

DOCKETED

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Regional Roundtable 9: CEC Order Instituting an Informational Proceeding on Tribal Affairs and Tribal Energy Sovereignty

May 6, 2026

Welcome and Opening Remarks





Meeting Logistics

- Public Comment Opportunities
- Principles of a Respectful Meeting

GAVIN NEWSOM
GOVERNOR



CHRISTINA E. SNIDER
TRIBAL ADVISOR

CALIFORNIA TRUTH & HEALING COUNCIL

PRINCIPLES FOR RESPECTFUL MEETINGS



Agenda for Today

- Welcome and Opening Remarks
- Tribal Consultation Policy (CEC and CPUC)
- Tribal Energy Sovereignty
- Best Practices for Tribal Energy Grants
- CPUC Tribal Land Transfer Policy
- Improving Energy Project Development Processes
- Tribal Cultural Resource Considerations Regarding Clean Energy Development
- Tribal Energy Equity Indicators
- Closing Remarks

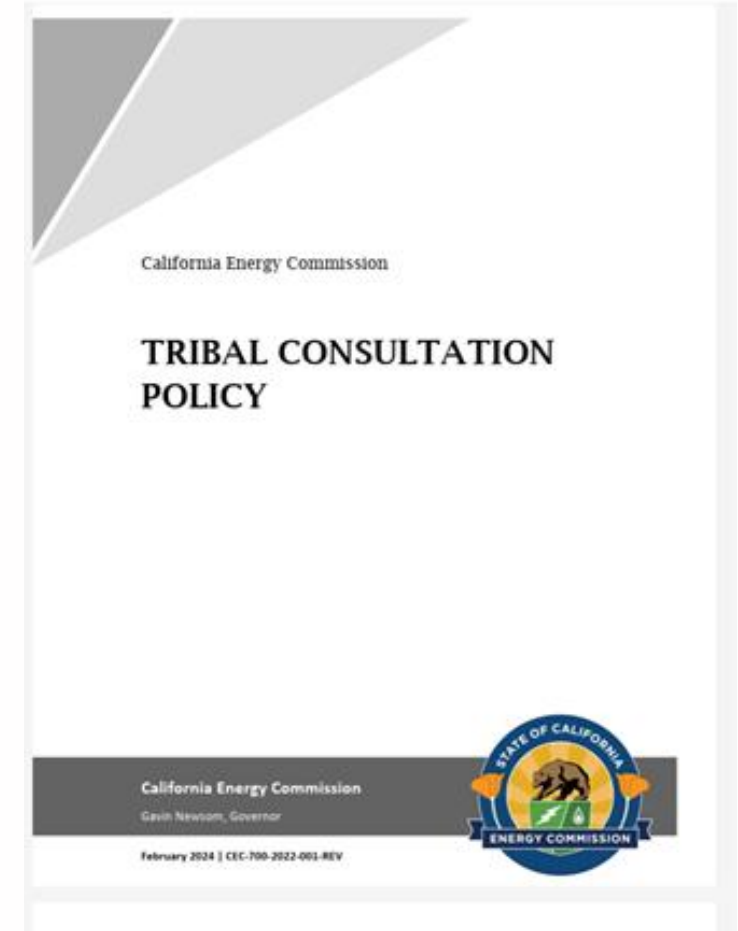
Tribal Consultation Policy





CEC Consultation Policy

- Adopted 2014
- Administrative Update February 2024
- California Natural Resources Agency Tribal Consultation Policy November 2012 (Recently updated 9/2025)
- Assembly Bill (AB) 923





CEC Tribal Consultation Policy Overview

- Identifies the responsibilities and organization of the CEC
- Designation of the CEC Tribal Liaison and Assistant Tribal Liaisons
- Affirms CEC Tribal Liaison participation in the Tribal Liaison Committee
- Outlines CEC's tribal consultation process
- Mechanisms for exchanging confidential information
- Stipulates filing and disclosure requirements concerning CEC tribal communications
- Suggests ways for fostering long-term relationships



Examples From Other Consultation Policies

- Adequate preparation
- Mutual respect
- Relationship building
- Co-management
- Traditional Ecological Knowledge
- Importance of cultural resources and restoration
- Transparency and on-going communication

Tribal Statewide Summit & Regional Roundtables

California Public Utilities Commission

Tribal Policy Rulemaking, Tribal Consultation Policy & Tribal Land Transfer Policy

Spring 2026



California Public
Utilities Commission

CPUC Tribal Policies and Order Instituting Rulemaking (OIR)

- 2018: CPUC adopts a **Tribal Consultation Policy (TCP)**
- 2019: CPUC adopts a **Tribal Land Transfer Policy (TLTP)**
- 2021: CPUC adopts implementation guidelines for the TLTP
- 2022: CPUC opens [rulemaking](#) (R. 22-02-002) to consider revisions to TCP and TLTP and to improve Tribal access to Commission programs and proceedings
- 2022-Present: CPUC consults with Tribes to receive feedback on policies.
- 2026: CPUC will make revisions based on Tribal feedback and publish proposed decision

Tribal Consultation Policy Revisions

- **Goals of Policy Revisions**
 - Recognize and respect Tribal sovereignty
 - Protect Tribal resources and treat those resources with dignity
 - Encourage Tribal government participation in Commission proceedings
 - Institutionalize the Commission's policy of "Early, Often, Meaningful" consultation
 - Set forth the responsibilities of the Office of the Tribal Advisor and Division liaisons
- **Coordinate Tribal Consultation for CPUC Project Review Processes**
 - Electric Transmission and Substation Projects
 - Gas Projects
 - Water Projects
 - Broadband Projects
 - Rail Crossings



Objectives of Consultation

- **“Early, Often, and Meaningful” Consultation**
 - "Early" means before Commission actions and Decisions have been made, and as early in the decision-making process as possible.
 - "Often" means the Commission will strive to build relationships with Tribes throughout the decision-making process, before consultation is needed.
 - "Meaningful" consultation requires the Commission to hear, understand, respect, and consider Tribal feedback and comments using a consensus-seeking approach.
 - **Parties may not agree, but the Commission must demonstrate an understanding of Tribal recommendations and explain why the recommendations could or could not be integrated.**
- **Consultation Objectives**
 - Proactively share pertinent documents and information with Tribal representatives.
 - Conduct consultation within timelines that accommodate Tribes' decision-making processes.
 - Strive for collaborative problem-solving and advancing Tribal priorities in Commission decision-making.

Tribal Consultation Approach

- The Commission first considers whether an action has potential tribal implications:
 - **Does it impact tribal cultural resources, ancestral lands, sacred sites and landscapes, access and use of ancestral lands, ancestral land return, natural resources, economic development, or increase availability of public resources and services to tribal communities?**
- Tribes and the Commission should identify key milestones and timing associated with the action to determine when to initiate consultation.



Formal & Informal Consultation

- **Informal Consultation:** Tribes are encouraged to contact the Office of the Tribal Advisor following the principles of early, often, and meaningful.
 - Intended to address tribal concerns at the staff/technical level by engaging the Tribal Advisor to coordinate appropriate subject matter experts for timely problem solving.
- **Formal Consultation:** Government-to-Government dialog between official representatives of a tribe and the Commission that is initiated via a formal request and follows a prescribed process.
 - Request from tribe in writing to the Tribal Advisor, Executive Director, or Commissioner(s).
 - Formal consultation will be initiated within 60 days of the request or earlier if matter is urgent or time sensitive.



