

# *What makes a good site for...*

## *Wind*

- Minimum wind speed of 3-7 mph average
- Tree-less area for uninterrupted wind
- Ability to hoist pole at least 30 ft (codes?)
- Large lot (pole can't fall on neighbor's property)
- Canyons, hilltops are excellent
- Daily thermal transfer

*Cost: Starts out at under \$1,000 for turbine; other equipment necessary*

## *Solar*

- Unimpeded south-facing rooflines or surfaces
- Unshaded area with full day-long sun
- Large amount of sunny days

*Cost: Solar panels are about \$5-6.25 a watt; systems range from \$3,000 to nearly \$50,000*

## *Hydro*

- Year-round (or mostly year-round) water flow
- Minimum of 10 feet fall or drop
- Must be able to divert water to pipeline
- Maximum distance of 600 feet from hydro generator to power usage point
- Level-flowing streams are difficult

*Cost: Hydro unit itself less than \$1000*

*Note: All alternative energy systems will require other equipment — such as inverter and batteries are necessary*