

# CASE STUDY



## CARAN PRECISION ENGINEERING & MANUFACTURING

Specialty Metal Stamping and Manufacturing  
Brea, CA

Rooftop Fixed-Tilt Solar + Energy Storage  
\$10M Lifetime Electricity Production  
967.75 kW + (205 kW ESS) System Capacity

**94% Energy Offset**

**revel-energy.com**

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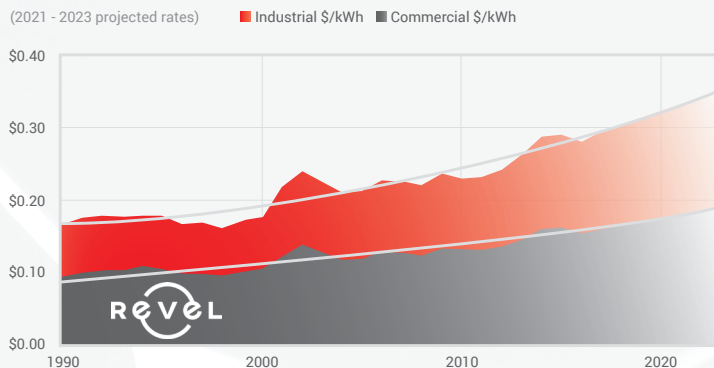


## COMMERCIAL SOLAR INSTALLATION, AN IMPORTANT RENEWABLE ENERGY SOURCE FOR THIS METAL STAMPING MANUFACTURER.

Caran Precision Engineering and Manufacturing is a premier metal stamping and manufacturing company, with over 50 years of experience in Orange County. Their state of the art facility in Brea, CA, uses stamping, finishing, and assembling equipment to build for various tolerances, and to do so takes a lot of electricity.

Historically California businesses have experienced the highest electricity rate growth in the country. In recent years many California businesses have seen their rates more than double.

### 1990 - 2020 Historical CA C&I Energy Rates

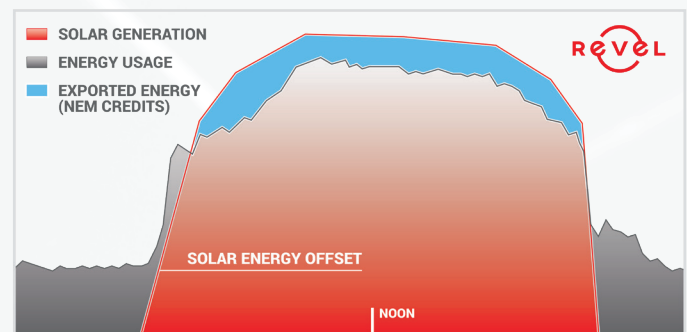


Caran didn't want their utility to dictate how they used energy, so after contacting the Revel Energy team, a plan was quickly set in place and executed.

Revel Energy's project managers worked with Brea City and Orange County authorities and code enforcement along the way to collect the necessary certifications.

Revel fit an almost 967.75 kW fixed-tilt PV system to the property, supplemented with a 250 kW energy storage system to cut any demand charges associated with intense spikes in energy use. Carport structures were built to add to the system's size. Any excess energy generated is stored in their battery ESS.

Taking advantage of multiple benefits and programs like the Solar Investment Tax Credit (ITC) and Net Energy Metering (NEM), Caran's new system offsets 94% of their electricity use by earning credits for overproduction during the day that pays for use at night when the system isn't producing.



The system is expected to produce over \$10 million of electricity in its 30-year lifespan. Caran Precision Engineering and Manufacturing Company looks toward a bright future with a smaller carbon footprint and much lower energy costs.

Revel Energy's team of commercial and agricultural solar specialists offer turnkey solutions for California businesses to lower their electricity costs ultimately increasing cash flow.

For a free comprehensive analysis contact a revel energy solar specialist today.

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