



## ***Borders Committee Agenda***

**Friday, June 23, 2023**

**1 p.m.**

Welcome to SANDAG. The Borders Committee meeting scheduled for Friday, June 23, 2023, will be held in person in the SANDAG Board Room. While Borders Committee members will attend in person, members of the public will have the option of participating either in person or virtually.

For public participation via Zoom webinar, click the link to join the meeting: <https://us02web.zoom.us/j/87486087216>

Webinar ID: 874 8608 7216

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**Public Comments:** Members of the public may speak to the Borders Committee on any item at the time the Borders Committee is considering the item. Public speakers are generally limited to three minutes or less per person.

Persons who wish to address the members on an item to be considered at this meeting, or on non-agendized issues, may email comments to the Clerk at [clerkoftheboard@sandag.org](mailto:clerkoftheboard@sandag.org) (please reference Borders Committee meeting in your subject line and identify the item number(s) to which your comments pertain). Comments received by 4 p.m. the business day before the meeting will be provided to members prior to the meeting. All comments received prior to the close of the meeting will be made part of the meeting record.

If you desire to provide in-person verbal comments during the meeting, please fill out a speaker slip, which can be found in the lobby. If you have joined the Zoom meeting by computer or phone, please use the "Raise Hand" function to request to provide public comment. On a computer, the "Raise Hand" feature is on the Zoom toolbar. By phone, enter \*9 to "Raise Hand" and \*6 to unmute. Requests to provide live public comment must be made at the beginning of the relevant item, and no later than the end of any staff presentation on the item. The Clerk will call on members of the public who have timely requested to provide comment by name for those in person and joining via a computer, and by the last three digits of the phone number of those joining via telephone. Should you wish to display media in conjunction with your comments, please inform the Clerk when called upon. The Clerk will be prepared to have you promoted to a position where you will be able to share your media yourself during your allotted comment time. In-person media sharing must be conducted by joining the Zoom meeting on the personal device where the content resides. Please note that any available chat feature on the Zoom meeting platform should be used by panelists and attendees solely for procedural or other "housekeeping" matters as comments provided via the chat feature will not be retained as part of the meeting record. All comments to be provided for the record must be made in writing via email or speaker slip, or verbally per the instructions above.

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This meeting will be conducted in English, and simultaneous interpretation will be provided in Spanish. Interpretation in additional languages will be provided upon request to [ClerkoftheBoard@sandag.org](mailto:ClerkoftheBoard@sandag.org) at least 72 business hours before the meeting.

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**ជំនួយភាសាឥតគិតថ្លៃ | ఉచిత భాషా సహాయం | ການຊ່ວຍເຫຼືອດ້ານພາສາຟຣີ | Kaalmada Luqadda ee Bilaashka ah |**

**Безкоштовна мовна допомога | [sandag.org/LanguageAssistance](http://sandag.org/LanguageAssistance) | (619) 699-1900**

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**Vision Statement:** *Pursuing a brighter future for all*

**Mission Statement:** *We are the regional agency that connects people, places, and innovative ideas by implementing solutions with our unique and diverse communities.*

**Our Commitment to Equity:** *We hold ourselves accountable to the communities we serve. We acknowledge we have much to learn and much to change; and we firmly uphold equity and inclusion for every person in the San Diego region. This includes historically underserved, systemically marginalized groups impacted by actions and inactions at all levels of our government and society.*

*We have an obligation to eliminate disparities and ensure that safe, healthy, accessible, and inclusive opportunities are available to everyone. The SANDAG equity action plan will inform how we plan, prioritize, fund, and build projects and programs; frame how we work with our communities; define how we recruit and develop our employees; guide our efforts to conduct unbiased research and interpret data; and set expectations for companies and stakeholders that work with us.*

*We are committed to creating a San Diego region where every person who visits, works, and lives can thrive.*

# Borders Committee

Friday, June 23, 2023

## Comments and Communications

### 1. Public Comments/Communications/Member Comments

Members of the public shall have the opportunity to address the Borders Committee on any issue within the jurisdiction of the Committee that is not on this agenda. Anyone desiring to speak shall reserve time by completing a "Request to Speak" form and giving it to the Clerk prior to speaking. Public speakers should notify the Clerk if they have a handout for distribution to Committee members. Public speakers are limited to three minutes or less per person. Committee members also may provide information and announcements under this agenda item.

### 2. Agency Report

*Victoria Stackwick, SANDAG*

Discussion

Chief of Staff Victoria Stackwick will present an update on pertinent agency activities.

## Consent

### +3. Approval of Meeting Minutes

*Francesca Webb, SANDAG*

Approve

The Borders Committee is asked to approve the minutes from its April 28, 2023, meeting.

[BC Draft Minutes\\_042823.pdf](#)

## Reports

### 4. AB 617 Community Air Protection Program - International Border Communities

*Domingo Vigil and Monique Lopez, San Diego Air Pollution Control District*

Information

Domingo Vigil and Monique Lopez will present an overview of the AB 617 Community Air Protection Program which aims reduce exposure in communities most impacted by air pollution across the state and activities underway related to the International Border Communities designation.

