

## Small Wind Enhances Lindley Hybrid System

Adelanto, CA 92371 | Bergey Excel 10 | 10 kW turbine, 45 foot tower | Installed by Pacific Solar & Wind LLC



Photo Credit: Chelsea Lindley, Owner

***“Wind and solar together work better than either one of them alone. I like the way it looks and sounds,” said hybrid system owner Chelsea Lindley.***

### Key Findings

- Produces ~ 12,000 kWh of electricity annually (50% of the site's energy needs)
- Generates 99% of the site's energy needs from wind + solar
- 3-year estimated payback period
- 15-year-old turbine retains value with an expected additional 20+ year lifespan

### Impact

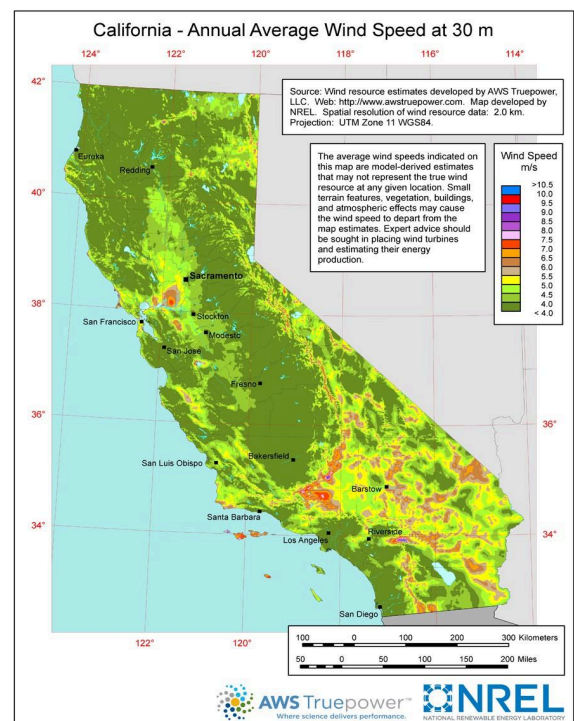
- Showcases off-grid energy for remote land development
- Saves thousands of dollars in utility line costs with a 100% off-grid system
- Demonstrates innovative energy independence solutions

The **Lindley** family in Adelanto, California, adopted a hybrid



energy solution in 2024, integrating a Bergey Windpower 10 kW wind turbine with their solar system. The wind turbine generates power during overcast days and windy evenings, increasing energy independence and lowering overall fuel consumption.

By addressing the limitations of solar-only systems during low sunlight periods, the wind turbine's 12,000 kWh annual output offsets half of the estate's energy needs. Avoiding a costly utility line extension further enhances the project's economic value.



***More than 230,000 California properties have wind resources suitable for distributed wind, with a combined technical potential of 3.8 GW, per NREL***

Want further information? Please contact:

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