CPUC Implementation of Tribal Consultation Policy

- Governor-appointed CPUC Tribal Advisor:
 - The Tribal Advisor is the lead CPUC staff person responsible for engaging with and assisting tribes
 - Point of contact for Tribal governments and Commission staff
 - Tribal government representatives may also directly reach out to Commissioners.
 - Coordinates outreach, communication, education, and other activities to promote tribal engagement and consultation and implement the Tribal Consultation Policy.
- Division Tribal Liaisons:
 - Each CPUC Division Director is required to designate a Tribal Liaison
 - Supports Tribal Advisor and connects CPUC Divisions to Tribal Advisor
 - Participate in engagement activities, providing briefings to the Tribal Advisor, Executive Management, and Commission offices, as needed
 - Complete statewide tribal consultation training and other relevant training

Facilitating Tribal Government Participation in CPUC Programs and Proceedings

- The CPUC Tribal Advisor and Public Advisor's Office will assist Tribes to participate in proceedings or identify appropriate staff or decision-makers
- Tribal Advisor and ALJ Division will develop a notification process to ensure tribes are aware of proceedings impacting Tribes
- Staff will assist Tribal governments to become parties to proceedings, if desired, and locate or submit information to the record
- The Commission will ensure that Tribal governments are informed about how to participate in Commission grants and utility incentives and subsidies

Recourse for Failure to Implement Tribal Consultation Policy

- If a Tribal Government believes the Commission has not met the standards of the Commission's Tribal Consultation Policy:
 - Tribe may submit a written letter to the Executive Director of the CPUC explaining the deficiencies
 - Within 30-days, the Executive Director will either meet with the Tribal government or respond in writing
 - Executive Director will then direct further consultation or other actions as appropriate to bring Commission into compliance with its Tribal Consultation Policy

Providing Comments on CPUC Tribal Policies

- In September 2025, the Assigned Commissioner's Ruling invited parties to comment on proposed modifications to the Commission's Tribal Consultation Policy (TCP) and Tribal Land Transfer Policy (TLTP)
 - [Ruling and TCP Documents](#)
- Parties are also invited to address questions regarding the implementation of those policies and associated issues arising from workshops and tribal consultations that have been conducted as part of the rulemaking



Any Feedback on State Energy Agency Consultation Policies? (slide co-developed 05/06/2026)

- AB 52 and SB 18 (local government) consultation requests – get a lot of requests and not able to respond to all
- Appreciate receiving notices even if they are not able to respond to everything
- Appreciate agency commitment to Tribal energy sovereignty; Tribal government partnerships, cultural integrity of Tribal projects
- Opportunity to communicate effectively – administrative review before public review; support of technical advisors and staff
- How to finance projects and infrastructure – need for re-aquisition of land to support and benefit community
- Supporting opportunity for members who want to return home and enhance workforce development programs
- Important to maintain cultural traditions
- Continue opportunity to engage and have panel discussions with agencies and organizations
- Sharing data and emphasis on data sovereignty
- CEC and CPUC consults with all Tribes regardless of federal recognition
- Do not define CA Native American Tribes as NAHC list
- Striking through any language that references the Native American Heritage List, as list could change and leave tribes without ability to consult
- Move from a notification to early drafting or early co-development of state policies; bring Tribes into the early processes and discussions

Tribal Energy Sovereignty





History of Resolution Committing to Support Tribal Energy Sovereignty





Components of Resolution Committing to Support Tribal Energy Sovereignty

Goals

- **support** tribal self-determination, self-government, and **energy sovereignty**;
- **enhance tribal consultation** and participation in decision-making related to clean energy planning and development in California;
- **improve the protection of sacred sites**, cultural resources, and access to ancestral lands;
- **increase tribal access** to federal and state energy funding opportunities;
- **provide opportunities** for economic diversification, career development; and investment in renewable energy for California tribes;



Components of Resolution Committing to Support Tribal Energy Sovereignty

Actions

- enter into memoranda of understanding (MOUs) with interested California tribes to establish **frameworks for collaboration** on key energy policy and planning initiatives;
- develop **capacity building** and technical assistance resources to support clean energy transitions, advance the development of tribal energy enterprises, and increase access to clean energy programs;
- increase **tribal set-asides** within State programs and funding opportunities;
- partner with California tribes to pursue **federal funding** opportunities;
- prioritize **community benefits** within programs, policies, and planning initiatives;
- enhance **land-use considerations** in clean energy planning for the protection of tribal cultural resources;
- increase cultural awareness and **knowledge of tribal priorities** among Commission staff to better inform the development of programs, policies, and planning initiatives.



Components of Resolution Committing to Support Tribal Energy Sovereignty

Actions Related to Land

- provide assistance to facilitate California tribal government access to existing **information concerning land that may be of interest** to California tribes, including the environmental condition of the land;
- encourage and support opportunities for entities with whom the Commission conducts business with or otherwise regulates or interacts, including, but not limited to, publicly owned utilities, to provide California tribes **access, use, and co-management of lands** and to work cooperatively with California tribes that are interested in acquiring lands in excess of State needs; and
- encourage and support local agencies, as defined by Government Code section 54221(a), with whom the Commission interacts, to **transfer ownership of surplus lands** with which California tribes have a cultural connection or are within a California tribe's ancestral land.



Where we are today...

State Funding Eligibility Expanded

- Energy Conservation Assistance Act (ECAA)

Capacity Funds

- California Clean Energy Policy and Planning Program (CCEPP)
- Offshore Wind Capacity Fund

Tribal Set-Asides

- Tribal Specific Equitable Building Decarbonization Program (Tribal EBD)

Removing Funding Barriers

- Tribal Electric Vehicle Infrastructure, Planning, and Workforce Training and Development

Tribal Engagement in Planning

- Offshore Wind
- SB 100

Advancing in Tribal Energy Sovereignty State Partnership Frameworks





Advancing in Tribal Energy Sovereignty State Partnership Frameworks

Continued





Advancing in Tribal Energy Sovereignty State Partnership Frameworks

Continued



Structural Models for Tribal Energy Sovereignty

TACE



Tribal Advocacy Council on Energy



Any feedback on Tribal Energy Sovereignty and the related policy? (slide co-developed 05/06/26)

- In the budgeting process, make sure there are tribal set-asides
- Public, private funding, creating more opportunities for blended finance. Patents
- Tribes connected to land and energy sources. Tribal peoples hold this altogether – example of Celestial, terrestrial and mycelian (fungal) networks
- Natural resources are being pursued, but leaving people out. Making sure people benefit. Example of World Cup and Olympics in LA—Paiutes in the Sierras supplying the water but not benefiting.
- Include youth and technology in process
- Shift from extractive industry to restorative
- Are those who are benefitting from resources re-investing into the communities? Creating more mechanisms for reinvestment.
- Before funding is put out, making sure tribes can review app guidelines ahead of time so that tribes included. Appreciate that we are doing that.
- Grants that support capacity of the Tribe; helps grow the Tribe in between funding cycles. EPA grants as a potential model.
- Renewables (solar and hydro) potential in the Sierras
- Building efficient housing; thinking about how to use the sun to capture energy for homes. Energy efficiency in homes (low income; high return on efficiency)
- For funding programs like EPIC making sure not bringing in technologies that tribe can't support.
- Technical assistance on grants and funding opportunities is appreciated
- Could grant applicants get more points when they work with a tribe?
- Capacity – Tribes are at different levels; some need partners and this creates challenges. Ensure grants are attainable for smaller Tribes and those just starting the process. More assistance and guidance needed.
- Geothermal – traditional, enhanced
- Battery development an area of interest – mixed views on extraction, but room for innovation here.
- How can Tribes be part of innovative energy solutions? Include partnership requirements in grants? Tribes could partner with research agencies

CPUC Tribal Land Transfer Policy

Tribal Land Transfer Policy Background

- December 2019: CPUC adopts the Tribal Land Transfer Policy (TLTP)
 - The purpose of the TLTP is to provide tribes with the opportunity to regain ancestral land currently owned by Investor-Owned Utilities regulated by the CPUC (e.g., PG&E, SCE, SoCalGas, and SDG&E)
- January 2021: CPUC adopts TLTP Implementation Guidelines
 - Adoption of the Implementation Guidelines made participation mandatory for energy and large water IOUs
 - Adopted in Resolution E-5076
- February 2022: CPUC initiates a Rulemaking (R.22-02-002) to consider revisions to improve the TLTP Implementation Guidelines based on Tribal feedback

