings (Net Gen kWh)	816,445	72,520	90,102,633	90,919,079
Electric Demand Reduction (Net Gen kW)	133	14	14,110	14,243
Budget* (\$)	\$127,425	\$4,725	\$12,437,037	\$12,569,187
MTRC Test Ratio	1.87	2.99	1.92	1.92

\*Rebates only. While the anticipated expenditure impacts are forecasted, the Company acknowledges that this Notice does not change the filed budget.

**Table 2: Summary of Forecasted Notice Impacts: *Lighting – Small Business***

Lighting – Small Business	T12	PL Lamps	DI Lamps	Lighting – Small Business Product – 2016	
	2016	2016	2016	As Filed (modified by prior 60-Day Notices)	Revised per 60-Day
Electric Savings (Net Gen kWh)	561,054	8,123	1,999,751	18,221,817	20,790,746
Electric Demand Reduction (Net Gen kW)	99	2	264	2,740	3,104
Budget* (\$)	\$144,813.57	\$1,337.28	\$341,542.69	\$3,625,780	\$4,113,473.55
MTRC Test Ratio	1.52	2.02	1.49	1.59	1.54

\*While the anticipated expenditure impacts are forecasted, the Company acknowledges that this Notice does not change the filed budget.

Included with this Notice, are the following documents:

- Revised Lighting Efficiency Deemed Savings Technical Assumptions;
- Revised Lighting Efficiency Electric Forecast Summary;
- Revised Lighting – Small Business Deemed Savings Technical Assumptions; and
- Revised Lighting – Small Business Electric Forecast Summary.

These documents can be found on our website at the following link:

[http://www.xcelenergy.com/Company/Rates\\_&Regulations/Filings/Colorado\\_Demand-Side\\_Management](http://www.xcelenergy.com/Company/Rates_&Regulations/Filings/Colorado_Demand-Side_Management)