



## **County Office Building 3**

500 County Center

Solar Power Purchase Agreement

[cmo.smcgov.org/pdu](http://cmo.smcgov.org/pdu)



# Clean Energy Power Purchase Agreement







# Agenda

- Sustainability Goals & Zero Net Energy
- PPA Proposal Details
- Cost Savings Analysis

# Sustainability Design Goals



## ZERO NET ENERGY

On-site photovoltaics offset 100% building operational predicted energy usage.



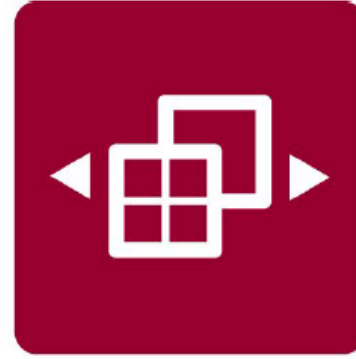
## LOW EMBODIED CARBON

A commitment to minimize embodied carbon through the use of timber and other natural or recycled



## WATER CONSERVATION

100% stormwater runoff from building roof and site paving treated with On-site Bioretention Planters.



## WELLNESS & RESILIENCY

Pandemic responsive design. Access to daylight, natural ventilation, and green open space.



## LEED CERTIFICATION PLATINUM

The Project is pursuing the highest LEED Certification - Platinum

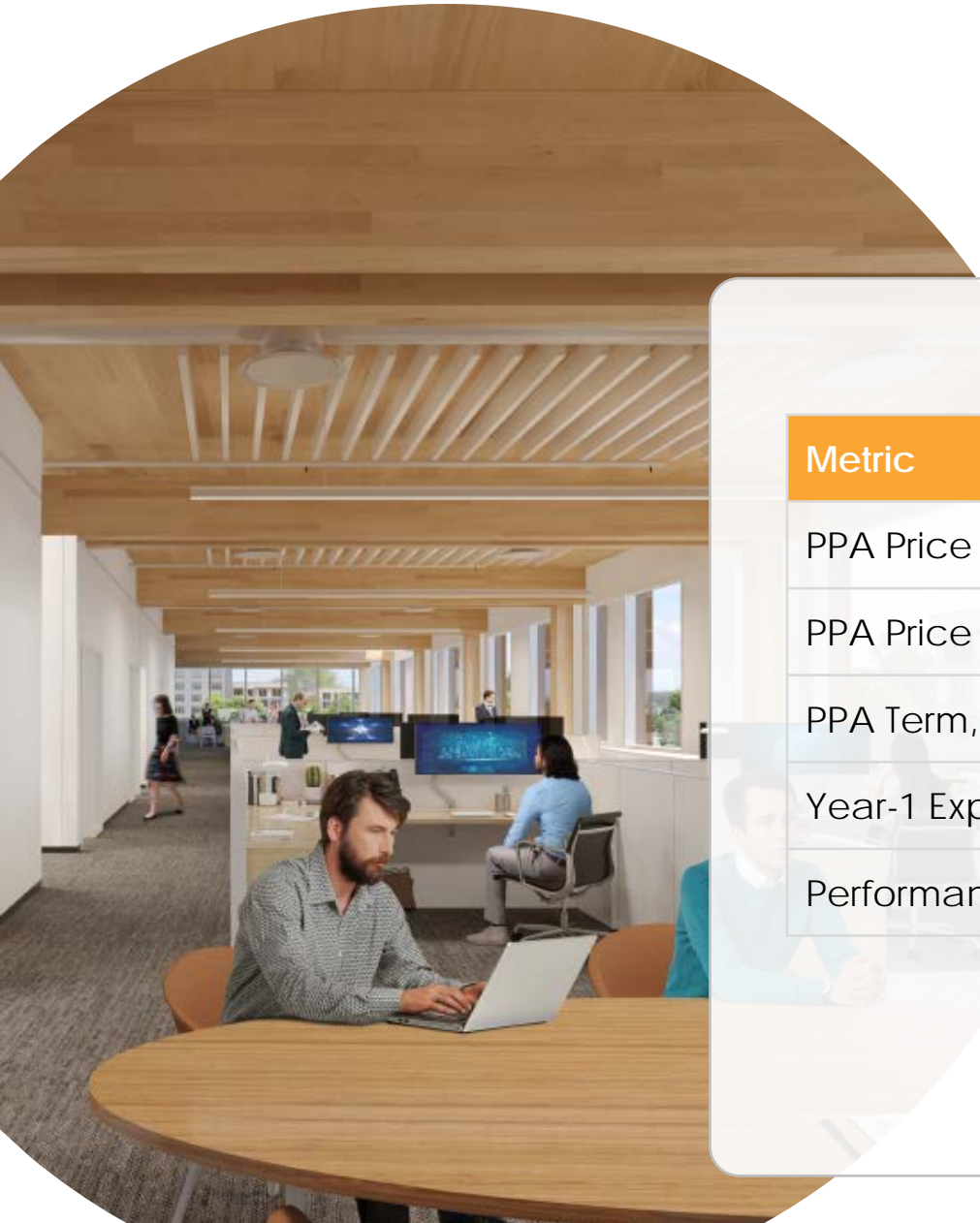
# Net Zero Energy Onsite Production



Projected COB3 Usage	1,410,000 kWh
PS2 Annual Output	990,900
COB3 Annual Output	537,680
Total Annual Output	1,528,580
Net Zero PV Offset (Buffer)	108% (8%)

