

SOLAR PROPOSAL - 4.64 kW

SAMPLE

SEPTEMBER 27, 2017

\$23,471

utility savings

\$4,381

net cost

3.5 ¢ / kWh

price of solar

11.2 ¢ / kWh

current utility price



SITE PLAN



FINANCIAL SUMMARY

\$16,490	retail cost
-\$250	Referral discount
-\$250	Twende Solar Discount up to \$250 donation discount
-\$1,160	energy trust of oregon 0.25 per watt paid to Elemental Energy
★ \$14,830	agreement price your up-front cost
-\$4,449	federal tax credit
-\$6,000	30% of agreement price state tax credit \$1,500 per year up to \$6,000
★ \$4,381	net investment



TECHNICAL SUMMARY

SOLAR MODULES

Brand: Hyundai
Model: HIS-S290RG
Warranty: 25 years
Quantity: 16

INVERTER

Brand: Enphase
Model: M215-60
Warranty: 25 yrs
Qty/Type: 16-Micro

HARDWARE

Type: Asphalt Shingle
Mounts: Quick Mount
Racking: IronRidge
Monitoring: Enphase

SYSTEM SPECS

Tilt: 25°
Azimuth: 180°
Solar Exposure: 95%
Output: 5,290 kWh / yr

UPGRADES:

☐ EV Outlet

☐ Battery Ready

☐ Battery System

☐ Critter Guard

☐ LED Kit + Smart Thermostat

☐ Electrical Service

☐ Panel Replacement

☐

\$250

Twende Solar Donation

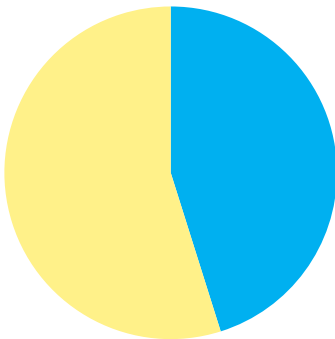
PROJECT NOTES:



ENERGY ANALYSIS

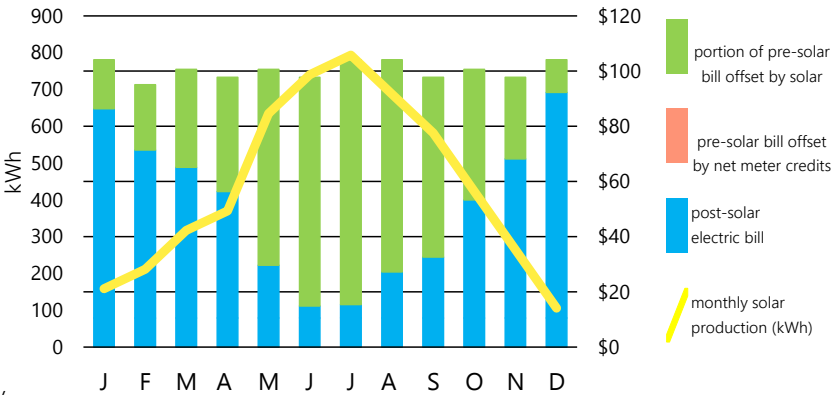
\$49 average monthly savings	5,290 kWh annual solar output	\$100 avg bill before solar	\$51 after solar
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ELECTRICITY MIX



energy supplied by solar 55%
energy supplied by utility 45%

MONTHLY BILLS + SOLAR PRODUCTION

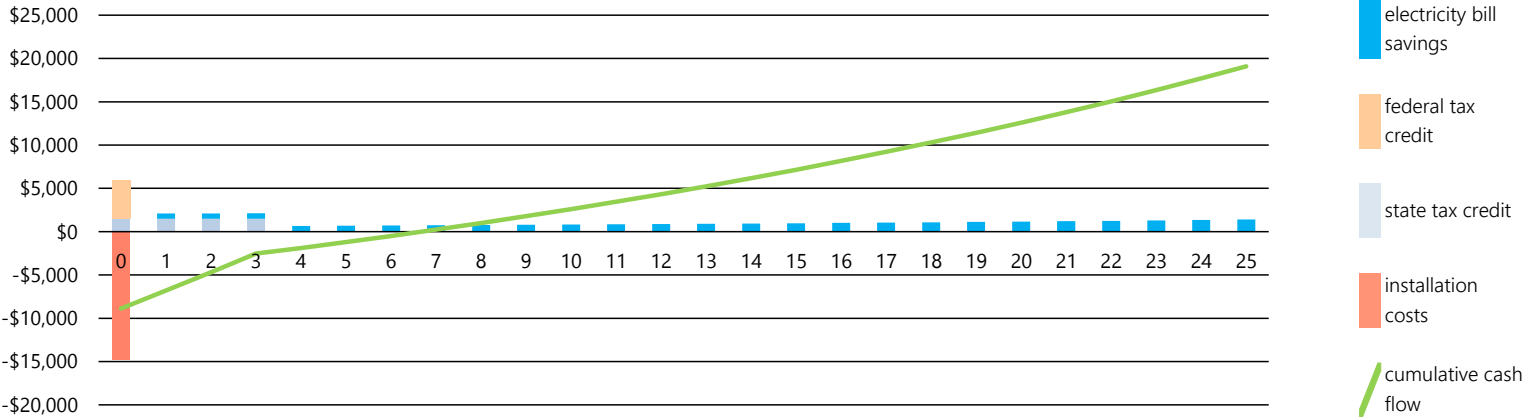


Your historical energy usage was used to size your solar system. The bill savings graph shows how much of your bill will be offset by solar production. The benefit of net metering, when credits from excess summer production are used to offset your winter bill, are shown in red.



CASH FLOW

\$4,381 net cost	15.4% rate of return	\$23,471 savings	536% lifecycle payback
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Your yearly cash flow over the system's 25-year life is shown above. The green line represents your cumulative cash flow, and the point at which it crosses zero represents your break-even point (when your systems's energy savings have surpassed the net cost). After that, you will be producing free electricity for years to come!



what if you don't choose solar?

\$50,171 spent on electricity in the next 25 years



ENVIRONMENTAL + OTHER BENEFITS

82 tons CO ₂ offset	12 cars off the road	\$18,560 added home value	16,240 yearly EV miles
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