



# The Energy Sovereignty Institute

*Welcome to the 2019 Tribal Energy Workshop!*

# About ESI

- ESI is a joint initiative of:
  - The Sustainable Native Communities Collaborative
  - The Microgrid Systems Laboratory



# About ESI

- ESI's mission is to ensure that indigenous communities have access to the most current cultural, technological, policy and regulatory, and financing resources in support of their goals in energy generation, distribution, and consumption
- Today's workshop is meant to:
  - Deliver an overview of information and resources to you
  - Help us design the next stage of ESI's development, to serve you

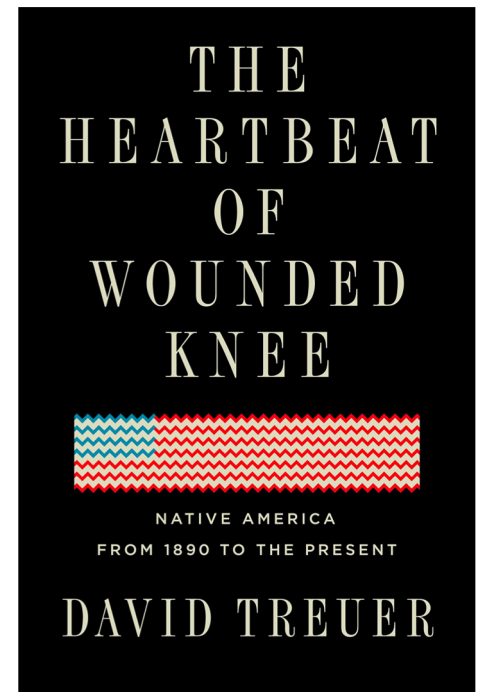
# On Energy Sovereignty

## From “The Heartbeat of Wounded Knee”:

“To believe in sovereignty, to move through the world imbued with the dignity of that reality, is to resolve one of the major contradictions of modern Indian life: It is to find a way to be Indian and modern simultaneously.”

## From the Debt Observatory on Globalization:

“Energy sovereignty is the right of conscious individuals, communities and peoples to make their own decisions on energy generation, distribution and consumption in a way that is appropriate within their ecological, social, economic and cultural circumstances....”



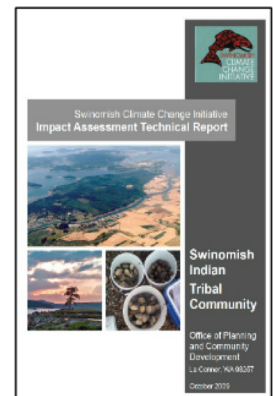
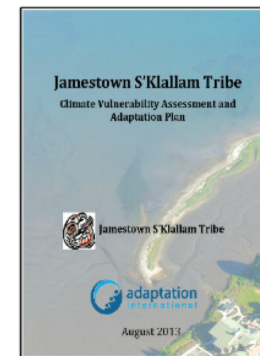


# On Energy Sovereignty



# Trends in the Energy Environment

- Climate change, implications for tribes, especially fossil fuel economies
- Decarbonization, RPS, climate goals; opportunities for tribes
- Extreme weather, cyber-attacks, grid vulnerabilities: community resiliency and sovereignty



# Tribal Leadership of the Energy Transition



Finalist for the “Microgrids for Good” Award:  
Blue Lake Rancheria Tribe of California



