HOUSE RESEARCH

Bill Summary

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1 **[16.325] Sustainable Building Guidelines.**

Subd. 1. Development of sustainable building guidelines. Requires the Departments of Administration and Commerce to develop sustainable building guidelines for all major renovations of state buildings by February 1, 2009 , the goal of which is to exceed the state energy code by 30 percent.

Subd. 2. Lowest possible cost; energy conservation. Specifies that the guidelines for major renovations must achieve the lowest possible lifetime energy costs, and that the definition of "major renovations" will be left to the guidelines.

Subd. 3. Development of guidelines; applicability. Specifies that the guidelines are mandatory for all major renovations receiving funding from the bond proceeds fund after February 1, 2009 .

Subd. 4. Revisions. Requires the commissioners of administration and commerce to review the guidelines periodically based upon the performance standards developed under section 3.

2 **[216B.241] Subd. 1e.** From the assessment under this subdivision (up to $3.6 million for applied research and development grants), the commissioner may assess and grant up to $500,000 annually for the purpose of section 3.

3 **Subd. 9. Building performance standards; Sustainable Building 2030.** Requires the commissioner to contract with the Center for Sustainable Building Research at the

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University of Minnesota to develop and implement energy-efficient performance standards for new and substantially reconstructed commercial-industrial buildings, to be known as Sustainable Building 2030.

The standards must measure energy use and corresponding greenhouse gas emissions per foot for different building types, and must be updated every three to five years. The standards should be designed to achieve the following carbon emissions per square foot reductions with respect to a 2003 baseline: 60 percent by 2010; 70 percent by 2020; and 90 percent by 2025. Any performance standard must be cost-effective, as reflected in a conclusive engineering analysis.

The annual amount of the contract with the Center may be up to $500,000, of which no more than $250,000 may be spent on administration, coordination and oversight. The balance must be spent on contracts for technical projects that support the standards, including:

- RD&D of new energy-efficient technologies;
- analysis and evaluation of energy use in buildings;
- analysis of the effectiveness and cost-effectiveness of the guidelines; and
- development and delivery of training programs for architects, engineers and others in the construction industry.

The commissioner shall require utilities to develop CIP programs that result in energy savings that meet the standards. These programs must include design assistance, modeling and financial assistance. Utilities providing CIP activities that lead to meeting the standards may claim the energy savings as part of their 1.5 percent energy saving goal.

The commissioner shall report to the legislature every three years on the cost-effectiveness of progress of implementing the standards.