



Pueblo of Acoma
HAAKU

Enhancement of Pueblo of Acoma Utility Authority

Presented by:

Raymond Concho Jr., 1st Lieutenant Governor

Arvind Patel, Utility Authority Director

Agenda



- Background
- Project Overview
- Future Plans

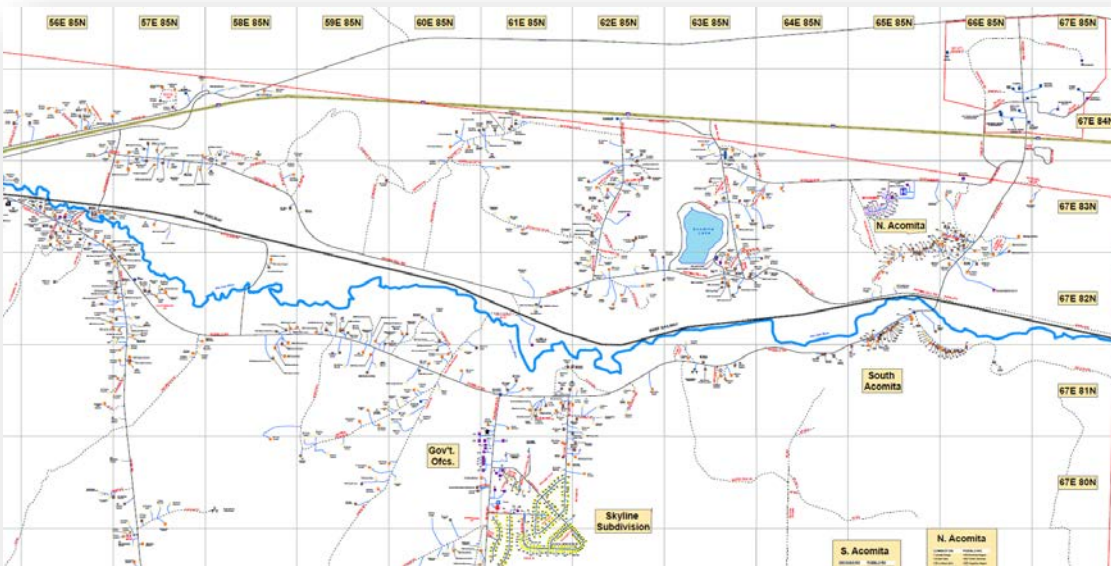
Pueblo of Acoma



- One of nineteen Pueblos in New Mexico
- 6,344 enrolled tribal members 2,906 are on Acoma Tribal Lands
- Tribal Leadership is appointed annually by traditional leaders of the Pueblo.
- “Oldest continuously inhabited village in North America”