[Supporting Materials.pdf](#)

### +5. Viejas Enterprise Microgrid Long Life Energy Storage Project

*Omar Peralta, Indian Power, S de RL*

Information

Omar Peralta will present an overview of the Viejas Enterprise Microgrid Long Life Energy Storage Project, which consist of a battery storage project that is being developed with a \$31 million grant of the California Energy Commission to provide emissions-free backup power for the Viejas Band of Kumeyaay Indians in case of grid emergencies or power shutoffs.

[Att. 1 - Indian Energy.pdf](#)

**6. NADBank: A Green Bank for the U.S.- Mexico Border**

Information

*Jesse Hereford, North American Development Bank*

Jesse Hereford will present an overview of NADBank's functions, including its traditional role on water, solid waste, and air quality projects, and new capacities for sustainable energy, cities, and production.

[Supporting Materials.pdf](#)

**7. Upcoming Meetings**

The next Borders Committee meeting is scheduled for Friday, July 28, 2023, at 12:30 p.m.

**8. Adjournment**

+ next to an agenda item indicates an attachment



June 23, 2023

## **April 28, 2023, Meeting Minutes**

### [View Meeting Video](#)

Vice Chair Jesus Eduardo Escobar (Imperial County) called the Borders Committee to order at 12:35 p.m.

#### **1. Public Comments/Communications/Member Comments**

Blair Beekman, member of the public, spoke regarding cross-border and law enforcement issues.

Councilmember Carolina Chavez (South County) spoke regarding capacity of the Border Patrol.

Executive Director Gustavo Dallarda (Caltrans) spoke regarding safety for Caltrans workers along local roads and highways.

#### **2. Agency Report**

Chief of Staff Victoria Stackwick presented an update on key programs, projects, and agency initiatives.

There were no public comments on this item.

Action: Discussion only.

### **Consent**

#### **3. Approval of Meeting Minutes**

There were no public comments on this item.

Action: Upon a motion by Supervisor Joel Anderson (County of San Diego) and a second by Councilmember David Druker (North County Coastal), the Borders Committee voted to approve the minutes from its February 24, 2023, meeting.

The motion passed.

Yes: Vice Chair Jesus Eduardo Escobar (Imperial County), Councilmember Chavez, Supervisor Anderson, Councilmember Vivian Moreno (City of San Diego), Councilmember Dave Druker, Mayor Dane White (North County Inland), and Vice Mayor Laura Koval (East County).

No: None.

Abstain: None.

Absent: None.

### **Reports**

#### **4. San Ysidro Mobility Hub**

Associate Regional Planner Zach Hernandez presented an overview of the San Ysidro Mobility Hub project, which advances the implementation of Mobility Hubs in the 2021 Regional Plan.

Tim Bilash, member of the public, spoke regarding offloading credentials prior to Port access for pedestrians.

Blair Beekman spoke regarding technology accountability practices and public education.

Action: Information only.

## **5. Bike Projects and Activities Along the U.S.-Mexico International Border**

### **5A. Border to Bayshore Bikeway**

Associate Regional Planner Madai Parra presented an update on the Border to Bayshore Bikeway project.

Blair Beekman spoke regarding transparency around technology implementation.

Jared Caswell, member of the public, spoke regarding safety issues along the Bayshore Bikeway.

Action: Information only.

### **5B. City of Tijuana Ciclovía Del Rio**

Rafael Luna, Instituto Metropolitano de Planeación, City of Tijuana, presented an update on City of Tijuana's planned bike routes, including the rehabilitation of the existing Ciclovía del Rio and plans for its future connection to the San Ysidro-Puerta Mexico Port of Entry.

Tim Bilash spoke regarding potential environmental impacts of reducing car crossings, as well as traffic management around bikeways.

Blair Beekman spoke regarding Vision Zero and public safety goals.

Action: Information only.

### **5C. 2023 Bike Anywhere Day and Other Border Bike Updates**

Since 2011, San Diego and Tijuana share a Border bike event to celebrate and promote the use of bicycles. Elizabeth Hensley-Chaney, Daniel Gómez, and Tomás Pérez-Vargas will present an update on efforts to plan and coordinate activities for the 2023 Annual Bike Anywhere Day and Tijuaneando en Bici, and other Border bike updates.

There were no public comments on this item.

Action: Information only.

## **6. Upcoming Meetings**

The next Borders Committee meeting is scheduled for Friday, May 26, 2023, at 12:30 p.m.

## **7. Adjournment**

Vice Chair Escobar adjourned the meeting at 2:21 p.m.

