

# Friends of the Manchester Library: typical Annual Budget & Solar Electric Savings since August 2021 updated May 1

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: **\$3,204****

• **Kilowatt hours produced since 8/4/21: **25,694 kWh****

**Tons of CO<sub>2</sub> production avoided since 8/4/21: **42,000 lbs****

**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.**

**As part of our efforts to get the very best performance from our solar panels, we monitor the performance of each panel and have a schedule for gently cleaning the panels. Pollen is our biggest challenge, so each year when the pollen spread has diminished we very carefully clean each panel. With the cleaning, we expect to see the output increase by a few percentage points. In April, our best day for solar was April 17<sup>th</sup> when we produced 54.03 kWh of power. That total represented 5% of the total output for the month.**

*Data last updated: 5/1/2024*