

**To: Members of the State Board of
Education & Early Development**

September 17, 2020

From: Dr. Michael Johnson, Commissioner

Agenda Item: 4C

◆ ISSUE

The board is being asked to adopt proposed amendments to regulation 4 AAC 31.014, Codes and regulations for school facilities. The amendments update the energy efficiency code of the American Society of Heating, Refrigeration and Air- Conditioning Engineers (ASHRAE) from ASHRAE Standard 90.1 2010 Edition to Standard 90.1 2016 Edition.

◆ BACKGROUND

- In 2010, the legislature passed SB 237 (ch. 93, SLA 2010), requiring the Department of Education & Early Development (DEED) to institute an energy efficiency code for construction and renovations of school facilities.
- In 2012, the Bond Reimbursement & Grant Review Committee (BR&GR) recommended to the State Board that the American Society of Heating, Refrigeration and Air-Conditioning Engineers (ASHRAE) Standard 90.1 version 2010 (90.1-2010) be adopted as the state's energy efficiency standard for school capital projects with state-aid.
- The recommended energy standard was adopted by the State Board and became regulation in 2013.
- In the six years since adoption, ASHRAE has updated 90.1 every three years with versions 2013, 2016, and 2019.
- At the BR&GR's August 2019 meeting, the committee considered whether or not to update the energy efficiency code and recommends that the State Board adopt ASHRAE Standard 90.1 2016 Edition as the department's energy code.
- A copy of *ASHRAE Standard 90.1, Energy Standard for Buildings Except Low-Rise Residential Buildings (2016 Edition)* was available for review in the DEED Commissioner's Office located at 801 W 10th Street, Suite 200, Juneau, Alaska 99801.
- Behind this cover memo is the proposed amended regulation and public comment received.
- Heidi Teshner, Director of Finance and Support Services, and Tim Mearig, Facilities Manager, will be present to brief the board.

◆ OPTIONS

This is a work session item. Action will take place under Agenda Item 8C.