

Friends of the Manchester Library: typical Annual Budget & Solar Electric Savings since August 2021

With income from:

Fundraisers like the Salmon Bake, other special events

Sales of Books, Plants, Raffles

& Donations

FOML pays typical operating expenses

Building and grounds maintenance and repairs, insurance **\$6,000**

Utilities: **\$8,500+**

Library programs: **\$6,000**

Miscellaneous (volunteer and staff recognition, postage, fundraiser costs and advertising, cost of goods to sell, supplies) **\$5,000**

Every year FOML needs to raise \$25,000 to \$30,000 to keep the library open

The new Library Addition includes Solar panels:

\$ saved since original installation on Aug 4, 2021: \$1623

• **Kilowatt hours produced since 8/4/21: 13,527 kWh**

Tons of CO₂ production avoided since 8/4/21: 11 tons

Our 25 solar panels, rated at 8.75 kW d/c output, manufactured by Sun Power, installed by Power Trip Energy, and funded 100% by a generous Green Power grant from Puget Sound Energy.

During December our electrical power generated was only 8% of what was used. December is our month with the least solar energy available and that was compounded by snow covering our panels for a few days. We produced an average of only 6.1 kWh per day and the best day was December 3rd with 22.2 kWh produced. Since August of 2021 our solar panels have produced 48% of the electrical power used at the library.

As of: 1/1/2023