# PPA Proposal Details

Metric	Value
PPA Price \$/kWh	.20
PPA Price Escalator	0%
PPA Term, years	20 + renewal option
Year-1 Expected Production kWh	537,680
Performance Guarantee	90%





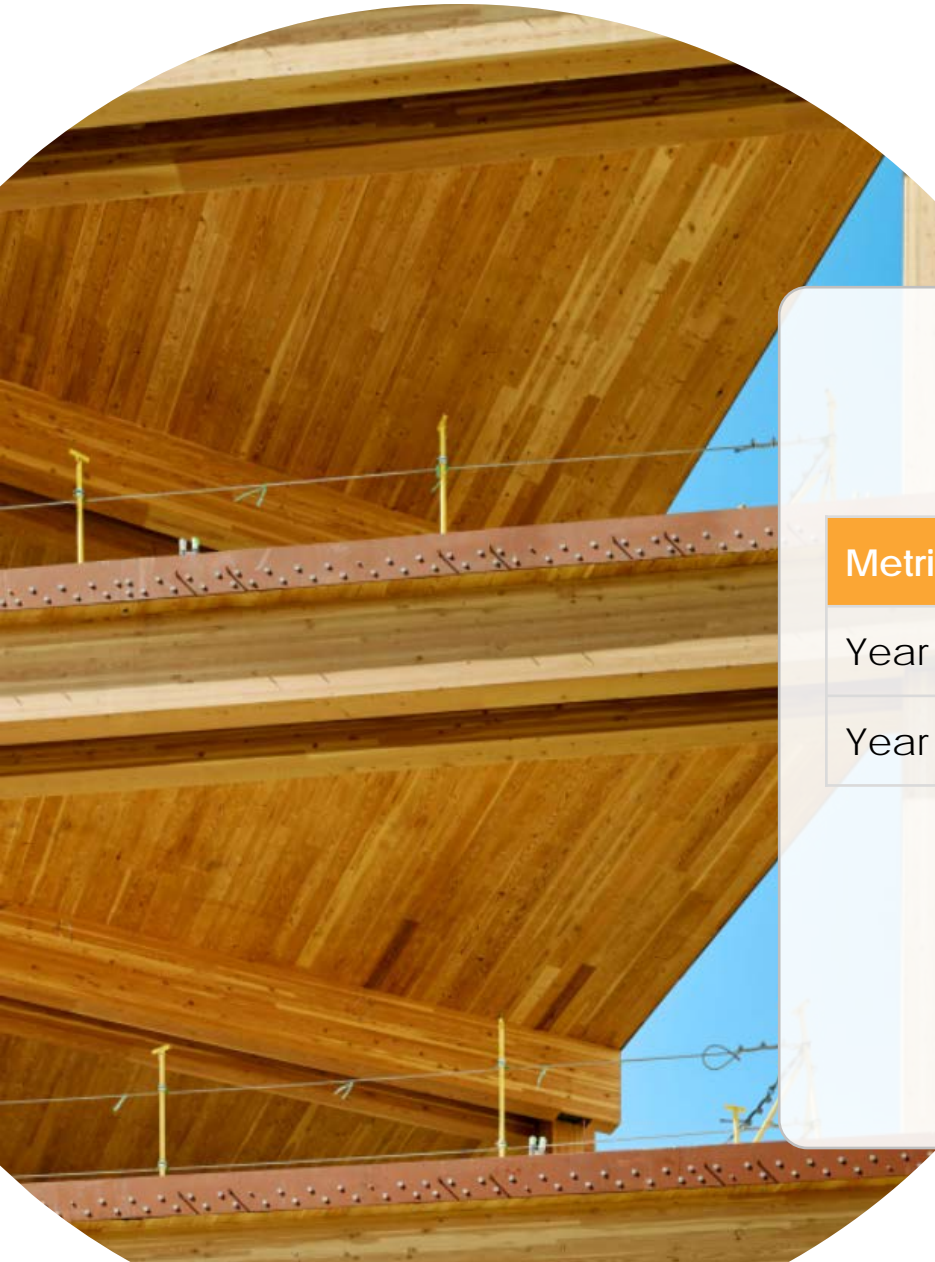
# Cost Savings Analysis

Metric	Value
Year 1 Net Savings Over Utility	\$7,000
Year 1-20 Net Savings Over Utility	\$840,000

\*Savings analyses includes a 5% construction contingency added to rate. Rate for each unit of energy will be reduce should contingency not be used.

\*Savings calculations consider annual utility rate escalation, tariff charges to value of generated PV energy, and PV system degradation

\*Work to be completed by union labor pursuant to Project Labor Agreement.





# Any Questions



 **PDU**  
PROJECT  
DEVELOPMENT UNIT  
COUNTY OF SAN MATEO

