

**DOCKETED**

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# California Tribal Gap Analysis Project

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CEC IEPR WORKSHOP, AUGUST 31, 2022

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# Presentation Outline

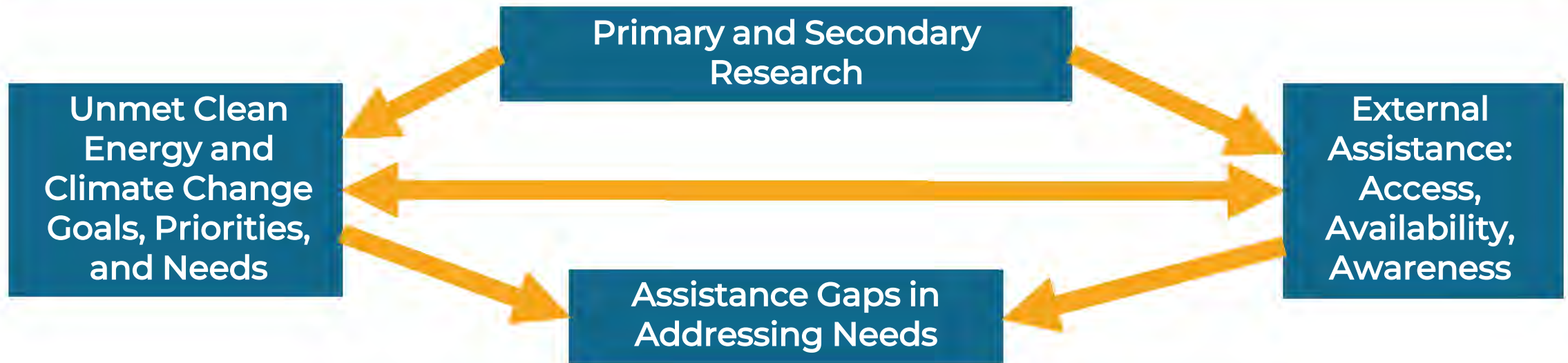
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- **Background & Approach**
- **Results & Findings**
  - Respondent Characteristics
  - Clean Energy Findings
  - Climate Change Findings
  - Barriers and Assistance Gaps
- **Conclusions and Recommendations**



**DISCLAIMER: This presentation of the draft CTGA results, findings, and recommendations has not yet been released for review by the responding Tribes.**

*What assistance gaps do California Tribes face in advancing goals and meeting needs?  
How can the State address those assistance gaps?*



## RECOMMENDATIONS

- I. Improve Tribal Outreach, Communication, and Engagement
- II. Improve Tribal Access and Utilization of Existing State programs
- III. Create and Expand Programs to Benefit Tribes and Build Capacity

# CTGA Project Team

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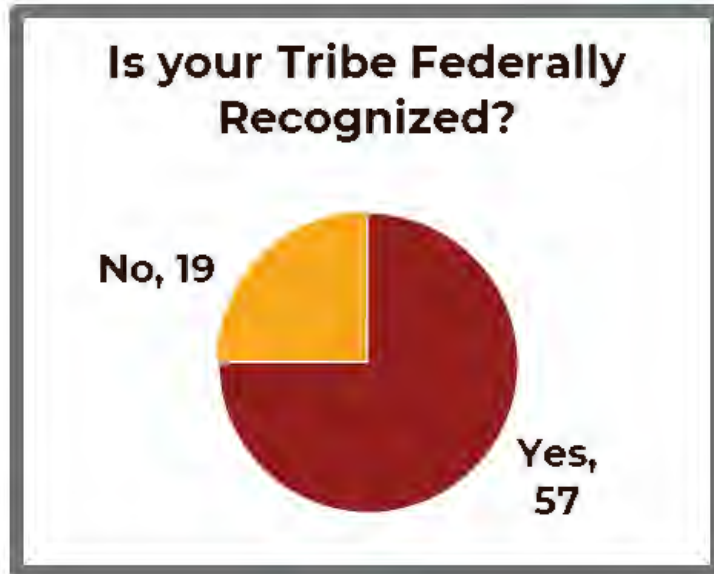
## STATE COMMITTEE



## CONTRACTOR TEAM

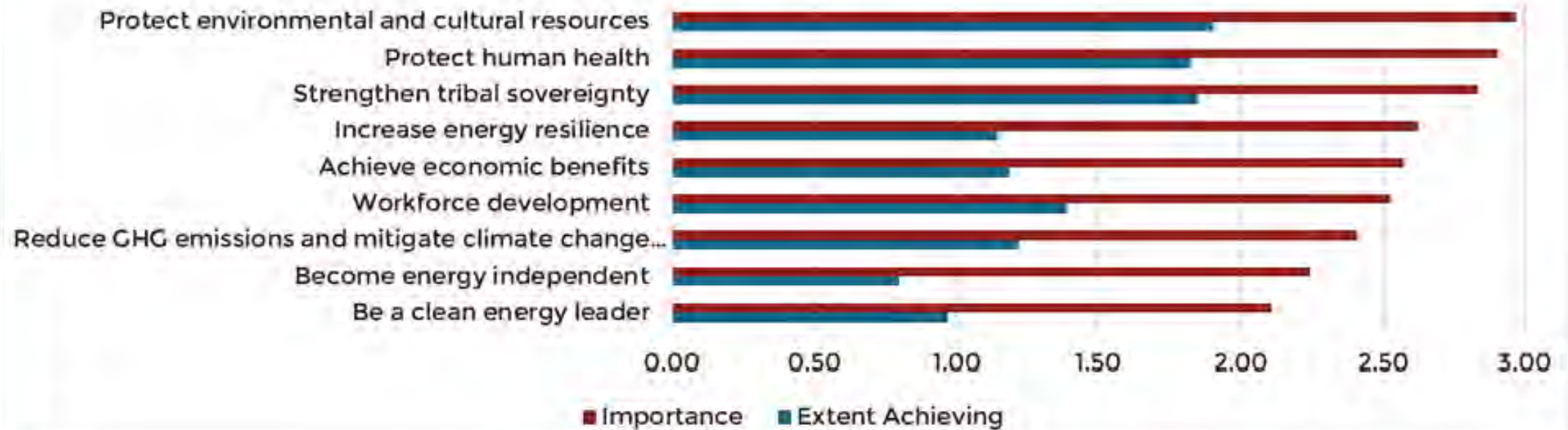


Respondent Titles/Roles	#
Environmental	30
Natural Resources	11
Energy or Utilities	3
Other Administrative Position	30
Council Member or Executive	25



