

US EPA ARCHIVE DOCUMENT

US Department of Energy Funding

**Specific Funding Sources of Interest
to Wastewater and Drinking Water
Facilities**

Directly From US DOE

US DOE FUNDING

- 1. Energy Efficiency (EE) and Conservation Block Grants – Formula Allocations
- 2. Energy Efficiency and Conservation Block Grants – Competitive Grants
- 3. Loan Guarantee Program
- 4. Deployment of Combined Heat and Power Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment
- 5. State Energy Program Formula Grants

1. Energy Efficiency and Conservation Block Formula Grants

- **Eligible Applicants – States, Territories, Tribes, units of Local Governments (cities and counties)**
- **\$1,8880,310,000 Formula Grants to Eligible cities and counties**
- **\$767,480,000 Formula Grants to States**
- **\$54,836,200 Formula Grants to Tribes**
- **Activities: EE Retrofits; Renewable Energy (RE) Technologies on Government Buildings; Financial Incentive Programs**
- **Who To Contact:<http://www.eecbg.energy.gov>**
- **Local Governments that do not have a formula allocation are eligible to apply for funding to CEC**

2. Energy Efficiency and Conservation Block Competitive Grants

- **Most EECB dollars will go into Formula Grants – just covered (Congress appropriated \$3.2 billion and over \$2.7 is distributed via Formula Grants)**
- **\$455 million nationally available for Competitive Grants**
- **Separate Funding Opportunity Announcement will be coming soon**
- **Activities: to be determined**
- **Who To Contact: <http://www.eecbg.energy.gov/>**
- **Sign up for automatic email news alerts through DOE's Office of EE and RE:
https://apps.eere.energy.gov/news/progress_alerts_archive.cfm**

3. Loan Guarantee Program

- AARA provides \$6.0 billion for a temporary program for rapid deployment of renewable energy and electric power transmission
- **Eligible Applicants: To be determined**
- **Eligible Activities: RE systems, including incremental hydropower, that generate electricity or thermal energy, and facilities that manufacture related components**
- **Who To Contact: monitor Loan Guarantee Program website – <http://www.lgprogram.energy.gov>**
- **Link at this website allows you to sign up for emailed news alerts regarding the Loan Guarantee Program**

4. Deployment of Combined Heat and Power (CHP) Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment

- Eligible Applicants – Everyone except Federal agencies and nonprofits engaged in lobbying**
- \$156,000,000 nationally**
- Activities – A. COMBINED HEAT & POWER (generation of electric energy and heat in a single, integrated system with overall thermal efficiency of 60% or greater on a higher-heating-value basis**

4. Deployment of Combined Heat and Power (CHP) Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment

- **Activities – continued**
- **B. DISTRICT ENERGY SYSTEMS (providing thermal energy from a renewable energy source, thermal energy source, or highly efficient technology to more than one building or fixed energy-consuming use from one or more thermal-energy production facilities through pipes or other means to provide space heating, space conditioning, hot water, steam, compression, process energy, or other end uses for that energy.**

4. Deployment of Combined Heat and Power (CHP) Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment

- **Activities – continued**
- **C. WASTE ENERGY RECOVERY** means the collection and reuse of energy from sources such as exhaust heat or flared gas from any industrial process; waste gas or industrial tail gas that would otherwise be flared, incinerated, or vented; a pressure drop in any gas, excluding any pressure drop to a condenser that subsequently vents the resulting heat.

4. Deployment of Combined Heat and Power (CHP) Systems, District Energy Systems, Waste Energy Recovery Systems, and Efficient Industrial Equipment

- **Activities – continued**
- **D. EFFICIENT INDUSTRIAL EQUIPMENT** refers to any proven, commercially available technology with deployment with a minimum efficiency improvement of 25% into the industrial sector. Bundling of multiple projects within a single application is required. Projects sized to exceed \$10 M total project value
- **Who To Contact:**
<https://recoveryclearinghouse.energy.gov/>
- **1-888-DOE-REVV (1-888-363-7289)**

5. State Energy Program Formula Grants

- In addition to direct funding from DOE to local governments – States receive \$\$\$
- California has received \$226,093,000
- Eligible Activities: financing EE and RE capital investments such as loan programs and performance contracting programs to leverage public and private sector funds; rebates, grants, incentives for EE and RE measures in public buildings; energy audits
- Who to Contact: Shahid Chaudhry, CEC –
- He will speak about CEC's plans for these \$ today!



American Recovery and Reinvestment Act of 2009

Clean Renewable Energy Bonds (CREBS) - \$2.4B

- Program Administered by the IRS
 - Application deadline August 4, 2009
- Bonds for loan financing for “renewable” projects
 - CIWMB and CEC are eligible to apply for bonds as a qualified issuers‡
 - Projects must be owned by a governmental body, public power provider or a mutual or cooperative electric company
- Eligible waste to energy technologies:

➤ Biomass	MSW Conversion
MSW Combustion†	Landfill Gas to Energy

- Could be used to assist public owned landfills and waste water treatment facilities get financing to build waste to energy facilities.

TECHNICAL ASSISTANCE

DOE's EE & RE Industrial Technologies Center

- Reduce industrial plant energy costs by making motor, steam, compressed air, pumping, and process heating more reliable, cost-effective, and energy-efficient
- Select energy-efficient equipment
- Develop plans for cost-effective efficiency measures, gain mgmt support/\$
- Info & tech for Save Energy Now program, to improve natural gas efficiency through outreach & on-site assessments
- Determine which of the thousands of resources available through the ITP website will best meet your needs.
- Contact the EERE Information Center by calling 1-877-EERE-INF (1-877-337-3463) or by e-mailing eereic@ee.doe.gov. A customer service specialist or energy expert at EERE Infor. Center will respond to your inquiry. <http://www1.eere.energy.gov/industry/>
Energy Solutions Center – goal to accelerate the acceptance of and deployment of new energy-efficient, gas-fueled technologies.

<http://www.energysolutionscenter.org>

<https://www.wapa.gov/es/about/default.htm>