

# *Wind Energy Rebate Program*

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## *Who We Are*



- **Established by the Maine Legislature**
- **Investing in cost-effective energy efficiency or customer-sited, alternative energy projects to reduce energy costs and improve Maine's business environment**
- **Governed by a nine-member board of directors representing business consumers and energy expertise**
- **Overseen by the Maine Public Utilities Commission**



- **American Recovery and Reinvestment Act**
- **System Benefit Charge not currently available**
  - $\geq 20\%$  solar PV
  - $\geq 20\%$  solar thermal
  - $\geq 20\%$  wind



# Rebates



Program	Rebate	Cap
Residential	\$1/watt	\$2,000
Commercial	\$1/watt	\$4,000



## **Minimum Available Wind Speed:**

- Class II or greater (4.4 meters per second, or 9.8 mph)

## **Minimum Tower Height at Turbine Hub:**

- 66 feet for Class II wind (4.4 m/sec or 9.8 mph)
- 50 feet for Class III wind (5.1 m/sec or 11/5 mph)

**Tip of blade at lowest point must be 30' above any structure or tree within 250' radius of tower.**

**Electric grid-tied**





- **Plan project**
  - Select location
  - Select certified/qualified contractor
  - Determine wind resource
  - Select system
- **Reserve rebate to ensure funding is available**
- **Install system (w/in 120 days)**
- **Submit Rebate Payment Request Form**
- **Receive payment in 6 weeks**



# *Anemometer Loaner Program*



- **Future funding not known (USDA & ARRA in the past)**
- **Administered by U Maine, Prof Paul Villeneuve, training students in how to assess wind resources**
- **16 anemometers, 2/site (6 sites live now)**
- **Community-based organizations (schools, towns)**
- **12-month trials, with qtrly reports**
- **No cost other than liability insurance**
- **Of 8 tests so far, only Sedgwick found feasible for community-scale (100'), due to canopy interference ("coefficient of roughness length")**

# Small Business Energy Audit



- **Commercial, non-profit and manufacturing facilities**
- **Monthly electric bill  $\leq$ \$1,200,  $\leq$  25kW, or  $\leq$  8,000kWh**
- **No schools, hospitals or residential buildings**
- **Audit fee refunded if complete minimum project cost**
- **Application at [www.energycymaine.com](http://www.energycymaine.com)**

<i>Audit</i>	<i>Type</i>	<i>Facility Size (ft<sup>2</sup>)</i>	<i>Audit Fee</i>	<i>Minimum Project Cost</i>	<i>Months to Complete</i>
I	Walk-through Analysis	1,000 – 4,999	\$250	\$500	4
II	Energy Survey & Analysis	5,000 – 9,999	\$500	\$800	6
III	Scoping Audit	10,000 – 50,000	\$800	\$1,000	10



# *Small Business Energy Loans*



- **Up to \$35,000, 1% APR**
- **Efficiency Maine energy audit required**
- **Any energy audit-recommended measures:**
  - electrical equipment including lighting, machinery, HVAC and refrigeration
  - heating equipment, regardless of fuel type
  - insulation
- **Commercial, non-profit and manufacturing facilities**
- **Monthly electric bill  $\leq$  \$1,200,  $\leq$  25kW, or  $\leq$  8,000kWh**
- **$\geq$  1,000 square feet**
- **Application at [www.energycymaine.com](http://www.energycymaine.com)**



**866-376-2463**

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