Quechan Solar and AI Data Center Power Proposal

QUECHAN SOLAR DATA CENTER PROJECT

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The Quechan Indian Tribe is granting permission to conduct due diligence for the **potential** development of a 200MW solar micro-grid and Artificial Intelligence (AI) data center. The potential project employs a **mechanically** cooled, small-scale, modular design which **does not use water** in the cooling process. The proposed Quechan Solar Data Center Project (QSDCP) will be **carbon neutral** as 60% of the power will be derived from solar energy and the remaining 40% provided by natural gas. The potential project will lease land from the Tribe and **will not use Tribal funds to be developed**. The land leased for the potential project (solar array and data campus) will be between 900 - 1,000 acres.

The goal of the QSDCP is to deliver **significant economic impact** to the Tribe and its membership while also **protecting culturally significant sites** and minimizing environmental impact associated with typical large-scale data centers.

SITE LOCATION IDENTIFICATION AND EVALUATION PROCESS

Working collaboratively with Tribal Economic Development Administration and the Culture Committee, the following sites were identified and evaluated as potentially feasible locations:

1. **SLIDE 1 - 500 kV NGIV1 - Barney Oldfield Road**
   - 1,000 – 2,000 acres
   - Cultural resource status assessed as “not suitable” as it contains numerous cultural resources
   - **Potential location deemed not feasible**

2. **SLIDE 2 – 161kV WAPA CA NW of All American Canal**
   - 1,000 – 2,000 acres
   - Cultural resource status assessed as “not suitable” as it contains a high volume of cultural resources.
   - **Potential location deemed not feasible**

3. **SLIDE 3 – 161kV CA/AZ RANCH Site**
   - 908 acres
   - Preferred development site
   - General area recommended by Culture Committee
   - Avoids fee and disputed title land

4. **SLIDE 4 – 500kV NGIV1 / N. Picacho Road**
   - 1,000 – 2,000 acres
   - Portion of area was initial site considered for ironwood Subdivision
   - Cultural resource status unknown and must be assessed

Consistent with the Culture Committee’s recommended location, we are proposing to develop the project on 908 acres as noted in Slide 3 Ranch Site. This area **avoids culturally sensitive locations** and is also preferrable from a infrastructure development perspective.

Proposed AI Development – Revolutionizing AI Computing with Modular Design

The proposed AI Data Center Modules are a next-generation computing infrastructure designed for high-performance AI, ML, and data-intensive workloads. The Modules are clusters of high-performing GPUs and CPUs optimized for AI, machine learning, Large-Language Models, and data processing tasks. They are committed to sustainability and focus on planning carbon-neutral operations to meet the needs of big data while also protecting the environment.

The proposed AI Data Center is committed to leading the evolution of AI compute by emphasizing three core pillars:

1. Modular Scalability – Modular Data Centers that are engineered for rapid deployment and installed in months rather than years, providing client-tailored scalability to meet diverse and growing compute demands.

2. Optimized Performance – the modular architecture enhances efficiency by enabling parallel processing, load balancing, and specialized AI models to run simultaneously, reducing latency and improving overall performance.

3. Green Power – the proposed AI centers are designed to harness renewable energy sources such as solar, wind, geothermal, and battery storage. This commitment to sustainability ensures that our operations are both cost-effective and environmentally responsible.

Data Centers and Public Concern

In the table below, we compare the proposed Quechan Solar Data Center Project to specific public concerns expressed on the Imperial Valley Data Center project:

Imperial Valley Concerns - Point-by-point comparison framework

Imperial Valley concern	Why opponents focus on it	How your project should be distinguished
Local burden vs. outside gain	A core theme in the public criticism is that outside developers and tech companies may capture most of the upside while the local community absorbs the long-term burden.	Your project is more of partnership model, not a host-community model. The Tribe and Tribal members will directly participate in the energy economics through annual distributions and indirectly from the taxes, employment, and infrastructure investment.
Water demand	Water is one of the biggest flashpoints because the project is being discussed in a desert region where resource constraints already matter politically and practically.	Your project will use little water overall and **none in the cooling process as 100% mechanical cooling** will be utilized. This materially changes the water use profile as it will only be needed for minimal office/employee use.

