

Cocopah Indian Tribe

Cocopah Solar Project

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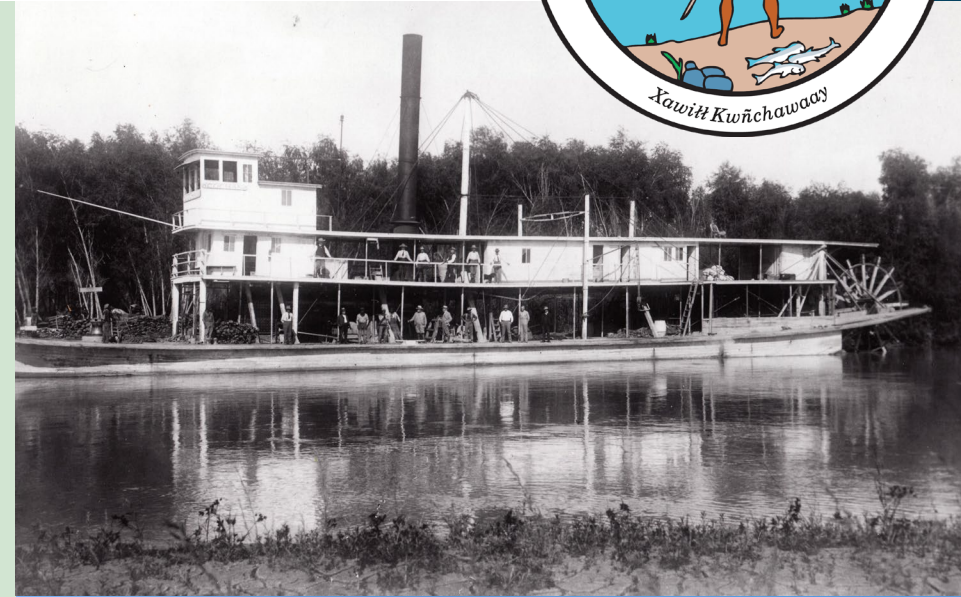
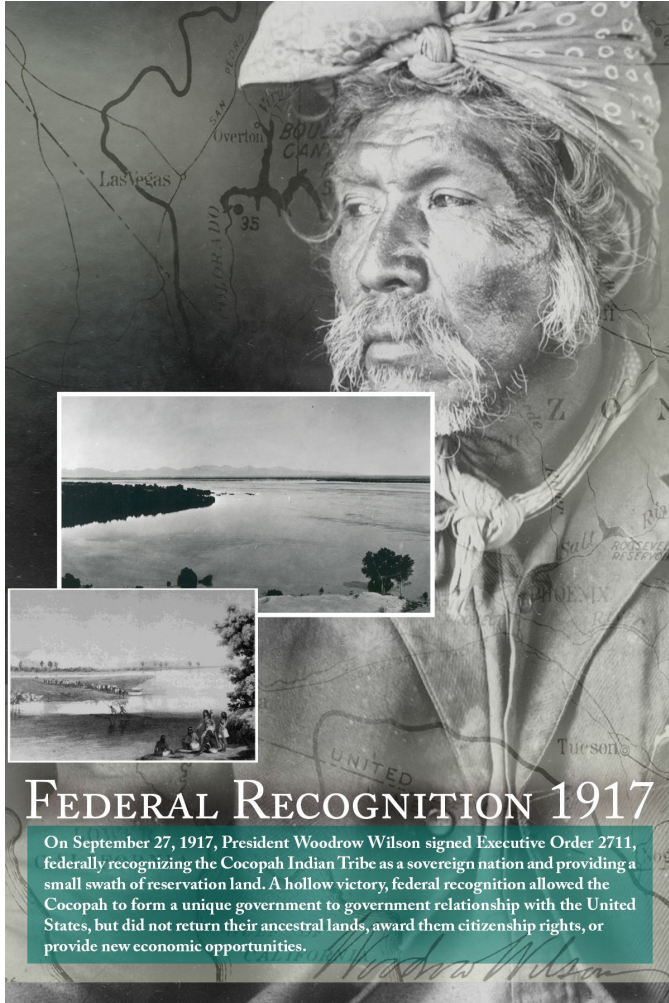
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Tribe & Project Background

