

ESSB 5485 - H COMM AMD

By Committee on Capital Budget

ADOPTED AS AMENDED 04/07/2011

1 Strike everything after the enacting clause and insert the  
2 following:

3 "NEW SECTION. **Sec. 1.** (1)(a) The University of Washington, led by  
4 the college of built environments, and Washington State University, led  
5 by the college of engineering and architecture, shall conduct a review  
6 of other states' existing building codes, international standards,  
7 peer-reviewed research, and models and tools of life-cycle assessment,  
8 embodied energy, and embodied carbon in building materials.

9 (b) This review must identify:

10 (i) If the standards and models are developed according to a  
11 recognized consensus-based process;

12 (ii) If the standards and models could be implemented as part of  
13 building standards or building codes; and

14 (iii) The scope of life-cycle impacts that the standards and models  
15 address.

16 (2)(a) By September 1, 2012, the University of Washington and  
17 Washington State University shall submit a report to the legislature  
18 consistent with RCW 43.01.036. In addition to providing the data  
19 required in subsection (1) of this section, the report must include  
20 recommendations to the legislature for methodologies to:

21 (i) Determine if a standard, model, or tool using life-cycle  
22 assessment can be sufficiently developed to be incorporated into the  
23 state building code;

24 (ii) Develop a comprehensive guideline using common and consistent  
25 metrics for the embodied energy and carbon in building materials; and

26 (iii) Incorporate into every project the ongoing monitoring,  
27 verification, and reporting of a building's actual performance over its  
28 life cycle.

29 (b) When developing its recommendations under this section, the  
30 University of Washington and Washington State University shall seek

1 input from organizations representing design and construction  
2 professionals, academics, building materials industries, and life-cycle  
3 assessment experts.

4 (3) For the purposes of this section, "life-cycle assessment" means  
5 manufacturing, construction, operation, and disposal of products used  
6 in the construction of buildings.

7 NEW SECTION. **Sec. 2.** (1)(a) By December 1, 2012, the department  
8 of general administration shall make recommendations to the  
9 legislature, consistent with RCW 43.01.036, for streamlining current  
10 statutory requirements for life-cycle cost analysis, energy  
11 conservation in design, and high performance of public buildings.

12 (b) The department of general administration shall make  
13 recommendations on what statutory revisions, if any, are needed to the  
14 state's energy life-cycle cost analysis to account for comprehensive  
15 life-cycle impacts of carbon emissions.

16 (2) In making its recommendations to the legislature under  
17 subsection (1) of this section, the department of general  
18 administration shall use the report prepared by the University of  
19 Washington and Washington State University under section 1 of this act.

20 NEW SECTION. **Sec. 3.** If specific funding for the purposes of this  
21 act, referencing this act by bill or chapter number, is not provided by  
22 June 30, 2011, in the omnibus appropriations act, this act is null and  
23 void."

24 Correct the title.

EFFECT: Removes the intent section;

Specifies that the University of Washington's (UW) college of built environments and Washington State University's (WSU) college of engineering and architecture are responsible for the review and recommendations to the legislature;

Modifies the requirements of the review conducted by the UW and WSU by changing what must be reviewed and the types of recommendations the UW and WSU must make to the legislature;

Removes the requirement that the study be conducted in conjunction with a nonprofit consortium and in consultation with the state building code council;

Defines "life-cycle assessment";  
Specifies that the report submitted by the department of general  
administration (GA) must be submitted to the legislature by December 1,  
2012, and requires the GA to consider the report submitted by the UW  
and WSU; and  
Adds a null and void clause.

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