Children of the Sun Solar Initiative:  
Spokane Tribe

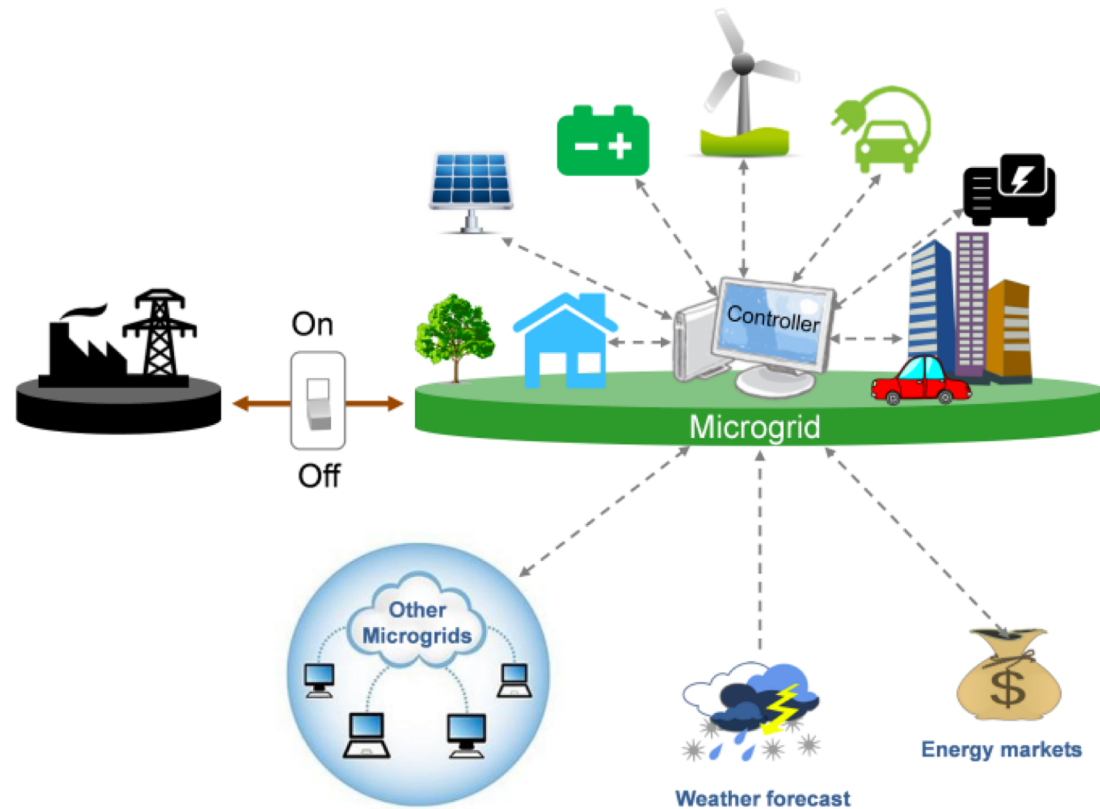


*“Tribes are not vestiges of the past, but laboratories of the future.” –Vine Deloria, Jr. (Sioux)*

# Microgrids

A **microgrid** is a group of interconnected loads and distributed energy resources within clearly **defined** electrical boundaries that acts as a single controllable entity with respect to the grid.

A **microgrid** can connect and disconnect from the grid to enable it to operate in both grid-connected or island-mode.



# Resources

Printed handouts are in your packets. We will also post these to a website with links:

- U.S. Dept. of Energy -- Office of Indian Energy -- Technical Assistance, Planning, and Education:
  - [Tribal Strategic Energy Plan and Planning Handbook](#)
  - [Technical Assistance](#)
  - [Webinars](#)
  - Blue Lake Rancheria and Citizen Potawatomi [microgrid webinar](#)
- The National Renewable Energy Laboratory [Tribal Energy Atlas](#)
- Sandia National Laboratories [Indian Energy Program](#)

More...

# Resources (continued)

## Grants, Loans, and Funding Resources:

- US Department of Agriculture: [Energy Programs](#)
- US Department of Energy, Office of Indian Energy: [Funding Programs](#); [Energy Infrastructure Deployment on Tribal Lands](#)
- GridAlternatives, [Tribal Solar Accelerator Fund](#) (can be used for cost share on DOE Infrastructure grants)
- US Department of the Interior, Bureau of Indian Affairs: [Build Tribal Energy Development Capacity](#) grants
- Cornerstones Community Partnerships [Solar Initiative](#)
- NM [Tribal Infrastructure Fund](#)
- NM [Capital Outlay](#) funds

## Regulatory Factors:

- NM Energy Transition Act: [summary](#) and [full text](#)

# Thanks for Joining Us!

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