

Amendment to SB 489

1 Amend the bill by replacing section 1 with the following:

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3 1 Stirling Engine System; Demonstration Project; State Building.

4 I. The office of energy and planning and the department of administrative services shall
5 identify a state building or facility that would be a suitable candidate for a demonstration project for
6 installation of a Stirling engine system to provide electricity and/or heating needs for that building
7 or facility.

8 II. The goal of the demonstration project will be to ascertain the reliability, commercial
9 viability, and cost effectiveness of supplying electricity and/or heat to a state-owned building using a
10 Stirling engine system, provided that the project shall not increase the energy or heating costs of
11 operating a state building for the period of the demonstration project.

12 III. The director of the office of energy and planning, in coordination with the commissioner
13 of administrative services, shall enter into a contract, in accordance with RSA 21-I, for the
14 demonstration project to be undertaken by a willing provider of a Stirling engine system. Any such
15 contract that requires changes to the infrastructure of the state building would be at the expense of
16 the provider of the Stirling engine system. The state of New Hampshire shall negotiate a contract
17 that results in reimbursing the provider of the Stirling engine technology for electricity and/or cost
18 of heat provided at no more than the cost of the electricity and/or heat based on the current market
19 rate, or the rate under any state contract for energy, whichever is lower. At the end of the
20 demonstration project, the department of administrative services may retain any equipment
21 provided it is in the best interest of the efficient operation of the building. If the department does
22 not wish to retain the equipment, the provider shall remove the equipment at no expense to the
23 state.

24 IV. The office of energy and planning and the department of administrative services shall
25 prepare a report to the governor, the senate president, the speaker of the house of representatives,
26 and the chairman of the public utilities commission presenting the results of any demonstration
27 project no later than 6 months after the end of the project, or within 6 months after a year of data is
28 available, whichever is sooner. The report shall include any recommendations related to future use
29 of Stirling engine technology if appropriate.

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AMENDED ANALYSIS

This bill requires the office of energy and planning and the department of administrative services to undertake a demonstration project for the use of a Stirling engine system to provide electricity and/or heat to a state building.