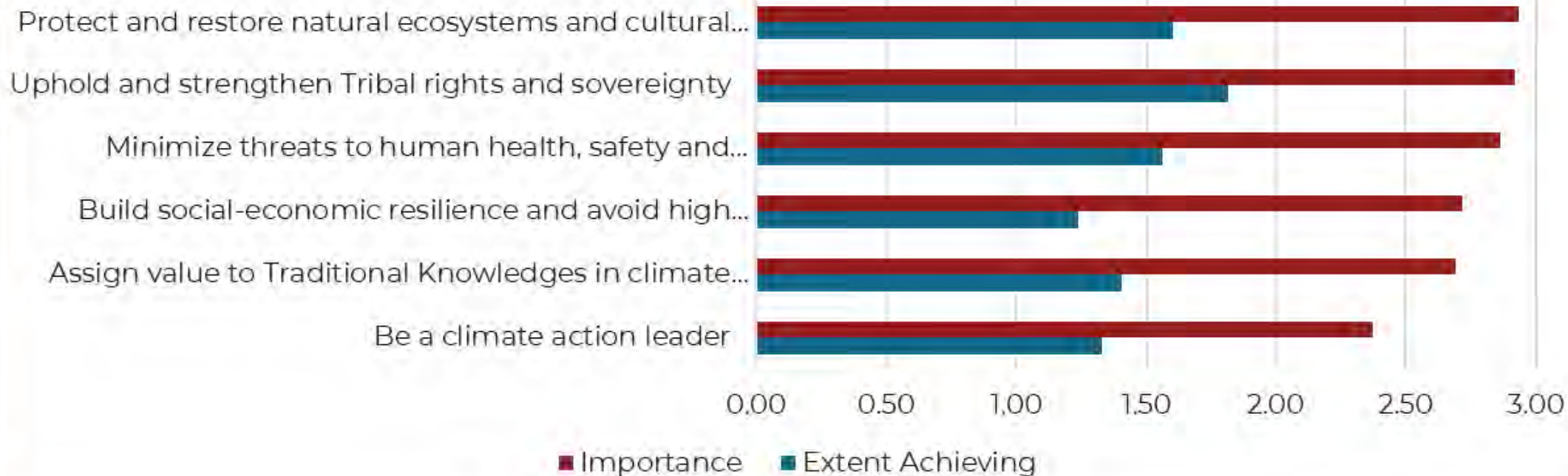
**There are approximately 181 California Native American Tribes**

## Clean Energy Goals - All Tribes (Response Averages)





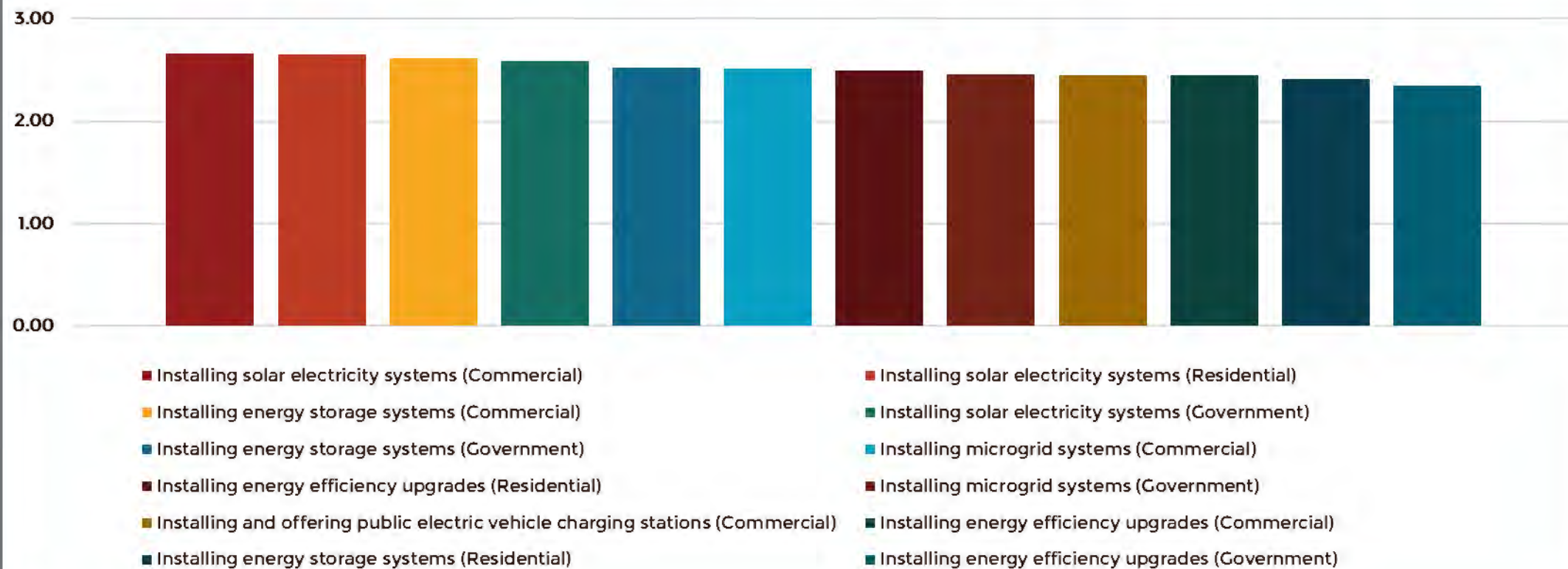
## Climate Change Goals - All Tribes (Response Averages)



Goal	Topic	Importance	Extent Achieving	Importance Minus Extent Achieving
Build social-economic resilience and avoid high costs of disaster response and recovery	Climate Change	2.72	1.24	1.48
Increase energy resilience	Clean Energy	2.62	1.14	1.48
Become energy independent	Clean Energy	2.24	0.80	1.44
Achieve economic benefits	Clean Energy	2.58	1.19	1.39
Protect and restore natural ecosystems and cultural resources	Climate Change	2.93	1.61	1.33
Minimize threats to human health, safety and wellbeing	Climate Change	2.87	1.56	1.30
Assign value to Traditional Knowledges in climate science and planning while adhering to the free, prior, and informed consent of indigenous Peoples	Climate Change	2.69	1.41	1.28
Reduce GHG emissions and mitigate climate change impacts	Clean Energy	2.41	1.22	1.19
Be a clean energy leader	Clean Energy	2.11	0.97	1.14
Workforce development	Clean Energy	2.53	1.39	1.14
Uphold and strengthen Tribal rights and sovereignty	Climate Change	2.92	1.82	1.10
Protect human health	Clean Energy	2.90	1.82	1.08
Protect environmental and cultural resources	Clean Energy	2.97	1.90	1.07
Be a climate action leader	Climate Change	2.37	1.33	1.05
Strengthen tribal sovereignty	Clean Energy	2.84	1.85	0.98

