

Summary Of Manufacturer Incentives For Energy Efficiency

FEDERAL PROGRAMS

| Program | Opportunity (What's in it for me?) | Focus (What do I have to do?) | Eligible (Is my company a fit?) | Relevant Dates (Timing) |
|--|---|--|---|--|
| Business Energy Investment Tax Credit or Renewable Energy Grant | 30% tax credit or grant on eligible projects | A credit against the Federal Alternative Minimum Tax (AMT) for investments in energy technologies such as solar, fuel cells, micro-turbines, small wind energy systems geothermal heat pumps, and combined heat and power (CHP) systems. | Manufacturers making investments in these types of technologies. | Tax credits through 2016 with grants only in 2009 and 2010 based on project completion date. |
| MACRS Bonus Depreciation | 50% bonus depreciation on renewable energy technologies | MACRS defines renewable energy technology property as eligible for a five year depreciable life. ARRA provides for 50% bonus depreciation for biomass and biofuel plant property, water utility property, reuse and recyclable materials equipment | Manufacturers making investments in these types of technologies | Through the end of 2009. |
| Energy Efficient Commercial Buildings Tax Deduction | Tax deduction of up to \$1.80 per square foot | Buildings benefitting from the installation of energy efficient interior lighting, building envelope, or heating/cooling/ ventilation or hot water systems that reduce energy and power cost by 50% or more. | Improvement in building energy cost is compared to buildings meeting the ASHRAE Standard 90.1-2001 standard. Savings must be calculated using an IRS approved software. Deductions are available mostly to building owners. | Through December 31, 2013. |

COMMONWEALTH OF PENNSYLVANIA PROGRAMS

| Program | Opportunity (What's in it for me?) | Focus (What do I have to do?) | Eligible (Is my company a fit?) | Relevant Dates (Timing) |
|--|---|---|---|---|
| Solar Energy Incentives Program | Loans of \$35K per job created in 3 yrs. & grants of \$5K per job created in 3 yrs. 50% match from DCED. Larger loans & grants for distribution & R&D companies | Loans, grants, and loan guarantees for land, buildings, and equipment directed to solar energy distribution, solar equipment manufacturing, and solar R&D. Offers partial grants for feasibility studies. | Commercial and industrial companies that generate, distribute, or store solar energy, manufacturing or assembly facilities for solar panels & equipment as well as solar technology R&D facilities. | Ongoing since July 2008 |
| Wind & Geothermal Incentives Program | Loans of \$35K per job created in 3 yrs. & grants of \$5K per job created in 3 yrs. 50% match from DCED. Larger loans & grants for distribution projects. | Loans, grants, and loan guarantees for land, buildings, and equipment directed to closed loop geothermal heat pump systems as well as wind turbine and other equipment production and manufacturing. Offers partial grants for feasibility studies. | Commercial and industrial companies that utilize geothermal and wind technologies. | Ongoing since July 2008 |
| Sustainable Development Fund Financing Program (PECO Territory) | Commercial Loans, subordinated debt, royalty financing, and equity financing of \$4 million in 2009, renewed annually | Financing of equipment upgrades or electric energy saving improvements, purchases of advanced clean energy systems, and start ups/expansion of companies producing clean energy. | Companies that generate electricity using clean energy sources, manufacturers of renewable energy, advanced clean energy and energy conserving products & technologies, and end users of those products and technologies. | Funded annually. 2009 amount was \$4 million. |
| High Performance Building Incentives Program | Commercial Loans or Loan Guarantees up to \$2 million. Grants lesser of 10% of project costs or \$500K. Loans amortized up to 25 years. Matching funds to State investment. | New construction or major renovation projects achieving LEED Gold certification or LEED credits in selected categories. | Companies of less than 100 employees utilizing passive solar space heat, solar water heat, solar space heat, photovoltaics, wind, biomass, geothermal heat pumps, bio-gas, daylighting, small hydroelectric. | Ongoing since July 2009. |

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COMMONWEALTH OF PENNSYLVANIA PROGRAMS CONTINUED...

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|--|--|--|---|----------------------------|
| Small Business Pollution Prevention Assistance Account Loan Program | Loans of up to \$100K for up to 75% of total eligible project costs, 2% fixed interest, 10 year amortization. | Eligible efficiency technologies for lighting, motors, processing and manufacturing equipment. | Companies of less than 100 employees. | Ongoing |
| Pennsylvania Sunshine Solar Rebate Program | Commercial Photovoltaic rebate of \$1.75 to \$2.25/W DC. Commercial Solar Thermal - 25% of installed system cost to maximum of \$20,000. Commercial photovoltaic lesser of \$377,500 or 35% of installed cost. | Solar water heat, solar space heat, and photovoltaics. | Companies of less than 100 employees. Installer applies for rebate or other incentives. | Ongoing |

