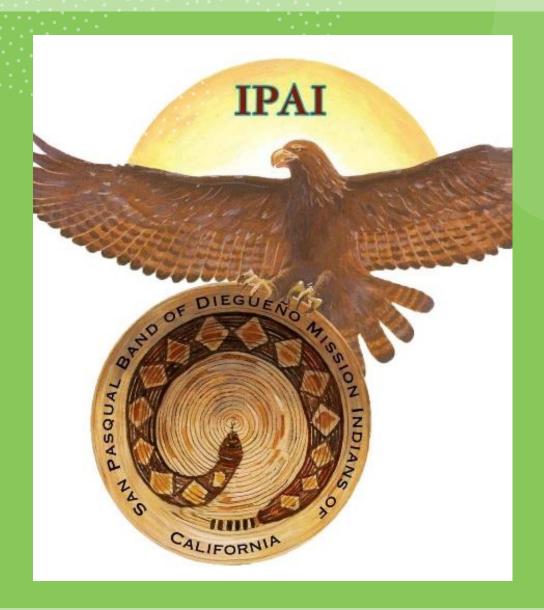
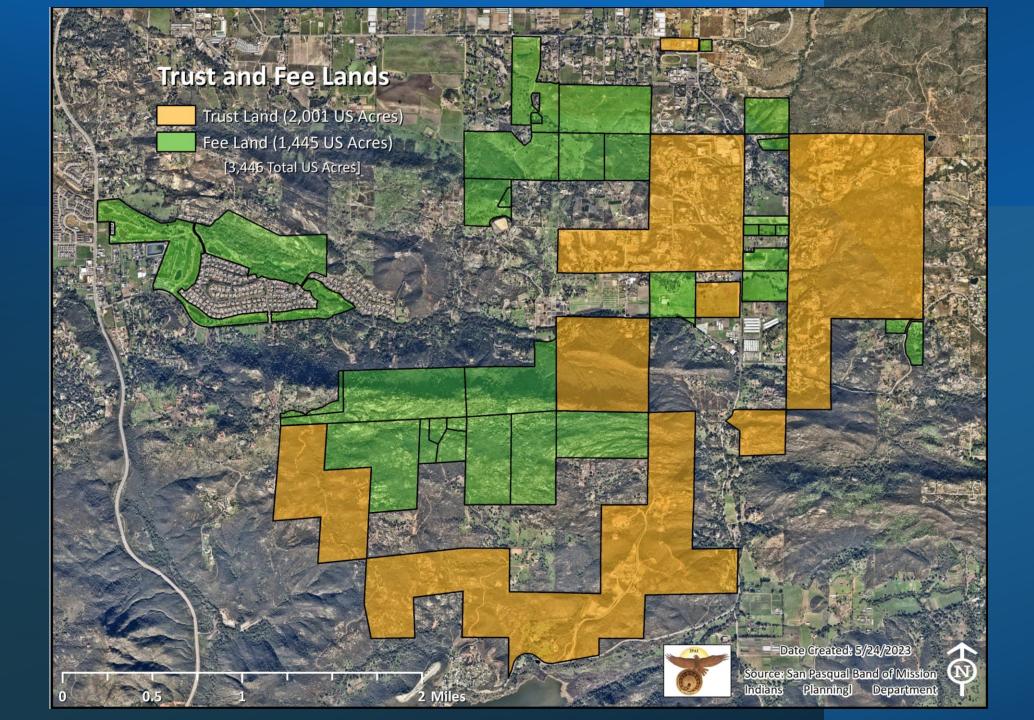
San Pasqual Band of Mission Indians Community Solar Project



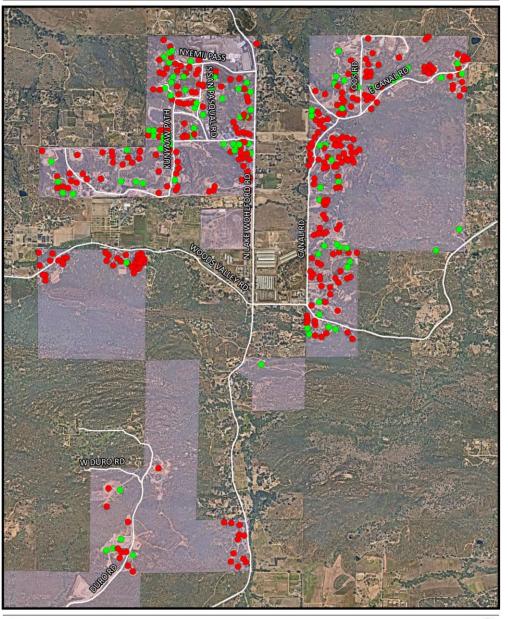
San Pasqual General Information

- Reservation was established in 1910
- The Reservation encompasses approximately 3,446 acres
- 152 enrolled tribal members and over 1,400 lineal descendants
- Reservation population is 2,100
- 450 homes on the reservation
- 96 EV Charging Stations
- 108 homes have solar
 - 60 GRID
 - 23 DOE Tribal Energy Grant (2016)
 - 25 private solar companies





