

**ASSEMBLY BILL**

**No. 306**

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**Introduced by Assembly Member Gatto**

February 9, 2011

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An act to add and repeal Section 25325 of the Public Resources Code, relating to energy.

LEGISLATIVE COUNSEL'S DIGEST

AB 306, as introduced, Gatto. Energy: piezoelectric transducers: study.

Existing law requires the State Energy Resources Conservation and Development Commission, on a biennial basis beginning in 2003, to adopt an integrated energy policy report providing information on specified matter related to energy. Existing law creates the Alternative and Renewable Fuel and Vehicle Technology Program, to be administered by the Energy Commission, and requires the Energy Commission to expend the moneys in the Alternative and Renewable Fuel and Vehicle Technology Fund, upon appropriation by the Legislature, to implement that program.

This bill would require the Energy Commission to conduct research on the feasibility of generating electricity using piezoelectric transducers under major roadways as a renewable resource, by collaborating with the Department of Transportation to establish a pilot project that would employ piezo-based energy harvesting technology. The bill would allow the Energy Commission to expend the moneys in the Alternative and Renewable Fuel and Vehicle Technology Fund, upon appropriation by the Legislature, to implement this research as part of the Alternative and Renewable Fuel and Vehicle Technology Program. The Energy Commission would be required to report its findings in the integrated

energy policy report adopted in 2013. These provisions would be repealed on January 1, 2015.

Vote: majority. Appropriation: no. Fiscal committee: yes.  
State-mandated local program: no.

*The people of the State of California do enact as follows:*

1 SECTION 1. Section 25325 is added to the Public Resources  
2 Code, to read:

3 25325. (a) The commission shall conduct research on the  
4 feasibility of generating electricity using piezoelectric transducers  
5 under major roadways as a renewable resource pursuant to this  
6 section.

7 (b) For purposes of conducting the research required by this  
8 section, the commission shall collaborate with the Department of  
9 Transportation to establish a pilot project that would employ  
10 piezo-based energy harvesting technology on two 100 meter strips  
11 of road, one of which shall be located in Northern California and  
12 one in Southern California. The commission shall allow local  
13 public agencies that provide transportation or energy services to  
14 submit bids for these pilot projects.

15 (c) The commission may expend the moneys in the Alternative  
16 and Renewable Fuel and Vehicle Technology Fund, upon  
17 appropriation by the Legislature, to implement this section as part  
18 of the Alternative and Renewable Fuel and Vehicle Technology  
19 Program created pursuant to Section 44272 of the Health and Safety  
20 Code.

21 (d) As a part of the integrated energy policy report that is  
22 adopted in 2013, the commission shall report the findings of the  
23 research performed pursuant to subdivision (a).

24 (e) This section shall remain in effect only until January 1, 2015,  
25 and as of that date is repealed, unless a later enacted statute, that  
26 is enacted before January 1, 2015, deletes or extends that date.

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