## Confirmed Attendance at Borders Committee Meeting

April 28, 2023

Jurisdiction	Name	Member/ Alternate	Attended
South County	Matthew Leyba-Gonzalez, Chair	Member	No
	Carolina Chavez	Alternate	Yes
East County	Laura Koval	Member	Yes
	Patricia Dillard	Alternate	No
City of San Diego	Vivian Moreno	Member	Yes
	Sean Elo-Rivera	Alternate	No
County of San Diego	Joel Anderson	Member	Yes
	Nora Vargas	Alternate	No
Imperial County	Jesus Eduardo Escobar, Vice Chair	Member	Yes
	Luis Plancarte	Alternate	No
North County Coastal	Dave Druker	Member	Yes
	Peter Weiss	Alternate	No
North County Inland	Dane White	Member	Yes
	Mike Morasco	Alternate	No
Advisory Members			
Riverside County	Crystal Ruiz	Member	Yes
	Yxstian Gutierrez	Alternate	No
Republic of Mexico	Carlos González Gutiérrez	Member	No
	Gilberto Luna	Alternate	No
	Natalia Figueroa	Alternate	Yes
Southern California Tribal Chairmen's Association	Raymond Welch	Member	Yes
	Cody Martinez	Alternate	No
Caltrans	Gustavo Dallarda	Member	Yes
	Ann Fox	Alternate	Yes
	Mario Orso	Alternate	No
San Diego County Water Authority	Valentine Macedo, Jr.	Member	Yes
	Steve Casteneda	Alternate	No
Southern California Association of Governments	Naresh Amatya	Member	No
	David C. Salgado	Alternate	No
Orange County	Vacant	Member	No
	Vacant	Alternate	No

## SANDAG: BORDER'S COMMITTEE SANDAG: COMITÉ DE FRONTERAS

*International Border Community Steering Committee*

*Comité Directivo Comunitario de Comunidad Fronteriza Internacional*

June 23, 2023

23 de junio de 2023



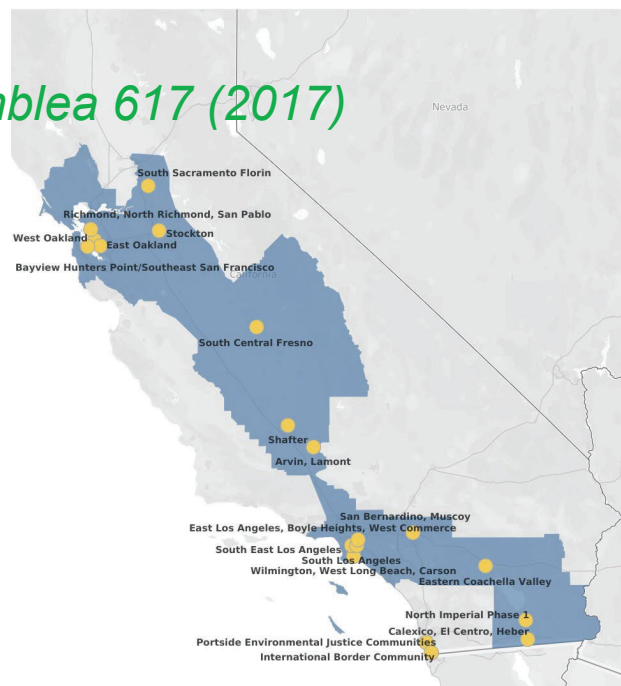
San Diego County Air Pollution Control District

Distrito de Control de Contaminación del Aire del Condado de San Diego

## Assembly Bill 617 (2017)

### *Proyecto de Ley de la Asamblea 617 (2017)*

- Purpose of bill is to identify and reduce air pollution in communities experiencing environmental injustices.
- *El propósito del proyecto de ley es identificar y reducir la contaminación del aire en las comunidades que experimentan injusticias ambientales.*
- A key component to the bill is community engagement in the development of programs.
- *Un componente clave del proyecto de ley es la participación de la comunidad en el desarrollo de programas.*



San Diego County Air Pollution Control District

# International Border Community

## *Comunidad Fronteriza Internacional*



San Diego County Air Pollution Control District

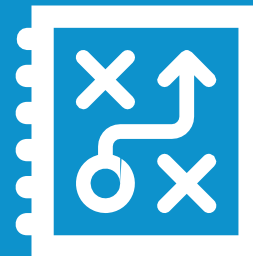
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# Community Air Protection Program

## *Programa de Protección del Aire Comunitario*



**Community Air Monitoring Plan (CAMP)**  
*Plan de Monitoreo del Aire Comunitario*



**Community Emissions Reduction Program (CERP)**  
*Programa Comunitario de Reducción de Emisiones*



San Diego County Air Pollution Control District

4

## Community Air Monitoring Plan (CAMP) *Plan de Monitoreo del Aire Comunitario (CAMP)*

DETERMINE THE REASON FOR CONDUCTING COMMUNITY AIR MONITORING

DESCRIBE HOW THE COMMUNITY AIR MONITORING WILL BE CONDUCTED

IDENTIFY HOW THE DATA WILL SUPPORT ACTION TO REDUCE  
AIR POLLUTION WITHIN THE COMMUNITY

*Determinar las razones para monitorear el aire en la comunidad*

*Describir cómo se llevará a cabo el monitoreo del aire en la comunidad*

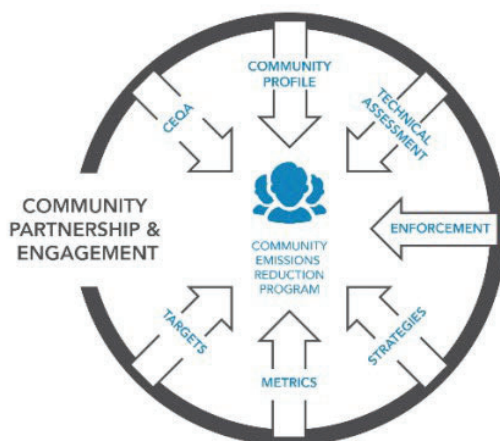
*Identificar cómo los datos obtenidos apoyarán acciones para reducir la contaminación del aire en la comunidad*