Installed Solar on Built Residential Addresses



5,000



Install a 223kW solar community scale energy generating system for residential homes on the San Pasqual Reservation

Originally 2 elevated carport
PV systems located at the
San Pasqual Community Park
Ground mount system
due to material and project
cost increases

Reduce the monthly San
Diego Gas & Electric (SDGE)
electric bill cost burden of 80
residential homes and 1
government
building/account

Distribute 90% to 95% of benefits to residential subscribers and 10% to 5% to the government building/account

Planning to reduce monthly electrical bills by 50%



Currently have 55 residents completed through the onboarding process



RFP drafted and distributed, winning vendor selected and contract signed



Subscription based model: residents pay a \$25 monthly subscription fee to help pay for all O&M



Worked with SDGE to identify the 55 subscriber accounts to pass on the monthly savings

Project Accomplishments

Subscriber Prospecting and Framework Governance: Community Engagement



Community energy survey and applications drafted, released, and responses from Tribal Citizens received



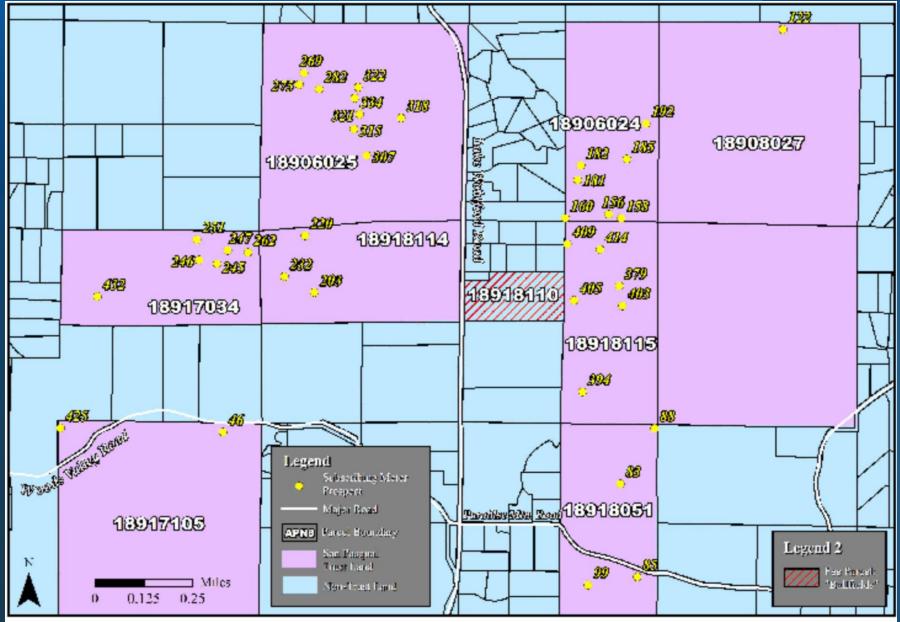
Individual household energy use data collected + Residential financial modeling



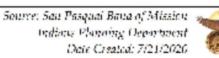
Community outreach meetings to educate successful



Dual Tribal Government water and electric management structure designed



Tribal Community Solar Residential Survey



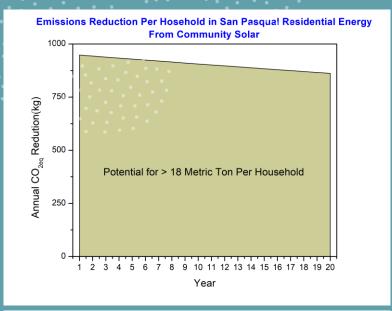
Subscriber On-boarding, Governance, and Contractual: Asset Management Community response and onboarding for SPBMI Residents and utility data

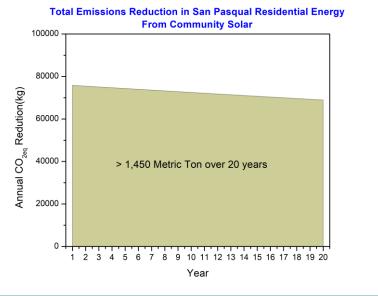
Contractual templates drafted (Residential Subscribers)

Utility billing software selected: Muni – Link

San Pasqual Community Benefits

- Cost
 - \$350-\$550 annual savings per household
 - 25% reduction in energy cost for San Pasqual targeted water utility meters
 - O&M partially self supported via subscription fees
- Climate
 - The full subscribing residential households have the potential to reduce Tribal CO₂ emissions by almost 1,500 metric tons over a 20-year period
 - Each subscribing household may reduce emissions from energy use by an average of 900 kg annually
 - Each Subscribing household may reduce emissions from energy use by as much as 18 metric tons over a 20-year period.





