Wind & Solar

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EOS Ventures

Our goal is to develop and own renewable projects.

Technologies Include:
- Wind
- Solar
- Co-Generation (Combined Heat & Power)
- **Thermal Storage**
Vermont Development Goals

• **Act 170**, the Vermont Energy Act of 2012, set new goals for adoption of renewable energy: 55% of each utility's energy should come from renewable sources by 2017, and 75% by 2032.
• SPEED Program goal of 127.5 MW in 2022.
• Increased rights to construct renewables.
• Streamlined permitting (10 kW AC or less).

• **For more information, visit** [www.dsireusa.org](http://www.dsireusa.org)
Wind

Four Components of a Wind Project:

- Wind Resource
- Interconnection
- Permitting
- Financing
FloDesign Wind Turbine

Next Gen Turbines

Benefits

• Works in higher and lower wind speeds.
• Reduces noise and view issues.
• Lower tower, no FAA light.
• Less use of land.
• Smaller turbines.
• Greatly reduced flicker and ice throw issues.
Solar

Components needed for a solar project:

• Adequate roof space or land
• Interconnection
• Facing south
• Permitting
• Financing
Financing

• Federal Incentives
  – 30% Investment Tax Credit
  – New Market Credits
  – Grants

• State Incentives
  – Grant
  – Feed in Tariff
  – REC/SREC (Solar Renewable Energy Credits)

• Loans

• Private Equity
Vermont Incentives

• Corporate Tax Credit for small wind (100 kW), solar, and many more, 7.2%.
• Sales Tax Incentive exempts all sales tax up to 250 kW sized systems.
• Property Tax Incentive exempts systems under 10 kW and $4 per kW for larger systems.
• Equipment only. Local assessors will apply town taxes additionally.
• Option for local towns to exempt all renewables.
• SPEED Program.
• Net Metering.
• Green Mountain Solar $0.06 Net Metering adder (up to 500 kW).
Legislative Update
Thermal Storage

- Great tool for grid operators.
- Takes advantage of existing infrastructure.
- Smoothes out power spikes and valleys.
- Reduces curtailment or “furlough”.
Questions?