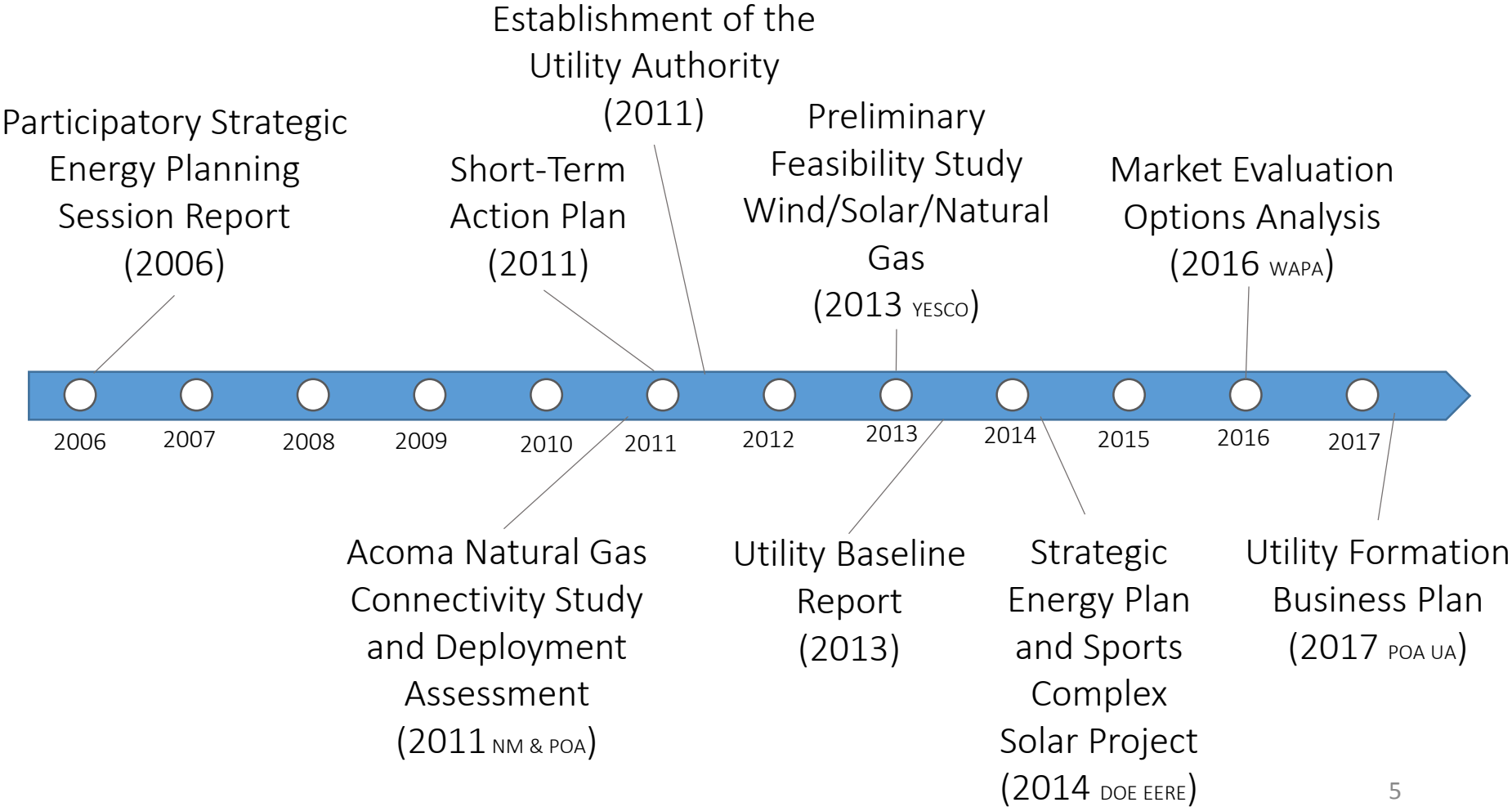
Location

- 55 miles west of Albuquerque in west central NM
- 770,000 acres of trust land, but the vast majority of this land is considered open range.
- 5,612 – 7068 ft above sea level, high mountain desert
- Tribal Boundaries are contiguous, few checker boards.
- In the recent years the Pueblo has acquired lands adjacent to the current boundaries.