Our history, our present, our future



Cocopah Indian Tribe History

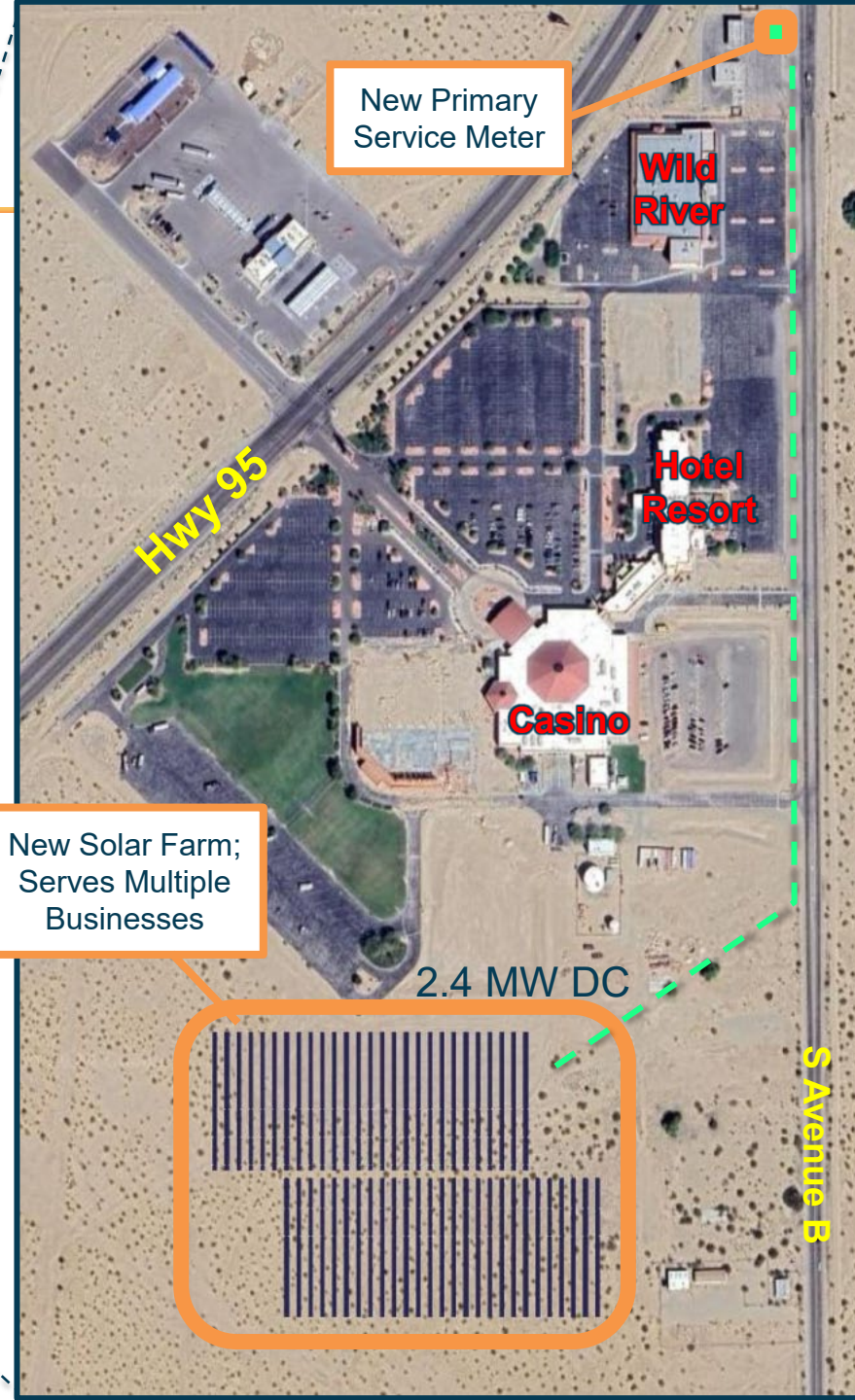