Imperial Valley concern	Why opponents focus on it	How your project should be distinguished
Power demand and grid strain	Critics are concerned that a very large load could stress local infrastructure or shift cost and reliability risk to the broader community.	Your project is unique in that the Tribe will **share in the energy revenue** generated by the micro-grid to power the data center. The energy infrastructure (Solar & Nat Gas) for a self-contained micro-grid that will sell power to the Data Center end-user under a Power Purchase Agreement “PPA”. The Tribe will share net PPA revenue in exchange for use of land.
Generators and noise	Nearby residents remain concerned about emissions, industrial activity, and quality-of-life impacts. This has been noted as a concern even where backup generation is described as emergency-only,	Your project is **rated as Carbon Neutral** as the project will derive 60% of its power from Solar, which significantly reduces generator use and emissions. In addition, noise will be controlled through the use of sound-attenuated acoustic enclosures that reduce noise levels to below 40 dBA nighttime and below 50 dBA during the day. These **levels are lower than both** the City of Yuma and Imperial Valley, CA requirements.
Pollution and air quality	Critics note that generators are close to homes and emit pollution into the air. In addition, the Imperial Valley project is using existing power sources, some of which is renewal and some is not. There also is concern that the Data Center will be mostly fueled from the generators.	Your project is rated as Carbon Neutral, as it will derive 60% of its power from Solar, which significantly reduces emissions. The remainder of the power will be provided by natural gas generators that are designed to reduce emissions with a carbon capture process.
Siting, Impact and Land Restoration	Opposition is intensified by the scale of the Imperial Valley proposal and its proximity to homes, schools, and existing neighborhoods.	The Culture Committee identified Ranch Site (Slide 3) as land that had been previously cleared for use. Approximately 900 acres, **representing less than 2%** of the Tribe’s total land, was identified for use within the Ranch Site as it has minimal cultural impact and limited proximity to homes, schools, and existing neighborhoods. In addition, the Tribe will negotiate an option at end of contract to either take over the infrastructure or have the buildings and solar removed **at no cost to Tribe.**
Heat / Land Surface Temperature (LST)	A March/April 2026 arXiv preprint reported an average 2-degree Celsius LST increase around large AI hyperscalers. Although this has not been Peer Reviewed, the concern is valid.	Smaller, scalable modular design has less impact than large sprawling campuses. Designed specifically for the desert to minimize impact including using heat-reflecting surfaces and materials (minimal asphalt, high-reflectance roofs, etc.)

Imperial Valley concern	Why opponents focus on it	How your project should be distinguished
Environmental review process	Critics point to Imperial County zoning regulations that exempt the proposed project from environmental review.	Solar and data center facilities would be constructed on leased Tribal lands, with **completion of an environmental review process** necessary for lease approval.
Long-term community benefit	Skepticism grows when benefit claims sound generic. People want to know exactly who benefits, how, and for how long.	Your project could provide estimated direct financial benefits of approximately $1billion over 20 years. Benefits include **direct payments** to Tribe and Tribal members, increased tax revenue, infrastructure development, construction employment and small business creation.

Summary

The Quechan Solar Data Center Project has many unique aspects that differentiate it from other projects. It has been specifically structured to maximize direct financial benefits to the Tribe and Tribal members and minimizing environmental and community impact. By working with the Tribe and the Culture Committee, we believe we have designed a project that successfully delivers generational direct economic impact without sacrificing Tribal culture or the environment.