San Diego County Air Pollution Control District

5

## Community Emissions Reduction Program (CERP) *Programa Comunitario de Reducción de Emisiones*



### • *Colaboración y participación pública*

- *Perfil Comunitario*
- *Evaluación Técnica*
- *Cumplimiento de la Ley*
- *Estrategias*
- *Métricas*
- *Objetivos*
- *Ley de Calidad Ambiental de California (CEQA)*



San Diego County Air Pollution Control District

6



## International Border Community Steering Committee

*Comité Directivo Comunitario de Comunidad Fronteriza Internacional*



San Diego County Air Pollution Control District

7

## Community Priorities

*Prioridades de la comunidad*



*Sensitive Populations and Locations*  
*Poblaciones y lugares sensibles*



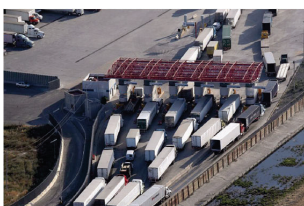
San Diego County Air Pollution Control District

8





**Passenger Vehicle Traffic**  
*Tráfico de vehículos de pasajeros*



**Heavy Duty Trucks**  
*Camiones de Servicio Pesado*



**Cross-Border**  
*Transfronterizo*



**Other Mobile Sources**  
*Otras Fuentes Móviles*



San Diego County Air Pollution Control District

## Next Steps *Próximos Pasos*



San Diego County Air Pollution Control District

# Thank you!

*¡Gracias!*

**Monique G. López** (*they/them*) | AICP, MCRP, MA  
**Program Coordinator | Office of Environmental Justice**  
*San Diego County Air Pollution Control District*  
**(858) 899-1487 | [monique.lopez@sdapcd.org](mailto:monique.lopez@sdapcd.org)**  
**SDAPCD.ORG | @SDAPCD**



San Diego County Air Pollution Control District

## Indian Energy

### Background

Indian Energy is a boutique Native Owned microgrid and energy storage developer.

Indian Energy's vision is to unify the Tribal Nations of the United States to bring cash rich-land poor nations together with land rich-cash poor nations to assist in enabling their own energy sovereignty as well as to assist with the immediate transition away from the centralized, fossil fuel-based power grid.

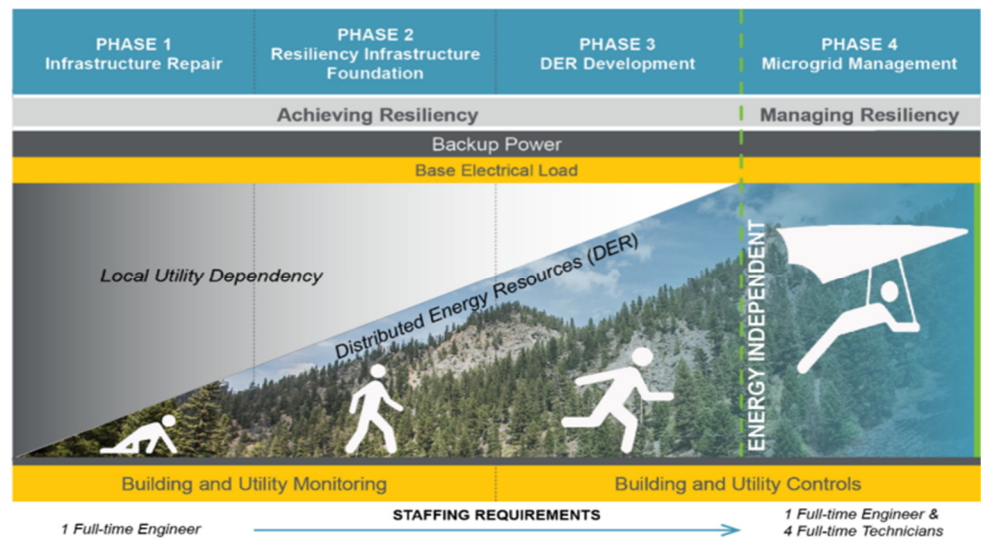


Partnered with the United States Navy and Marine Corps, through technology and a common need, Indian Energy has begun to finalize, deploy, and rapidly scale long duration energy storage microgrids in a regional system intended to enhance energy resilience, localize businesses, and solidify California and Baja's place in history as ground zero for a coming renaissance.

### Approach

Indian Energy's approach to partnership with Tribes who have identified the desire to move toward energy independence and sovereignty starts with listening and understanding. Our team of highly qualified engineers and developers will spend the time working through load profiles and technology options to identify a 'best of breed' plug and play infrastructural approach to build out a Tribal utility with the intent of the users of the systems to be the operators of the system. Our approach starts with designing a sustainable power system that will last a minimum of fifty years and be operated by you, the user. Our team has been operating these microgrids for over a decade and will be there the entire way to ensure a successful transition.