Tribal Land Transfer Policy Goals

- Recognize and respect Tribal sovereignty
- Protect Tribal sacred places and cultural resources
- Ensure meaningful consideration of Tribal interests and the return of lands within a Tribe's ancestral territory
- Encourage and facilitate notice and tribal participation in matters before the Commission that involve Real Property transfers subject to Public Utilities Code Section 851 through either formal applications or the Advice Letter Process

Tribal Land Transfer Policy Procedures and Scope

- Prior to an Investor-Owned Utility disposition of real property, the utility will first offer applicable Tribes the right to take or purchase the property
- Mandatory Tribal noticing requirements provide Tribes with sufficient time and information to determine whether to indicate an interest in a specific property and later negotiate acquisition of the land
- The TLTP applies to IOU real property whose disposition is subject to approval by the Commission, including but not limited to transactions requiring Public Utilities Code Section 851 approval

Proposed Revisions to the TLTP In Response to Tribal Input

- Proposed revisions are based on feedback obtained during:
 - Tribal Policies OIR regional tribal consultations held in 2022-2025
 - Formal comments received in response to the Assigned Commissioner's Ruling Inviting Comment on the Revised TLTP 2.0
 - Staff proposed improvements from review of IOU TLTP Quarterly Reporting
- Proposed revisions identify possible changes to the TLTP intended to improve tribal participation and outcomes
- Proposed revisions identify potential future workshop topics including:
 - Discussion of tribal experience with the TLTP
 - Development of maps of IOU land holdings within respective service territories
 - Increased access to CPUC staff

Proposed Revisions to TLTP

- Extend the time period for Tribe to express interest in property.
- Provide Tribes with more information up front about properties.
- Develop maps of IOU owned fee lands.
- Create Tribal Map overlays for IOU service territories.
- New Quarterly Reporting Meeting and Uniform IOU Public Website.

Additional CPUC Resources to Facilitate the TLTP

- The Commission's Tribal Liaison and assigned Energy Division staff will assist in implementing the TLTP in coordination with the Office of Tribal Advisor
- Providing a point of contact for tribes seeking advice on Commission proceedings, pending applications, and advice letters regarding dispositions of real property
- Tribal Governments may contact the Commission's Office of the Tribal Advisor or the Commission's Public Advisor for assistance:
 - E-mail: TribalAdvisor@cpuc.ca.gov, Public.Advisor@cpuc.ca.gov
 - Phone: (866) 849-8390

CPUC Contact Information

Office	Personnel	Contact Info
Commissioner Darcie L. Houck	Caleb Jones, Advisor Amanda Singh Birmingham, Chief of Staff	Caleb.Jones@cpuc.ca.gov Amanda.Singh@cpuc.ca.gov Request a Meeting with Commissioner Houck: Meeting Request Form - Commissioner Houck
Tribal Advisor's Office	Governor's Office is hiring for Tribal Advisor	TribalAdvisor@Cpuc.Ca.Gov
Executive Director's Office	Tom Gates	Thomas.Gates@Cpuc.Ca.Gov
Public Advisors Office	Eric Sawyer	Eric.Sawyer@Cpuc.Ca.Gov
Administrative Law Judge	Assistant Chief ALJ Anthony Colbert ALJ Valerie Kao	Anthony.Colbert@cpuc.ca.gov Valerie.Kao@cpuc.ca.gov
Public Advocates Office	Toni Floyd Cat Blake	Antoinette.Floyd@Cpuc.Ca.Gov Catherine.Blake@Cpuc.Ca.Gov





Any feedback on the Tribal Land Transfer Policy? (slide co-developed 05/06/2026)

- LAWDP lands – would these qualify under the policy?
- Expanding the lands that are covered, including public utilities such as LAWDP
- Helpful to add map of utility holdings on Tribal lands
- Actionable results – quarterly or annually. Have meetings where CPUC, utilities report back on progress under TLTP.
- What is land ownership – past and present; taking into account unratified treaties
- How are the ancestral territories being returned. How does utility determine which lands are deemed surplus? How can tribes have a say in this?
- Case studies with academic partners to determine how land ownership has changed
- Right now it is utilities that are determining which lands are surplus – think of the lands from a Tribal perspective and Tribal voices need to be involved to help identify sacred lands and mitigate Tribal member residence disturbance
- Respect Tribal and cultural significance; take a harder look at utility owned land with Tribal significance – not just surplus. Need Tribal access and consideration. They should also be able to purchase economically viable lands that are culturally significant for the tribe, not just those that are deemed surplus.
- Important to understand the process of how maps are created; what land is included?
- Need something beyond a policy to help protect Tribal lands
- Management of lands is important to clarify – opt-in or opt-out; recognizing what management looks like
- Look at ancestral lands and include in policies
- Consider not just land rights, include subterranean and air
- Quantification of land – could policy take into account lands that are most culturally significant vs what is no longer making money for utilities
- Include Tribal input, Tribal claims – policy seems too passive
- Technical assistance: Workshop (negotiation) with attorneys of how to negotiate contracts; better understand land transfers; institutionalize how negotiations will move forward

Break



Best Practices for Tribal Energy Grants





CEC Tribal Grants Working Group

Goals:

- Inform OIIP Process
- Identify Challenges
- Share Solutions
- Coordinate Implementation
- Collaboration Across Divisions to Build Capacity

EXAMPLE GRANT STRUCTURES





Example 1: Equitable Building Decarbonization Program, Tribal Direct Install

Overview: Retrofits to buildings and homes owned by tribes, tribal members, or tribal organizations.

Structure of grant:

- Tribal formula allocation with option for additional funding:
- Choice between direct grant administration or community-based organization as “implementer.”





Example 2: Clean Transportation Program

Tribal Electric Vehicle Infrastructure, Planning and Workforce Training and Development

Overview: provided funding for Tribes, Tribal Organizations, and Tribally-owned businesses for:

1. EV Charging Infrastructure
2. EV Infrastructure Planning
3. EV Workforce Training and Development

Structure of grant:

- Supporting planning and building capacity
- Direct apply or apply with a partner organization





Example 3: Community Energy Reliability and Resilience Investment (CERRI) Program

Overview: funds grid hardening and energy resilience projects across California that increase community energy resilience and reliability, advance state energy policy goals, provide community benefits, and create good-paying jobs.

Structure of grant:

- Technical assistance
- Hosted "how-to workshops" to provide in-depth guidance on different parts of the application
- Two rounds of funding
- Simplified application wherever possible





Example 4: Funding Tribal Microgrids

Overview: Over \$130 million towards Tribal Microgrids funded through:

- Electric Program Investment Charge (EPIC)
- Long Duration Energy Storage (LDES)
- California Energy Commission's Energy Conservation Assistance Act (ECAA)





Any feedback on CEC grant opportunities? (slide co-developed 05/06/26)

- Interested to know more about ECAA program
- Is there a way the Tribe can be part of energy storage projects somehow, potentially work with research organizations
- Increase number of single family homes with renewable energy to reduce costs; batteries improve resiliency – any programs or funding that can support this would be great.
- Addressing challenges Tribes experience in getting solar for all residences
- Grants to incorporate more storage – single family solar or solar array
- Flexibility in requirements so tribes can spend funds to fit their needs.
- Need to know all requirements for a grant up front, including things like NEPA.
- Not requiring match. But if you do, allow self governance funds to be used to cover match funding
- Move to NEM 3.0 as making projects economically infeasible. Should be exceptions to net-energy metering for Tribal local governments
- Recognizing impacts of fuel switching requirements for communities reliant on propane, like Tribes. A lot of ppl here rely on propane and propane is not a regulated fuel source.
- Earlier notification or clarification on permits required for grants
- Advance of funds would be helpful and alleviate challenges
- Not having a grant matching requirement is preferred for Tribes
- Population and land acreage useful for grant portfolios

Improving Energy Project Development Processes





Purpose of Discussion

- Explore potential approaches to improve coordination and consultation on energy related projects
- Identify and strengthen roles for participation in both tribal and non-tribal energy related project development
- Improve consideration of cultural resources on non-tribal land
- Identify non-process issues that impact effective communications and coordination