Project Background

Acoma has been pursuing energy alternatives since 2006



Project Background

Solar Projects at the Pueblo of Acoma



13 unit off-grid waterless composting restroom buildings atop Old Acoma



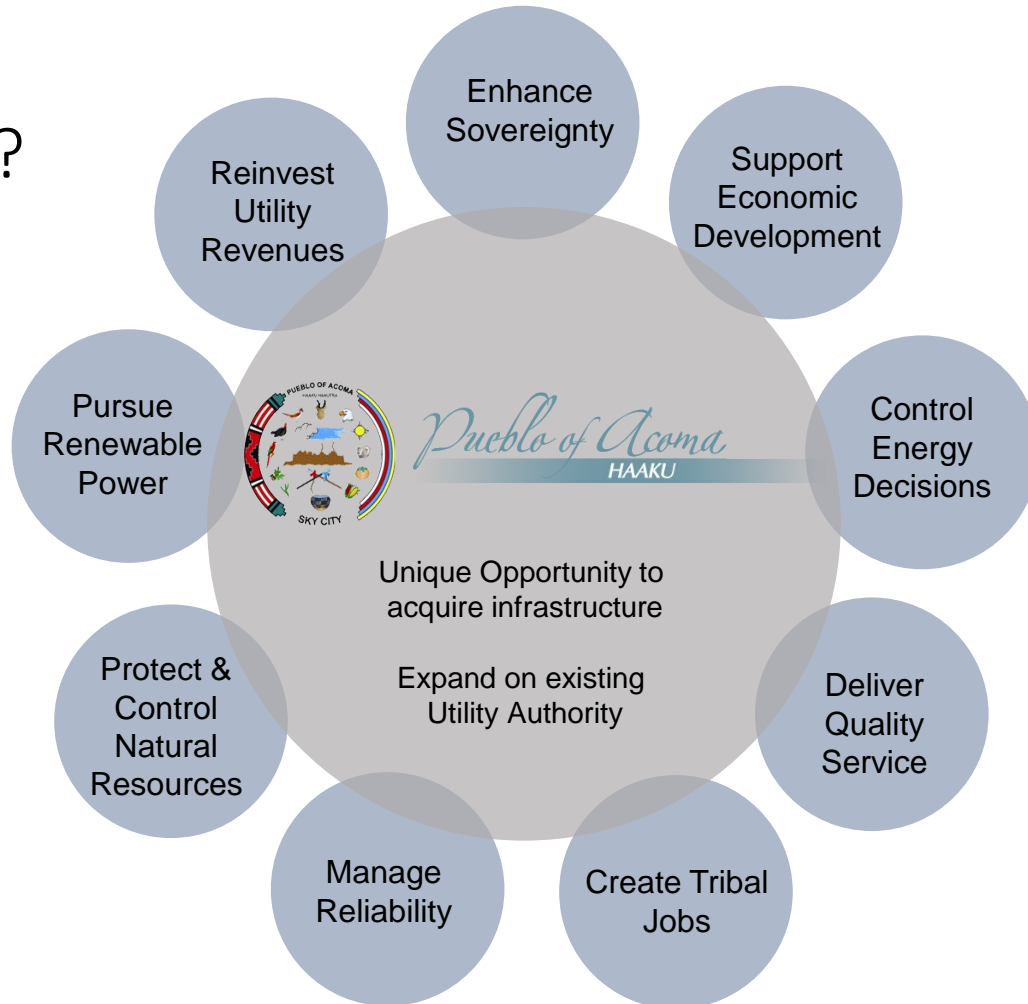
Off-grid pv system for running track lighting



Project Background

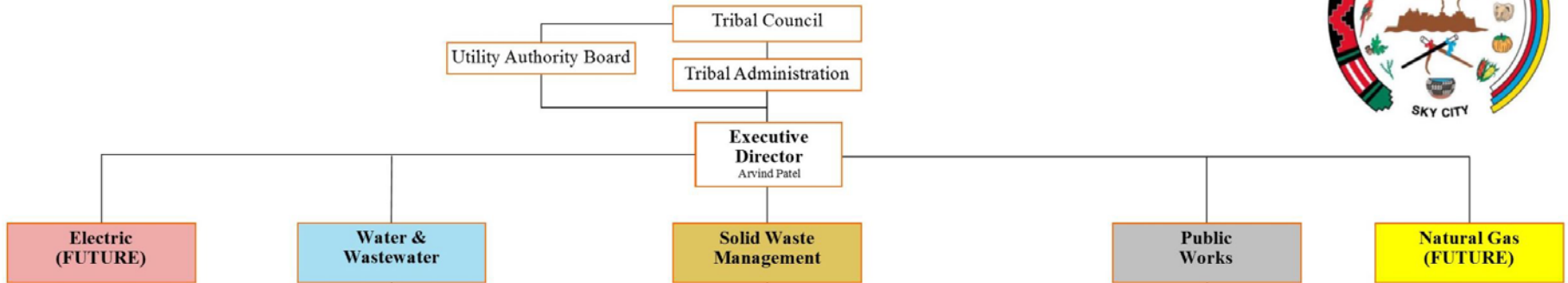
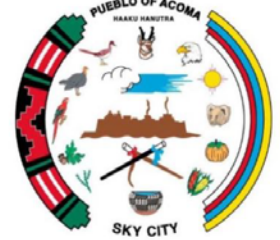
In 2016, Acoma prioritized electric utility formation