Indian Energy approaches all projects with a 'Crawl, Walk, Run, Fly' mentality which focuses on the big picture, yet starts small to allow for adaptations to the program based on dynamic risks and evolving opportunities.



The process typically starts with an MOU with the party's intent and some stated goals. From there, Indian Energy will work to fine tune engineered solutions options and technology 'best fits' and come up with a technical and financial program that works for the Tribes unique goals.

## **Models**

Indian Energy is a 100% Native and Family-Owned development firm. As such, we can employ a number of models suited to be the best fit model toward the goal of true energy independence and sovereignty. The following are models that Indian Energy is engaged in or has successfully engaged in over recent project history.

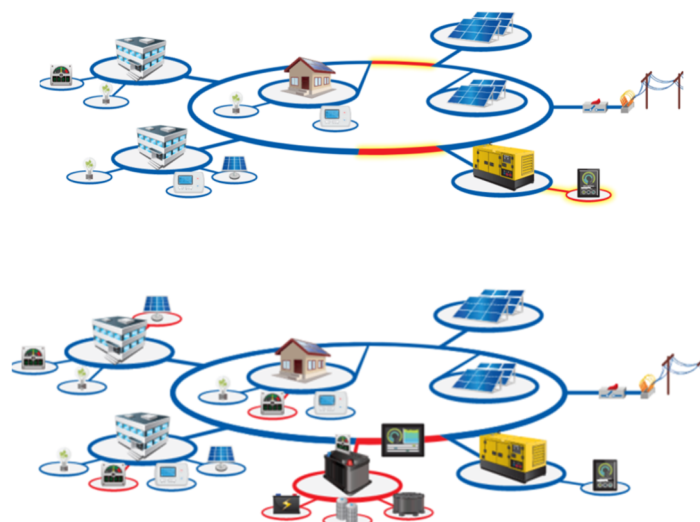
- Lump Sum and/or Design Build\*
- CM/PM\*
- Energy Services Agreements (ESA)
- Power Purchase Agreements (PPA)
- Equipment Leases
- O&M

\*projects typically in late-stage development and with funding

Indian Energy's most typical model is the Build-Own-Operate-Transfer (BOOT). The process initiates with a Tribe or Indigenous group which has a specific goal or concern in mind. The Indian Energy team then works with the group to develop a catered program which, either directly or through the establishment of a Special Purpose Vehicle (SPV), monetizes all available rebates, incentives and tax credits to provide the greatest system for the lowest up-front cost. The remaining monies needed to complete construction and move into operations is funded by a third-party lending party that is backed by an ESA or PPA. Indian Energy's model is to design and engineer in flexibility and redundancy to provide a more individualized power solution for a growing decentralized grid.

Typical NTE Fee: 20% of financed amounts (grants, incentives, etc.)

Ownership: Ownership of the assets can be transferred in a flexible way based upon an agreed upon model within 90 days of first funding, if not before.





# A Vision for Indian Country

Presented by Indian Energy



Not for distribution without written approval from Indian Energy, LLC

## Agenda

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About Indian Energy

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A Vision for Indian Country

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The Indian Energy Group

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Tribes Taking Action

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Tribal ZEV Transformation

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*Talking Circle*



# Allen G. Cadreau

Chief Executive Officer of  
Indian Energy

Proud Member of Sault Ste Marie  
Tribe of Chippewa Indians



## A Vision for Indian Country

- ◆ Building renewable microgrids on tribal lands that benefit the tribes
- ◆ Creating long-term revenue streams and lower costs of energy
- ◆ Training a Native workforce to construct, operate and maintain power plants
- ◆ Developing the Indian Institute of Technology (IIT) for technical career paths
- ◆ Forming a Tribal Syndicate for investment in energy projects
- ◆ Improving community health by reducing emissions on reservations

# Nicole Reiter

Vice President of Development &  
Tribal Liaison for Indian Energy

Proud Member of Sault Ste Marie  
Tribe of Chippewa Indians



## The Indian Energy Group



**Native and Tribal-Owned Energy and Microgrid Developer**

INDIAN ENERGY LLC



**Native-Owned Developer in Mexico**

Developing large-scale energy generation at the border



**MAADA'OOZH**  
Supply Chain and Logistics

**Native-Owned Distributor, Logistics and Maintenance Services**

Specialize in energy equipment, electrified transportation and EV charging infrastructure



**Tribal 8a – Manufacturing and Distribution Services**

Direct access to government contracts



Jingtamok, LLC

**Special Purpose Entities (SPE)**

Tribal companies with at least 51% of ownership in energy projects





## TRIBES TAKING ACTION

- ◆ Energy Sovereignty
- ◆ Triple Bottom Line Benefits
- ◆ Native Partnerships

## SHOWCASE

### Viejas Enterprise Microgrid

- ◆ 15 MW of Carport Solar PV
- ◆ 60 MWh of Long-Duration Energy Storage (LDES)
- ◆ Microgrid Controls