Sources reviewed

Public materials used for background in this working draft (not formatted as legal citations):

- Imperial County, “Imperial Data Center Project – Initial Feedback Summary” (March 20, 2026).
- Imperial County, “Data Center Comments” public comments page.
- City of Imperial, “Large-Scale Data Center Complex at the Southeast Corner of Aten & Clark” (posted November 25, 2025).
- KPBS, “The plan to build a massive data center in Imperial County without environmental review” (January 21, 2026).
- Imperial Valley Computer Manufacturing website, infrastructure/project overview pages.

Quechan Solar and Data Center
Pro - Forma

Solar Cost	$	715,000,000.00
Data Center Cost	$	2,000,000,000.00
Total Cost	$	2,715,000,000.00

Quechan Total Cash Cost **$0.00**

LAND REQUIREMENTS	**ACRES**
AI Campus	200
Energy	750
TOTAL ACRES	**950**

20 Year Agreement

Total Cash to Tribe	**$**	**46,000,000**
Total Cash to Tribe 20 Years	**$**	**920,000,000**

Additional Benefits to Tribe

Sales tax potential on $2,000,000,000 data center project (to be negotiated by Tribe and Vendor)
The sales tax could bring an additional $20,000,000 (at 1%) to $120,000,000 (at 6%)

Tero Workers - the Tribe will be able to supply workers for the 18-24 month project

*Amounts are all estimated, however, discussions have been ongoing and these projections represent the verbal discussions. Once the land is identified, the vendor will sign into an agreement with the Tribe and the Tribe will be able to negotiate the sales tax and Tero workers needed for the project.

Potential Cash Allocation Scenario

Estimated Annual cash to Tribe Annual

			Annual Amount Per Individual	Monthly Amount Per Individual
	$	**46,000,000**		
50% General Welfare of the Tribe	**$**	**23,000,000**	**$ 5,750.00**	**$ 479.17**
25% Tribal Government Operations	$	11,500,000		
15% Tribal Infrastructure	$	6,900,000		
10% Senior Distribution	**$**	**4,600,000**	**$ 8,363.64**	**$ 696.97**

Estimated 20 year cash to Tribe

			20 year total per person
	$	**920,000,000**	
50% General Welfare of the Tribe	$	460,000,000	$ 115,000.00
25% Tribal Government Operations	$	230,000,000	
15% Tribal Infrastructure	$	138,000,000	
10% Senior Distribution	$	92,000,000	$ 167,272.73