Why?



Pueblo of Acoma Utility Authority

2017 Utility Authority Organization Chart

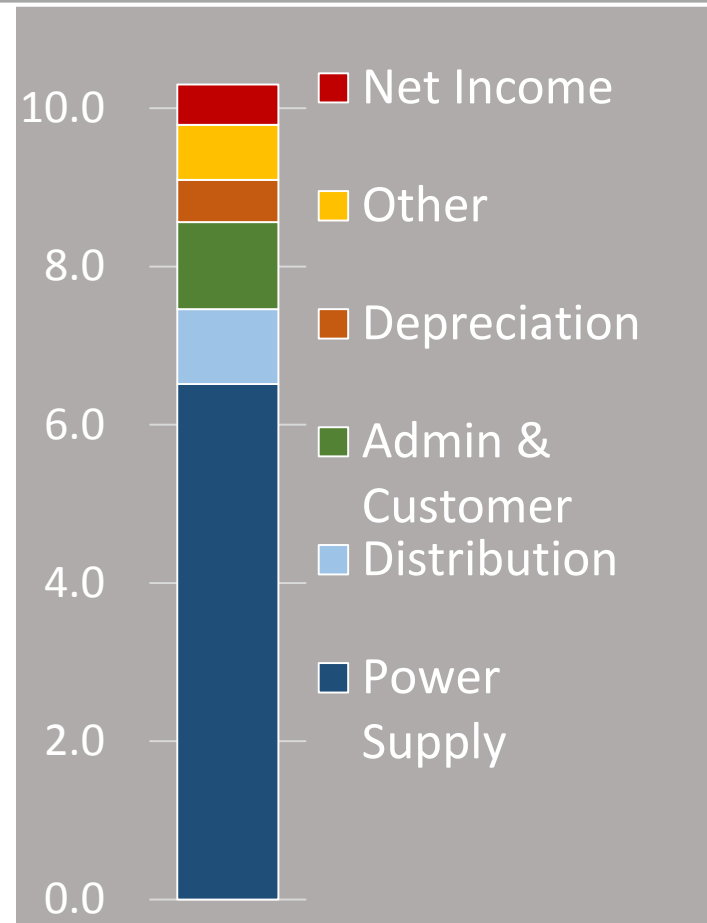


Project Background

ROW Dispute and Settlement Agreement

- Based on a dispute between the Pueblo of Acoma and the local incumbent coop over an expired ROW agreement Acoma filed, in Tribal Court, a trespass and damages case against the coop.
- After a two year period Acoma and the incumbent coop signed a settlement agreement where the Acoma would dismiss the case and if desired by Acoma, the coop would transfer all electrical facilities within the exterior boundaries of the Pueblo.
- At the end of 2016, Acoma Pueblo partnered with Avant Energy to perform an electric utility formation assessment – high level feasibility study

Acoma's Average Retail Payment
10.3 Cents per kWh



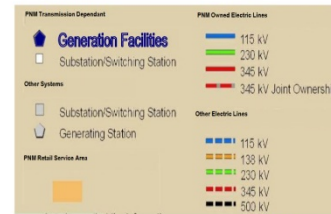
Project Background

- Next step was to develop the utility formation business plan and gain clarity on actual costs including:
 - 10 yr financial statement
 - RFP for wholesale power
 - RFP for contract O&M
- We are now negotiating the interconnection agreement which will govern how the two systems operate moving forward:

Facility Fees
Interconnection and System Separation
Service Territory
Operation and Maintenance Responsibilities
Reliability
Physical Facilities (Matrix of Responsibilities for Facilities)
Level of Service
Representations and Warranties
Covenants
Indemnification
Conditions Precedent
Closing Arrangements and Post-Closing Arrangements
Termination Clause
Choice of Law
Severability
Notices
Counterparties
Survival Terms and Conditions
Amendment Waiver
Regulatory Approvals (PRC, BIA, RUS)

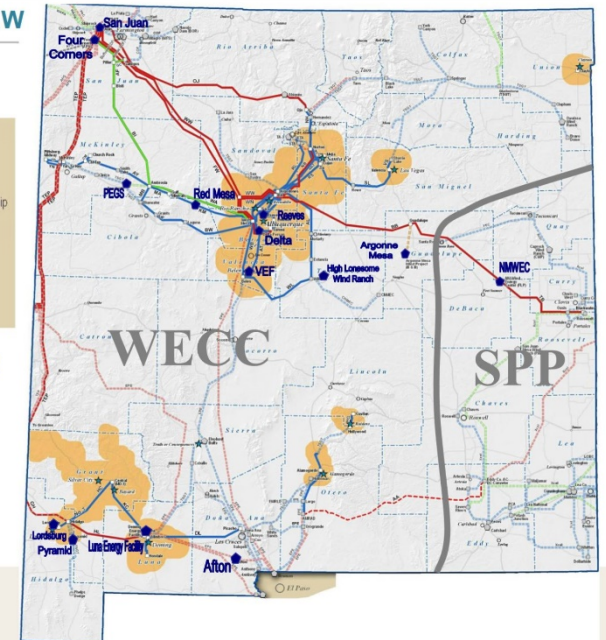
Transmission System Uses

SYSTEM MAP OVERVIEW

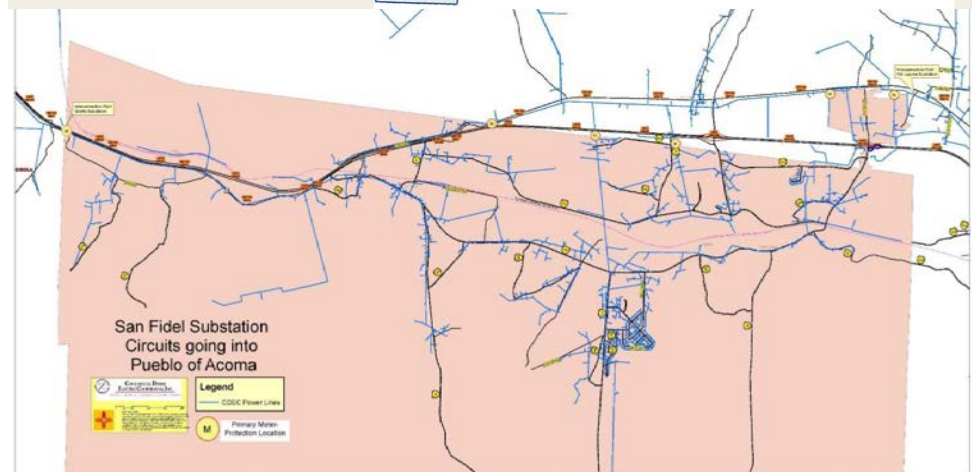


➤ Lines shown in red are the primary backbone transmission lines in NM

➤ Lower voltage lines provide a portion of the transmission capability to delivery resources and distribute power to outlying smaller load areas distant from Albuquerque and El Paso



SLIDE 25 | NOVEMBER 2013



Project Background

Current



TRI-STATE
Generation and Transmission
Association, Inc.
A Touchstone Energy® Cooperative




