

AMENDED IN SENATE MAY 4, 2005

**SENATE BILL**

**No. 984**

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**Introduced by Senator McClintock**

February 22, 2005

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An act to amend Section ~~25730~~ 25305 of the Public Resources Code, relating to powerplants.

LEGISLATIVE COUNSEL'S DIGEST

SB 984, as amended, McClintock. Greenhouse gas emissions reductions: powerplants.

Existing law establishes the State Energy Resources Conservation and Development Commission (Energy Commission), and requires the Energy Commission, among other things, to analyze the social, economic, and environmental consequences of trends in the consumption of energy. Existing law ~~also~~ requires the Energy Commission *to perform assessments to address public interest energy strategies. The assessments must include identification of emerging trends in energy efficiency in various sectors of the state's economy, identification of emerging trends in the renewable energy industry, identification of emerging trends in energy research, development, and demonstration activities, and identification of progress in reducing greenhouse gas emissions and addressing the effects of climate change.*

*This bill would also require an assessment of identification and comparative analysis of the life-cycle costs and environmental impacts of existing and proposed electric generation technologies, including fossil, nuclear, renewable, and hydroelectric technologies. The bill would require that the analysis be based on a survey of available data from government, academic, industry, and public sources.*

~~, in consultation with various entities, to update, by January 1, 2002, the inventory of greenhouse gas emissions from all sources located in the state, as identified in a specified report, and to acquire and develop data and information on global climate change and provide state, regional, and local agencies, utilities, business, industry, and other energy and economic sectors with information on the costs, technical feasibility, and demonstrated effectiveness of methods for reducing or mitigating the production of greenhouse gases from in-state sources. Existing law requires the Energy Commission to update its inventory every 5 years, and to report on the updated inventory to the Governor and the Legislature.~~

~~This bill would require the Energy Commission to establish an inventory of existing zero emission powerplants, including powerplants located in the state that produce electricity using wind, solar, or nuclear technology. The inventory is required to include information that compares the annual emissions of zero emission powerplants, including the amount of greenhouse gases that are avoided by zero emissions powerplants, with the annual emissions of powerplants using state-of-the-art current gas generation technology to produce electricity.~~

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 25305 of the Public Resources Code is  
2     amended to read:  
3     25305. The commission shall rely upon forecasting and  
4     assessments performed in accordance with Sections 25301 to  
5     25304, inclusive, as the basis for analyzing the success of and  
6     developing policy recommendations for public interest energy  
7     strategies. Public interest energy strategies include, but are not  
8     limited to, achieving energy efficiency and energy conservation;  
9     implementing load management; pursuing research,  
10    development, demonstration, and commercialization of new  
11    technologies; promoting renewable generation technologies;  
12    reducing statewide greenhouse gas emissions and addressing the  
13    impacts of climate change on California; stimulating California's  
14    energy-related business activities to contribute to the state's  
15    economy; and protecting and enhancing the environment.

1 Additional assessments to address public interest energy  
2 strategies shall include, but are not limited to, all of the  
3 following:

4 (a) Identification of emerging trends in energy efficiency in  
5 the residential, commercial, industrial, agricultural, and  
6 transportation sectors of the state's economy, including, but not  
7 limited to, evaluation of additional achievable energy efficiency  
8 measures and technologies. Identification of policies that would  
9 permit fuller realization of the potential for energy efficiency,  
10 either through direct programmatic actions or facilitation of the  
11 market.

12 (b) Identification of emerging trends in the renewable energy  
13 industry. In addition, the commission shall evaluate progress in  
14 ensuring the operation of existing facilities, and the development  
15 of new and emerging, in-state renewable resources.

16 (c) Identification of emerging trends in energy research,  
17 development, and demonstration activities that advance science  
18 or technology to produce public benefits.

19 (d) Identification of progress in reducing statewide greenhouse  
20 gas emissions and addressing the effects of climate change on  
21 California.