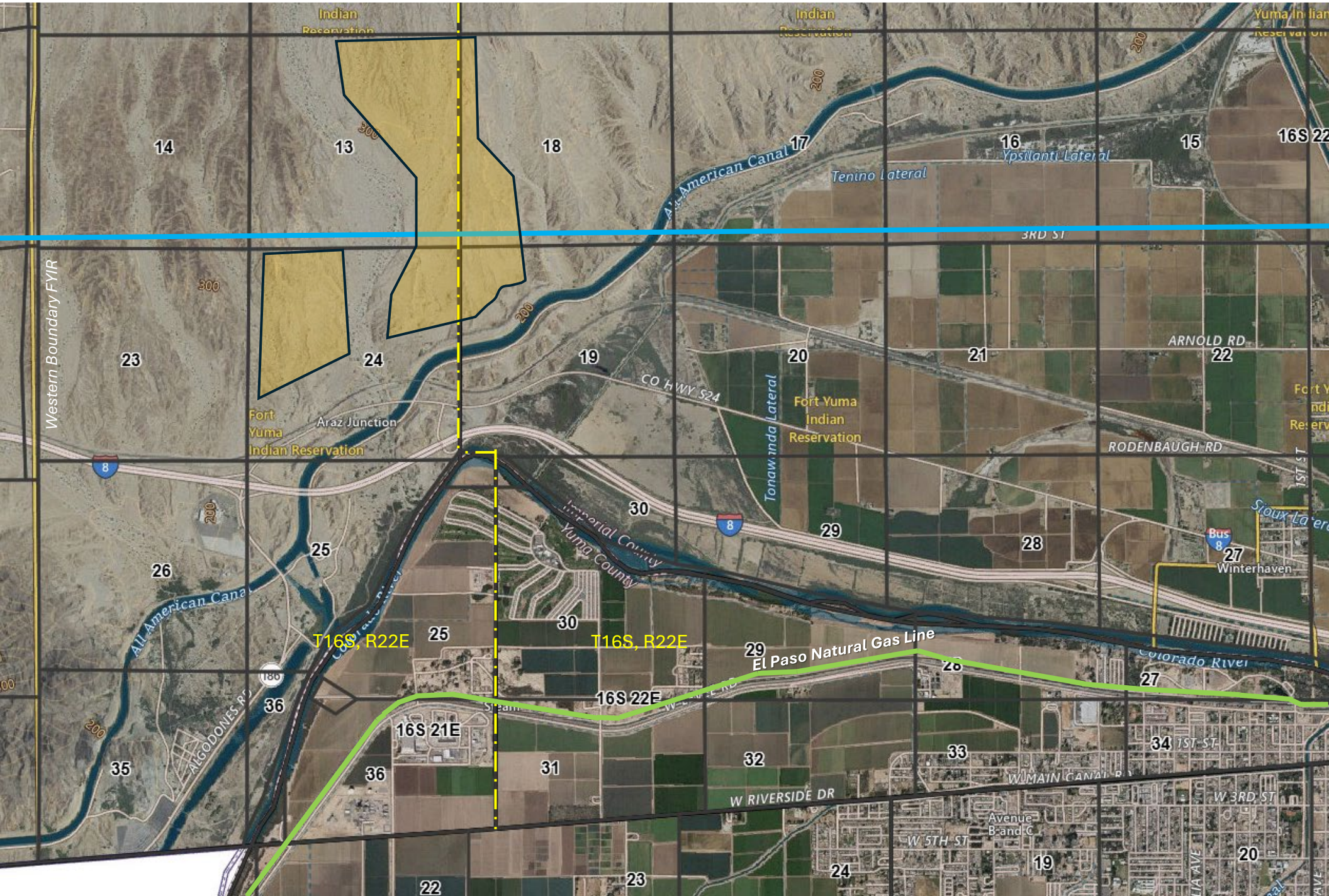
*The above amounts are based on 4,000 Tribal members and 550 Seniors
**The above allocations are estimated for illustrative purposes only.
***The above amounts are not inclusive of the current casino per capita payments, those are calculated seperately.
****All allocated amounts are at the sole discrection or Tribal Council.

Potential Sites – Solar Power Facility/Data Center, Fort Yuma Indian Reservation, CA – Slide 1

- Seeking 1,000-2,000 acres near the 500kV North Gila-Imperial Valley 1 (NGIV1) transmission line (blue) and Barney Oldfield Road
- Each square outlined in black is a section of 640 acres or a square mile; the section number appears in the center of each square
- Each area shaded in orange indicates a potential site, relatively flat, outside of washes; cultural resource status unknown and must be assessed

