

## DOCKETED

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<b>Project Title:</b>	2019 Title 24, Part 6, Building Energy Efficiency Standards Rulemaking
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<b>Document Title:</b>	CEA Lighting Alterations Summary Sheet
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Model ID	Assumptions			Per Unit Electricity Use			Statwide Electricity Savings				Percent Different Compared to Baseline
	Method 2: LPD Threshold	Method 3: Input Power Reduction Required	Method 3: 5000 sf threshold applied? (Y,N)	Method 1	Method 2	Method 3	Option 1: All projects	Option 2: All projects	Option 3: All projects	Blended	
1	85%	35%/50%	N	1.23	1.13	1.11	336	388	398	364	
2	85%	35%	N	1.23	1.13	1.34	336	388	283	336	-7.7%
3	85%	40%	N	1.23	1.13	1.23	336	388	332	348	-4.4%
4	85%	45%	N	1.23	1.13	1.13	336	388	382	360	-1.1%
5	85%	50%	N	1.23	1.13	1.03	336	388	432	372	2.2%
6	85%	35%/50%	Y	1.23	1.13	1.11	336	388	398	361	-0.8%
7	85%	35%	Y	1.23	1.13	1.34	336	388	283	359	-1.4%
8	85%	40%	Y	1.23	1.13	1.23	336	388	332	360	-1.1%
9	85%	45%	Y	1.23	1.13	1.13	336	388	382	361	-0.8%
10	85%	50%	Y	1.23	1.13	1.03	336	388	432	362	-0.5%
11	80%	35%/50%	N	1.23	1.06	1.11	336	419	398	372	2.2%
12	80%	35%	N	1.23	1.06	1.34	336	419	283	344	-5.5%
13	80%	40%	N	1.23	1.06	1.23	336	419	332	356	-2.2%
14	80%	45%	N	1.23	1.06	1.13	336	419	382	368	1.1%
15	80%	50%	N	1.23	1.06	1.03	336	419	432	380	4.4%
16	80%	35%/50%	Y	1.23	1.06	1.11	336	419	398	376	3.3%
17	80%	35%	Y	1.23	1.06	1.34	336	419	283	374	2.7%
18	80%	40%	Y	1.23	1.06	1.23	336	419	332	375	3.0%
19	80%	45%	Y	1.23	1.06	1.13	336	419	382	376	3.3%
20	80%	50%	Y	1.23	1.06	1.03	336	419	432	377	3.6%
21	75%	35%/50%	N	1.23	0.99	1.11	336	451	398	380	4.4%
22	75%	35%	N	1.23	0.99	1.34	336	451	283	352	-3.3%
23	75%	40%	N	1.23	0.99	1.23	336	451	332	364	0.0%
24	75%	45%	N	1.23	0.99	1.13	336	451	382	376	3.3%
25	75%	50%	N	1.23	0.99	1.03	336	451	432	388	6.6%
26	75%	35%/50%	Y	1.23	0.99	1.11	336	451	398	391	7.4%
27	75%	35%	Y	1.23	0.99	1.34	336	451	283	389	6.9%
28	75%	40%	Y	1.23	0.99	1.23	336	451	332	390	7.1%
29	75%	45%	Y	1.23	0.99	1.13	336	451	382	391	7.4%
30	75%	50%	Y	1.23	0.99	1.03	336	451	432	392	7.7%

1.6% Average

2.2% Median

Notes:

Values obtained by using T2 - CEEA Tool V1.0b, which is a modified version of the tool provided by Energy Solutions on behalf of the Statwide Utility Codes and Standards team (T1 - Utility Tool V1.0a).

CEEA modified the tool to allow for modeling of alternative Method 2 LPD thresholds and distribution of projects following each compliance path (V1.0a.1)

When 5000 sf threshold applied, distribution of projects following each compliance path changes to 51%-Option1 (same), 46%-Option 2, 2.2%-Option 3.

Based on CBECS 2012 data - 5000 sf and smaller buildings constitute 9.2% of the floorstock

Projects that previously took Option 3 and that do not now qualify (buildings over 5000 sf) are assumed to choose Option 2.

Multilevel control savings added for small and large office buildings for vintages: 2013, 2016, 2019

In the tool, lighting profiles set to 2016 values.

     Selected for code change proposal - draft language