ENERGY OPPORTUNITIES, GRANTS & FUNDING OPPORTUNITIES

| Program | Opportunity (What's in it for me?) | Website | Phone Number | Relevant Dates (Timing) |
|--|---|---|------------------------|----------------------------|
| Pollution Prevention and Assistance Program | Pollution prevention and energy efficiency improvements for small businesses of hundred employees or less; must have a simple payback of ten years or less consisting of energy or pollution related savings; program can loan up to ten yrs and the loan not to exceed seventy-five percent of project cost; open year round for revolving loan; loans are administered jointly by DCED and DEP; requires Single Application for Assistance. | www.depweb.state.pa.us/enintech/cwp/view.asp?A=1413&Q=503114 | 1-717-783-8411 | |
| Renewable Energy Program | Installation and development of geothermal and wind projects as well as the manufacturing of these systems; all businesses, non-profit entities and political subdivision are eligible application must be received 45 days prior to the next scheduled Commonwealth Financing Authority to be considered. | http://www.newpa.com/find-and-apply-for-funding/funding-and-program-finder/funding-detail/index.aspx?progId=191 | | |
| Solar Energy Program | Open to all businesses, local governments, non-profits; solar photovoltaic and solar thermal installations are eligible; solar manufacturing and assembly facilities are eligible; applicants are required to provide dollar for dollar matching funds for any funds awarded by the program | http://www.newpa.com/find-and-apply-for-funding/funding-and-program-finder/funding-detail/index.aspx?progId=197 | 1-717-787-7120 | |
| Smart Energy Initiative | Financial Assistance for training current employees; educational programming; immediate access to web of businesses; POC for related loans; international business support; solar PV install; energy optimization for buildings. | http://www.smartenergypa.org/ | 1-610-458-5700 ext 275 | |
| Penn Future | Renewable energy resourcing; funding programs overview; information is older. | http://www.pennfuture.org/content.aspx?MenuID=1&SectionID=177 | 1-717-214-7920 | |

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ENERGY OPPORTUNITIES, GRANTS & FUNDING OPPORTUNITIES CONTINUED..

| Program | Opportunity (What's in it for me?) | Website | Phone Number | Relevant Dates (Timing) |
|--|--|---|----------------|--------------------------------|
| Sustainable Development Fund | <p>Financing can be used for new construction of residential properties or nonprofit-owned facilities that are built to an Energy Star or LEED standard. Energy efficiency retrofits for residential properties or nonprofit owned facilities that achieve at least a 25% reduction in energy consumption. A strong preference is given to projects involving whole building evaluation and design. Energy efficient production equipment for manufacturers that achieve at least a 25% reduction in energy consumption. Renewable energy projects, such as: geothermal installations solar PV installations, solar daylighting systems, solar water-heating systems, solar space-heating systems, small wind installations, small hydro installations ; financing can also be used for distributed generation projects, such as: combined heat and power projects (co-generation)of fuel cell installations, clean, efficient uninterruptible power systems; Terms will vary depending on the use of funds. Construction financing —5% and up. Term loans — 5% and up. Maximum 15 year amortization. Lease and energy performance financing — 5 1/2% and up. Maximum 10 year amortization. Pre-development loans — low interest or structured as no interest with repayment plus some negotiated return paid at time of permanent financing or sale of units.</p> | http://www.trfund.com/financing/energy/energy-guidelines.html | 1-215-574-5800 | |
| Alternative and Clean Energy Fund | <p>Activities to promote the utilization, development and construction of alternative and clean energy projects in the Commonwealth. Available to any business; an economic development organization; or a political subdivision, includes municipalities, counties and school districts. As defined in Section II B, political subdivisions may not apply for loans for Alternative Energy Production Projects. Loans: Loans for manufacturers of alternative and/or clean energy generation equipment or components shall not exceed \$35,000 for every new job created within three years after approval of the loan. Loans for any alternative energy production or clean energy project shall not exceed \$5 million or 50% of the total project cost, whichever is less. Grants: Grants for manufacturers of alternative and/or clean energy generation equipment or components shall not exceed \$10,000 for every job projected to be created by the business within three years after approval of the grant. Grants for any alternative energy production or clean energy project shall not exceed \$2 million or 50% of the total project cost, whichever is less. The maximum grant amount for an Energy Savings Contract (ESCO). Guarantees: Grants shall not exceed \$5 million and have a term of not more than five years. In the event of a default, the grant will pay up to 75% of the deficiency. There is a matching investment requirement of at least \$1 for every \$1 of program funds awarded. There is a \$100 non-refundable application fee due at the time of submission made payable to the CFA. There is a 1% commitment fee on all approved loans.</p> | http://www.newpa.com/find-and-apply-for-funding/funding-and-program-finder/funding-detail/index.aspx?progid=212 | 1-866-466-3972 | |
| PPL Act 129 | to be determined | | | |
| MetEd Act 129 | to be determined | | | |