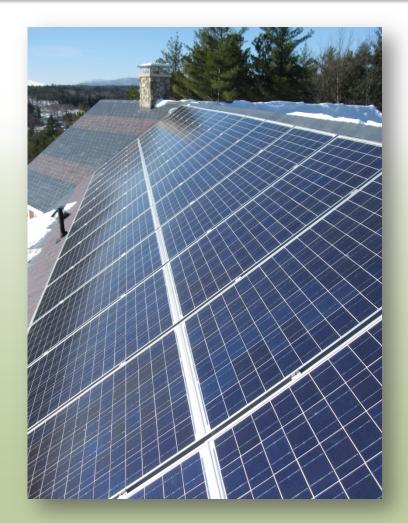
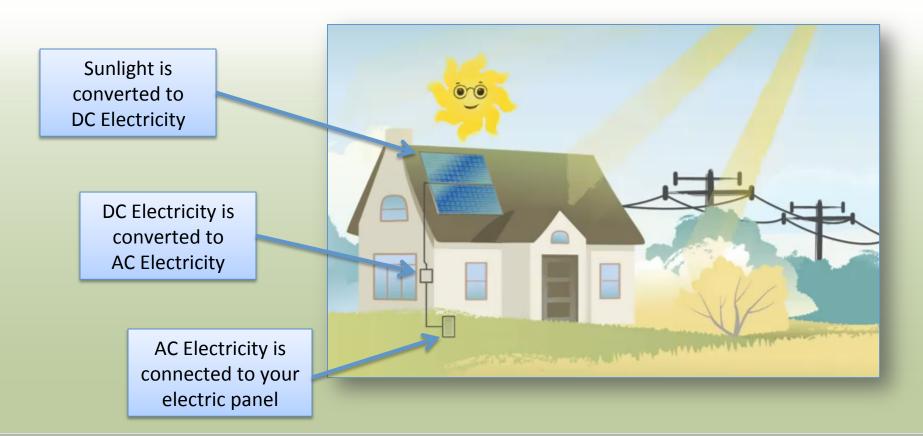
Solar Power 101



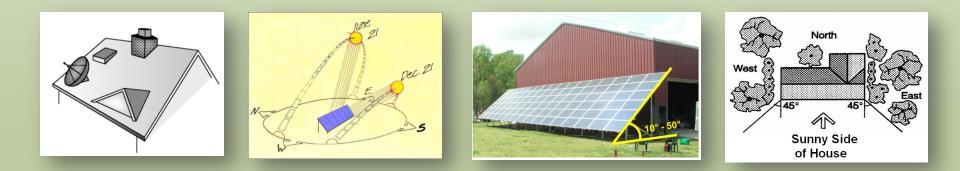
- How Solar Power Works
- Identifying A Good Site
- Why Solar Power
- What it Looks Like



How Solar Power Works

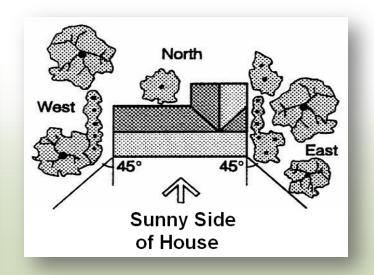


- 1. Roof space (>400 Sq. Ft for PV, 100 Sq Ft for Hot Water.)
- 2. The roof or array of panels faces mostly south (SE to SW)
- 3. The tilt angle is between 10 and 50 degrees
- 4. No shading from 9 AM to 3 PM



Site Considerations





Site Condition	Solution
Old Roof	Replace the Roof
Shade from Trees	Trim/Remove Trees
Limited Roof Space	Ground Mounted System

Solar Benefits to Your Family

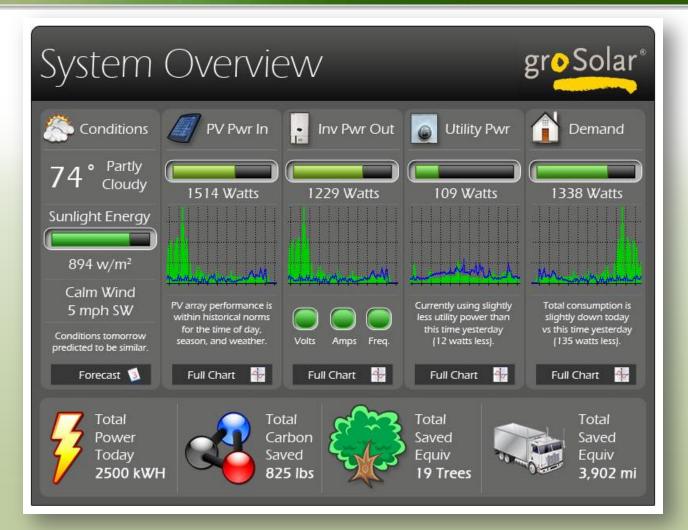
- Lower your electric bills for 30+ years
- Reduce your home's operating cost, increase value

Solar Benefits to Your Community

- Add clean power to the grid
- Improve the environment
- Raise awareness of clean, affordable electricity
- Support the local clean-energy economy

In one year, a 3kw solar power system...

