Revised Disposition For Workpapers Covering Exterior LED Lighting Fixtures

California Public Utilities Commission, Energy Division

June 2, 2017

**Summary**

Commission staff issued a Phase 1 disposition covering exterior LED lighting on March 1, 2017[[1]](#footnote-1). Subsequently, Commission staff issued a draft document intended to clarify direction to the PAs to develop a standard practice baseline for Normal Replacement (NR) and Replace-on-Burnout (ROB) measures[[2]](#footnote-2). Commission staff has chosen to delay direction for development of a standard practice baseline and waives any further review of the baselines and measure definitions included in the submitted workpapers. Commission staff will be issuing formal direction for baseline development in time for incorporation into workpapers for the 2018 program year.

The Phase 1 disposition also included direction for revision of savings calculations to use consistent methods across all workpapers. This direction is still applicable. Commission staff directs the PAs to revise and resubmit all workpapers with an effective date of January 1, 2017. Direction on savings calculations included in the Phase 1 disposition is included below. This direction covers workpapers submitted by SCE, however, all PAs are required to follow this direction when developing their own workpapers for similar measures.

# Use Ex Ante Approved Annual Hours of Use (SCE17LG114 and SCE17LG120)

Savings are calculated using a basis of 4,380 operating hours per year. Revise all calculations to start with a basis of 4,100 operating hours which is the ex ante approved value. The value of 4,380 was part of an interim approval of a single third party workpaper submitted by PG&E for the 2013-2014 program cycle. CPUC staff waived review of this workpaper, granting it interim approval. The operating hours of 4,380 were added to the ex ante database so that EULs for the interim approved measures could be properly documented in the database. However, CPUC staff never intended for this value to be used in other workpapers.

# Use Consistent Hours of Use Reductions for Both Workpapers

SCE17LG114 covers lighting fixtures that are not required by Title 24 to include motion sensors. Therefore a large portion of the savings results from reduced hours of use in addition to the lower fixture power. SCE17LG120 covers lighting fixtures that are required by Title 24 to include motions sensors. In this case the only savings results from the reduced fixture power and larger hours of use result in more savings. CPUC staff directs SCE to use only one method for calculating operating hours for fixtures equipped with motions sensors and to apply that method in both workpapers. Revise impacts for both workpapers to incorporate 4,100 annual basis operating hours as well as a single, uniform method to account for reduced operating hours due to motion sensors.

SCE17LG114:

Basis operating hours: 4,380

Operating hours with controls: 4,380/2 + 4,380/2 \* 0.35 = 2.956.5

Using correct basis operating hours per 3.2 above: 4,100/2 + 4,100/2 \* 0.35 = 2,767.5

SCE17LG120:

Basis operating hours: 4,380

Operating hours with controls: 4,380 \* 0.85 = 3,723

Using correct basis operating hours per 3.2 above: 4,100 \* 0.85 = 3,485

1. “Disposition For Workpapers Covering Exterior LED Lighting Fixtures”, California Public Utilities Commission, Energy Division, March 1, 2017 [↑](#footnote-ref-1)
2. “Disposition For Workpapers Covering Exterior LED Lighting Fixtures, Clarifications of Commission Staff Baseline Direction DRAFT”, California Public Utilities Commission, Energy Division, May 10, 2017 [↑](#footnote-ref-2)