



# Technical Conference

Docket No. 19-035-T01

March 26, 2019





# Today's Agenda

1. Suspension Order Items
2. Questions from Utah Clean Energy / Southwest Energy Efficiency Project

# Suspension Order Items



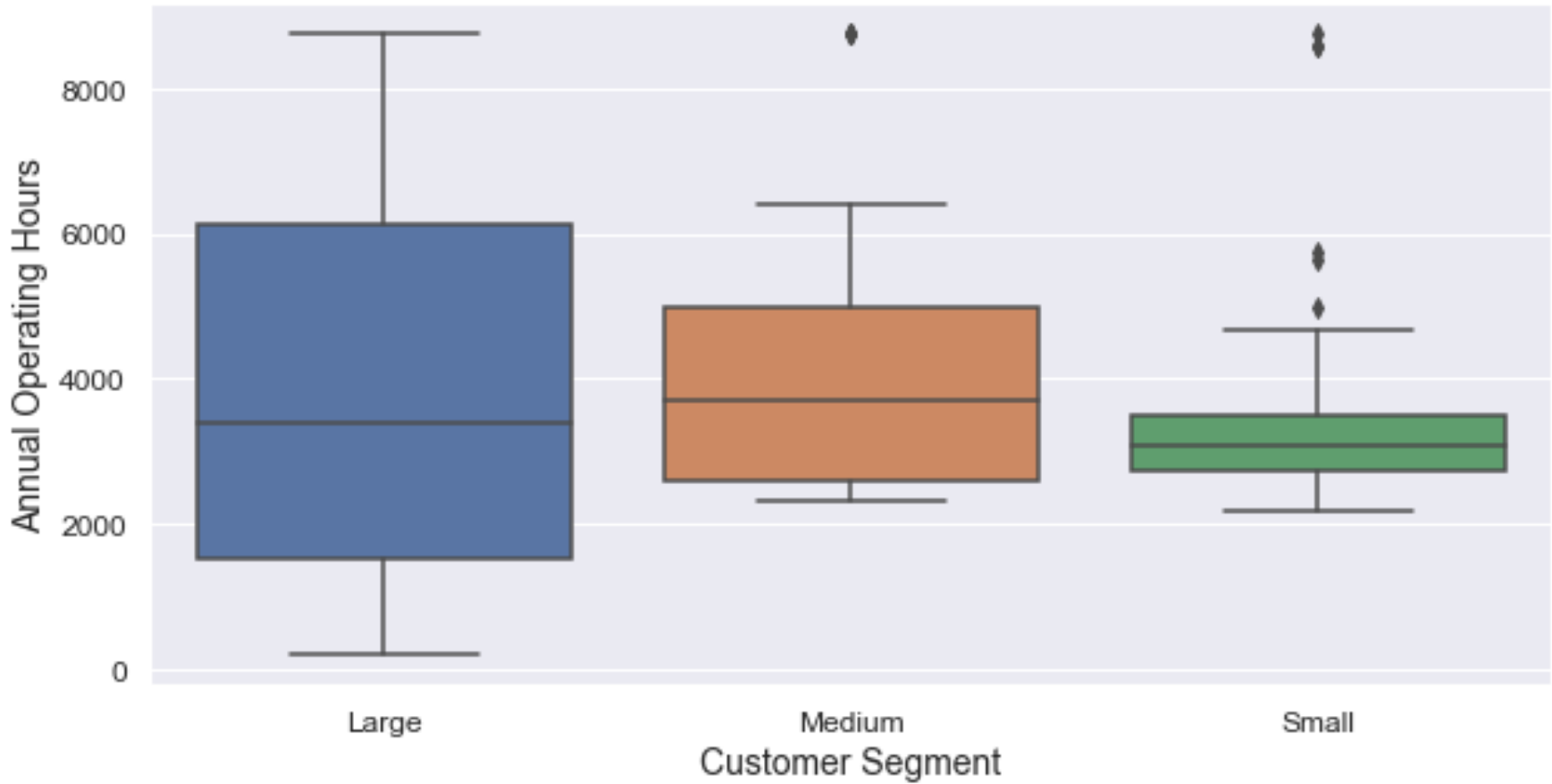
The Commission's Suspension Order, issued March 8, 2019, requested that the Company supplement the record by providing additional analysis to support the Company's assertions that the proposed tariff adjustments will provide:

1. the same level of participation among high-hour facilities;
2. increased participation among lower-hour facilities;
3. the same average incentive levels for high-hour facilities; and
4. decreased incentives for extremely-high-hour facilities.



