

Gunther Residence  
1150 East Quilcene Road  
Quilcene, WA 98376



### SOLAR PHOTOVOLTAIC SYSTEM

SMA Sunny Boy 3800U (Grid-Tied) Inverter, High Voltage DC  
Shell SQ175 Mono-crystalline Solar PV Panels (20 for 3500 Watts, in two strings)  
Cutler Hammer Disconnects (600 Volt rated)  
KWh Meter (installed inside for owner use)  
Utility-provided KWh Meter w/ remote reading capability (outside for wireless RF)  
Mahogany (Marine-Grade Plywood) Mounting Backboard  
Uni-Rac Solar (Flush) Mount System

The owner, concurrent with the 3500 watt roof-mounted grid-tied solar electric system, has rebuilt and reinsulated the outside walls of the residence. The owner also replaced windows with efficient double glaze. Upon initial operation of the first 1750 Watt string in clouds and a light drizzling rain, the system output 504 watts, or almost 30% of rated power, to the utility grid.

Olympic Energy Systems, Inc. developed the photovoltaic system, as consultant and system architect. Hanson Electric performed the electrical installation. A General Contractor, Greenspace Landscaping, performed installation of the roof-mounted PV array. Olympic Energy Systems emphasizes energy awareness, conservation, and efficiency measures first and foremost, above and beyond installation of renewable energy systems.



Olympic Energy Systems, Inc.  
907 – 19<sup>th</sup> Street  
Port Townsend, WA 98368  
(360) 379-2536  
[OlympicEnergy@aol.com](mailto:OlympicEnergy@aol.com)  
[www.olympicenergysystems.com](http://www.olympicenergysystems.com)