- Could power a 42" TV for 720 hours
- Could power a compact fluorescent light bulb for 480,000 hours
- Replaces 5,517 pounds of CO2



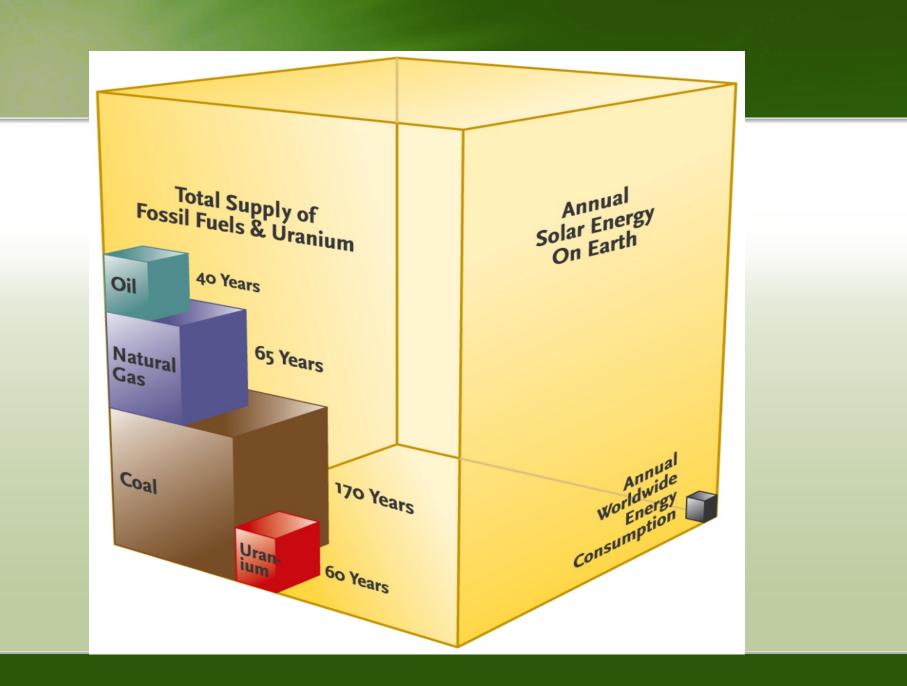
Solar Economics

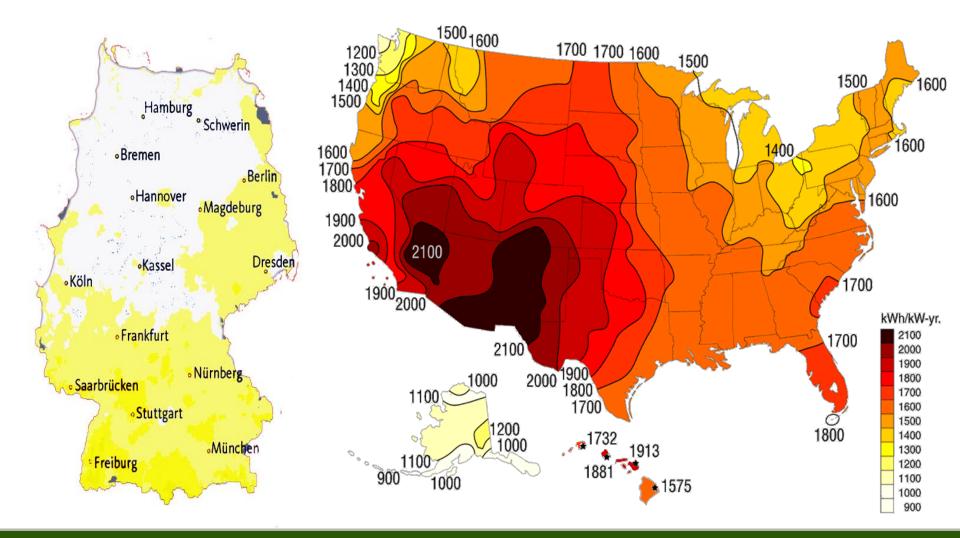
- Outright Purchase
- Solar Financing Offering Low Upfront Costs
- Stabilized Electricity Rates
- Save Thousands with Rebates and Tax

Credits

Vermont Solar Economics

Residental PV Watt Capacity	3840
# of 240-watt panels	16
Average KWH/yr in Vt with ideal site	4,608
Price before incentives at \$5.50/watt	\$21, 120
Vt CEDF Rebate at \$.75/watt	\$2,880
Fed Tax Credit 30%	\$5,472
Net Cost	\$12,768
25-year Power-bill Reductions	\$33,000+
Effective cost per KWH from solar	\$0.12





Little to No Maintenance

- •No moving parts
- •25 year power production warranty
- •10 year installation warranty
- •Extremely durable
- Covered by homeowner's insurance



Step One: 10 Minute Phone Call

Installer needs to know...

- Current Electric Usage
- Location of potential shade obstructions
- Roof type, budget, and orientation



Step Two: Home Solar Evaluation

- Two to three hours
- Measurements and photos
- Full shading analysis



Proposal

- Several options
- Scope of work
- Next Steps



Step Three: Installation













A Word About Subsidies

