The sun path chart to the right is for a solar electric system located in Burns, Oregon tilted 90 degrees with a 240 degree azimuthal orientation. The annual AC output for a system with these characteristics is about 0.84 kWh/Watt DC per year.

For comparison, annual production capacity per Watt of an optimally oriented system (34 degree tilt and 175 degree azimuth) is 1.39 kWh/Watt DC per year.

Local Production Capacity = 1.39 kWh/Watt DC per year.

At Burns, a system oriented as in the sun path chart to the right will produce 60% of the annual electricity produced by an optimally oriented system.

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Percent Annual Shading: _______