

ELEMENTAL
ENERGY



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

30% of agreement price

-\$6,000 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

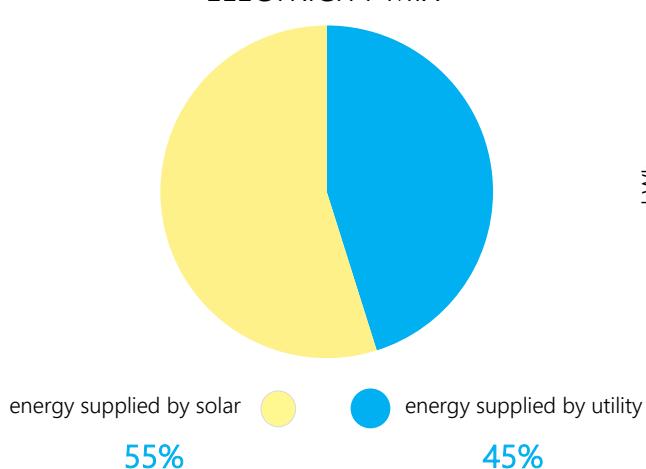
\$49
 average monthly savings

5,290 kWh
 annual solar output

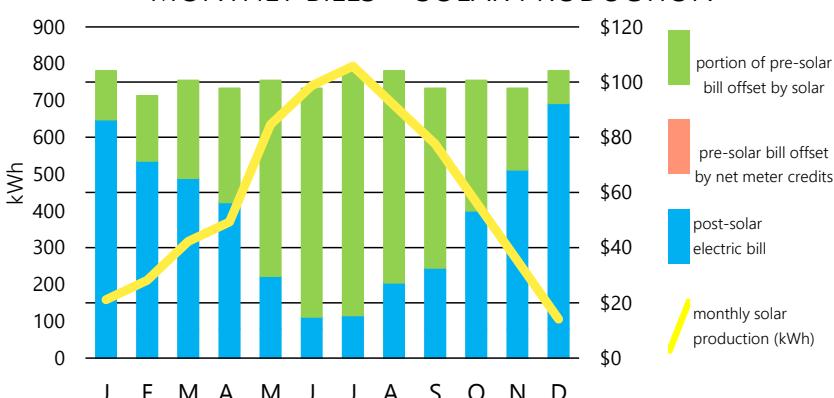
\$100
 avg bill before solar

\$51
 after solar

ELECTRICITY MIX



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.



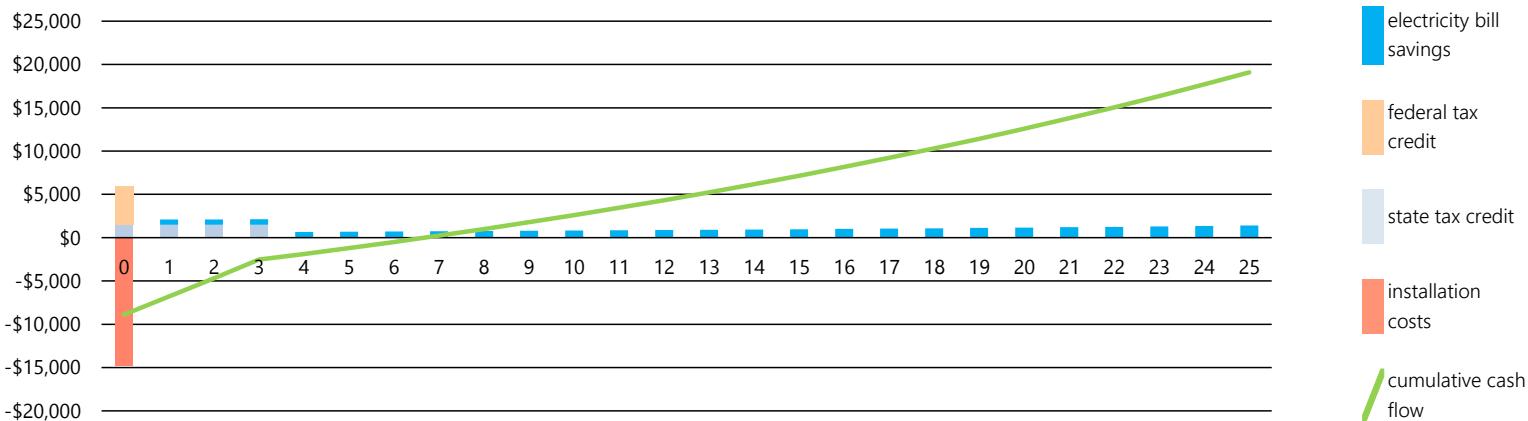
CASH FLOW

\$4,381
 net cost

15.4%
 rate of return

\$23,471
 savings

536%
 lifecycle payback



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 system'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 CO₂ offset

12
 cars off the road

\$18,560
 added home value

16,240
 yearly EV miles