**CONTINENTAL DIVIDE
ELECTRIC COOPERATIVE, INC.**
A Touchstone Energy® Cooperative



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Future

Wholesale Power Market
(Power Contracts or Generation Assets)



Retail

Utility Authority



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Utility Authority

Customer



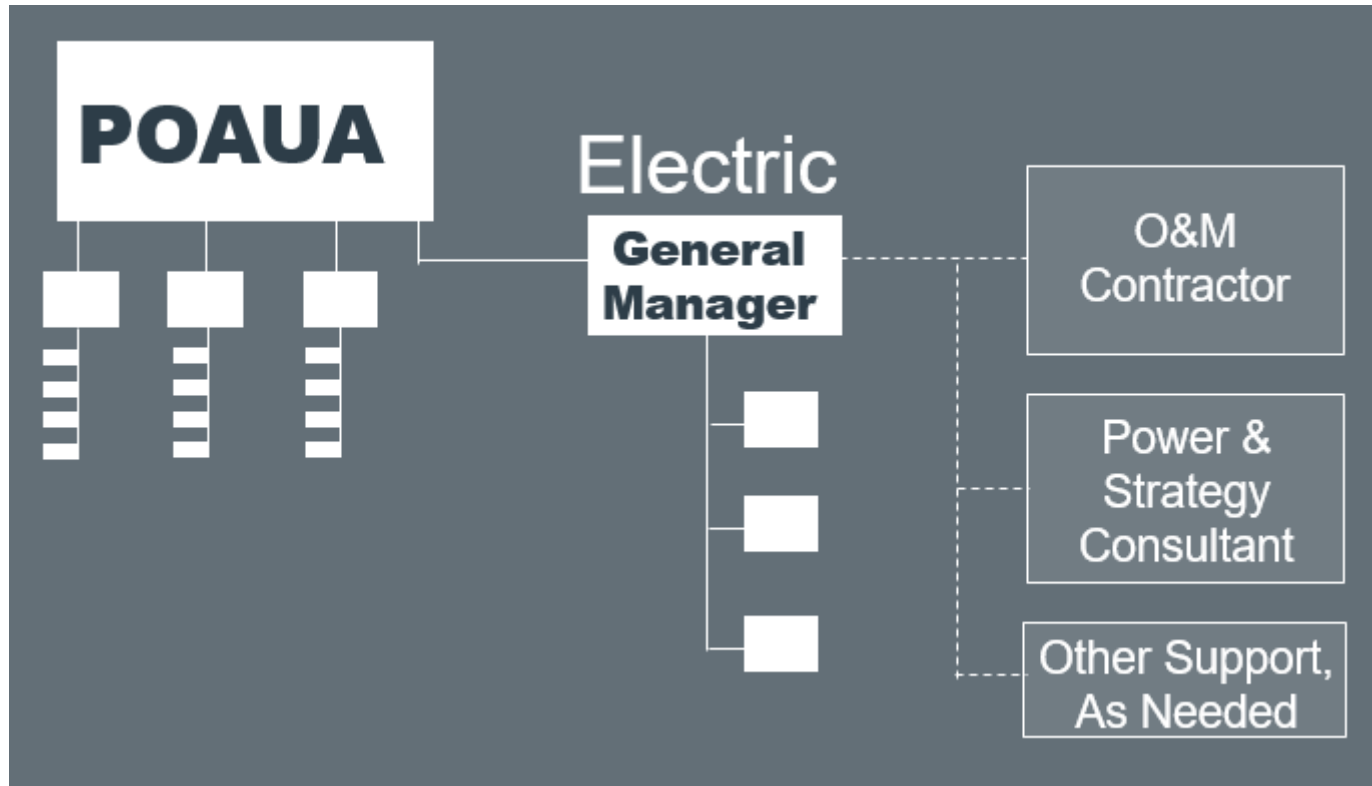
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Project Overview