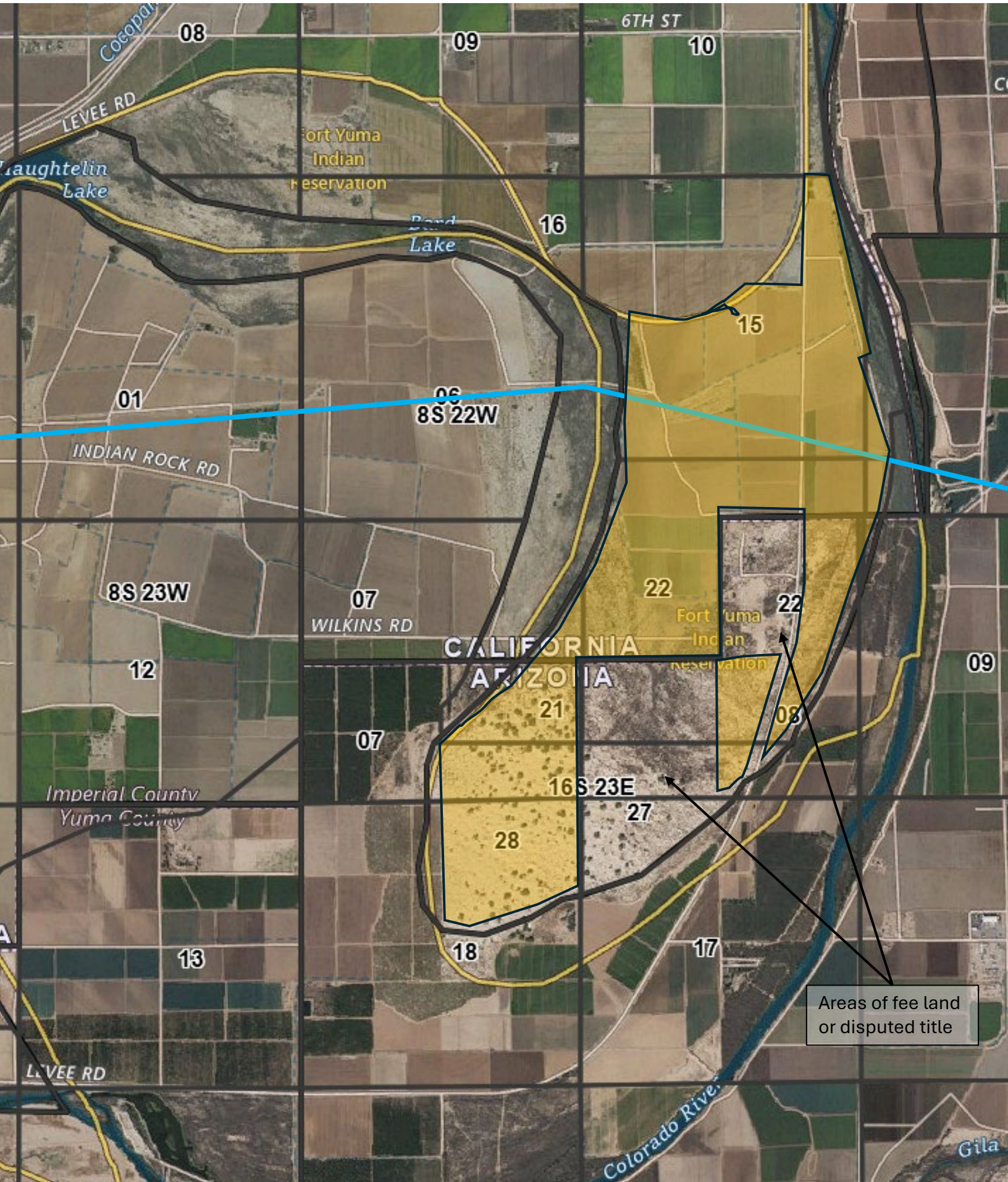
Potential Sites – Solar Power Facility/Data Center, Fort Yuma Indian Reservation, CA – Slide 2

- Seeking 1,000-2,000 acres near the 161kV Western Area Power Administration (WAPA) transmission line (blue) and its service road
- Each square outlined in black is a section of 640 acres or a square mile; the section number appears in the center of each square
- Each area shaded in orange indicates a potential site, relatively flat, outside of washes; cultural resource status unknown and must be assessed