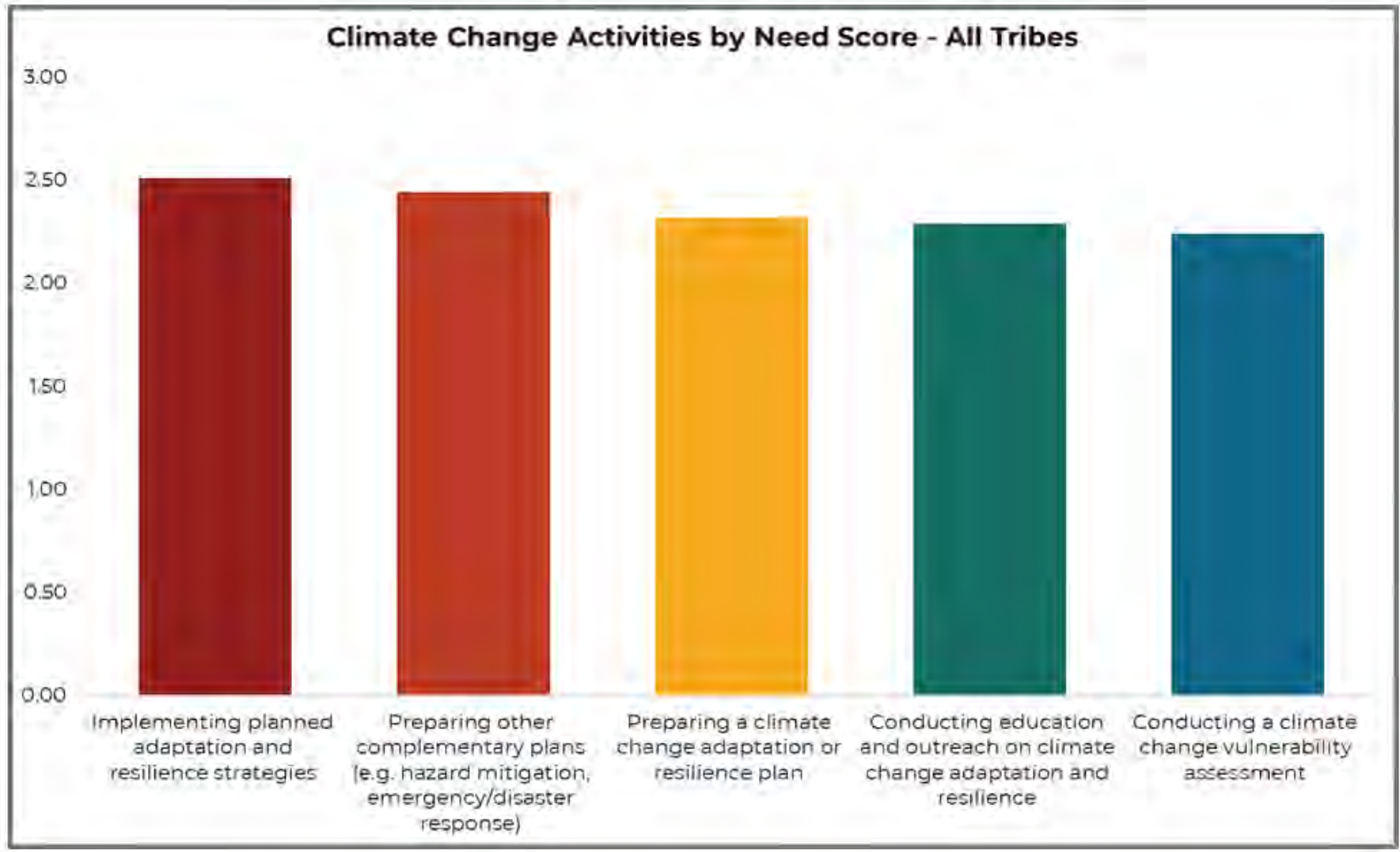
Subtopics	Activities (Across Sectors)
<b>Energy Efficiency</b>	<ul style="list-style-type: none"> <li>• Conducting Energy Audits</li> <li>• Installing Energy Efficient Upgrades</li> <li>• Conducting Education &amp; Outreach</li> </ul>
<b>Renewable Energy and Energy Storage</b>	<ul style="list-style-type: none"> <li>• Installing solar electricity systems</li> <li>• Installing solar thermal (water heating)</li> <li>• Installing geothermal heating and cooling systems</li> <li>• Installing wind power systems</li> <li>• Installing biomass power systems</li> <li>• Installing hydropower systems</li> <li>• Installing energy storage systems</li> <li>• Installing microgrid systems</li> <li>• Conducting education &amp; outreach</li> </ul>
<b>Clean Transportation</b>	<ul style="list-style-type: none"> <li>• Using electric vehicles</li> <li>• Using public transit and shared mobility options (<i>e.g.</i>, buses, shuttles)</li> <li>• Using other alternative clean transit options (<i>e.g.</i>, walking, biking)</li> <li>• Installing and offering public electric vehicle charging stations</li> <li>• Installing and offering private/employee electric vehicle charging stations</li> <li>• Using electric light duty vehicles for Tribal Government purposes</li> <li>• Using electric medium and heavy-duty vehicles for Tribal Government purposes</li> <li>• Providing public transit and shared mobility options (<i>e.g.</i>, buses, shuttles)</li> <li>• Offering telework options and other ways to reduce vehicle miles traveled</li> <li>• Installing bike lanes and walking paths</li> <li>• Conducting sustainable transportation planning (<i>e.g.</i>, mixed use development, walkable, bikeable, public transit access, etc.)</li> <li>• Conducting sustainable transportation development (<i>e.g.</i>, mixed use development, walkable, bikeable, public transit access, etc.)</li> <li>• Conducting education &amp; outreach</li> </ul>

