

## PEES Power Systems

# The village has installed a wind turbine



## Overview

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The Hepburn Wind Project is a wind farm at Leonards Hill near Daylesford, Victoria, north-west of Melbourne, Victoria. It comprises two 2MW wind turbines which produce enough power for 2,300 households. [2] This is the first Australian community-owned wind farm. In 2013, a group of people in the village of Gamlingay, Cambridgeshire set up their own wind turbine for the village. Like all good ideas, it started with a conversation in the pub, and grew from strength to strength. The turbine was installed for three reasons: To create a good investment. Wind turbines at Findhorn Ecovillage make the community a net exporter of electricity. Community wind projects are locally owned by farmers, investors, businesses, schools, utilities, or other public or private entities who utilize wind energy to support and reduce energy costs to the local. Community wind projects are locally owned developments consisting of turbines that can vary in number, type, and size. The wind power project in Greensburg not only provided clean energy but also revitalized the local economy. 6 MW wind farm near Anchorage on Fire Island, Golden Valley Electric Association's 24.

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**2MW / 5MWh  
Customizable**

### Three Places American Energy Consumers Are Using Local Wind Power

In 2019, Alaska Village Electric Cooperative installed a 900-kW wind turbine in Pitka's Point, partially funded through a 2016 DOE Office of Indian Energy Grant. This turbine serves all ...

### Small Community Wind Handbook

The Small Community Wind Handbook provides guidance on the siting and development activities required to develop a small wind energy project in a small community.



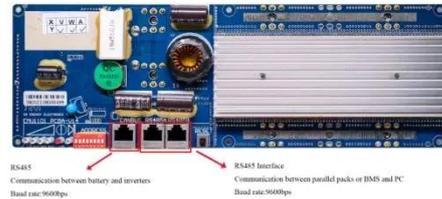
**5.12~30.72  
kWh  
System Energy**

### Distributed Wind Energy Brings Value to Remote and Rural Communities

St. Mary's installed a single 900-kilowatt wind turbine in 2019. That turbine produces about 50% of their power, offsetting about \$355,000 in fuel costs annually.

## Case Studies of Wind Power Integration in Sustainable Communities

In this article, we'll explore real-world examples of communities that have successfully integrated wind power into their energy systems, examining the benefits, challenges, and lessons ...



### Generation game: How villagers cash in on nearby turbines

Villages across Scotland are generating millions of pounds from nearby wind farms. In the south alone, Community Benefit funds will soon rise to £12m per year, and could reach a

### Answered: B3. (a) The village of Sunnyridge has installed an

B3. (a) The village of Sunnyridge has installed an array of 6 wind turbines. The probability of any day being insufficiently windy for the turbines to operate is found to be 0.3. The probability on any day ...



### Energised village: Gamlingay Community Turbine , Opus

## Energy



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## Community wind energy

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Community wind farms  
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Policy, issues, and legislation  
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