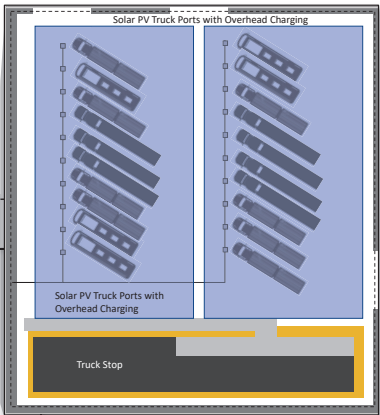
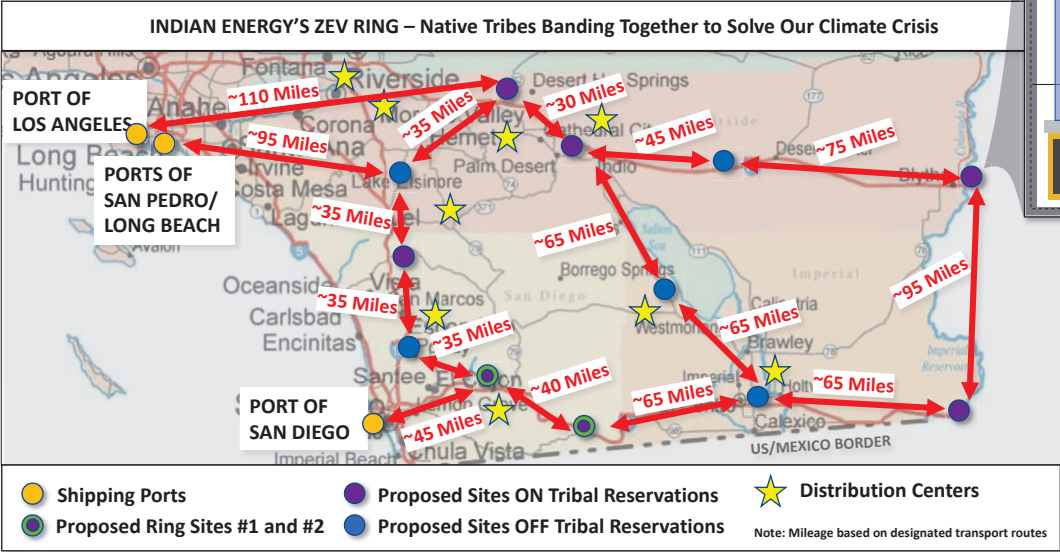
# Dr. Craig Reiter

General Manager & Chief  
Sustainability Officer of Maada’oozh

Proud Husband to a  
Chippewa Indian



## Tribal ZEV Transformation



*Talking Circle*



# Chi Miigwech!

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CONTACT US:

Project Development

**Nicole Reiter**

ncreiter@indianenergy.com  
714-473-2978

Equipment Procurement & Electrification

**Craig Reiter**

csreiter@maadaoozh.com  
714-448-7516





## NADBank: A Green Bank for the U.S.-Mexico border since 1994

June 23, 2023

Jesse J. Hereford  
Head of Strategic Partnerships  
& Stakeholder Engagement

North American Development Bank



1

## NADBank

Established in 1994

### Mandate

Develop and finance environmental infrastructure along the U.S.-Mexico border to improve well-being of the population:

- Projects located within 100 km (62 miles) north and 300 km (186 miles) south of the border

### Structure

Owned and governed equally by the Governments of the United States and Mexico

### Offices

San Antonio, TX and Ciudad Juarez, CHIH

### Ratings

Aa1 - Moody's; AA+ – Fitch

North American Development Bank

2

2

## NADBank Development Strategy



### Project Types



#### WATER

- » Water
- » Wastewater
- » Conservation
- » Stormwater



#### SOLID WASTE

- » Municipal
- » Industrial
- » Recycling



#### AIR QUALITY

- » Mobility
- » Paving
- » Border crossings
- » Industrial emissions



#### SUSTAINABLE ENERGY

- » Generation
- » Storage
- » Efficient use



#### SUSTAINABLE CITIES

- » Urban development
- » Sustainable buildings
- » Industrial parks
- » EV Charging stations



#### SUSTAINABLE PRODUCTION

- » Green manufacturing and products (electric vehicles)
- » Food value chains



#### CLIMATE CHANGE

- » Mitigation
- » Adaptation

North American Development Bank

3

3

## NADBank programs



### Loans

- ◆ Competitive, fixed or floating rates
- ◆ Terms of up to 30 years
- ◆ Technical support and project structuring services

- ◆ EPA-funded Border Environment Infrastructure Fund (BEIF)
- ◆ NADBank-funded Community Assistance Program
- ◆ Border 2025 Program administration

### Grants

### Technical Assistance

- ◆ Project development
- ◆ Capacity-building/Utility Management Institute
- ◆ Project Coordination

North American Development Bank

4

4

## Financing Criteria



- ◆ Every project funded by NADB Bank must meet the following criteria:
  - **Technical viability:** The project must use technically feasible systems, processes and equipment.
  - **Financial self-sufficiency:** The project must be financially self-sufficient based on cash-flow projections generated by NADB Bank in its analysis of the project.
  - **Environmental and/or health benefits:** The project must address an environmental need on the border and not harm human health or ecosystems in the region.
  - **Contribute to sustainable development:** The project must contribute to the sustainable development of the community and the region as a whole.