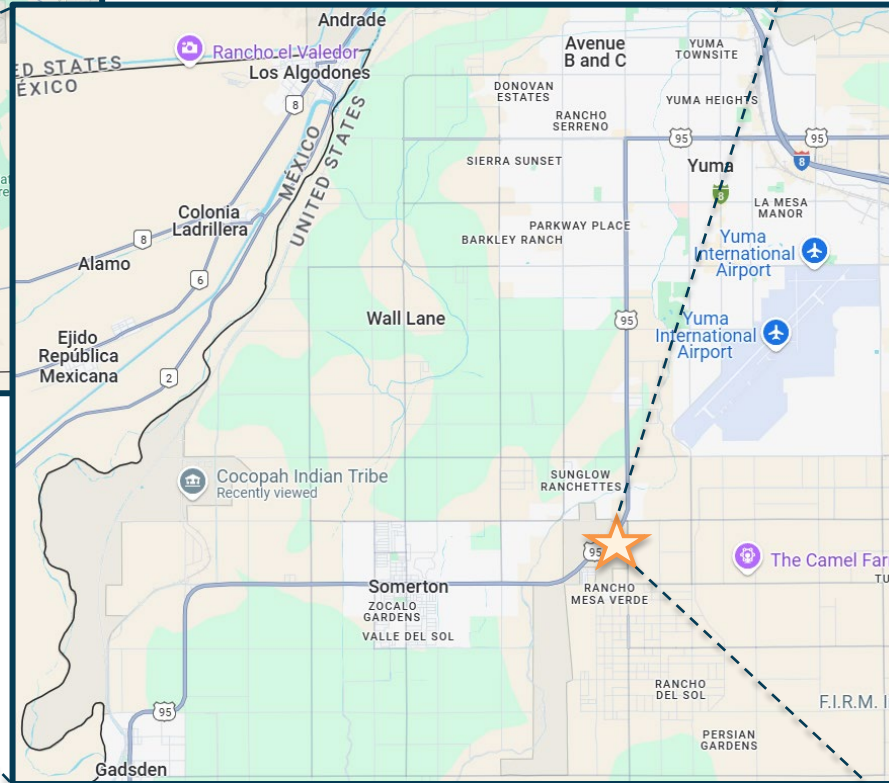
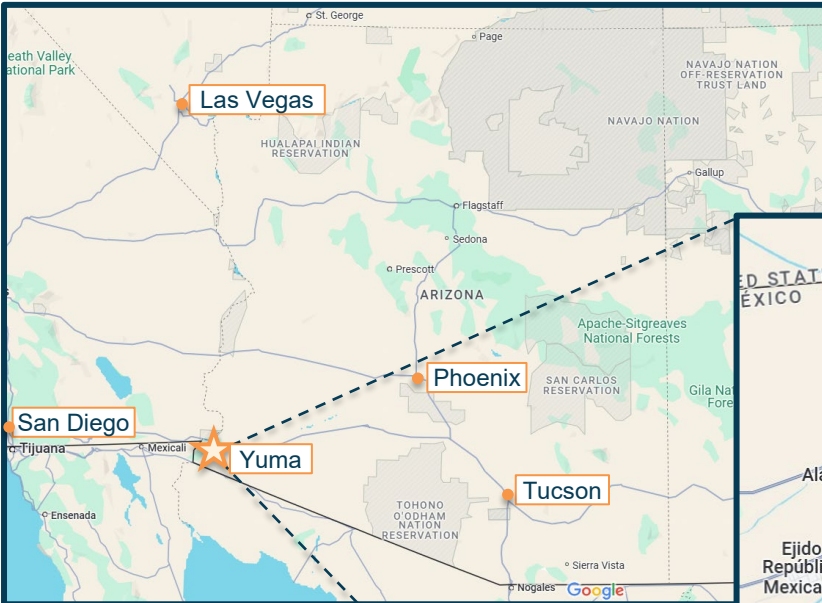


A Tradition of Honor. A Future of Progress.

