



USDOE Office of Indian Energy Policy and Programs/WAPA's
Monthly Tribal Energy Webinar Series
"Expanding Tribal Energy Development Through Partnerships"

TRIBES WORKING TOGETHER OVERVIEW

Glenn Steiger – NAVAJO TRIBAL UTILITY AUTHORITY
October 25, 2017



Agenda

- What Is The Navajo Tribal Utility Authority (NTUA)?
- How Can a Tribal Utility Gain Strength Through Affiliation?
- What Are The Available Affiliations?
- Why NTUA Has Joined Organizations?
- National Organizations
- Regional Organizations
- Statewide Organizations
- Other Possibilities?
- How About the Downside??
- Questions?



Navajo Tribal Utility Authority



Primary Multi-utility provider on the Navajo Nation

**Electricity, Water, Natural Gas, Wastewater Treatment,
Renewable Energy, and Communications**

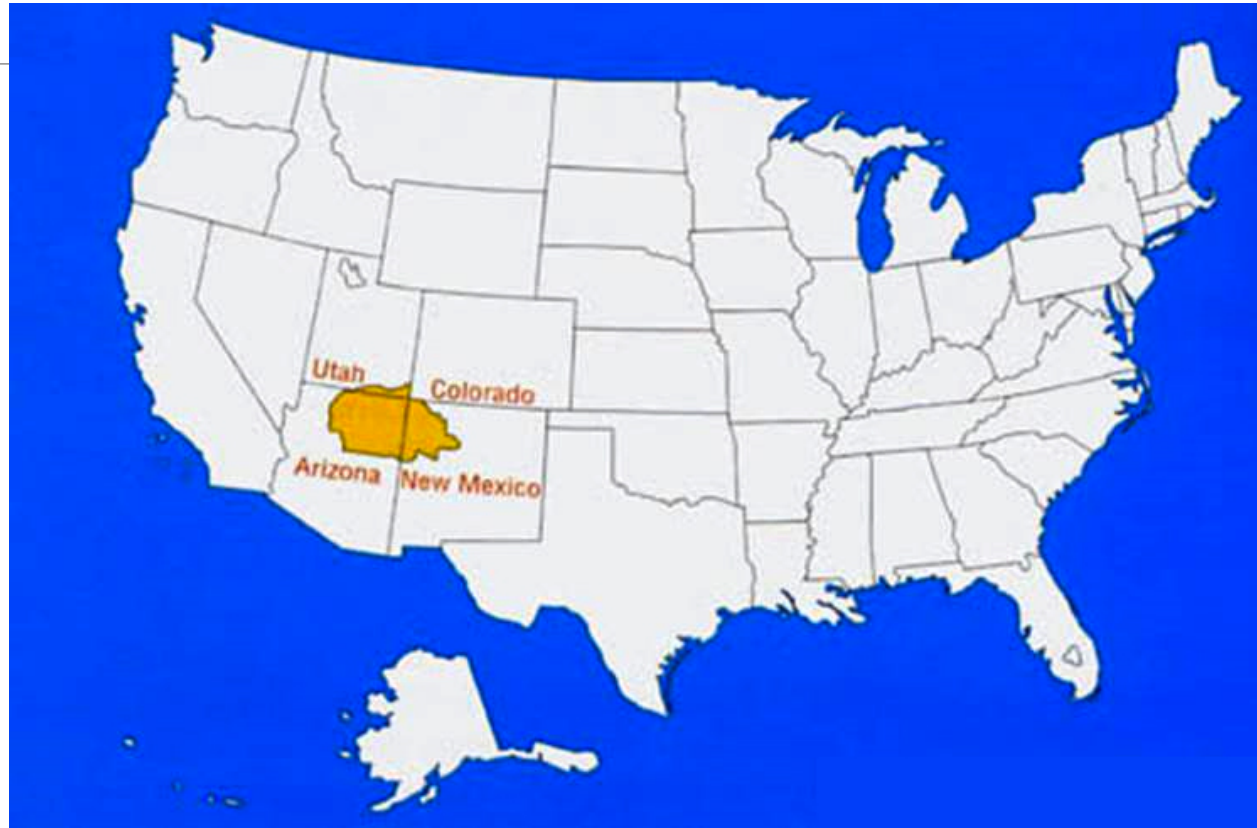


- **Created in 1959**
- **A non-profit enterprise of the Navajo Nation**
- **Today – NTUA continues to address the multi-utility needs of the Navajo Nation**
- **Service Territory – 27,000 square miles across the Navajo Nation**
- **Seven District Offices – serve as a central point for business operations**
- **Extends – Electricity, Water, Wastewater Treatment, Natural Gas, Renewable Energy**
- **In recent years added: Communications – Internet, Cell Phone, and Data Storage Services**