## Proven Track Record

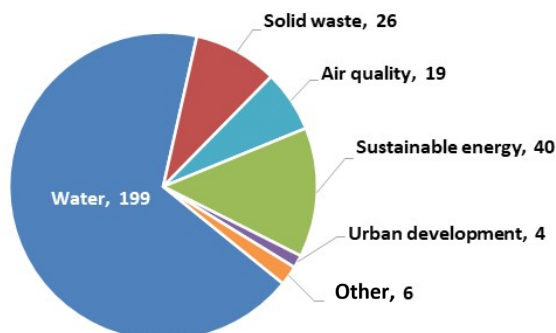


Since 1994

294 Projects → US\$10.8 billion Total investment

- ◆ **US\$3.6 billion** contracted through NADB Bank

- **US\$2.8 billion** in loans
- **US\$0.8 billion** in grants



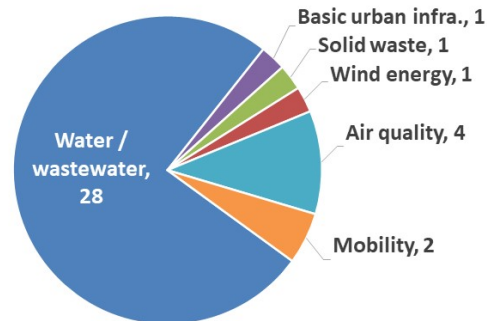
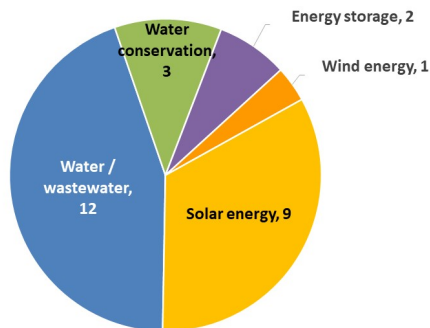
- **Water** – Drinking water, wastewater, stormwater & conservation
- **Solid waste** – Landfills & equipment
- **Air quality** – Street paving, mobility, border crossings
- **Sustainable energy** – Solar, wind, biogas, biofuel, storage
- **Other**

## Regional Participation in CaliBaja Region



### Project Financing in CA and Baja California

- ◆ **California:**  
27 projects financed with  
US\$478.0 million contracted
- ◆ **Baja California:**  
37 projects financed with  
US\$428.3 million contracted



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7

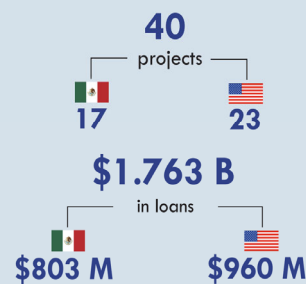
7

## NADBank Financing in Clean Energy Sector

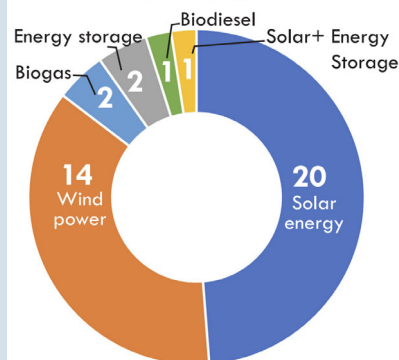


### Since 2011

No. of projects and NADB financing contracted in renewable energy



No. of projects by type of source



- ◆ Total infrastructure investment in the clean energy sector of these 40 projects is over US\$6.2 billion (successful mobilization of private capital).

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8

8



## Border Water Infrastructure Program (BWIP)

Funded by EPA & Administered by NADBank since 1997

As of September 30, 2022

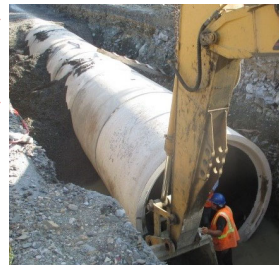
# 137 projects

## US\$711 million contracted

## 69 in U.S. / 68 in Mexico

## 122 completed / 15 in process

- These funds have supported the development of projects benefitting 9 million people.
- First-time sewer service for approx. 900,000 households & First-time clean drinking water for 70,000+ households



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9

9

## \$150m Water Loan for Baja CA

- ◆ The loan to fund water and wastewater infrastructure throughout Baja CA over the next three years was signed in January.
- ◆ Loan allows the State to secure an adequate water supply for the state, as well as address wastewater issues impacting binational waterways and coastlines.



First sustainable loan at the subnational level in Mexico.

Combination of Sustainability Linked Principles and Use of Proceeds Principles.

It's expected to increase the water utilities' performance with the incentive structure.

With this financing, the State government intends to leverage funds from FONADIN, BEIF, CONAGUA, and private investments.

Projects to be selected are expected to generate more revenue.