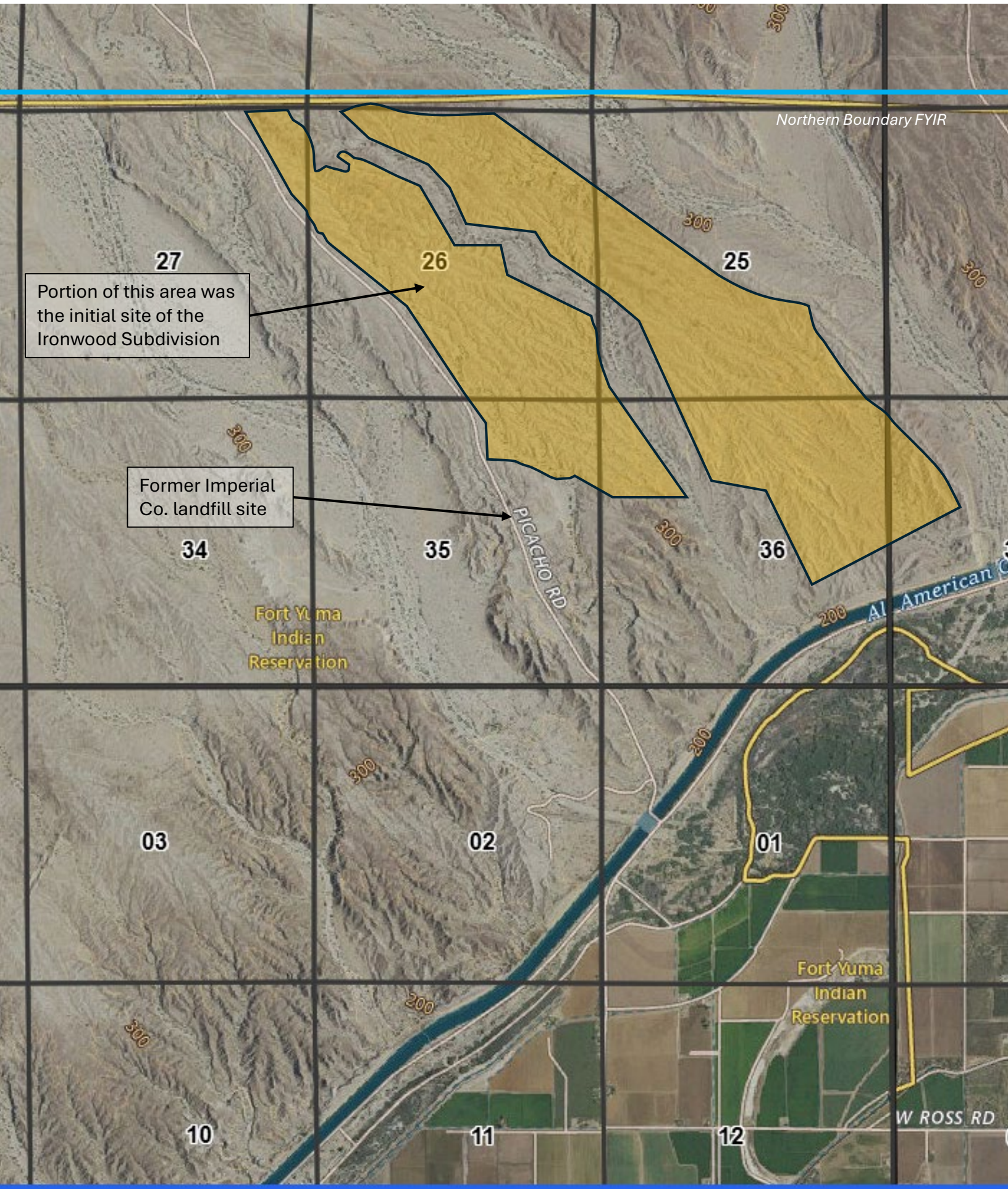
Potential Sites – Solar Power Facility/Data Center, FYIR, CA/AZ – Slide 3