Project Process Example

1. Project Potential & Project Options

- Preliminary assessment of opportunity
- Data collection
- Determine ownership structure
- Permitting and environmental compliance considerations

2. Project Refinement

- Planning and development
- Engineering and design

3. Project Implementation

- Financing
- Construction

4. Project Operations and Maintenance (O&M)

- Post-construction management of project



1. Project Potential & Options

Determine if basics met for project development and explore roles, ownership structure, and regulatory considerations

- Possible site locations, restrictions, and conflicts
- Feasibility studies
- Need or demand for project or resource
- Understand tribal roles and business structure
- Explore opportunities for tribal partnerships
- Identify permitting other use considerations



2. Project Refinement

Finalize project structure and decisions

- Finalize ownership structure i.e. tribal, community, or developer
- Determine regulatory requirements, technology, and costs
- Environmental studies, CEQA, NEPA





3. Project Implementation

Project contract and construction

- Finalize pre-construction agreements and finances





4. Project O&M



Conduct or ensure ongoing O&M including repair and replacement of items as needed

- Warranties and O&M agreements
- System performance and monitoring



Feedback / Suggestions for Improvement

Co-developed input 05/06/26

- Uplifting and empowering Tribal businesses and Tribal entrepreneurship—could the State have a "Buy Indian Preference" like the federal government does?
- Limited waiver of sovereign immunity should not be required. If it is, negotiate it as a contractual matter. Tribes do what they say because they are not going anywhere, they uphold their end of the contract. If include LWSI, make sure Tribes can have direct conversations with the attorneys at the state to understand what they are looking for. Include tribal courts as a venue for enforcement if the tribe has that capacity. State should be upfront about what is causing their perceived need for LWSI.
- Ability to deeply engage with state agencies and Tribes is helpful and important
- Having Tribes do case studies on challenging Tribal issues; add Tribal issues into curriculum to train in energy programs.
- Support Tribes as market participants
- Utilizing tribal services in multiple areas (ie construction, monitoring, upkeep). Can you have a box that developers check: Have you contacted the tribe, have you contacted the tribal businesses? Ensure developer or agency has contacted Tribe
- Environmental advisors, cultural monitors, should gather information that Tribe is comfortable with sharing. Recognizing expert level of Tribe to in environmental reviews. Hold cultural resources in a confidential manner
- Tribes can be developers and co-owners. Support opportunities for co-ownership.
- Recognize transportation areas – Tribe to Tribe economic relationships. Look at those trade routes and the movement of goods and services; empowerment zones, underdeveloped economic zones
- Extraction of resources can have negative and irreversible damages on Tribal lands
- Recognize impacts to plants as well
- Hydroelectric – 20 year reviews; Tribes invited on field trips, provided information
- Corporate feasibility studies and exploratory reviews should be shared with Tribes; financial applications. Often they are proprietary and not shared. There should be exception for tribes.

Tribal Cultural Resource Considerations Regarding Clean Energy Development





Introduction

- Power plants can affect tribal cultural resources
- Project planning: limits time, consultation, flexibility
- Advance planning: encourages time, consultation, flexibility
- Two previous examples of advance planning
- Overview of potential advance planning process



Background on DRECP

- Desert Renewable Energy Conservation Plan
- Lead Agency: Bureau of Land Management
- Cultural Resource Assistance: California Energy Commission
- Resource Management and Energy Development (10.8M Acres)
- Driven by federal laws and regulations
- Needed to assess cultural resource sensitivity



Summary of Data-gathering Initiative

1. One-mile grid over the DRECP area
2. 10% random sample of 1-mile squares
3. Records searches within the sampled squares
4. GIS: archaeological resource locations and attributes
5. Total archaeological resources in sample squares: 4,057



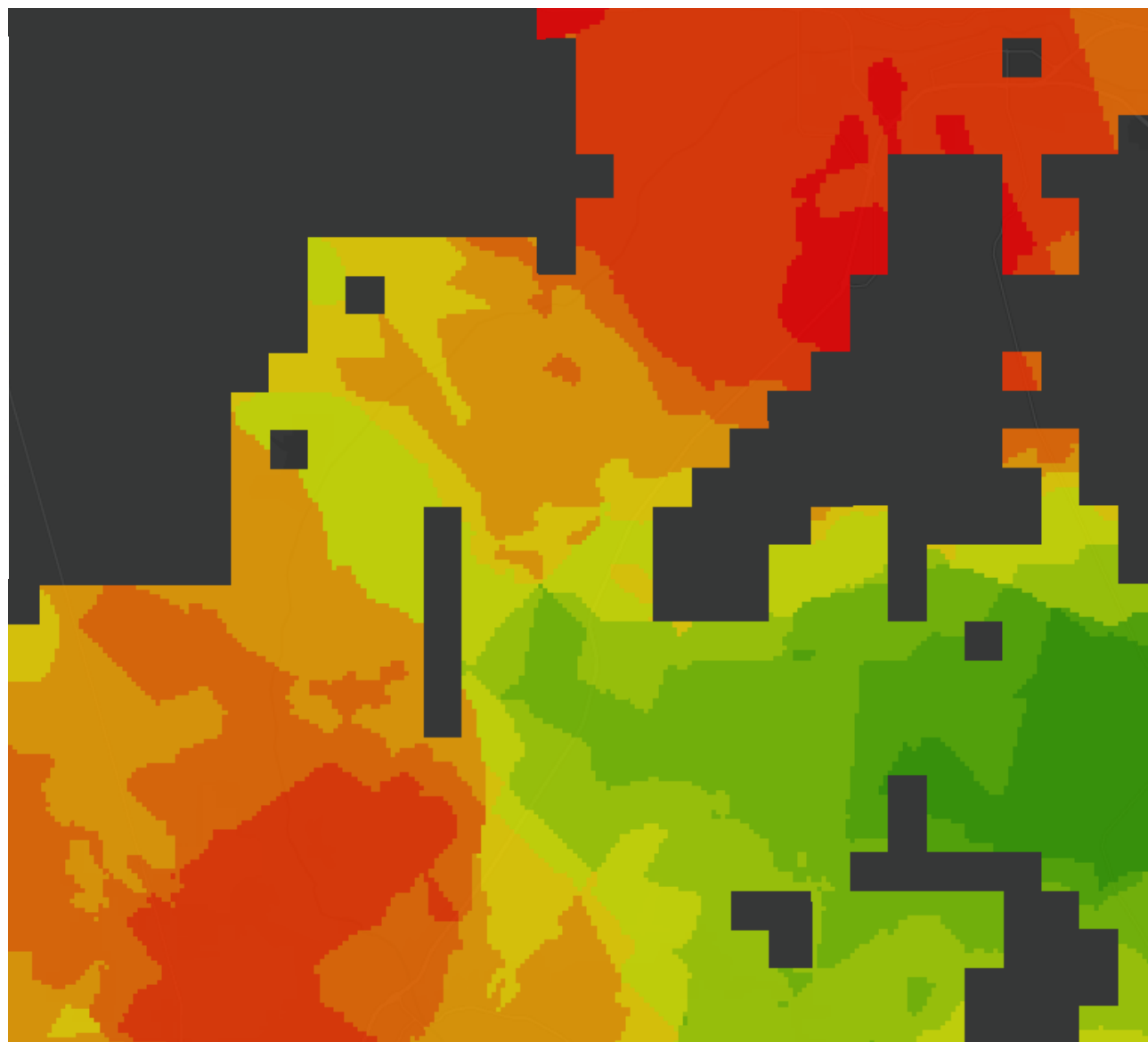
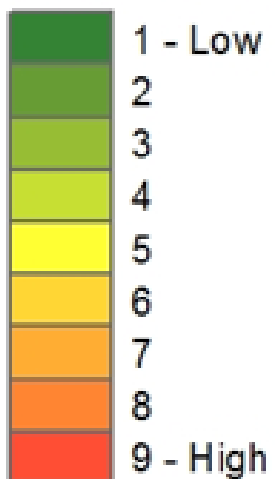
Summary of DGI Methods (continued)