### Top 12 Clean Energy Activities by Need Score



Activity	Priority	Need for Assistance	Need Score	% of Respondents that Met Need Criteria	Need Score for Respondents Meeting Need Criteria
Installing solar electricity systems (Commercial)	2.69	2.64	2.67	81.3%	2.94
Installing solar electricity systems (Residential)	2.68	2.64	2.66	71.7%	2.74
Installing energy storage systems (Commercial)	2.65	2.59	2.62	85.4%	2.84
Installing solar electricity systems (Government)	2.65	2.53	2.59	76.8%	2.79
Installing energy storage systems (Government)	2.58	2.47	2.52	78.6%	2.84
Installing microgrid systems (Commercial)	2.54	2.49	2.51	78.7%	2.80
Installing energy efficiency upgrades (Residential)	2.49	2.50	2.50	78.6%	2.76
Installing microgrid systems (Government)	2.45	2.47	2.46	72.2%	2.77
Installing and offering public electric vehicle charging stations (Commercial)	2.51	2.40	2.45	65.2%	2.75
Installing energy efficiency upgrades (Commercial)	2.53	2.37	2.45	68.8%	2.77
Installing energy storage systems (e.g. whole home battery) (Residential)	2.41	2.43	2.42	80.0%	2.73
Installing energy efficiency upgrades (Government)	2.49	2.20	2.35	72.9%	2.73
Installing and offering public electric vehicle charging stations (Government)	2.24	2.44	2.34	73.6%	2.63
Conducting sustainable transportation planning (e.g. mixed use development, walkable, bikeable, public transit access, etc.) (Government)	2.26	2.38	2.32	74.5%	2.74
Conducting sustainable transportation development (e.g. mixed use development, walkable, bikeable, public transit access, etc.) (Government)	2.21	2.42	2.32	78.0%	2.67
Using electric light duty vehicles for Tribal Government purposes (Government)	2.14	2.38	2.26	73.6%	2.67
Conducting energy audits (Residential)	1.78	2.24	2.01	50.9%	2.79

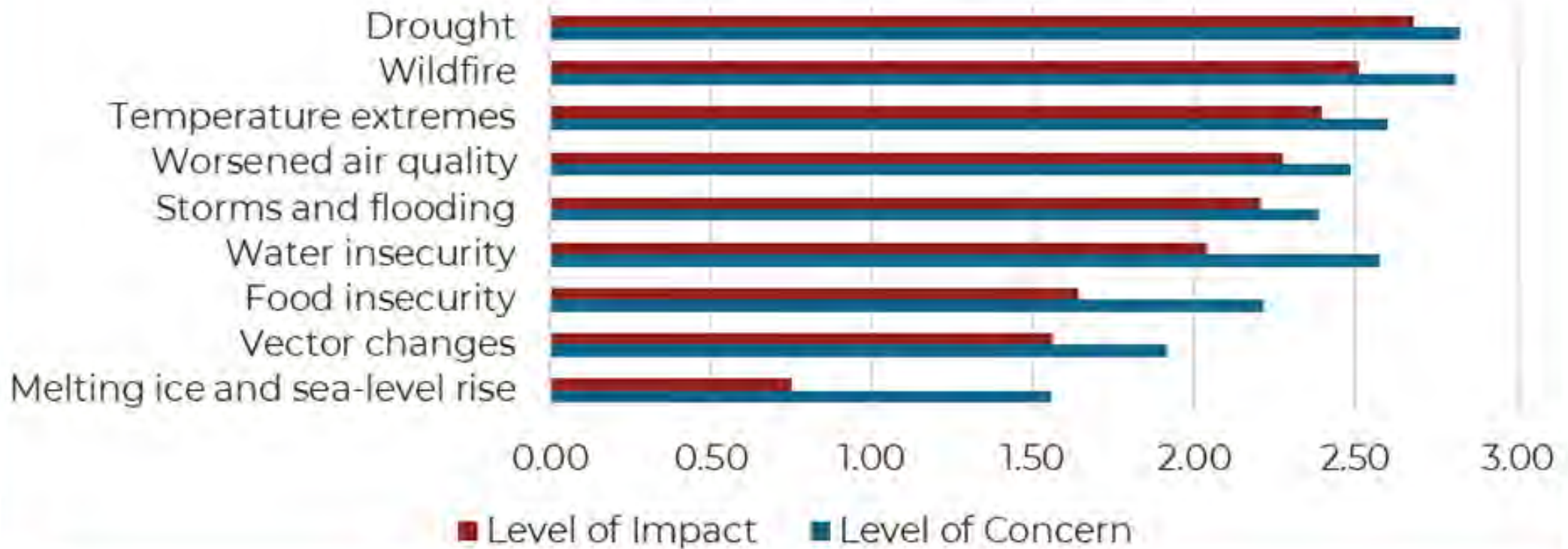
**“We would like more education on various aspects of energy that is tailored for our tribe and our homeland issues”**



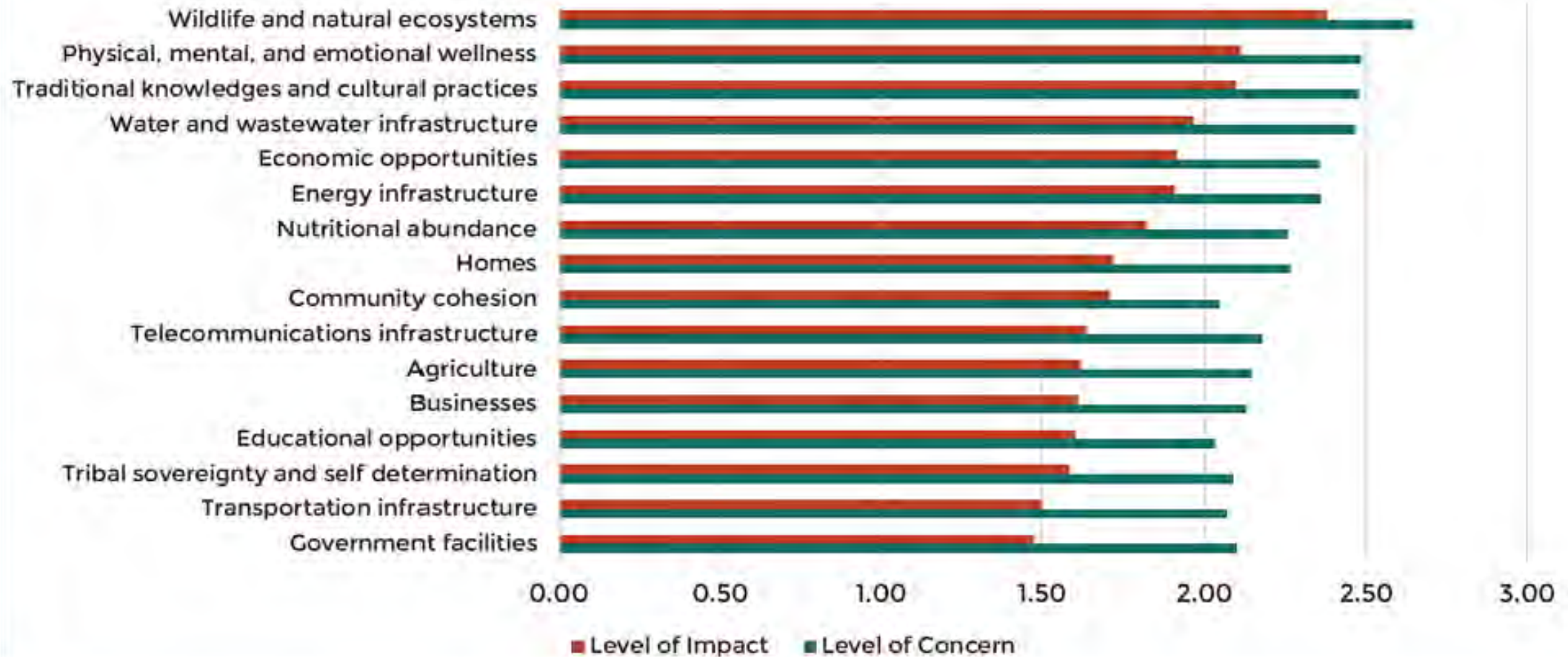
<b>Activity</b>	<b>% Respondents Met Need Criteria</b>	<b>Need Score for Respondents Meeting Need Criteria</b>
Implementing planned adaptation and resilience strategies	79.4%	2.85
Preparing a climate change adaptation or resilience plan	66.7%	2.75
Conducting education and outreach on climate change adaptation and resilience	66.1%	2.70
Conducting a climate change vulnerability assessment	60.3%	2.71
Preparing other complementary plans (e.g. hazard mitigation, emergency/disaster response)	55.6%	2.73