Develop
Structure

Develop
People

Develop
Operations

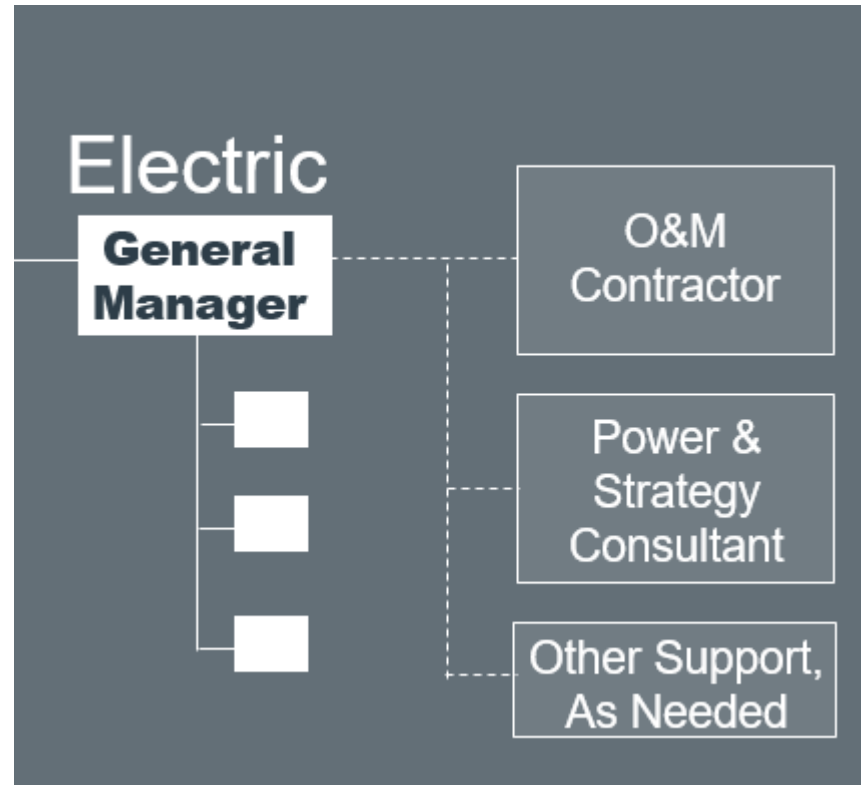


Project Overview

Develop
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Operations



- Identify Staffing Needs Based on Existing Capabilities
- Roles and Responsibilities
- Job Descriptions & SOP's
- Hire and Train Key Staff
- Capacity Development Goals