6. Square sensitivity based on frequency and density
7. Kriging estimated archaeological sensitivity of unsampled squares
8. GIS processing abstracts resource locations
9. GIS: mapped places in public ethnographies
10. Compiled other supplementary GIS layers



DGI Archaeological Sensitivity Map

Archaeological Resource Sensitivity





San Joaquin Valley Solar

- **Least-Conflict Areas for San Joaquin Valley Solar**
- Agencies, agriculture, bio & tribal conservation, industry
- Covered 9.5M acres across eight counties
- Not driven by laws or regulations
- Tribes affected and steward important knowledge

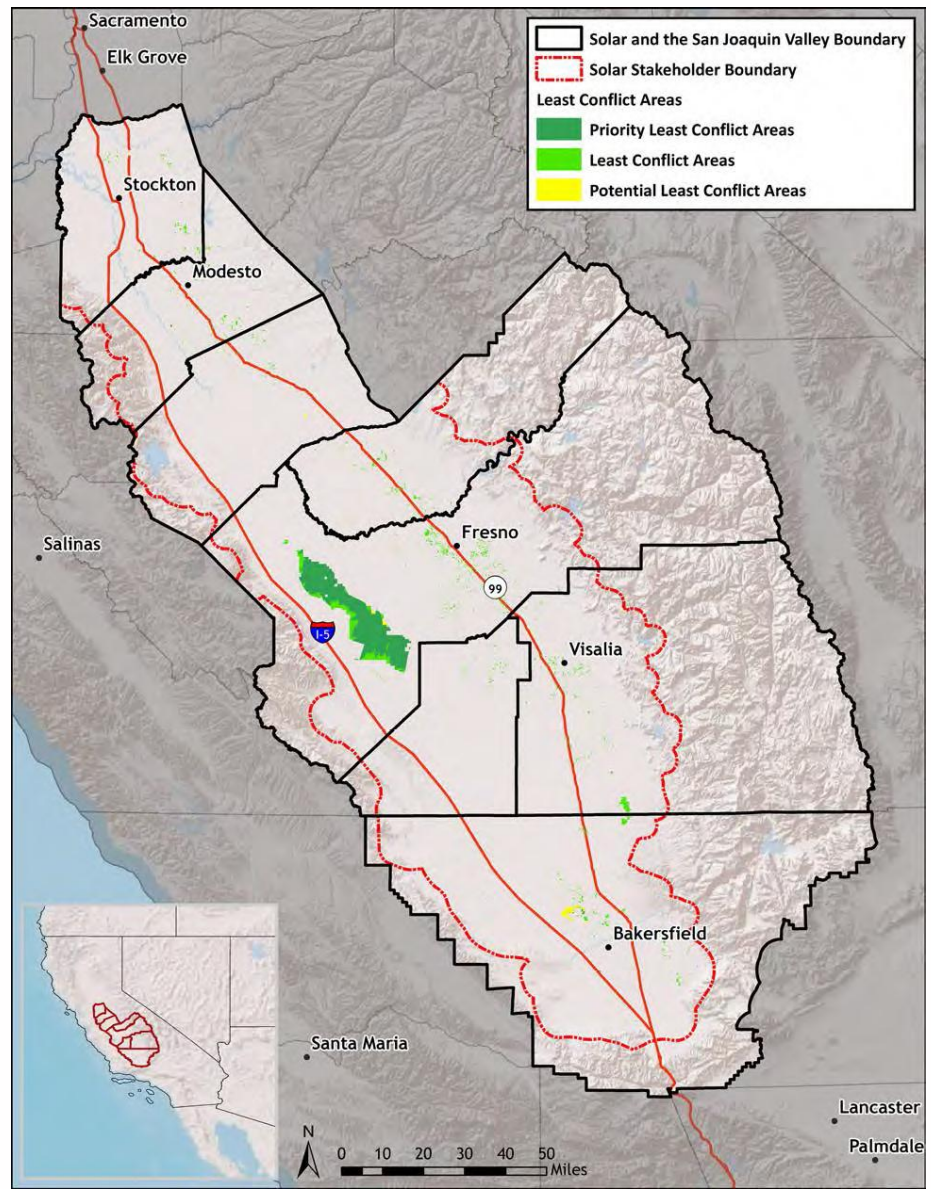


San Joaquin Valley Solar: Cultural and Tribal Cultural Resource Methods

1. Initiated tribal consultation
2. Convened virtual and in-person meetings
3. Documented written and verbal comments
4. Tribally led information-gathering and GIS mapping
5. Integrated tribal data into other data
6. Tribal review of the outcome
7. Published approved results (*A Path Forward*)



San Joaquin Valley Solar: Tribally Identified Least-Conflict Areas



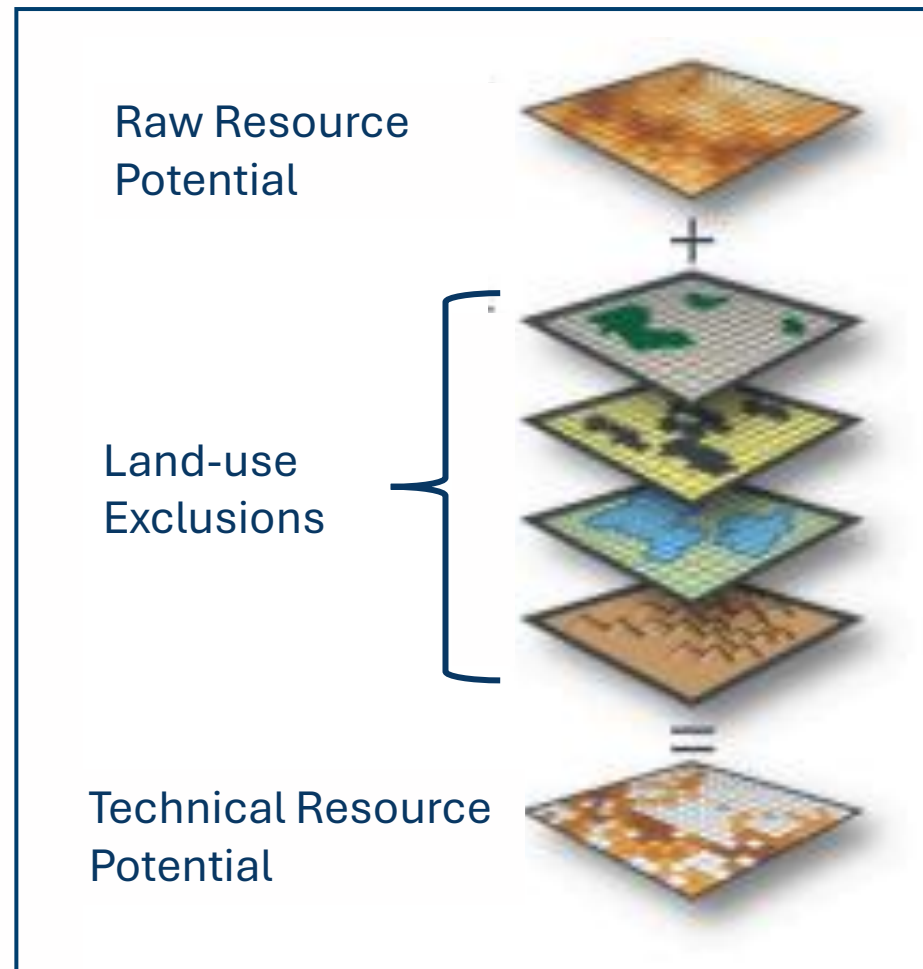
Introduction to CEC Land Use Screens





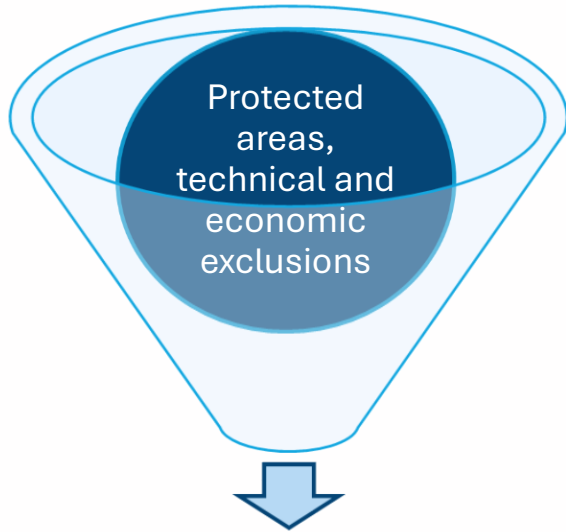
Land Use Screens for Electric System Planning

