



U.S. Department of Energy
Energy Efficiency and Renewable Energy

weatherization and intergovernmental program

Renewable Energy Production Incentive (REPI)

Sustainable Energy Solutions

November 9 & 10, 2005

Denver, Colorado



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Outline

- What is the REPI program?
- Who is eligible?
- How does REPI work?
- What type of projects qualify?
- What types of technologies qualify?
- FY02-FY06 Appropriation Summary
- What to expect in the future from REPI
- Rulemaking
- Points of Contact



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To provide an overview of the REPI program, explain who and what technologies qualify, and to provide the audience a realistic outlook on what to expect in the future.



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What is REPI?

The Renewable Energy Production Incentive (REPI) is part of an integrated strategy to promote increases in the generation and utilization of electricity from renewable energy sources and to further the advances of renewable energy technologies.

LEGISLATION

REPI was initiated under Section 1212 of the Energy Policy Act of 1992.

Section 202 of the Energy Policy Act of 2005 reauthorized the program until 2016.



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A not-for-profit electric cooperative, a public utility described in *section 115 of the Internal Revenue Code* of 1986 [26 USCS § 115], a State, Commonwealth, territory, or possession of the United States, or the District of Columbia, or a political subdivision thereof, an **Indian tribal government or subdivision thereof, or a Native Corporation** (as defined in section 3 of the Alaska Native Claims Settlement Act (43 U.S.C. 1602)),



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weatherization and intergovernmental program How does REPI Work?

- REPI provides financial incentive payments for electricity produced and sold by new qualifying renewable energy generation facilities.
- Qualifying facilities are eligible for annual incentive payments of 1.5 cents per kilowatt-hour (1993 dollars and indexed for inflation) for the first ten year period of their operation, *subject to the availability of annual appropriations in each Federal fiscal year of operation.*



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What is a qualified facility?

A facility that generates electric energy for sale in, or affecting, interstate commerce using solar, wind, biomass, landfill gas, livestock methane, ocean (including tidal, wave, current, and thermal), or geothermal energy, **except** that—

- (1) the burning of municipal solid waste shall not be treated as using biomass energy; and
- (2) geothermal energy shall not include energy produced from a dry steam geothermal reservoir which has—
 - (A) no mobile liquid in its natural state;
 - (B) steam quality of 95 percent water; and
 - (C) an enthalpy for the total produced fluid greater than or equal to 1200 Btu/lb (British thermal units per pound).



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What types of technologies qualify?

60% of Appropriation Pays:

Wind, Solar, Ocean (including tidal, wave, current and thermal) geothermal, or closed-loop (dedicated energy crops) biomass technologies

40% of Appropriation Pays

Open-loop biomass such as landfill methane, biomass digester gas, and plant waste material

EPAct Section 202 (a) – Incentive Payments



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FY02 – FY06 Appropriation Summary

Fiscal Year	EERE Budget Request (\$million)	Congressional Appropriation (\$million)
2006	5.00	
2005	4.00	4.960
2004	4.00	3.926
2003	4.00	4.816
2002	3.99	2.840



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What to expect in the future....

Example: Assume FY06 appropriation is \$5 million
60% or \$3 million will pay wind, solar, ocean, closed-loop biomass
40% or \$2 million will pay for open-loop biomass, landfill gas etc.

wind, solar, ocean, closed-loop biomass

Total Demand in FY04 - \$ 4.8 million

Total Demand in FY05 - \$7.1 million

\$3 million is paid on a *pro rata basis*

Shortfall between \$1.8 & \$4.1 million

open-loop biomass, landfill gas etc

Total Demand in FY04 - \$ 58 million

Total Demand in FY05 - \$ 43 million

\$2 million is paid on a *pro rata basis*

Shortfall between \$56 & \$41 million

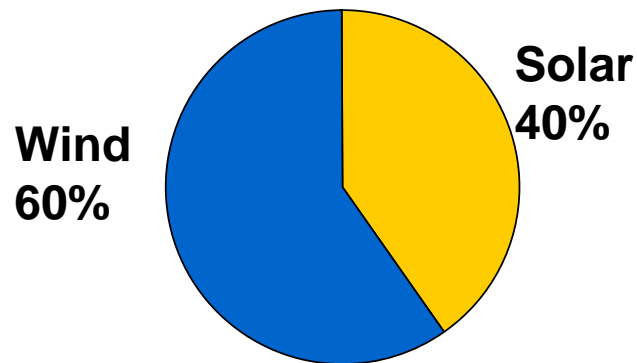


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60% Tier

Total – 57 qualified facilities

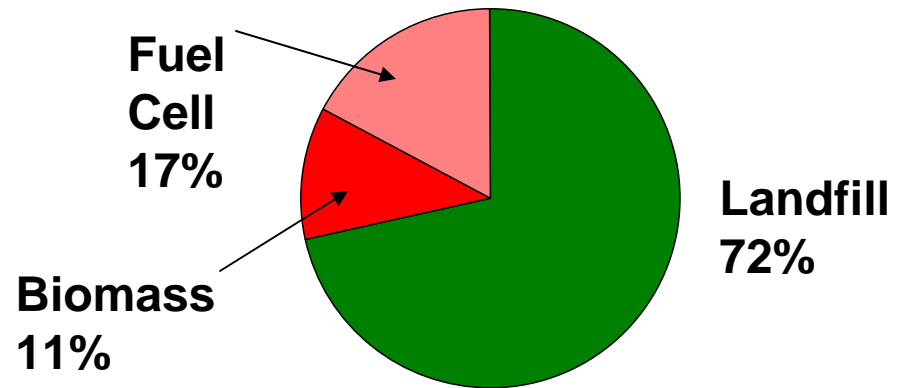
- Solar light = 40%
- Wind = 60%



40% Tier

Total – 35 qualified facilities

- Landfill methane – 72%
- Biomass – 11%
- Fuel Cell – 17%





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Process

Stakeholder outreach

DOE drafts an interim rule

Public comment period

DOE incorporates public
comments

Federal Register Website

<http://www.gpoaccess.gov/fr/>

Submit rulemaking questions
and comments to:

repi@go.doe.gov

Send a **letter** or a **fax** with your
comments to DOE



U.S. Department of Energy
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For Policy and Appropriation
questions contact:

Dan Beckley
1000 Independence Ave, SW
Washington, DC 20585

Email: dan.beckley@ee.doe.gov

For REPI implementation - facility
qualifications, applications, and
payment questions contact:

Christine Carter
1617 Cole Boulevard
Golden, Colorado 80401

Email: christine.carter@go.doe.gov

REPI Website

<http://www.eere.energy.gov/wip/program/repi.html>

REPI Email – for comments and questions

repi@go.doe.gov