Cocopah Solar Project

Project Location:

Cocopah Indian Tribe sovereign land located in the southwest corner of Arizona, near Yuma & Somerton





Cocopah Solar Project

Project Participants

- Gary Magrino, Cocopah Business Development
 - Principal Architect & Project Lead
- Scott Therien, Energy Consultant
 - Project Development & Coordination
- Ameresco Team – turn-key energy solutions
 - John Michaels, Project Manager
 - Will Heasley, Construction Manager
 - Ben Rosenberg, Engineering Manager
 - Austin Penn, Engineer

Cocopah Tribal Council

Chairwoman:

- Sherry Cordova

Vice-Chairman:

- Neil White

Council Members:

- Wynnne Ortega
- Florence Mills Fitch
- Jennifer Townsend



Cocopah Solar Project Objectives

Energy Independence

- Businesses arranged under “campus” configuration
- Autonomy for Cocopah to control energy & infrastructure decisions

Renewable Energy

- Cocopah businesses will be operated on a clean, renewable source of energy

Cost Savings

- Significant reduction in the annual cost of utilities paid to APS or other external sources

Project Overview

Meter Consolidation & New Solar Generation

*Energy Independence &
Cocopah-Owned Clean Energy*





Project Overview

Part 1: Meter Consolidation

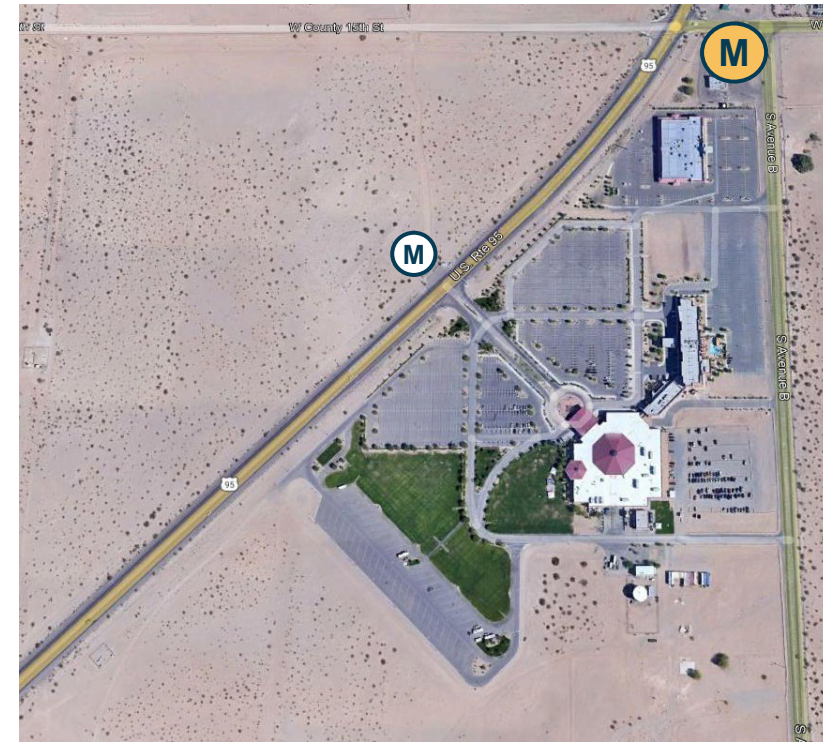
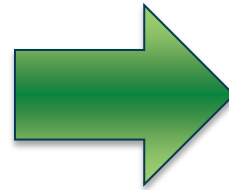
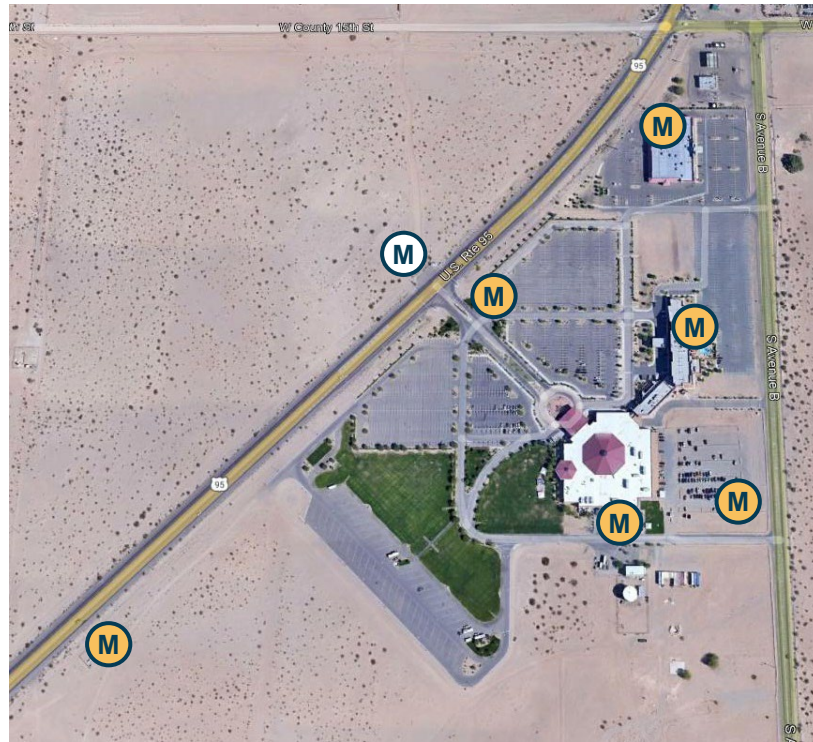
- Energy Independence & Cost Reduction
 - Converts 6 small meters to 1 “primary meter” with a better APS rate structure
 - Empowers the ability for solar generation & future business growth with reduced cost

