

SCE Response to

CPUC Comments on SWCR003-01 High Efficiency Motor Retrofit for a Refrigerated Display Case

Lead PA: SCE

Workpaper Submittal Date: 3/16/2020

CPUC Review Date: 3/26/2020

SCE Response Date: 3/30/2020

Please note responses to comments in the table below, revise workpaper, and upload the entire package to the WPA by 3/27/2020. If needed, please reach out to ExAnte team to set up a call to

CPUC Comment	PA Response
It seems like the second energy intensity model used to estimate savings uses results from SCE's market study. Why is the number of motors for low and medium temperature cases in the second energy intensity model not same as the number used in the market study simulation model? – See screen shots below.	<p>The workpaper used the DEER2020 Supermarket prototype for its calculation. Its calculations applied the energy efficiency of the baseline and measure fans/motors to this DEER2020 prototype.</p> <p>There is a small difference (<4%) between the number of motors in ET study and workpaper. This could be attributed to the author's use of a different DEER prototype/vintage than the correct one used in the workpaper calculations. DEER Prototypes do not provide the number of motors in the cases but the length of cases and number of doors.</p>

discuss.

Number of Motors for Low and Medium Temperature Display Cases²⁰

Display case type	# of motors for all the cases in DEER prototype (Grocery, vintage 2007)
Medium Temperature	162
Low Temperature	174

major parameters of the DEER grocery store model used.

TABLE 9. EQUEST MODEL CHARACTERISTICS	
FIELD	VALUE
Prototype Name	DEER Grocery
Area	50,000 sq. ft.
Occupied Hours	6AM to 10PM, 7 days a week
Lighting Power Density	2.0 W/SF
HVAC System Type	Packaged AC
Refrigerant	R-507
Refrigeration System Type	Multiplex
Number of Suction Groups	2 (LT & MT)
Number of LT Cases	5
Number of LT Case Motors	169
Number of MT Cases	10
Number of MT Case Motors	156