- Achieving climate goals requires significant clean and renewable energy development (e.g., solar, wind) and rapid build rates
- Environmental and land use “screens”
 - Identify at a high level where build is feasible (technical resource potential)
 - Highlight areas that may face possible constraints and conflicts, including areas of environmental sensitivity, conservation, and other land uses (e.g. cropland)
 - Inform state planning efforts, including IRP/TPP and SB 100
- Screens are landscape-level planning information: intended to inform high-level estimates of renewable build, not specific project locations
- Last major update of CEC Land Use Screens in 2023: [Report and Data Viewer](#) covering solar, wind, and conventional geothermal resources

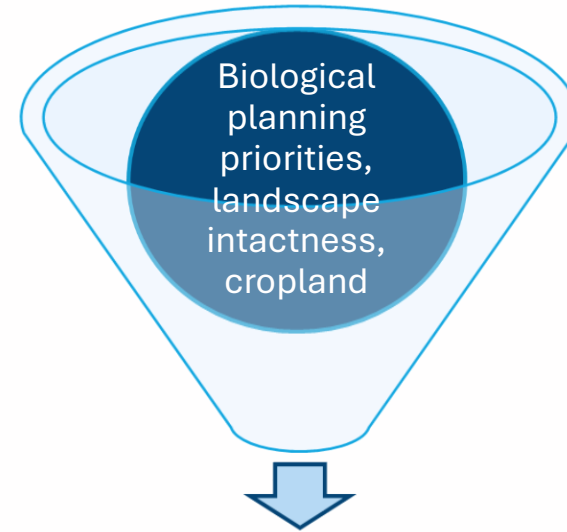
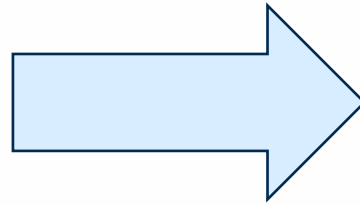




Screens Example: Identifying Technical Resource Potential (Solar)



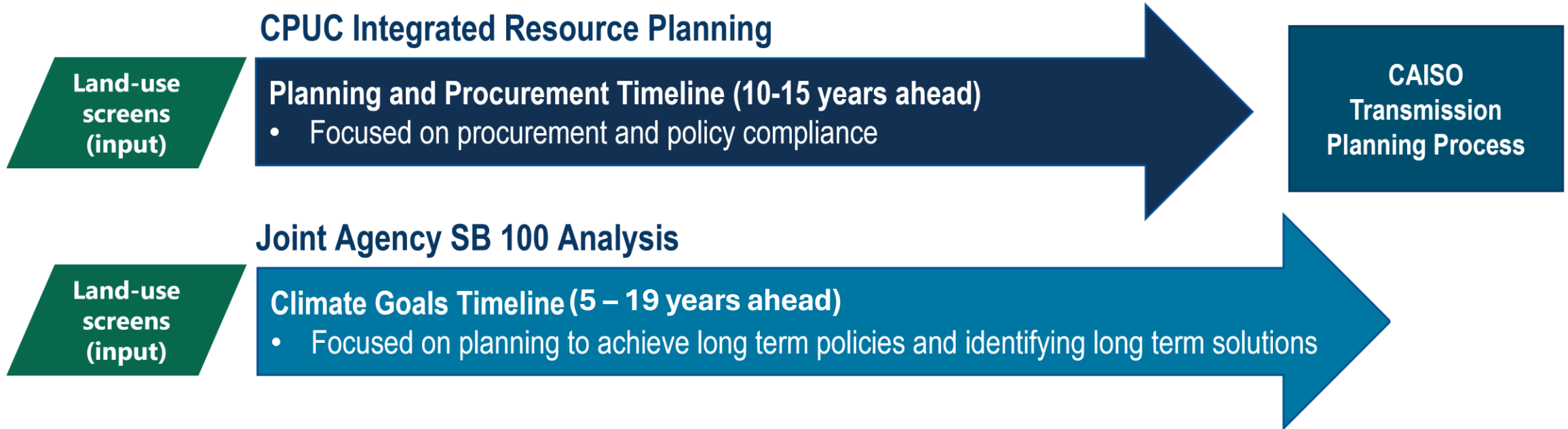
Solar technical resource potential after applying these “base” exclusions



Lower-Implication land: Solar technical resource potential after applying additional environmental constraints



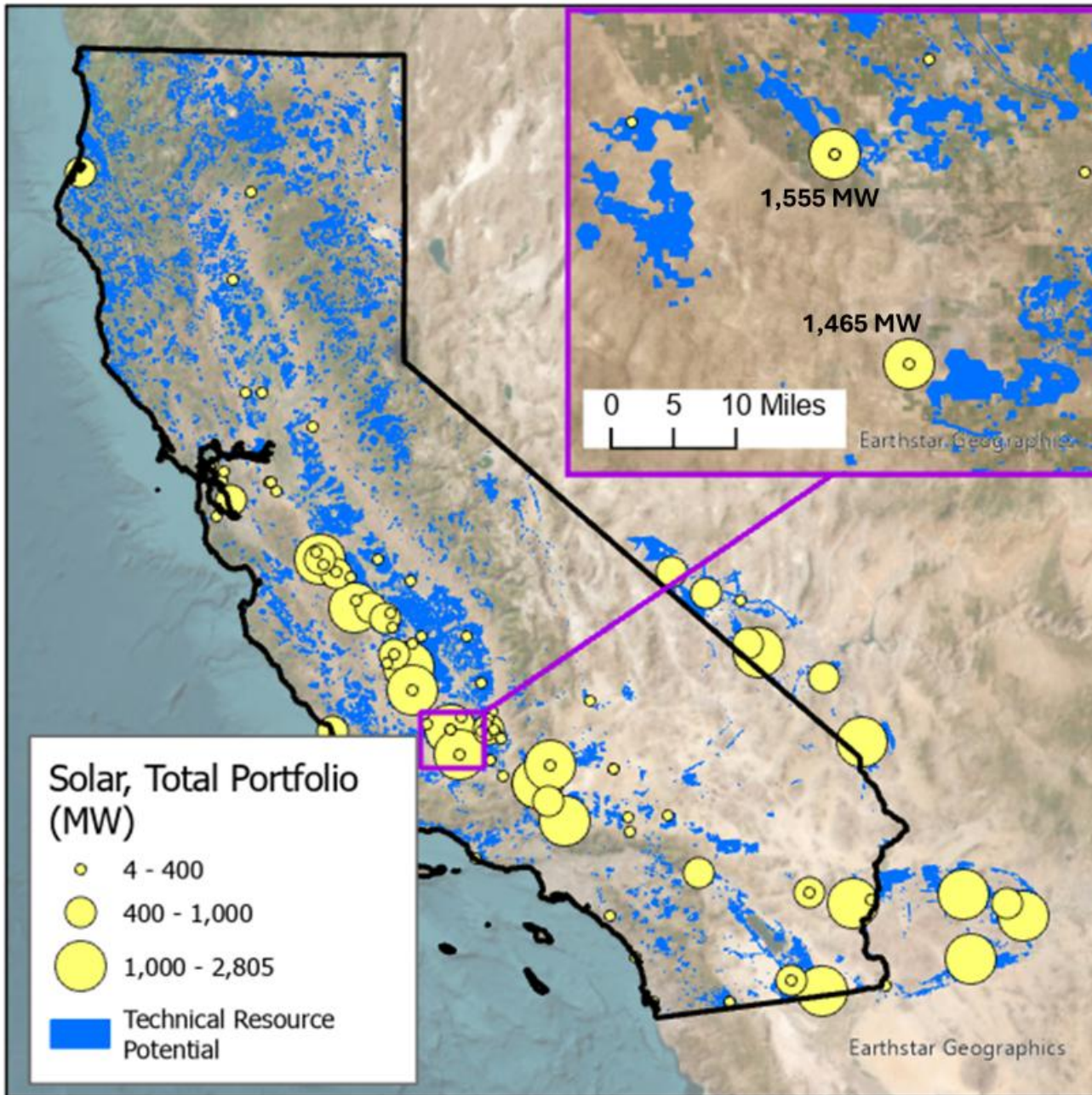
Land Use in State Resource Planning



Land-use screens:

- Increase transparency in planning processes
- Support early identification of issues or barriers to development, which in turn supports long-lead time transmission investments

Example of Land Use Data in State Resource Planning: 2026-2027 TPP 2036 Base Case Portfolio, Solar Resources



- This MW “mapping” is used in the CPUC Integrated Resource Planning (IRP) process to guide development of new transmission
- Informed by land use and environmental information from the screens
- Does not currently explicitly account for tribal cultural resources
- See slide 4 of [this deck](#) onwards for more information on how land use data and other factors are used to determine mapping



Opportunities for Participation in Land Use Planning

These public energy planning processes incorporate the land use screens

- CPUC Integrated Resource Planning (IRP) Process
 - Annual cycle, first workshop in Spring 2026
 - More information [here](#) and [here](#); subscribe [here](#)
- CEC Land Use Screens Update
 - Notice will be posted to a public [CEC docket](#); stay tuned



Any Feedback or Suggestions?

Slide co-developed 05/06/26

- Updates to DRECP: is this being updated, or is there an end date to its use?
- Does CEC get involved in solar development on BLM lands?
 - If there were any thermal component could come through CEC permitting/
- Good to know the variables
- Ensure that this is an overall tool and still have follow up with tribes on project by project basis.
- Cultural or hydrological variables
- Need for more of an integrated approach with various resources
- Create a list of plants and animals that are culturally significant to give to developers

Tribal Energy Equity Indicators



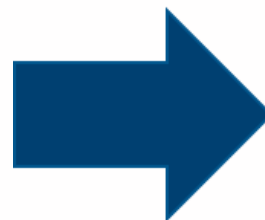


Energy Equity Indicators Tool

Data Visualization and Mapping



Database of Equity Data



Insights to Help
Prioritize CEC Efforts
and Investments for
Tribes



Geographic Data Layers



Data Access and
Analysis



Relevance to Other OIIP Efforts

Energy Resources

- Motivate equitable distribution of clean energy resources by increasing transparency
- Track progress over time to measure impact of CEC efforts

Energy Grants

- Help identify communities that could use support to tackle their energy challenges
- Provide quantitative metrics to help strengthen grant proposals



Energy Equity Metrics Categorization



Energy Metrics

Access



Reliability



Efficiency



Affordability



Programs



Clean Energy Adoption



Supplementary Metrics



Community



Health



Safety

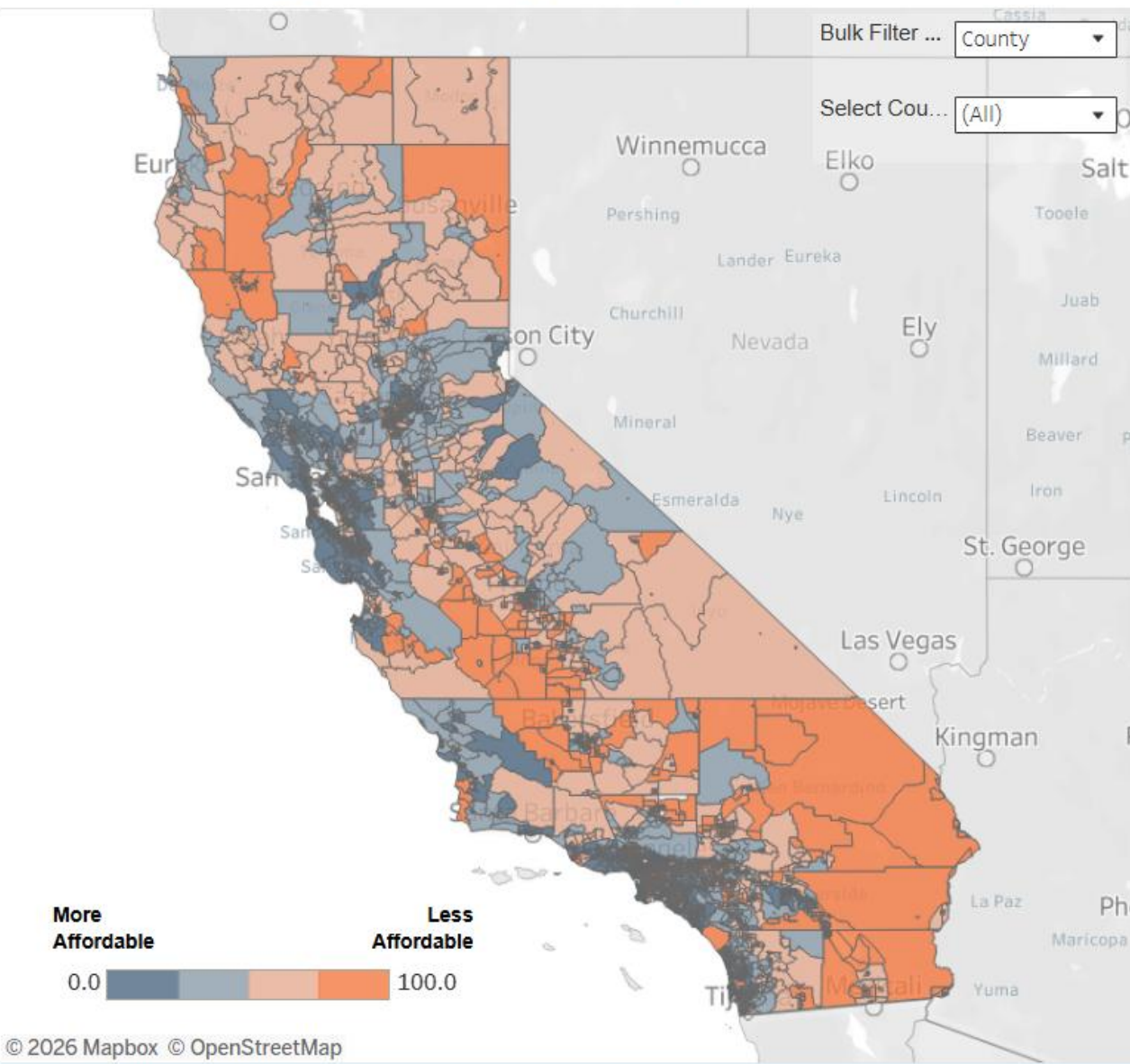


Socioeconomics

A Deep Dive into Energy Affordability

(Draft for Public Comment Only, Data is NOT Final)

Energy Affordability Index by Census Tract



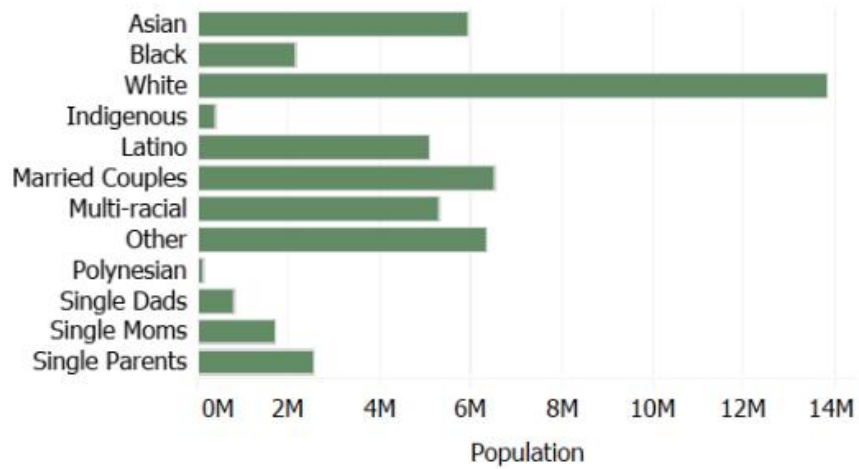
Pearson Correlation Tool

Independent Variable:

