

DOCKETED

Docket Number:	17-BSTD-02
Project Title:	2019 Title 24, Part 6, Building Energy Efficiency Standards Rulemaking
TN #:	222273
Document Title:	Staff Supplement Demand Response Cleanup
Description:	Staff Supplement toCASE Report #2019-ALL-DR-F by Gabriel Taylor.
Filer:	Adrian Ownby
Organization:	California Energy Commission
Submitter Role:	Commission Staff
Submission Date:	1/19/2018 2:21:00 PM
Docketed Date:	1/19/2018

CALIFORNIA ENERGY COMMISSION

1516 NINTH STREET
SACRAMENTO, CA 95814-5512
www.energy.ca.gov



Staff Supplement to CASE Report #2019-ALL-DR-F

Date: October 20, 2017

Pages: 2

Author: Gabriel D. Taylor, P.E.

Subject: Demand Response Cleanup (Including Changes to Space Conditioning, Lighting, Energy Management, Power Distribution, and Solar Ready Sections)
Measure Number: 2019-ALL-DR-F

DESCRIPTION OF PROPOSED REGULATORY CHANGES

CASE report #2019-ALL-DR-F, titled *Demand Response Cleanup (Including Changes to Space Conditioning, Lighting, Energy Management, Power Distribution, and Solar Ready Sections)*, proposes to make the following changes to the Standards:

- Improve the clarity of the code language without changing the stringency of the standards by consolidating the demand response requirements from all sections of the code into two new sections:
 - The first proposed new section would contain all requirements for DR controls.
 - The second proposed new section would contain all requirements relating to when an Energy Management Control System can be used to comply with building control requirements.
- Harmonize the demand responsive control requirements, including requirements related to the application of open or standards-based communications protocols, by specifying OpenADR 2.0a or 2.0b as the required protocol.
- Clarify and improve the compliance and enforcement process; and
- Establish a foundation within the Title 24, Part 6 Standards, Appendices, Alternative Calculation Method Reference Manuals, and Compliance Manuals upon which additional measures that have load reshaping and ancillary service benefits can be added in future code cycles.

Staff agrees with the proposed consolidation of demand response and demand side management code into a new code section, and has incorporated substantively similar changes into the proposed Express Terms.

Staff does not agree that two new code sections are necessary for the consolidation of code language, or the creation of a new table in the new section. Staff is instead proposing a single new section in a format similar to the rest of section 110, but the consolidation is otherwise substantially similar to the proposal.

Staff agrees with the proposed specification of OpenADR 2.0a or 2.0b and incorporated substantively similar changes into the proposed Express Terms.

STAFF ANALYSIS AND CONCLUSION

Staff has analyzed the submitted CASE report and reached the following conclusions for the measures included in the Express Terms:

- Based on the evidence in the CASE Report, the measures as proposed and as revised by staff appear to maintain the cost effectiveness demonstrations of the existing code.
- The proposed code change should clarify the code requirements, increase understanding of the DR requirements, and lead to increased DR program participation. Greater participation in DR programs should benefit ratepayers by reducing utility bills and increasing reliability.
- The proposed code change is not modifying any of the code requirements, only clarifying the requirements, so there are no anticipated economic, energy savings, or environmental impacts.