

CERTIFICATION OF ENROLLMENT

ENGROSSED SUBSTITUTE SENATE BILL 5485

Chapter 341, Laws of 2011

62nd Legislature
2011 Regular Session

STATE BUILDINGS--ENERGY CONSERVATION--LIFE-CYCLE ASSESSMENT

EFFECTIVE DATE: 07/22/11

Passed by the Senate April 18, 2011
YEAS 47 NAYS 0

BRAD OWEN

President of the Senate

Passed by the House April 7, 2011
YEAS 91 NAYS 1

FRANK CHOPP

Speaker of the House of Representatives

Approved May 12, 2011, 2:30 p.m.

CHRISTINE GREGOIRE

Governor of the State of Washington

CERTIFICATE

I, Thomas Hoemann, Secretary of the Senate of the State of Washington, do hereby certify that the attached is **ENGROSSED SUBSTITUTE SENATE BILL 5485** as passed by the Senate and the House of Representatives on the dates hereon set forth.

THOMAS HOEMANN

Secretary

FILED

May 13, 2011

**Secretary of State
State of Washington**

ENGROSSED SUBSTITUTE SENATE BILL 5485

AS AMENDED BY THE HOUSE

Passed Legislature - 2011 Regular Session

State of Washington 62nd Legislature 2011 Regular Session

By Senate Environment, Water & Energy (originally sponsored by Senators Hargrove and Ranker)

READ FIRST TIME 02/16/11.

1 AN ACT Relating to maximizing the use of our state's natural
2 resources; and creating new sections.

3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

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

10 (b) This review must identify:

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

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

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

17 (2)(a) By September 1, 2012, the University of Washington and
18 Washington State University shall submit a report to the legislature

1 consistent with RCW 43.01.036. In addition to providing the data
2 required in subsection (1) of this section, the report must include
3 recommendations to the legislature for methodologies to:

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

7 (ii) Develop a comprehensive guideline using common and consistent
8 metrics for the embodied energy, carbon, and life-cycle accounting of
9 building materials; and

10 (iii) Incorporate into every project the ongoing monitoring,
11 verification, and reporting of a high performance public building's
12 actual performance over its life cycle.

13 (b) The report must include a list of any journal articles, study
14 summaries, and other scientific information reviewed by the University
15 of Washington and Washington State University in the development of the
16 report and the information relied upon by the University of Washington
17 and Washington State University in finalizing the report required under
18 (a) of this subsection.

19 (c) When developing its recommendations under this section, the
20 University of Washington and Washington State University shall seek
21 input from organizations representing design and construction
22 professionals, academics, building materials industries, and life-cycle
23 assessment experts.

24 (3) For the purposes of this section, "life-cycle assessment" means
25 manufacturing, construction, operation, and disposal of products used
26 in the construction of buildings from cradle to grave.

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

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

36 (2) In making its recommendations to the legislature under

1 subsection (1) of this section, the department of general
2 administration shall use the report prepared by the University of
3 Washington and Washington State University under section 1 of this act.

4 NEW SECTION. **Sec. 3.** If specific funding for the purposes of this
5 act, referencing this act by bill or chapter number, is not provided by
6 June 30, 2011, in the omnibus appropriations act, this act is null and
7 void.

Passed by the Senate April 18, 2011.

Passed by the House April 7, 2011.

Approved by the Governor May 12, 2011.

Filed in Office of Secretary of State May 13, 2011.