Vulnerability Variable:

r = 1.00

Community Characteristics



Population Selected **39,234,926** Average Household Size **3.0**

Average Energy Affordability Index **50.00**

Average Energy Burden **2.1%**

Total Energy Affordability Gap **59,216.8M**

Filters

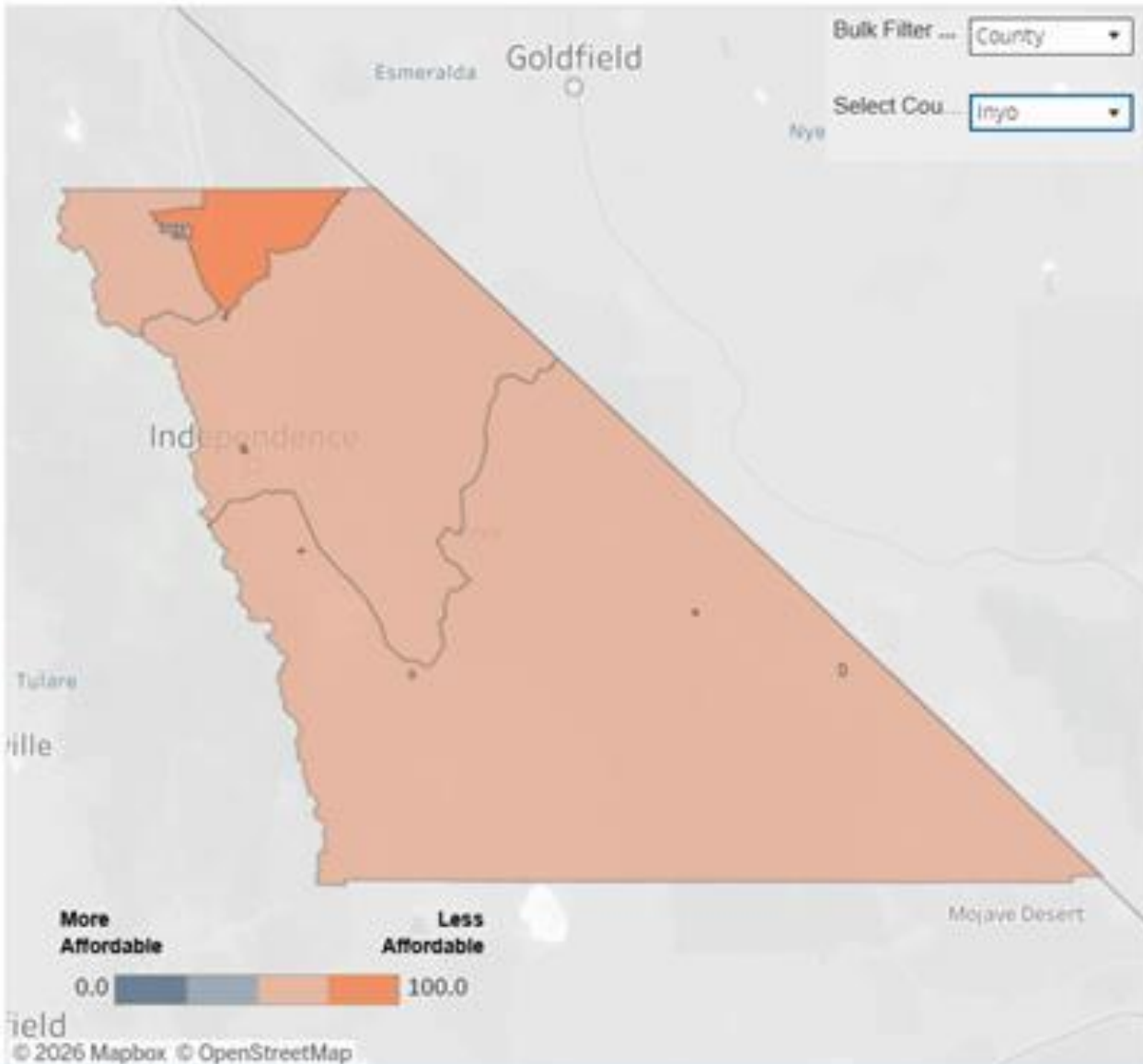
- Geographic Level:
- Census Tract
 - ZIP Code
 - City
- Metric:
- Energy Affordability Index
 - Energy Affordability Gap
 - Energy Burden
- Home Ownership Type:
- Combined
 - Owners
 - Renters
- Energy Affordability Index:
- Show All
 - Filter Top 25%
- SB 535 DACs Filter:
- Show All
 - DACs
- Justice Census Tract Filter:
- Show All
 - Justice Census Tracts



A Deep Dive into Energy Affordability

(Draft for Public Comment Only, Data is NOT Final)

Energy Affordability Index by Census Tract



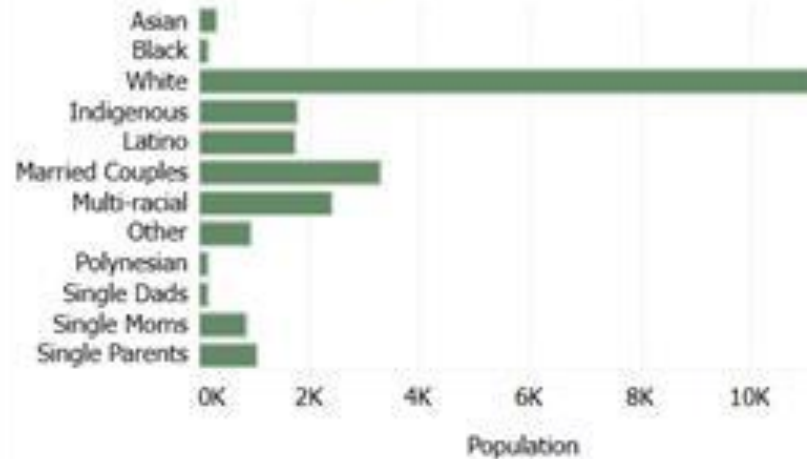
Pearson Correlation Tool

Independent Variable:
Energy Affordability Index

Vulnerability Variable:
Energy Affordability Index

$r = 1.00$

Community Characteristics



Population Selected **18,829**

Average Household Size **2.4**

Average Energy Affordability Index **59.52**

Average Energy Burden **3.5%**

Total Energy Affordability Gap **16.6M**

Filters

Geographic Level:

Census Tract

ZIP Code

City

State

Metric:

Energy Affordability Index

Energy Affordability Gap

Energy Burden

Home Ownership Type:

Combined

Owners

Renters

Energy Affordability Index:

Show All

Filter Top 25%

SB 535 DACs Filter:

Show All

DACs

Justice Census Tract Filter

Show All

Justice Census Tracts



Closing Comments





Upcoming Funding Opportunities

- Tribal Set-aside
Equitable Building
Decarbonization
 - Guidelines posted
- Electric Program
Investment Charge 5
(EPIC 5)
 - Consultation open



Ways to Stay Engaged

- Follow the proceeding around the state!
 - 7 more regional roundtables in Round 1!
- Sign-Up for the “Tribal Program” email list.
- Request tribal consultation
- Submit written comments to the docket.

SUBSCRIBE

Tribal Program

Email *

SUBSCRIBE

Next OIP Regional Roundtable: Tomorrow

Information available soon!



THANK YOU!