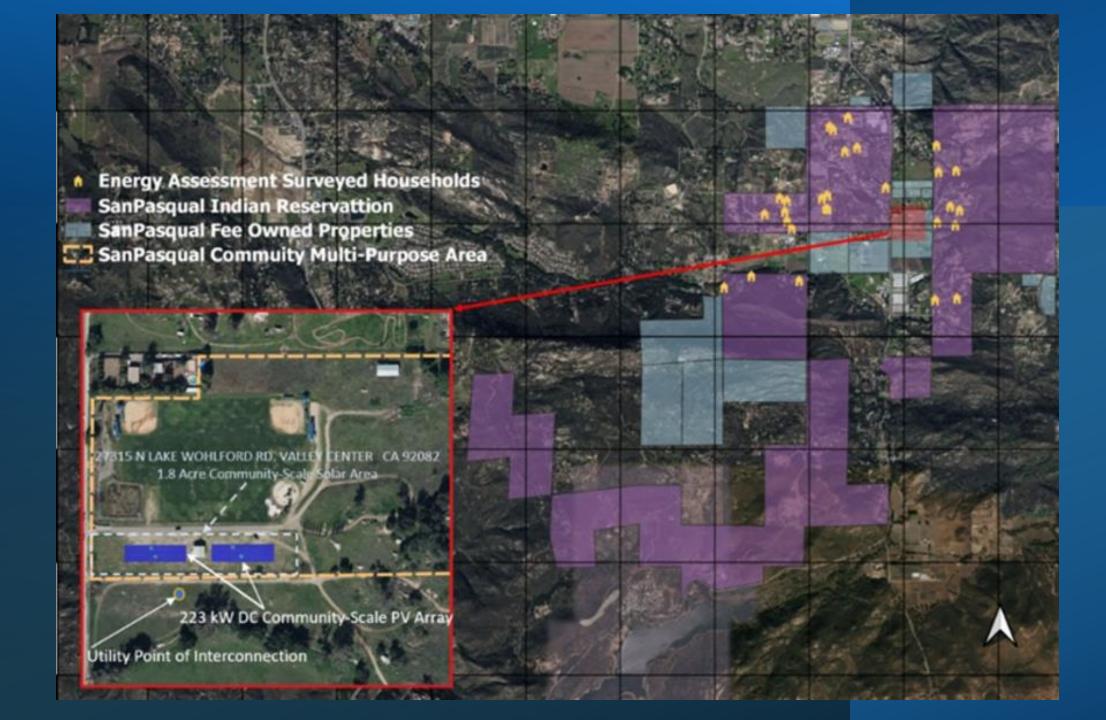
Site Selection and Permitting: Utility Engagement

Asset site approved

Point of Interconnection approved by SDG&E

Interconnection application submitted to SDG&E

SDG&E engineering invoiced and paid



Covid – 19 Impacts and Economic Impact

Government priorities shifted to community health and safety: No in person community meetings until spring 2021

Significant Impacts on Community engagement: Number of necessary community engagements more than doubled, energy data gathering slowed significantly, Tribal citizens' lives impacted with Covid

Utility/RFP/EPC/Third-party engagement delayed significantly

Supply chain and utility delays amplified

Inflation and cost of materials increasing beyond original budget (FY20 --- FY22): Steel, aluminum, panels, and labor have all increased

Engineering Design and GC NTP Authorization: Asset Construction

Multiple RFP response bids RFP re-issued in June 2023 received and reviewed August 2023 **July 2023 June 2023** Aug. 2023 Site walkdown for bidders completed in July 2023

San Pasqual Community Solar

- Current Status
 - New Ground Mount Array
 - Relocated to South Parcel
 - · Project original size maintained
 - Vendor selection conditions removed by grantor and New RFP awarded.
 - New ground mount system in design process
 - Residential subscriber acquisition reinitiated and caped at 50 max from original 80
 - Tribal Water Utility Meters will now receive benefits
 - Benefits modeling under new design and subscribers in progress



Revised Project Timeline																	
2021	2022				2023				2024				2025				2026
Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1
Orig	Original: Execute and Construct COVID and Financial impacts: Approx. 11 months project pause + Grantor reevaluation + financial impact delays												Year 01 Monitoring & Reporting				

San Pasqual Community Solar Project Challenges

- COVID and the global economic downturn impacts
 - Significant Project Cost increased = 20+%
 - Relocate project site
 - Multiple RFP release to cut costs
 - Re-engineering requirement
 - Possible Long lead material delays
 - Residential subscriber reduction + Tribal Government water meter receiving benefits
 - Increased Subscriber acquisition efforts
 - Additional data acquisition and modeling requirements
 - Utility program eligibility reevaluation and delays
 - Project deployment delay

Q&A

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