

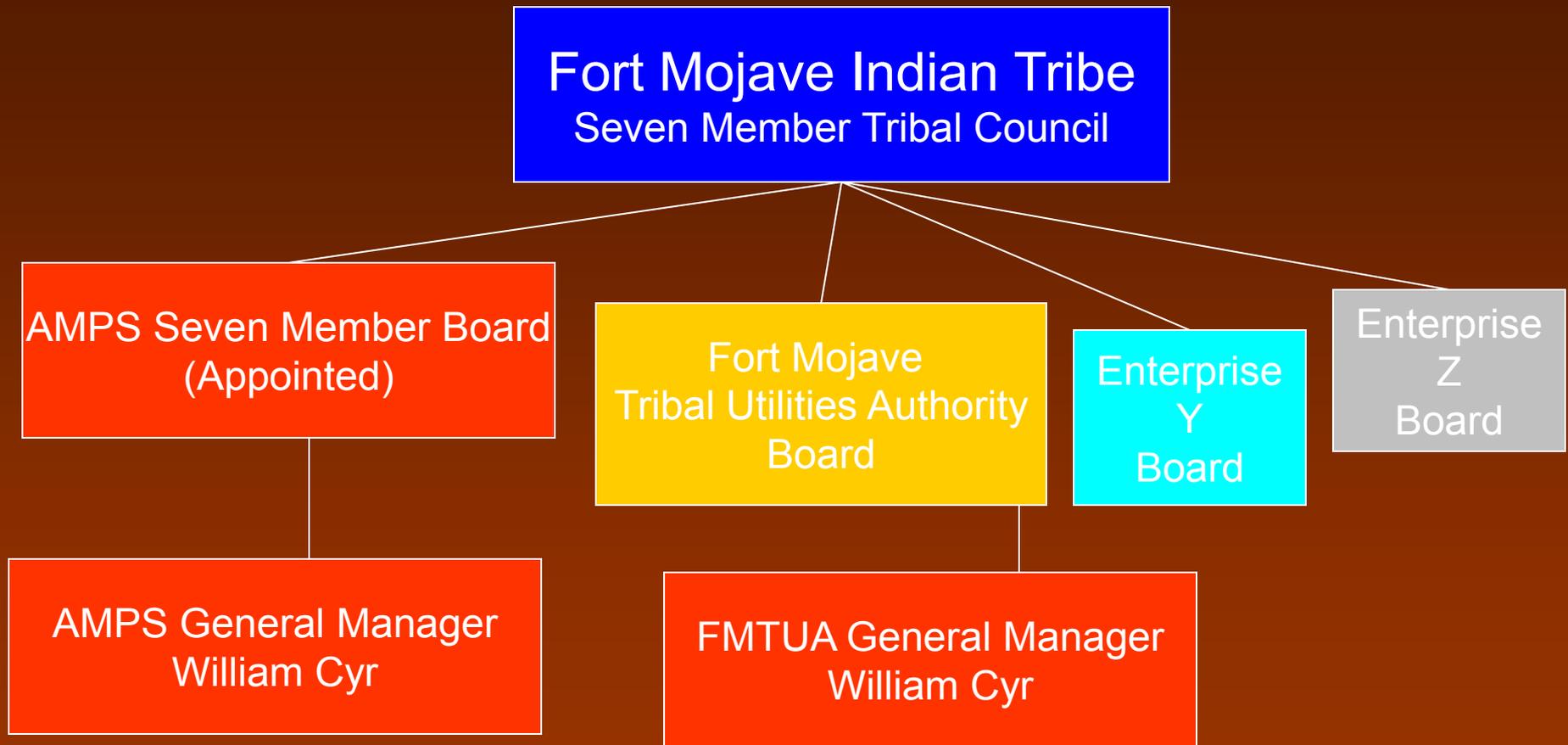
# Aha Macav Power Service

Electric Utility Enterprise Owned and Operated By  
Fort Mojave Indian Tribe

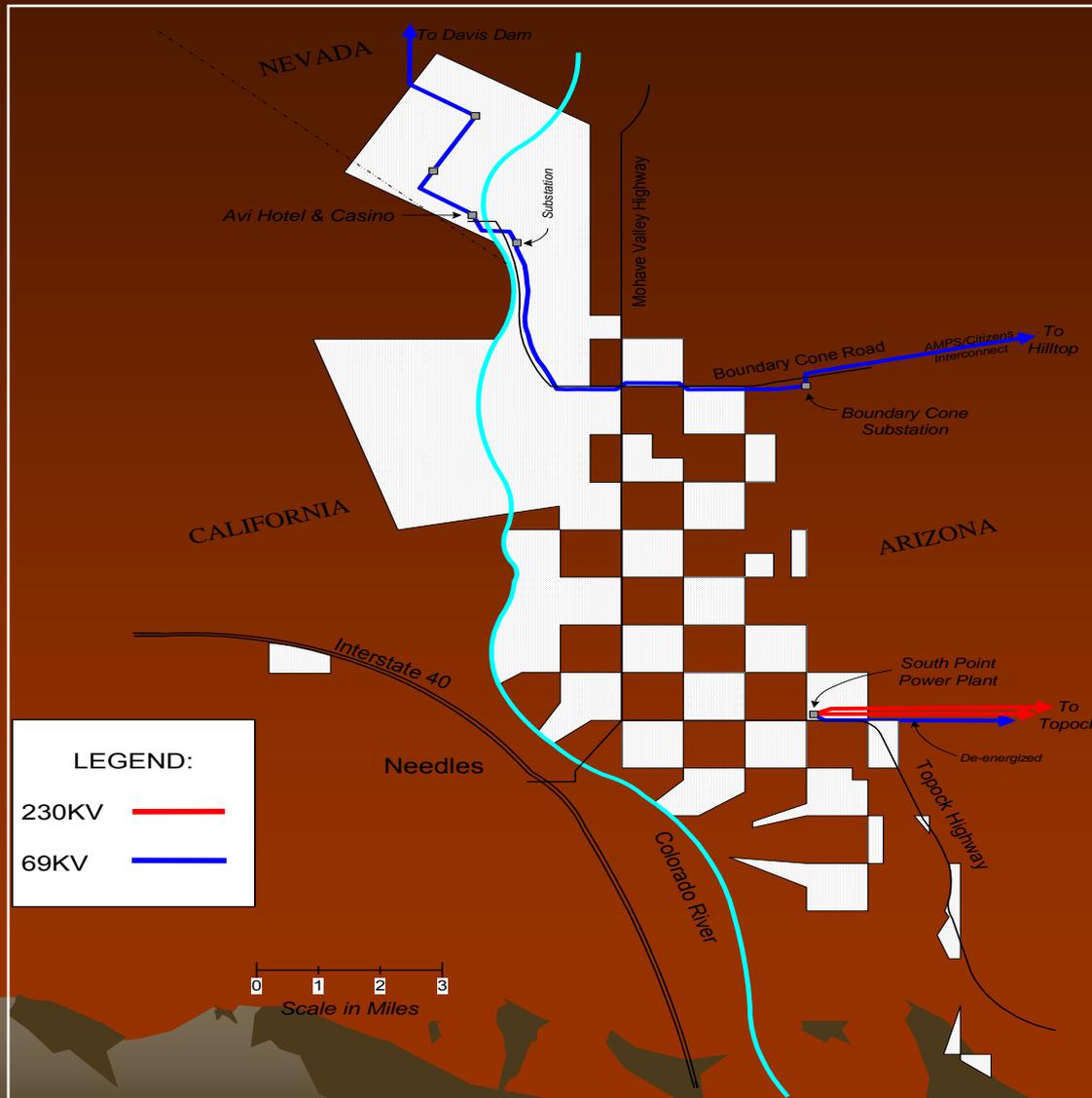


# AMPS Formed July 1991

## Structure



# The Fort Mojave Lands



# Impetus For Developing AMPS

1. Tribal Vision for Self Sufficiency --- Self Determination
2. Key Component to Attain Vision -- Nevada Casino
3. Location Proved Costly to Establish Electric Service
4. Existing Experience With Other Utilities