22 (e) *Identification and comparative analysis of the life-cycle*  
23 *costs and environmental impacts of existing and proposed*  
24 *electric generation technologies, including fossil, nuclear,*  
25 *renewable, and hydroelectric technologies. The analysis shall be*  
26 *based on a survey of available data from government, academic,*  
27 *industry, and public sources and shall include a comparison of*  
28 *each of the following aspects of the various technologies:*

29 (1) *Production of fuel and other raw materials.*

30 (2) *Project construction.*

31 (3) *Energy costs.*

32 (4) *Operating emissions, including greenhouse gases and*  
33 *water discharge.*

34 (5) *Transportation, storage, and disposal of waste products.*

35 (6) *Feasible methods to reduce costs and environmental*  
36 *impacts.*

37 ~~SECTION 1. Section 25730 of the Public Resources Code is~~  
38 ~~amended to read:~~

39 ~~25730. The commission, in consultation with the State Air~~  
40 ~~Resources Board, the Department of Forestry and Fire~~

1 Protection, the Department of Transportation, the State Water  
2 Resources Control Board, the California Integrated Waste  
3 Management Board, and other state agencies with jurisdiction  
4 over matters affecting climate change, shall do all of the  
5 following:

6 (a) (1) On or before January 1, 2002, update the inventory of  
7 greenhouse gas emissions from all sources located in the state, as  
8 identified in the commission's 1998 report entitled, "Appendix  
9 A: Historical and Forecasted Greenhouse Gas Emissions  
10 Inventories for California." Information on natural sources of  
11 greenhouse gas emissions shall be included to the extent that  
12 information is available. The inventory shall include information  
13 that compares emissions from similar inventories prepared for  
14 the United States and other states or countries, and shall include  
15 information on relevant current and previous energy and air  
16 quality policies, activities, and greenhouse gas emissions  
17 reductions and trends since 1990, to the extent that information is  
18 available.

19 (2) Establish an inventory of existing zero emission  
20 powerplants, including powerplants located in the state that  
21 produce electricity using wind, solar or nuclear technology. The  
22 inventory shall include information that compares the annual  
23 emissions of zero emission powerplants, including the amount of  
24 greenhouse gases that are avoided by zero emissions  
25 powerplants, with the annual emissions of powerplants using  
26 state-of-the-art current gas generation technology to produce  
27 electricity.

28 (b) Acquire and develop data and information on global  
29 climate change, and provide state, regional, and local agencies,  
30 utilities, business, industry, and other energy and economic  
31 sectors with information on the costs, technical feasibility, and  
32 demonstrated effectiveness of methods for reducing or mitigating  
33 the production of greenhouse gases from in-state sources,  
34 including net reductions through the management of natural  
35 forest reservoirs. The commission, in consultation with the State  
36 Air Resources Board, shall provide a variety of forums for the  
37 exchange of that information among interested parties, and shall  
38 provide other state agencies with information on cost-effective  
39 and technologically feasible methods that can be used to reduce  
40 or mitigate the emissions of greenhouse gases.

1 ~~(e) Update its inventory every five years using current~~  
2 ~~scientific methods, and report on the updated inventory to the~~  
3 ~~Governor and the Legislature.~~

4 ~~(d) Conduct at least one public workshop prior to finalizing~~  
5 ~~each updated inventory. The commission shall post its report and~~  
6 ~~inventory on the commission's Web page on the Internet.~~

7 ~~(e) Convene an interagency task force consisting of state~~  
8 ~~agencies with jurisdiction over matters affecting climate change~~  
9 ~~to ensure policy coordination at the state level for those activities.~~

10 ~~(f) Establish a climate change advisory committee, to the~~  
11 ~~extent that the commission determines that it can do so within~~  
12 ~~existing resources. This advisory committee shall make~~  
13 ~~recommendations to the commission on the most equitable and~~  
14 ~~efficient ways to implement international and national climate~~  
15 ~~change requirements based on cost, technical feasibility, and~~  
16 ~~relevant information on current energy and air quality policies~~  
17 ~~and activities and on greenhouse gas emissions reductions and~~  
18 ~~trends since 1990. The commission shall designate one of its~~  
19 ~~commissioners as chair, and shall include on the advisory~~  
20 ~~committee members who represent business, including major~~  
21 ~~industrial and energy sectors, utilities, forestry, agriculture, local~~  
22 ~~government, and environmental groups. The meetings of the~~  
23 ~~advisory committee shall be open to the public, and shall provide~~  
24 ~~an opportunity for the public to be heard on matters considered~~  
25 ~~by the advisory committee.~~