

SSB 5485 - S AMD 158

By Senators Hargrove, Rockefeller

ADOPTED 03/07/2011

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

3 "NEW SECTION. **Sec. 1.** The legislature finds that research has
4 shown the importance of reducing environmental impacts through building
5 design. The primary focus on building designs has been an attempt to
6 reduce energy requirements, primarily heating and cooling, over the
7 course of a building's lifetime. However, what has been overlooked are
8 opportunities to reduce greenhouse gas emissions and other
9 environmental impacts at earlier stages in the building and
10 construction design process. The selection of building materials and
11 products, such as using wood and wood products in the design stage,
12 provides substantial opportunities to reduce lifetime greenhouse gas
13 emissions. A key component of life-cycle cost analysis is the energy
14 expended in the extraction, transportation, manufacturing, and
15 production of the building materials being considered in the
16 construction of buildings.

17 NEW SECTION. **Sec. 2.** (1) The University of Washington, in
18 conjunction with a nonprofit consortium involved in research on
19 renewable industrial materials, in consultation with the state building
20 code council, shall conduct a review of other states' existing codes,
21 international standards, and literature on life-cycle assessment,
22 embodied energy, and embodied carbon in building materials.

23 (2) By July 2012, the University of Washington, in conjunction with
24 a nonprofit consortium involved in research on renewable industrial
25 materials, shall make recommendations to the legislature for
26 methodologies to: (1) Conduct an assessment and determine the amount
27 of embodied energy and carbon in building materials or greenhouse gas
28 emissions avoided by using building materials with low-embodied energy
29 or carbon; and (2) develop a comprehensive guideline using a common and

1 consistent metric for the embodied energy and carbon in building
2 materials. The University of Washington, in conjunction with a
3 nonprofit consortium involved in research on renewable industrial
4 materials, shall seek input from building materials industries and
5 other interested parties when developing its recommendations. The
6 department of general administration shall make recommendations for
7 streamlining current statutory requirements for life-cycle cost
8 analysis, energy conservation in design, and high performance of public
9 buildings."

SSB 5485 - S AMD

By Senators Hargrove, Rockefeller

ADOPTED 03/07/2011

10 On page 1, line 2 of the title, after "resources;" strike the
11 remainder of the title and insert "and creating new sections."

--- END ---