# Impetus For Developing AMPS

Needed Infrastructure to Develop Nevada

- Electric (AMPS)
- Gas (AMPS)
- Phone Internet (FMTI)
- Roads (FMIT Roads Dept)
- Water (FMTUA)
- Sewer (FMTUA)
- Bridge
- Fire Protection
- Police Protection

**AMPS Was Formed to Establish Electric Service in Nevada**

# Options Considered

- Self Generation (reliability cost)
  - Nevada Power --- too Costly
  - Needles Electric ----- Not in Service Territory
  - Mohave Electric Cooperative --- Both
  - Charter for AMPS Formation 1992
- 

# AMPS / FMTUA Services

- Transmission (Gas, Water, Wastewater, Electric)
- Distribution ( Water, Wastewater, Electric)
- Tax Collection (Gas, Water, Wastewater, Electric)
- Consulting ((Gas, Water, Wastewater, Electric, Renewable)
- Engineering Procurement Construction (Electric)  
Have completed 3 EPC transmission contracts to date

# AMPS Statistical Data

## *Distribution/Transmission*

- Approximately 1000 Customers
- Peak Load 12 MW
- Largest Loads
  - Casino
  - Tribal Farm-Irrigation
  - Tribal Business
  - Area Grocery Store

# AMPS Statistical Data

## *Distribution/Transmission/Customer Services*

- 1 -28 MVA Substation & 1-20 MVA Substation
  - 30 + Miles 69 KV Transmission
  - 30+ Miles 12 KV Distribution
  - 45 + Miles 24 KV Distribution
  - 1,000 Customers – Both Tribal and Non-Tribal
- 
- A dark silhouette of a mountain range is positioned at the bottom of the slide, spanning the width of the page.

# AMPS Statistical Data

*Distribution/Transmission/ Customer Service*

- Wheel Power to City of Needles
- Automatic meter reading system
- Serve only FMIR
- FMIR has Tribal and non-tribal residents

# Difficulties Encountered

- Acquiring Assets From Incumbent
  - Legal Issues -- Precedents
  - Technical Expertise / Safety
  - Building New Assets / Other Assets - Expensive
  - Power Supply
  - Financing – How Do We Pay for All This?
- 

# Financing

- Initially from Tribal General Fund
  - BIA Loan
  - Casino Loan
  - Developer Fees for new Infrastructure
  - Today costs paid through operating revenue
- 

# Legal Issues

- Internal and External Legal Expertise
  - Issues related to asset acquisition
  - Defined service territory (on/off reservation)
  - Transmission Access
  - ROW – Environmental
- 

