

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

With income from:

Fundraisers like the Plant Sales, Father's Day Salmon Bake,
Sales of Books, raffles, other special events & 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: \$2609

- **Kilowatt hours produced since 8/4/21: 21,742 kWh**

Tons of CO₂ production avoided since 8/4/21: 17 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 August our solar electrical power generated was 51% of what was used (same as last July). We looked back at some data and found that our best day in August produced 56.5 kWh and the worst day produced only 6.35 kWh (remember how dark it was on 8/29!). Our brightest day in December last year, 12/3/23, produced 22.2kWh and the brightest day this year was 6/4 with 61.6kWh. You actually can produce a fair amount of power even during winter!

As of: 9/1/2023