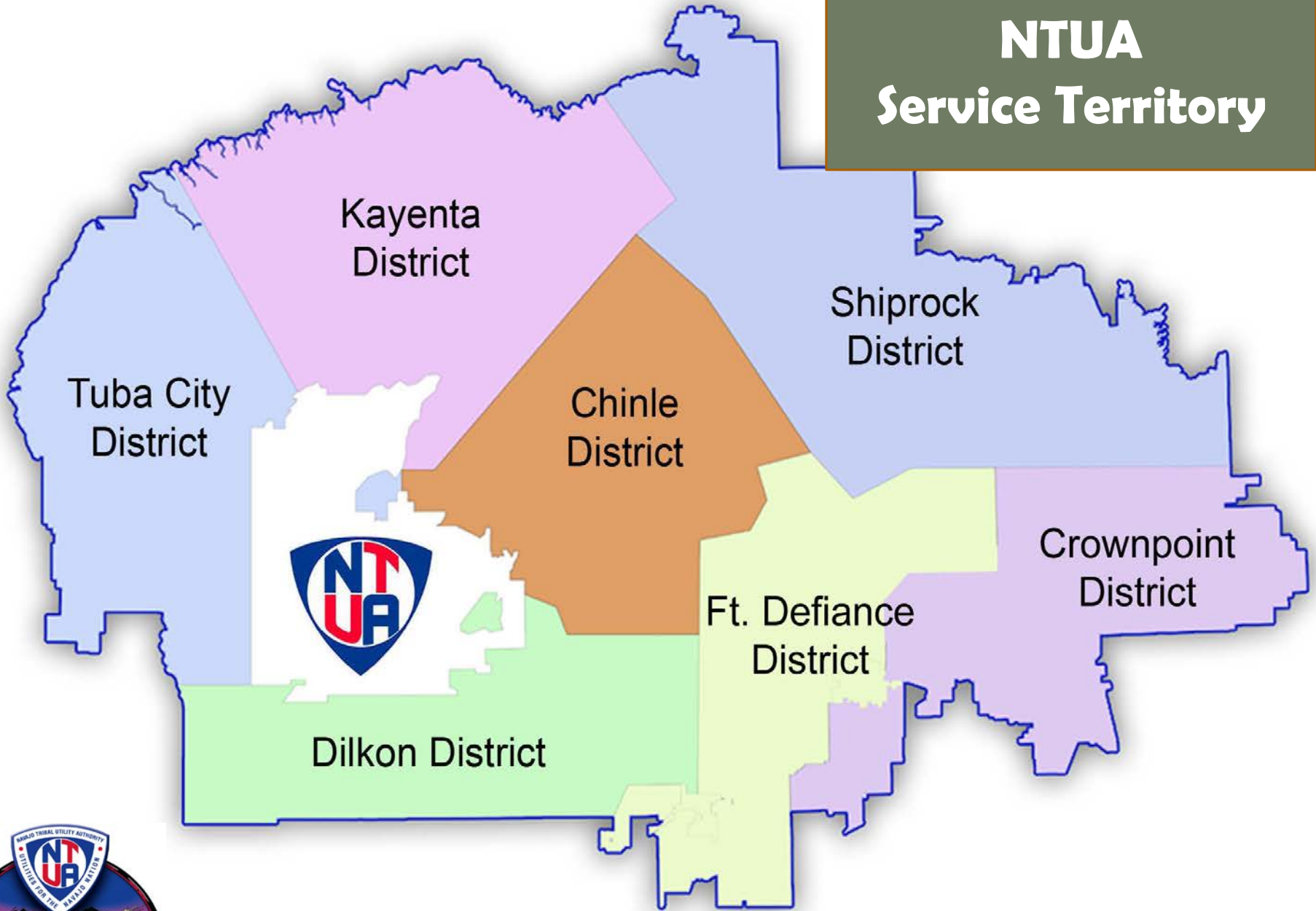


Navajo Nation – Southwest USA

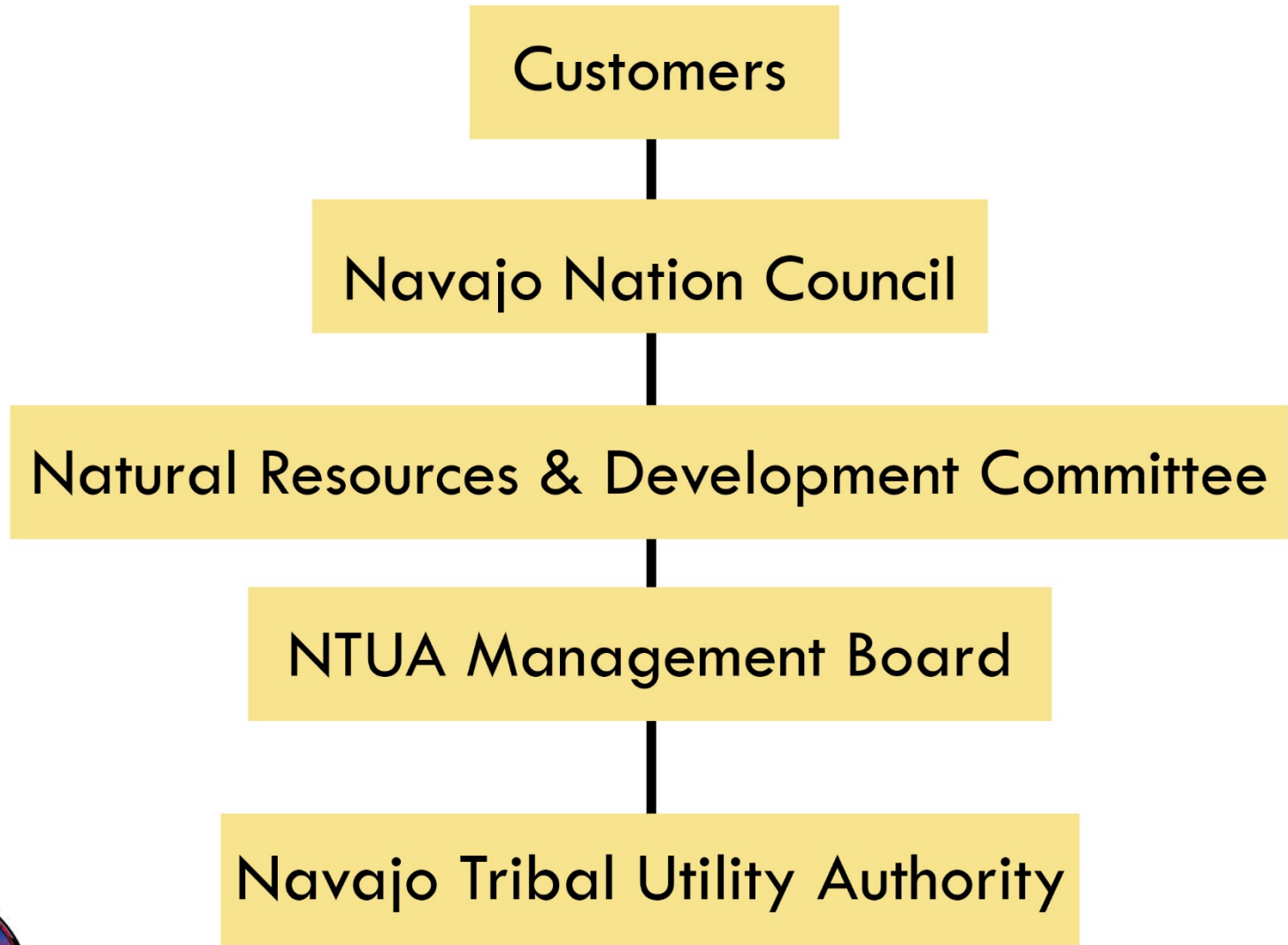
- 186,500 Citizens
- Territory larger than West Virginia
- Unemployment rate of 48.5% - (9 times current U.S. average)
- 38% of Navajo people live below poverty line
- Avg per capita income of \$10,695 vs U.S. avg of \$48,377