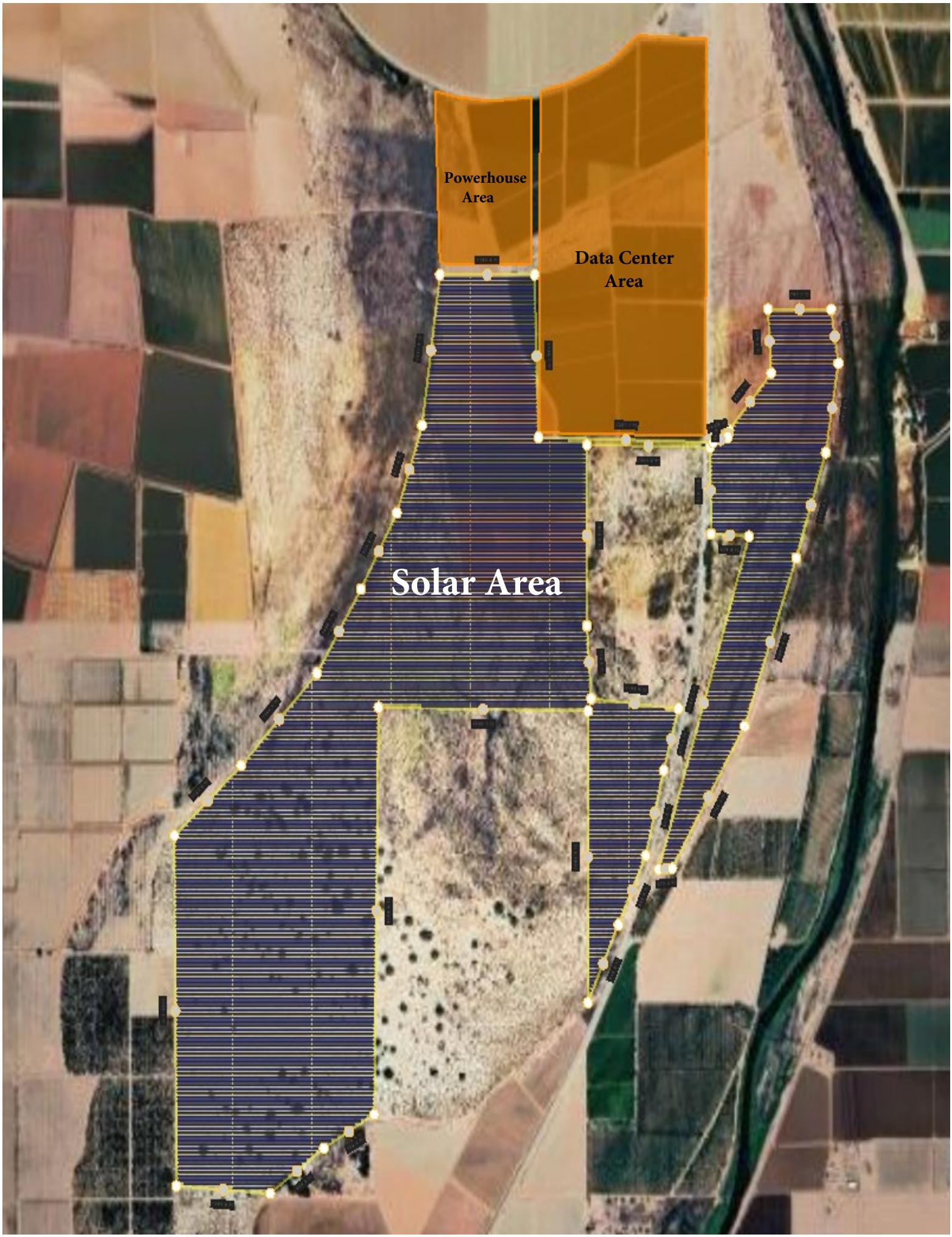
- Area is near the 161kV Western Area Power Administration (WAPA) transmission line (blue) and its service road
- Each square outlined in black is a section of 640 acres or a square mile and is labeled with a section number
- The area shaded in orange is a 908-acre potential site; cultural resource status unknown and must be assessed



Potential Sites – Solar Power Facility/Data Center, FYIR, CA – Slide 4

- Area is near the 500kV North Gila-Imperial Valley 1 (NGIV1) transmission line (blue) and its service road
- Each square outlined in black is a section of 640 acres or a square mile and is labeled with a section number
- The areas shaded in orange are potential sites; cultural resource status unknown and must be assessed




Powerhouse Area
Data Center Area
Solar Area