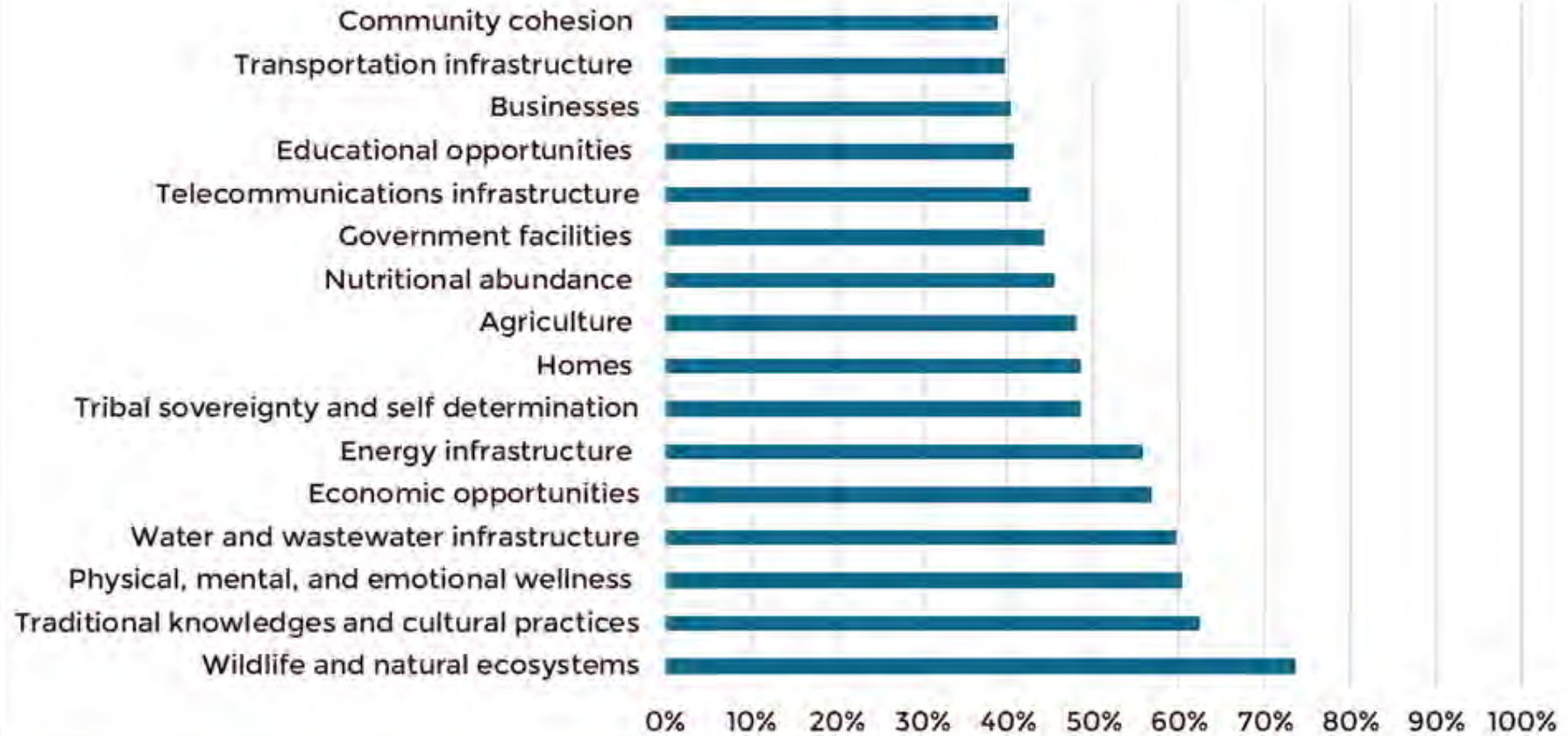
## Climate Change Hazards for All Tribes Impacted vs. Concerned