# Avg. Operating Hours by Segment 2016-19

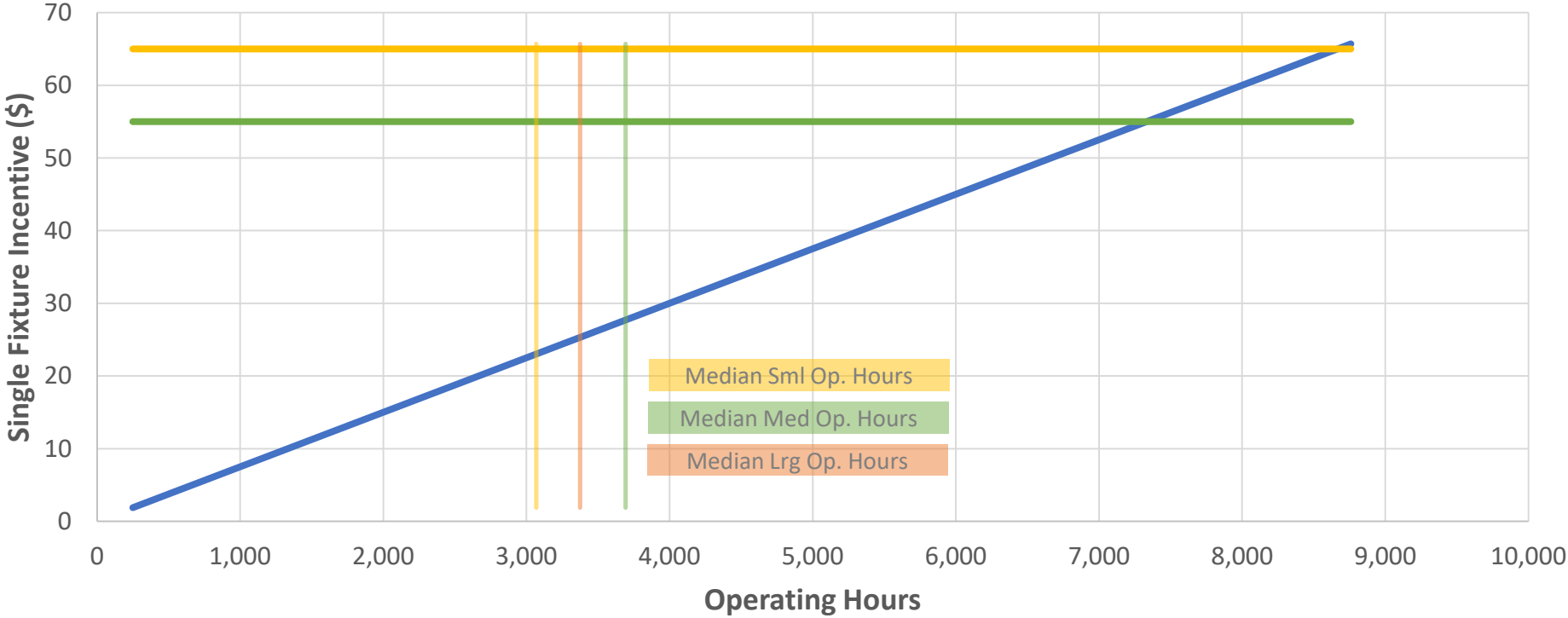
Distribution of Operation Hours per Segment