Part 2: Solar Generation

- Clean Energy owned directly by Cocopah
 - Install a solar generation system to power the businesses that are fed by the new primary meter
 - Solar generation will reduce operating costs by offsetting energy charges from APS

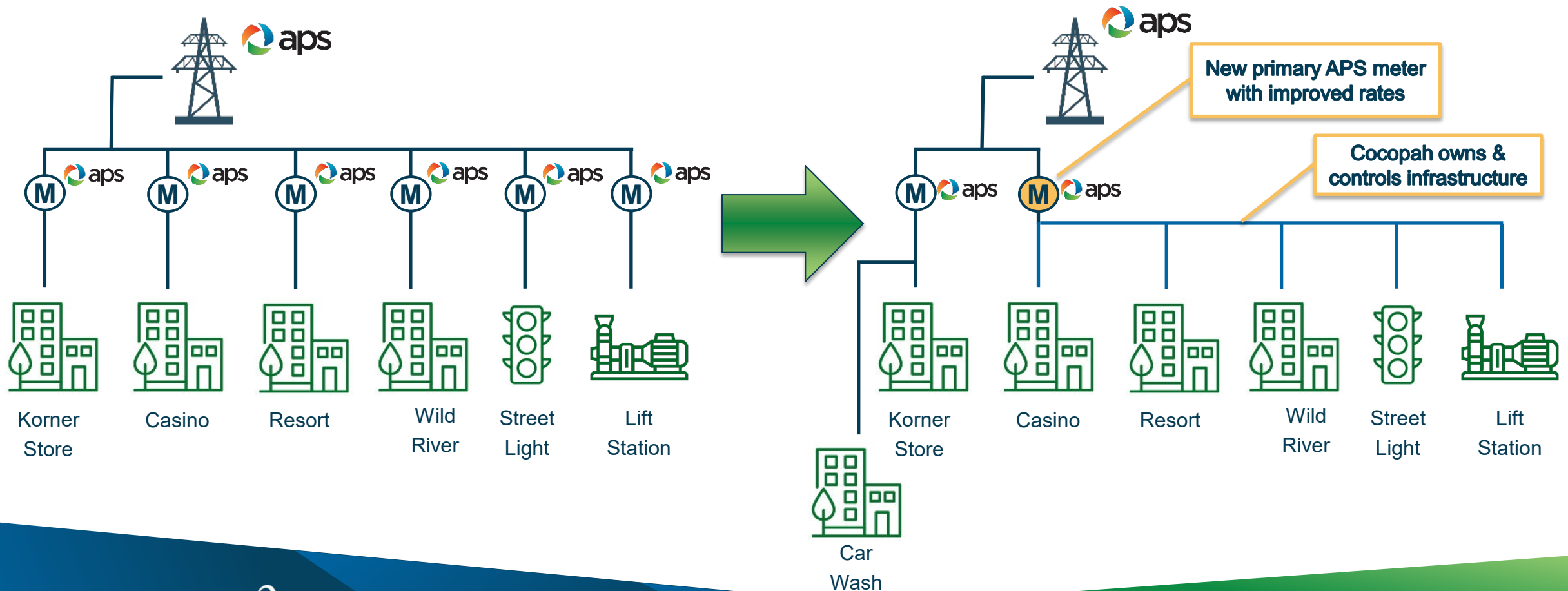
Part 1 – Meter Consolidation

Overview Aerial:



Part 1 – Meter Consolidation

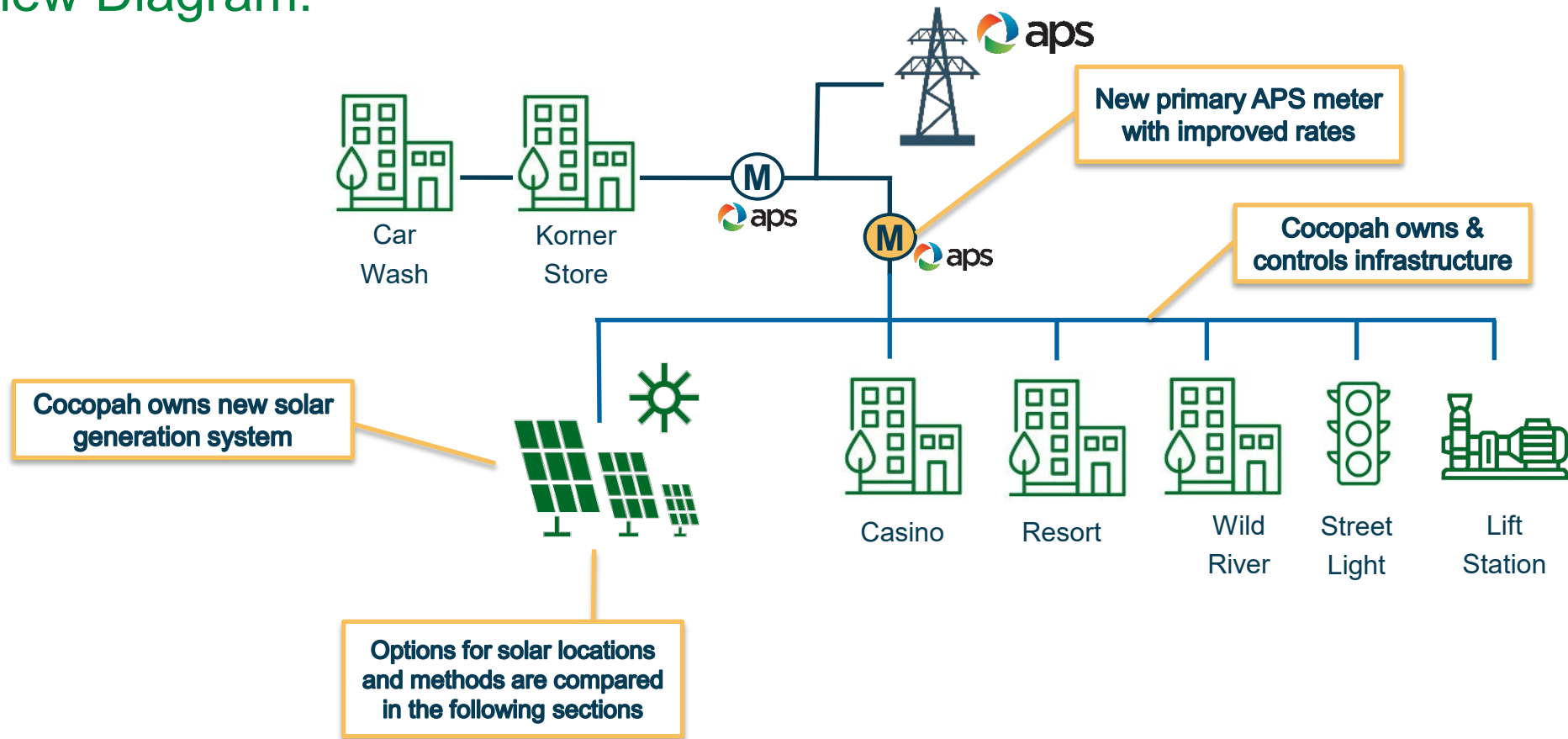
Overview Diagram:





Part 2 – Solar Generation

Overview Diagram:



Project Status & Progress

On the Path Forward



Project Milestones Progress

T#	Task or Subtask	M#	Milestone Description	% Complete
1.1	Engineering & Pre-Construction	1.1.1	Issued for Permit planset produced by Vendor	100%
		1.1.2	Major equipment (modules & inverters) ordered by Vendor	100%
		1.1.3	Issued for Construction planset produced by Vendor	100%
1.2	Project Construction	1.2.1	Vendor crews mobilize to site and commence construction	100%
		1.2.2	APS transfers ownership of equipment & installs new primary meter service	-
		1.2.3	Vendor crews complete site prep and civil work	50%
		1.2.4	Vendor crews complete installation of all racking piles and frames	-
		1.2.5	Vendor crews complete installation of all PV modules	-
		1.2.6	Vendor crews complete installation of DC wiring & equipment	-
		1.2.7	Vendor crews complete installation of AC wiring, equipment, & interconnection	-
		1.2.8	Physical installation of all system components is completed	-
1.3	System Commissioning	1.3.1	Data Acquisition System (DAS) is configured	-
		1.3.2	System performance testing is complete	-
		1.3.3	APS issues Permission to Operate (PTO) and the system is energized	-
2.1	Operations & Maintenance	2.1.1	O&M Agreement Executed	-
2.2	System Performance Reports	2.2.1	Reports on the first 12 Months of Operation	-

Recent Construction Activities Onsite

Site clearing & rough grading by civil crew



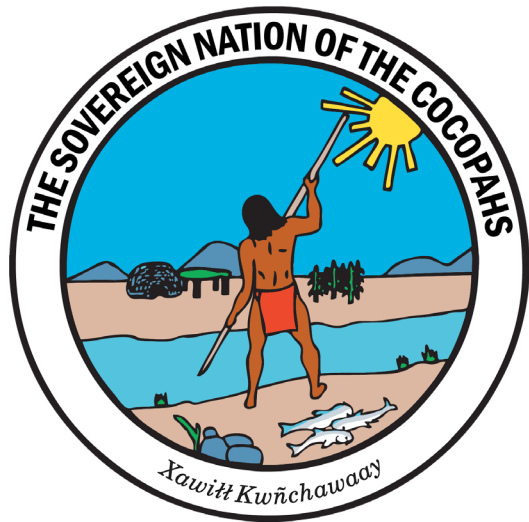
Recent Construction Activities Onsite

Soils investigation by geotechnical engineering crew



Upcoming Activity

- » [Nov]: Delivery of fencing & racking equipment to site
- » [Dec]: Installation of fencing to begin & complete
- » [Dec]: Installation of racking foundations & equipment to begin
- » [Jan]: Complete installation of racking/trackers



Thank You!



Gary Magrino

Director, Business Development

Cocopah Indian Tribe

Somerton, AZ