



Senate

General Assembly

File No. 438

January Session, 2011

Substitute Senate Bill No. 102

Senate, April 7, 2011

The Committee on Energy and Technology reported through SEN. FONFARA of the 1st Dist., Chairperson of the Committee on the part of the Senate, that the substitute bill ought to pass.

***AN ACT CONCERNING RENEWABLE ENERGY RESOURCES
ELIGIBLE FOR ASSISTANCE FROM THE RENEWABLE ENERGY
INVESTMENT FUND.***

Be it enacted by the Senate and House of Representatives in General Assembly convened:

1 Section 1. Subsection (a) of section 16-245n of the general statutes is
2 repealed and the following is substituted in lieu thereof (*Effective from*
3 *passage*):

4 (a) For purposes of this section, "renewable energy" means solar
5 photovoltaic energy, solar thermal, geothermal energy, wind, ocean
6 thermal energy, wave or tidal energy, fuel cells, landfill gas,
7 hydropower that meets the low-impact standards of the Low-Impact
8 Hydropower Institute, hydrogen production and hydrogen conversion
9 technologies, low emission advanced biomass conversion technologies,
10 alternative fuels, used for electricity generation including ethanol,
11 biodiesel or other fuel produced in Connecticut and derived from
12 agricultural produce, food waste or waste vegetable oil, provided the

13 Commissioner of Environmental Protection determines that such fuels
14 provide net reductions in greenhouse gas emissions and fossil fuel
15 consumption, usable electricity from combined heat and power
16 systems with waste heat recovery systems, thermal storage systems,
17 waste heat recovered from a public wastewater treatment plant, and
18 other energy resources and emerging technologies which have
19 significant potential for commercialization and which do not involve
20 the combustion of coal, petroleum or petroleum products, municipal
21 solid waste or nuclear fission.

22 Sec. 2. Subsection (c) of section 16-245n of the general statutes is
23 repealed and the following is substituted in lieu thereof (*Effective from*
24 *passage*):

25 (c) There is hereby created a Renewable Energy Investment Fund
26 which shall be within Connecticut Innovations, Incorporated for
27 administrative purposes only. The fund may receive any amount
28 required by law to be deposited into the fund and may receive any
29 federal funds as may become available to the state for renewable
30 energy investments. Upon authorization of the Renewable Energy
31 Investments Board established pursuant to subsection (d) of this
32 section, Connecticut Innovations, Incorporated, may use any amount
33 in said fund for expenditures that promote investment in renewable
34 energy sources in accordance with a comprehensive plan developed by
35 it to foster the growth, development and commercialization of
36 renewable energy sources, related enterprises and stimulate demand
37 for renewable energy and deployment of renewable energy sources
38 that serve end use customers in this state and for the further purpose
39 of supporting operational demonstration projects for advanced
40 technologies that reduce energy use from traditional sources. Such
41 expenditures may include, but not be limited to, reimbursement for
42 services provided by the administrator of the fund including a
43 management fee, disbursements from the fund to develop and carry
44 out the plan developed pursuant to subsection (d) of this section,
45 grants, direct or equity investments, contracts or other actions which
46 support research, development, manufacture, commercialization,

47 deployment and installation of renewable energy technologies, and
 48 actions which expand the expertise of individuals, businesses and
 49 lending institutions with regard to renewable energy technologies. Not
 50 more than fifty per cent of the cost of installation of a public
 51 wastewater treatment plant from which waste heat is recovered shall
 52 be disbursed from the fund.

This act shall take effect as follows and shall amend the following sections:		
Section 1	<i>from passage</i>	16-245n(a)
Sec. 2	<i>from passage</i>	16-245n(c)

ET *Joint Favorable Subst.*

The following Fiscal Impact Statement and Bill Analysis are prepared for the benefit of the members of the General Assembly, solely for purposes of information, summarization and explanation and do not represent the intent of the General Assembly or either chamber thereof for any purpose. In general, fiscal impacts are based upon a variety of informational sources, including the analyst's professional knowledge. Whenever applicable, agency data is consulted as part of the analysis, however final products do not necessarily reflect an assessment from any specific department.

OFA Fiscal Note

State Impact:

Agency Affected	Fund-Effect	FY 12 \$	FY 13 \$
Connecticut Innovations, Inc	CCEF - Cost	See Below	See Below

Note: GF=General Fund

Municipal Impact: None

Explanation

The bill allows for the development of energy systems that use waste heat recovered from a public sewage treatment plant to be funded in part by the Renewable Energy Investment Fund (Connecticut Clean Energy Fund - CCEF). CCEF, a non-appropriated account, generates over \$30 million annually through a ratepayer surcharge of one mil per kilowatt hour. Any additional requirements made on CCEF will decrease the amount of funds available for other programs.

The Out Years

The annualized ongoing fiscal impact identified above would continue into the future subject to inflation.

OLR Bill Analysis**sSB 102*****AN ACT CONCERNING RENEWABLE ENERGY RESOURCES ELIGIBLE FOR ASSISTANCE FROM THE RENEWABLE ENERGY INVESTMENT FUND.*****SUMMARY:**

This bill allows the state's Renewable Energy Investment or "Clean Energy" Fund to support the development of energy systems that use waste heat recovered from a public wastewater (sewage) treatment plant. However, it limits the fund's support to no more than 50% of the expenditures for the development, installation, or operation of a plant from which waste heat is recovered. By law, the fund can provide grants, direct or equity investments, contracts, or take other actions to support research, development, manufacture, commercialization, deployment, and installation of renewable energy technologies, and actions that expand the expertise of individuals, businesses, and lending institutions with regard to these technologies.

EFFECTIVE DATE: Upon passage

COMMITTEE ACTION

Energy and Technology Committee

Joint Favorable Substitute

Yea 22 Nay 0 (03/22/2011)