# Advanced Controls Segmented Incentive

Incentive Structure Changes by Segment with Advanced Controls



\* Incentives based on a 50 W fixture power reduction

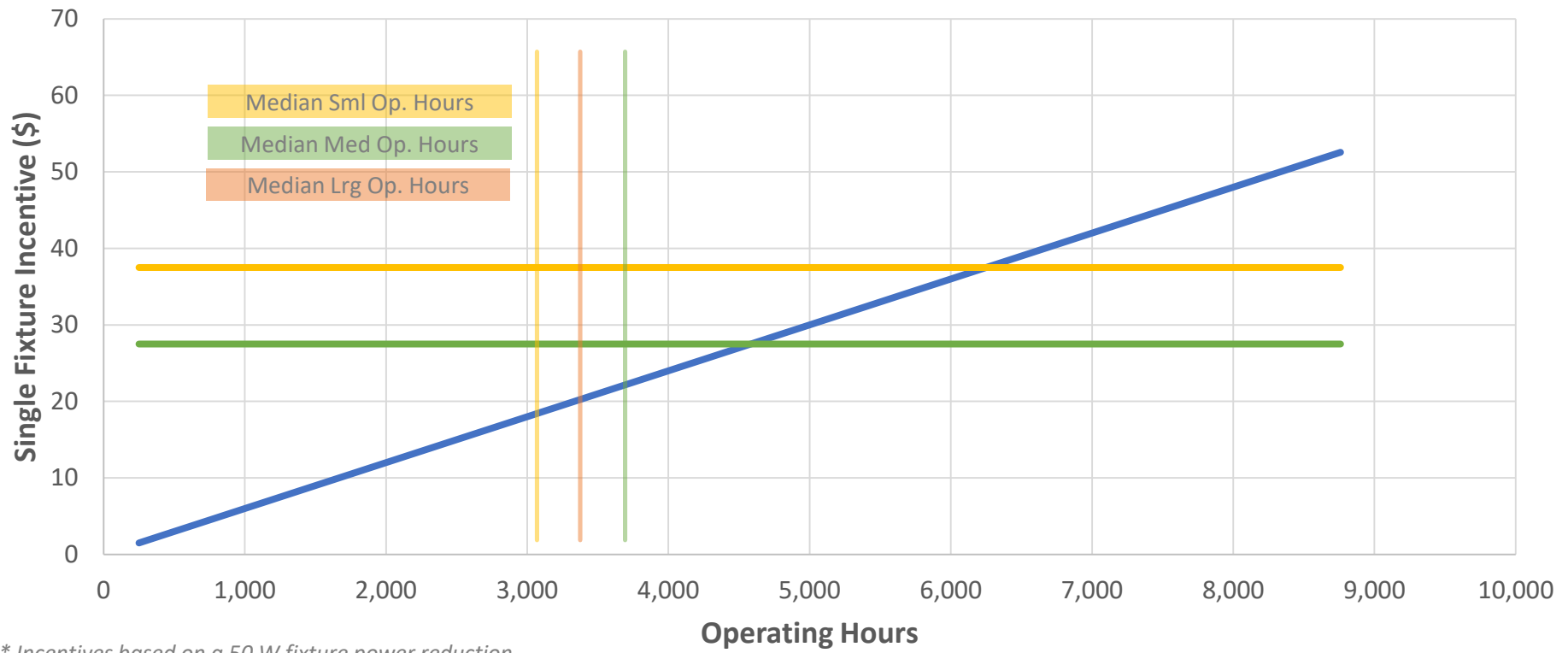
\* Incentives for measure "Int. Full Fixture Replacement w/Adv Controls"

— Old Incentive (per kWh saved)      — New Incentive Small (per W reduced)      — New Medium & Large (per W reduced)



# Basic Controls Segmented Incentive

Incentive Structure Changes by Segment with Basic Controls



\* Incentives based on a 50 W fixture power reduction

\* Incentives for measure "Int. Full Fixture Replacement w/Basic Controls"