# Assets

## AMPS Experience

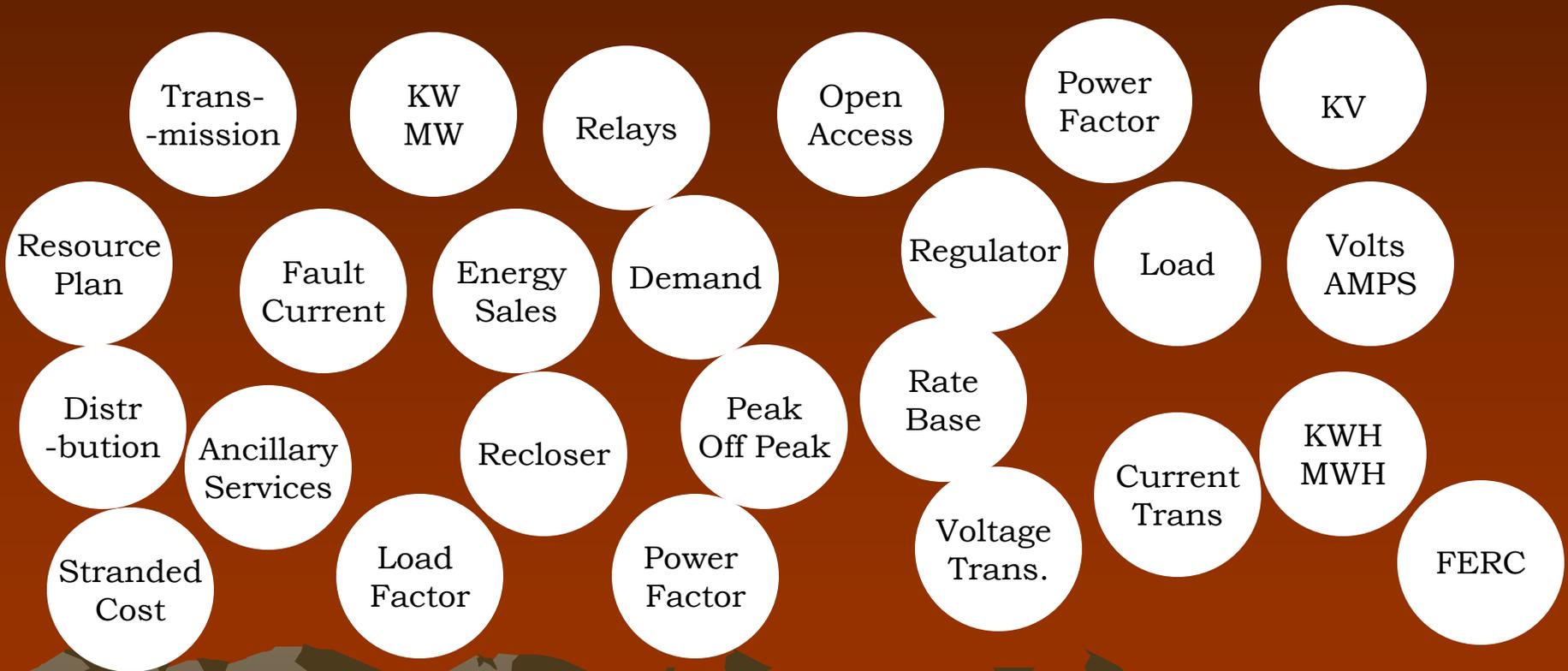
- Incumbent was not very helpful.
- Final resolution by court order.
- Exclusive rights to all customers on Tribal Lands

# Education

Electric Industry Has Been Around for many many years

Based on Complicated Concepts – Mostly Based on Technical Issues

Success is Dependant Upon Understanding These Terms



# Power Supply Related

- Hydro Allocations
  - Purchased Power Contract
  - Market Purchases
  - Resource Scheduling Service
- 

# Other Required Assets

- Warehouse
  - Customer Service
  - Information Technology – Billing/Accounting
  - Rolling Stock
  - General Stock
- 

# Customer Service

- Billing System
  - 24 Hour – outage/problem response
  - Disconnect Policy
  - Store Front
  - Professional Courteous Service
- 

# Safety Is Number One Priority

- OSHA Requirements
  - Commercial Drivers License (CDL)
  - Monthly Safety Meeting
  - Daily Tail Boarding
  - Daily Equipment Checks
- 

# Safety Is Number One Priority

- Hard Hats
- Safety Glasses
- Fall Protection
- Boom Electrical Testing
- Rubber Gloves

• **ATTITUDE**



# Personnel

- Total employee count (10)

- 4 Linemen

- 1 Accountant

- 1 Cust. Service

- 3 Technical

- 1 Gen. Manger

