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Description:	Staff Supplement to CASE Report #2019-RES-ENV3-F by Michael Shewmaker.
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***Staff Supplement to CASE Report #2019-RES-ENV3-F***

Date: 2017-10-12

Pages: 2

Author: Michael Shewmaker

Subject: Residential High Performance Windows and Doors, 2019-RES-ENV3-F

DESCRIPTION OF PROPOSED REGULATORY CHANGES

CASE report #2019-RES-ENV3-F, titled Residential High Performance Windows and Doors, proposes to make the following changes to the Standards:

- Revise the definition for ‘Door’ and ‘Glazed Door’ in Section 100.1(b) and JA1 to reduce the permissible glazed area from 50% to 25%/
- Revise the definition for ‘Fenestration Area’ in Section 100.1(b) and JA1 in order to clarify the distinction between nonresidential and residential fenestration area.
- Add a new definition to Section 100.1(b) for ‘Door Area’ in order to clarify what is considered the door area.
- Update TABLE 150.1-A and TABLE 150.1-B by changing the prescriptive U-factor to 0.30 for all climate zones, and SHGC to a maximum of 0.23 for climate zones 2, 4 & 6-15 and “NR” for climate zone 16.
- Add a new requirement for doors in Section 150.1(c)5 with an exception for doors required to have fire protection.
- Align Section 150.2(a)1Biii and Exception 1 to Section 150.2(b)1B to the new SHGC requirements.

Staff agrees with the proposed changes to Section(s) 100.1(b), 150.1(c), TABLE 150.1-A, TABLE 150.1-B, 150.2(a), 150.2(b) and JA1, and have 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 presented in the CASE Report, the measures, as proposed, appear to be cost effective and the author appears to have appropriately followed the Energy Commission's Life Cycle Cost methodology.
- Measure costs premiums presented in the CASE Report appear reasonable and appropriate for the measure proposed.
- Measure energy savings presented in the CASE Report appear to have been appropriately modeled and appear credible.