— Old Incentive (per kWh saved)      — New Incentive Small (per W reduced)      — New Medium & Large (per W reduced)

# UCE/SWEEP Questions



On March 19, 2019, Utah Clean Energy and Southwest Energy Efficiency Project asked the following questions for the Technical Conference:

1. Please discuss the Company's decision to only provide incentives for customers who install both lighting retrofits and lighting controls. Include a discussion of the impact of this choice on forecasted participation levels, savings, and cost effectiveness.
2. Describe the functionalities included in basic and advanced lighting controls.
3. Please present the impact of the proposed lighting incentive changes on three hypothetical/typical customers, one from each of the three proposed customer segments: small, medium, and large. Please compare the forecasted electricity savings and available incentives for each customer type under the old incentive structure and under the proposed new incentive structure.

# UCE/SWEEP Question 2



Describe the functionalities included in basic and advanced lighting controls

- Advanced Controls:
  - At least two control strategies
  - Networking with other fixtures and building operating systems
- Basic Controls:
  - One or two control strategies
  - Not networked
- Further detail in Lighting Catalogue online:  
<https://www.rockymountainpower.net/bus/se/utah/il/lighting/lr.html>



# UCE/SWEEP Question 3



Please present the impact of the proposed lighting incentive changes on three hypothetical/typical customers, one from each of the three proposed customer segments: small, medium, and large. Please compare the forecasted electricity savings and available incentives for each customer type under the old incentive structure and under the proposed new incentive structure.

<u>Baseline</u>	Savings		Customer Costs		Incentives	
	2019	2020	2019	2020	2019	2020
<i>Measure Category</i>						
Lighting - Small	1,200,000	1,242,000	\$ 540,000	\$ 553,311	\$ 118,800	\$ 122,958
Lighting - Med	4,200,000	4,347,000	\$ 1,806,000	\$ 1,850,518	\$ 441,000	\$ 456,435
Lighting - Large	28,000,000	28,980,000	\$ 11,480,000	\$ 11,762,982	\$ 3,080,000	\$ 3,187,800
<b>Total</b>	<b>33,400,000</b>	<b>34,569,000</b>	<b>\$ 13,826,000</b>	<b>\$ 14,166,811</b>	<b>\$ 3,639,800</b>	<b>\$ 3,767,193</b>

<u>Proposed (Offered Incent)</u>	Savings		Customer Costs		Incentives	
	2019	2020	2019	2020	2019	2020
<i>Measure Category</i>						
Lighting - Small	3,360,000	3,477,600	\$ 1,512,000	\$ 1,549,271	\$ 369,600	\$ 382,536
Lighting - Med	8,820,000	9,128,700	\$ 3,792,600	\$ 3,886,088	\$ 943,740	\$ 976,771
Lighting - Large	42,000,000	43,470,000	\$ 17,220,000	\$ 17,644,473	\$ 4,326,000	\$ 4,477,410
<b>Total</b>	<b>54,180,000</b>	<b>56,076,300</b>	<b>\$ 22,524,600</b>	<b>\$ 23,079,831</b>	<b>\$ 5,639,340</b>	<b>\$ 5,836,717</b>

<u>Incremental</u>	Savings		Customer Costs		Incentives	
	2019	2020	2019	2020	2019	2020
<i>Measure Category</i>						
Lighting - Small	2,160,000	2,235,600	\$ 972,000	\$ 995,960	\$ 250,800	\$ 259,578
Lighting - Med	4,620,000	4,781,700	\$ 1,986,600	\$ 2,035,570	\$ 502,740	\$ 520,336
Lighting - Large	14,000,000	14,490,000	\$ 5,740,000	\$ 5,881,491	\$ 1,246,000	\$ 1,289,610
<b>Total</b>	<b>20,780,000</b>	<b>21,507,300</b>	<b>\$ 8,698,600</b>	<b>\$ 8,913,020</b>	<b>\$ 1,999,540</b>	<b>\$ 2,069,524</b>