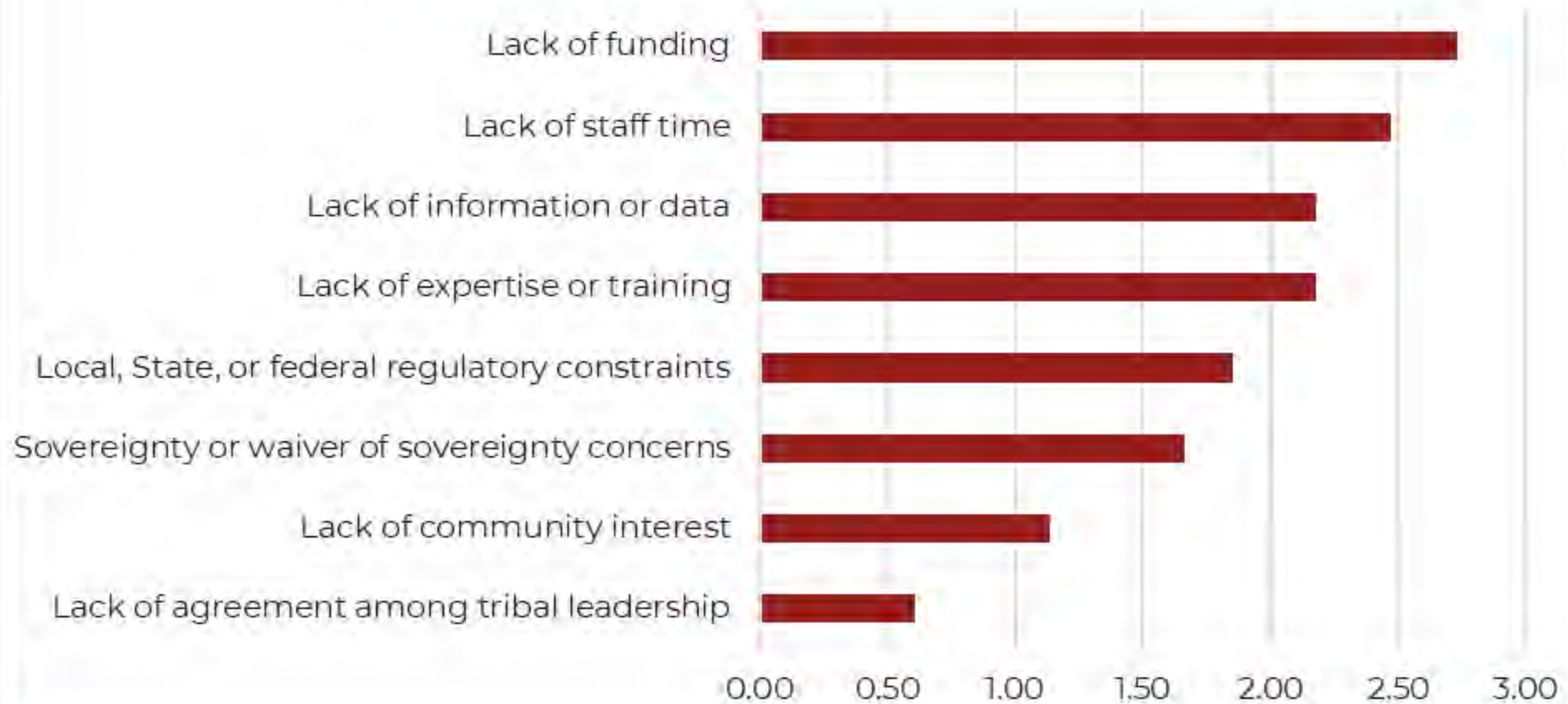
## Climate Change Impacts on Assets for All Tribes Impacted vs. Concerned