NTUA Service Territory



Organizational Structure



How Can a Tribal Utility Gain Strength Through Affiliation?

Power Supply

- Power Pooling
- Power Purchase Agreements
- New Generation
- Renewables
- Ancillary Services
- Contract Development/Negotiation
- Shared Risk



How Can a Tribal Utility Gain Strength Through Affiliation?

Transmission

- Planning
- Allocation
- Development
- RTO Involvement
- Balancing Authority Issues
- Contract Development/Negotiation
- Flow Analysis



How Can a Tribal Utility Gain Strength Through Affiliation?

Influence

- Legislative
- Regulatory
- Technical
- Financial
- Environmental
- New Technologies



How Can a Tribal Utility Gain Strength Through Affiliation?

Additional Services

- Group Purchasing
- Group Inventory
- Energy Services
 - Energy Efficiency
 - Demand Response
 - Distributed Generation
- Centralized Technical Assistance
 - IT
 - AMI/Smart Grid



How Can a Tribal Utility Gain Strength Through Affiliation?

Training

- Technical
- Operational

Education

- Organizational
- Political
- Emerging Trends
- New Technologies



How Can a Tribal Utility Gain Strength Through Affiliation?

Access To Financial Markets/Assistance

Funding Opportunities

Access to Pension/401K Programs

Scholarship Programs

Subsidies

What Are The Available Affiliations?

National Industry Associations

Regional Organizations/Compliance Groups

Statewide Associations

Joint Action Agencies

Generation and Transmission Organizations

Tribal Organizations

Application Associations/Collaboratives



Why NTUA Has Joined Organizations?

Information Exchange

Provide National Exposure to Tribal Energy Issues Specific to NTUA

Education/Training

Power Supply

Transmission Involvement

Financial Assistance

Regulatory Influence

Networking – Information Exchange!!



National Organizations

American Public Power Association (APPA)

- Available to All Tribal Utilities
- Over 1200 Members
- Hometown Connections/Purchasing Benefits

National Rural Electric Cooperative Association (NRECA)

- Available to Most Tribal Utilities
- Over 900 Members
- Touchstone Energy/Marketing Assistance



Regional Organizations

Reliability Councils – eg., WECC

Regional Transmission Organizations – RTO

Transmission Planning Organizations/Assns.

Energy Markets

Hydro-Electric Distributor Associations

Scheduling Associations



Statewide Organizations

Public Power Joint Action Agencies - JAAs

Cooperative Generation and Transmission Groups –G&Ts

Municipal Utility Associations

Inter Tribal Councils

Irrigation District Associations



Other Possibilities

Aggregation

- Community Choice
- Multi-Tribal
- Community Solar

Purchasing Coops

Training Institutes



How About the Downside?

Cost

Compromise

Unified Leg/Regulatory Positions

Shared Risk (it's a downside, too!)

Overall, the Benefits Far Outweigh the Downside Risks!





Questions?

Glenn Steiger

glenns@NTUA.com

818 518-0122