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10

10

## Project Specific Slides - Samples

- ❑ Ports of Entry
- ❑ Cross-border Wind Farm in Baja CA
- ❑ Battery Storage in San Diego County
- ❑ Green Buildings
- ❑ Sustainable Food Value Chain

## Otay Mesa East Port of Entry

NADBank is responsible for toll sharing between both countries



## Anzalduas International Bridge Expansion

### Air Quality Project on Texas-Mexico Border

- ◆ \$63 million NADBank loan for an international crossing expansion project. (LEED certified)
  - Project consisted of adding U.S. federal commercial inspection facility
- ◆ Expected reduction of GHG emissions & other pollutants from commercial traffic in Year 1, as measured in metric tons:



CO <sub>2</sub>	NO <sub>x</sub>	CO	VOC	PM <sub>10</sub>	PM <sub>2.5</sub>
19,563	131	54	12	13	5

CO<sub>2</sub> = carbon dioxide, NO<sub>x</sub> = nitrogen oxides, CO = carbon monoxide, VOC = volatile organic compounds, PM<sub>10</sub> = particulate matter (PM) with a diameter of 10 micrometers (μm) or less, PM<sub>2.5</sub> = PM with a diameter of 2.5 μm or less

## Energía Sierra Juárez 1 Wind Project

### 1st U.S.-Mexico Cross-Border Wind Farm located in Tecate, Baja California & San Diego, CA

Sponsor:	Infraestructura Energética Nova, S.A.B. de C.V.
Off-taker:	San Diego Gas & Electric (SDG&E)
NADBank Loan:	US\$39.15 million
Purpose:	Design construction and operation of a <b>155.1 MW</b> wind farm in Tecate, B.C. and construction of a 4.8-mile transboundary double-circuit transmission line to deliver electricity to San Diego County, CA
Expected Results:	<ul style="list-style-type: none"> <li>✓ Improve air quality, while providing a safe and reliable energy alternative</li> <li>✓ Prevent emission of an estimated <b>100,686 metric tons/year</b> of CO<sub>2</sub> and <b>153 metric tons/year</b> of NO<sub>x</sub></li> <li>✓ Generate electricity equivalent to the annual consumption of <b>70,832</b> households</li> </ul>



## EnerSmart Battery Storage Portfolio



### San Diego County, California

<b>Sponsor:</b>	EnerSmart Storage Operating LLC
<b>Off-taker:</b>	California Grid
<b>NADBank Loan:</b>	\$39.1 million (half of total project cost)
<b>Purpose:</b>	The Project consists of the design, construction, and operation of a portfolio of nine sites with utility scale energy storage projects with a combined capacity of 165 megawatts in alternating current (MWAC).
<b>Expected Results:</b>	<ul style="list-style-type: none"> <li>✓ Will reduce the use of ramp-up fossil-fuel power generating plants, which translates in a reduction of approximately <b>31,100 metric tons/year of CO<sub>2</sub></b>.</li> <li>✓ Capable of storing up to <b>330 MWh of electricity</b>, the equivalent of supplying <b>110,000 customers for up to two hours</b>.</li> <li>✓ Will support a more efficient and reliable power grid by minimizing power disruptions and reducing energy losses.</li> </ul>



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15

15

## OSME Medical Clinic and Hospital



### LEED Certified Building Project in San Luis Rio Colorado, Sonora

- ◆ Project approved pending contract closing
- ◆ Expected Outcomes:
  - Increase healthcare services for migrant farmworkers in the region by providing up to:
    - 33,800 primary care physical exams a year once the Project is operational and reaches capacity.
    - 67 additional hospital beds, which represents a 57% increase for San Luis Río Colorado.
  - A 43% decrease in water consumption compared to a typical healthcare facility. This decrease represents (4.2 million gallons) a year, similar to the annual consumption of 60 households.
  - An 18% decrease in electricity consumption for ambient air-cooling purposes compared to the baseline building in Mexican regulations, similar to the annual consumption of 34 households. This electricity is equivalent to the displacement of 83 metric tons/year of carbon dioxide (CO<sub>2</sub>) emissions.



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16

16

## SANA Premium Foods Processing Plant

### Food Value Chain Project in San Luis Rio Colorado, Sonora

- The proposed project consists of the design, construction and equipping of a food processing facility with a production capacity of 25 million pounds/yr.
- The Project is expected to provide the following environmental benefits:
  - (i) A **reduction in water consumption** equivalent to 800,000 gallons/year, which represents a **decrease of 49%**.
  - (ii) A **reduction in electricity consumption** equivalent to 1,251 megawatts-hour (MWh) per year for operations, **representing a decrease of 12.7%**.
    - 403 metric tons/year of carbon dioxide (CO<sub>2</sub>);
    - 1.4 metric tons/year of nitrogen oxides (NO<sub>x</sub>);
    - Less than 1 metric/year of sulfur dioxide (SO<sub>2</sub>); and
    - Less than 1 metric ton/year of particulate matter with a diameter of 10 micrometers or less (PM<sub>10</sub>).



## Thank you/Any questions???

Please feel free to contact me for any additional information.

Jesse J. Hereford

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