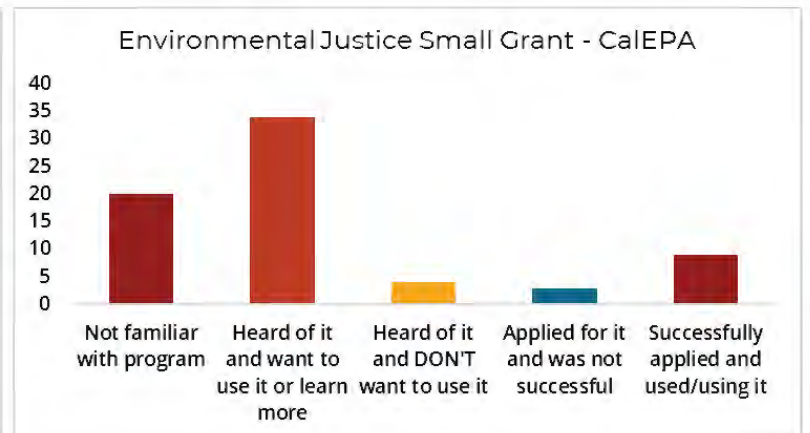
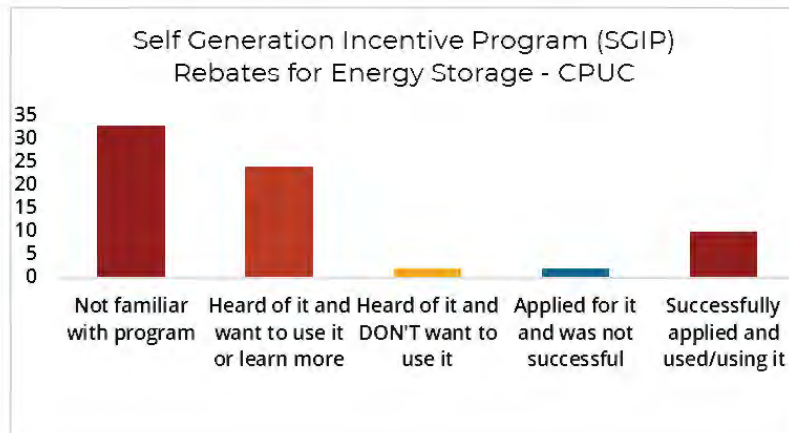
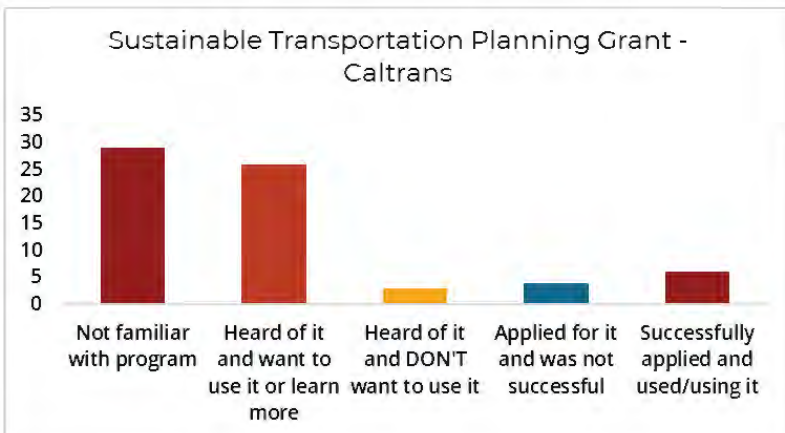
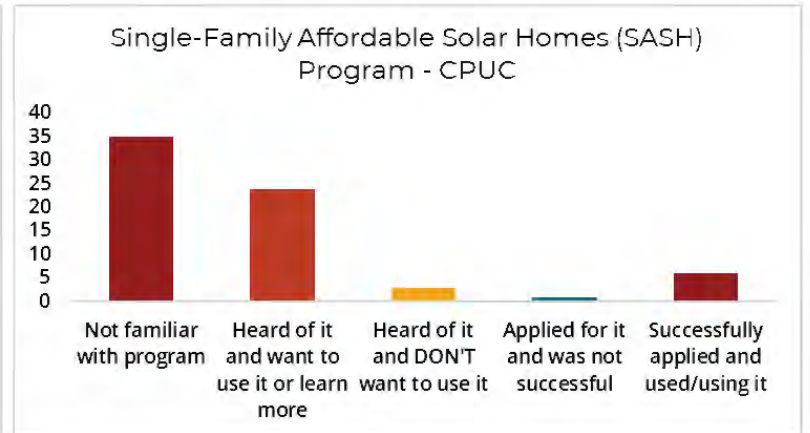
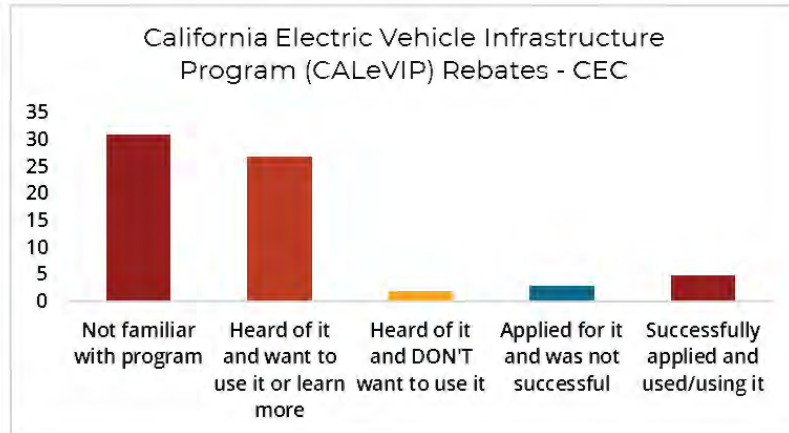
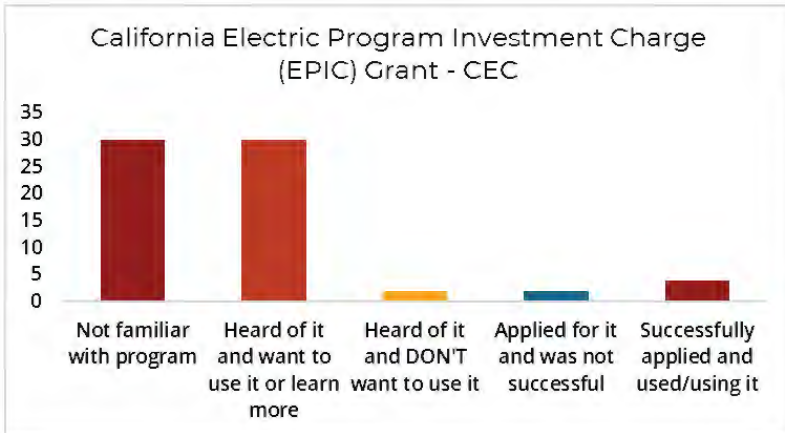
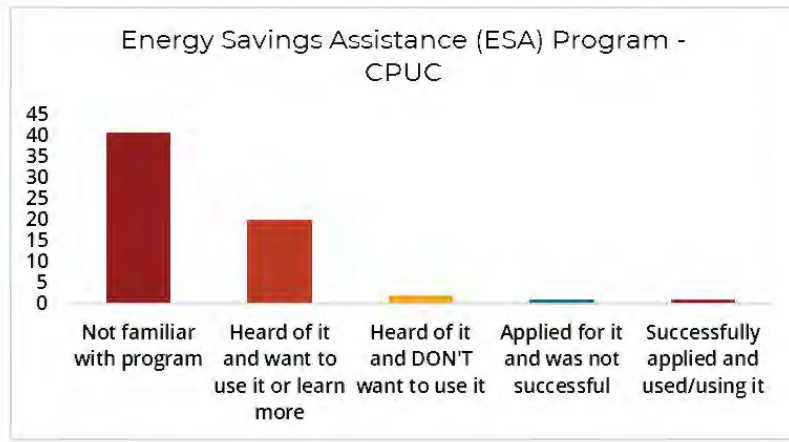
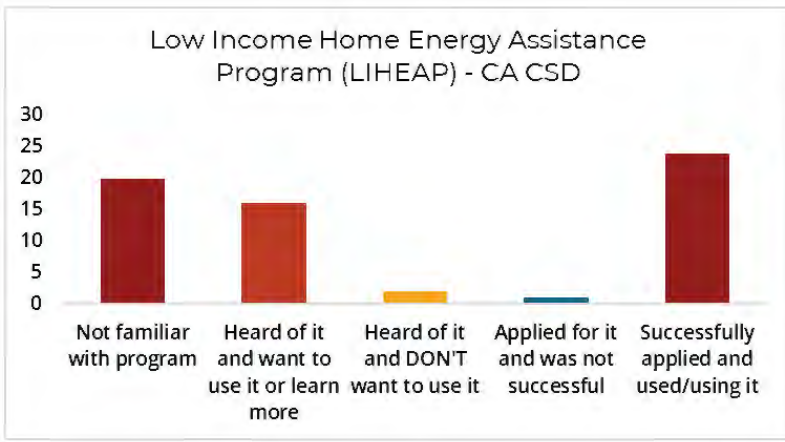


