

Electricity Unit Cost

Home Wind Turbine Calculation

Cost per kWh Formula

$$\frac{\text{Acquisition Cost (\$)}}{\text{AEP} \left(\frac{\text{kWh}}{\text{year}} \right) \times \text{Lifetime (years)}} = \frac{\$}{\text{kWh}}$$



Acquisition Cost

- Cost of the wind turbine/tower
- Shipping Costs*
- Batteries, charge controller, inverter etc.*
- Installation (if performed by a third party)
- Taxes

Annual Energy Production (AEP)

- Target locations wind profile
- Wind turbine model
- Tower height
- Annual Energy Production (AEP)*



Lifetime of Electricity Generation

- 20 years for Anorra™ models
- 5-20 years for batteries depending on the product
- Battery cost should be prorated to account for shorter lifespan

Legend

*Contact us for estimation

Contact us