Project Overview



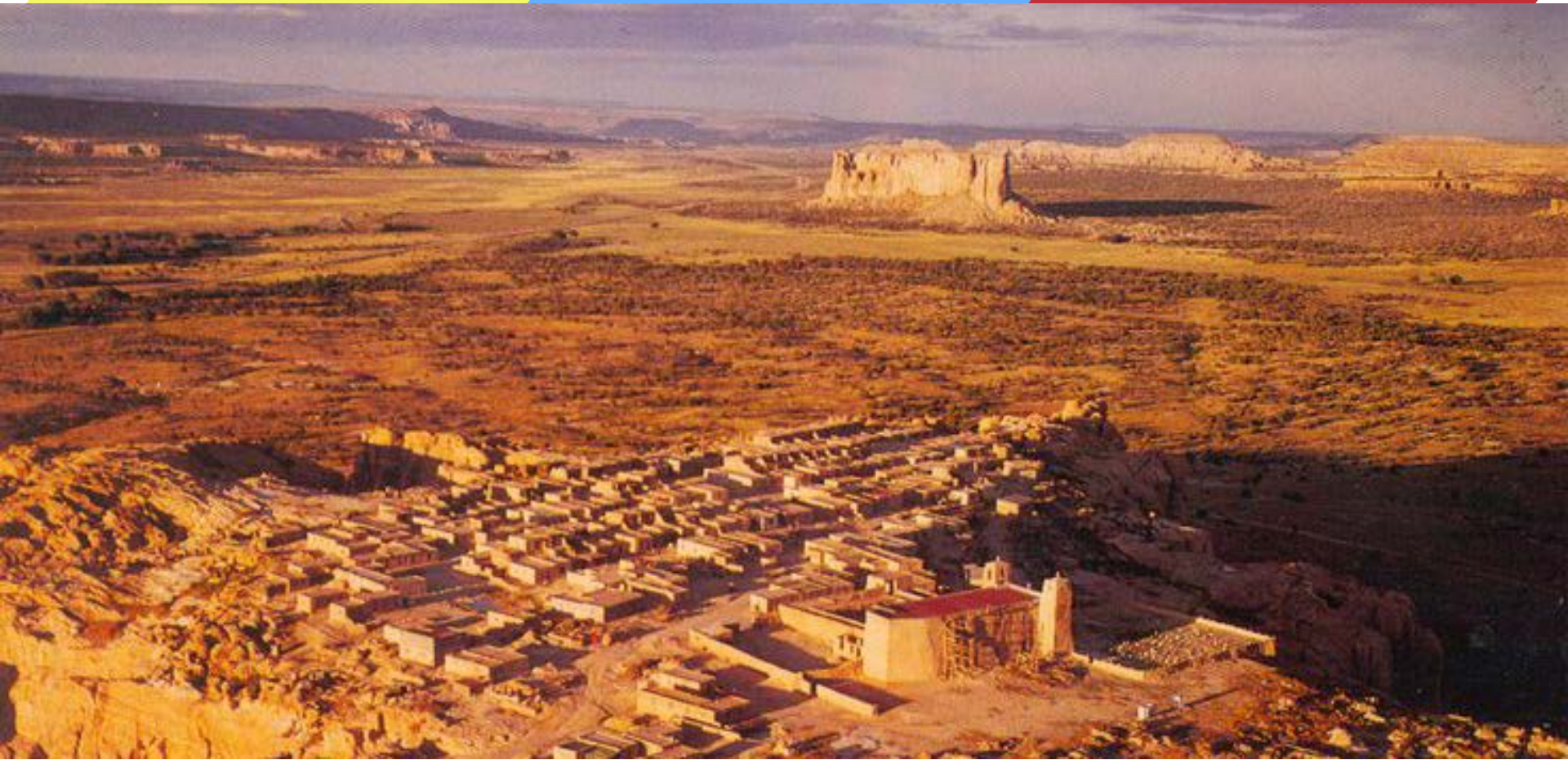
Develop
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People

Develop
Operations


- Five-year Utility Strategy
 - What activities should be prioritized?
 - Transition to internal O&M
 - Position utility to support economic development goals
- Operations and Maintenance Plan
 - Focus on reliability
 - Manage and prioritize investments in system improvements
 - Incumbent utility doesn't do any pm work or scheduled system replacement, just reactionary maintenance
 - Older system with reliability issues

Future Plans



Natural Gas Utility, Renewable Generation,
Apprenticeship Program, Community Wide Broadband Deployment

Project Stakeholders



**PUEBLO OF ACOMA TRIBAL COUNCIL,
GOVERNOR'S OFFICE AND THE
UTILITY AUTHORITY BOARD**



Pueblo of Acoma
HAAKU
Utility Authority - Water/Wastewater & Solid Waste



U.S. DEPARTMENT OF ENERGY
Office of Indian Energy


Internal
Acoma Team




AVANT ENERGY



CONTINENTAL DIVIDE ELECTRIC COOPERATIVE, INC.
A Touchstone Energy® Cooperative



Western Area Power Administration



PNM



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Special thank you to the
DOE Office of Indian Energy!

Contact Information:

Raymond J. Concho Jr. 1st Lt. Governor

1st Lt@puebloofacoma.org

Arvind Patel, Utility Authority Director

apatel@puebloofacoma.org