## Percent of Respondents Indicating Extreme Concern Over Climate Change Impacts on Community Assets



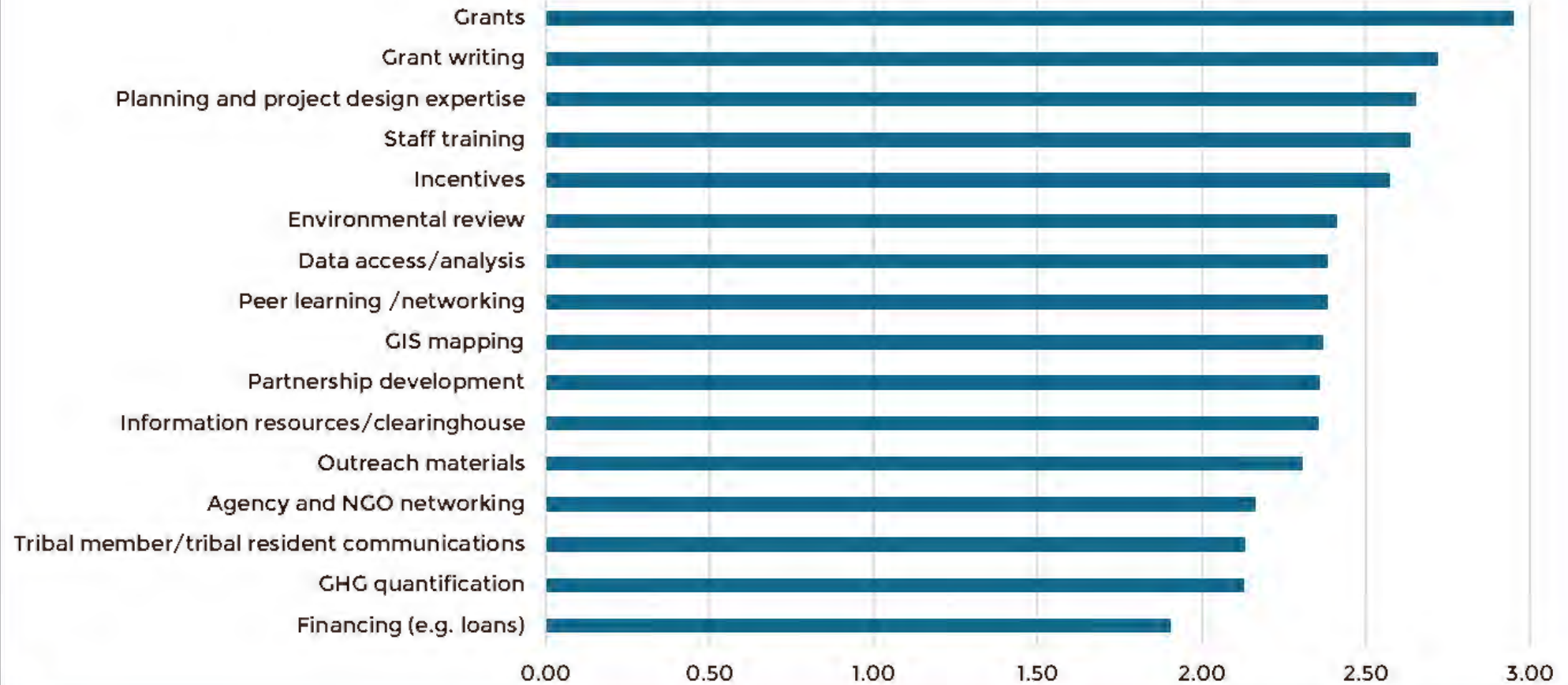
## Barriers to Advancing Clean Energy & Climate Change Goals (Response Averages)





**“Our Tribe has historically been ineligible for these types of programs. If we are eligible, we’d like to know more about them.”**

### How beneficial would each of the following types of external assistance be? (Response Averages)



# Preliminary assessment of gaps in assistance programs

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<b>Preliminary Analysis: Most Significant Program Gaps</b>				
<b>Activity Needs Area</b>	<b>Planning Grants</b>	<b>Implementation Grants or Incentives</b>	<b>Grant Writing Assistance</b>	<b>Project Planning Assistance</b>
Installing solar electricity systems (all sectors): 30 programs				
Installing energy storage systems (all sectors): 15 programs				
Installing microgrid systems (commercial and government sectors): 13 programs				
Installing energy efficiency upgrades (all sectors): 18 programs				
Preparing climate change adaptation or resilience plans: 6 programs				
Implementing planned adaptation and resilience strategies, especially those that reduce impacts to health/social and natural/managed resources as a result of drought, wildfire, and temperature extremes: 51 programs				
Installing and offering public EV charging stations (commercial and government sectors): 22 programs				
Sustainable transportation development and planning (government sector): 22 programs				

# Recommendations Areas

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- **Improve Tribal Outreach, Communication, and Engagement**
- **Improve Tribal Access and Utilization of Existing State Programs**
- **Create/Expand Programs to Benefit Tribes and Build Capacity**

# Improve Tribal Outreach, Communication, and Engagement

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- **Track, maintain, and communicate assistance opportunities for Tribes**
  - Tribal energy and climate exchange (TECX) forum, website, contacts list (in addition to consultation opportunities)
  - Regular communications by email, meetings, webinars, conferences, workshops, etc.
  - Simplify, support, and fund ongoing Tribes participation in policy and program development, rulemaking proceedings, etc.
  - Combine and streamline engagement on overlapping policies, programs, topics, etc. (between agencies); Centralize feedback and communicate to all agencies
- **Develop State-Tribal engagement policy, plan, and processes**
- **More tribal liaisons and support staff, with tribal government experience; Tribal relations training for State employees**
- **Working document of needs, gaps, concerns (i.e. living gap analysis)**
- **Consultation portal to centralize and track consultations**

# Improve Tribal Access and Utilization of Existing State Programs

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- Further assess tribal access, challenges, and utilization of applicable assistance programs
- Standard metrics, regular reporting on tribal utilization of assistance, outreach, for State agencies
- Address eligibility, evaluation criteria, and requirements challenges/barriers (political status, lands, location, activities, waiver of sovereign immunity, etc.)
- Increase tribal set-asides and Tribe specific grants
- Reduce or eliminate match/cost-share requirements
- Streamline and coordinate funding solicitations; Longer, more predictable funding solicitation periods; Guidance and TA during funding solicitation periods
- State agency best practices guide for tribal assistance
- Collaborate with Tribes on State climate change science, research, and planning
- Recurring/regular funding for tribal climate change and clean energy staff
  - For at least part of their role or for external hired support (e.g. a consultant)

# Create/Expand Programs to Benefit Tribes and Build Capacity

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- **Increase funding and assistance for top needs, all needs**
  - Identity potential low hanging fruit (e.g. residential energy efficiency)
- **Centralized no-cost TA and grant writing assistance program(s)**
- **Sustainable and flexible funding for tribal clean energy and climate change programs, staff, implementation projects, etc.)**
  - Offer trainings and funding to participate in trainings
- **Offer match funding for federal grants/funding**
- **Infrastructure modernization (distribution & grid), electrification**
- **Increase opportunities for Tribes to acquire land**

# Thank You! Questions?

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