

# El Paso Electric

Bridging the Communication Gap  
Between Line Worker and  
Environmental Regulations



El Paso Electric

# El Paso Electric Company

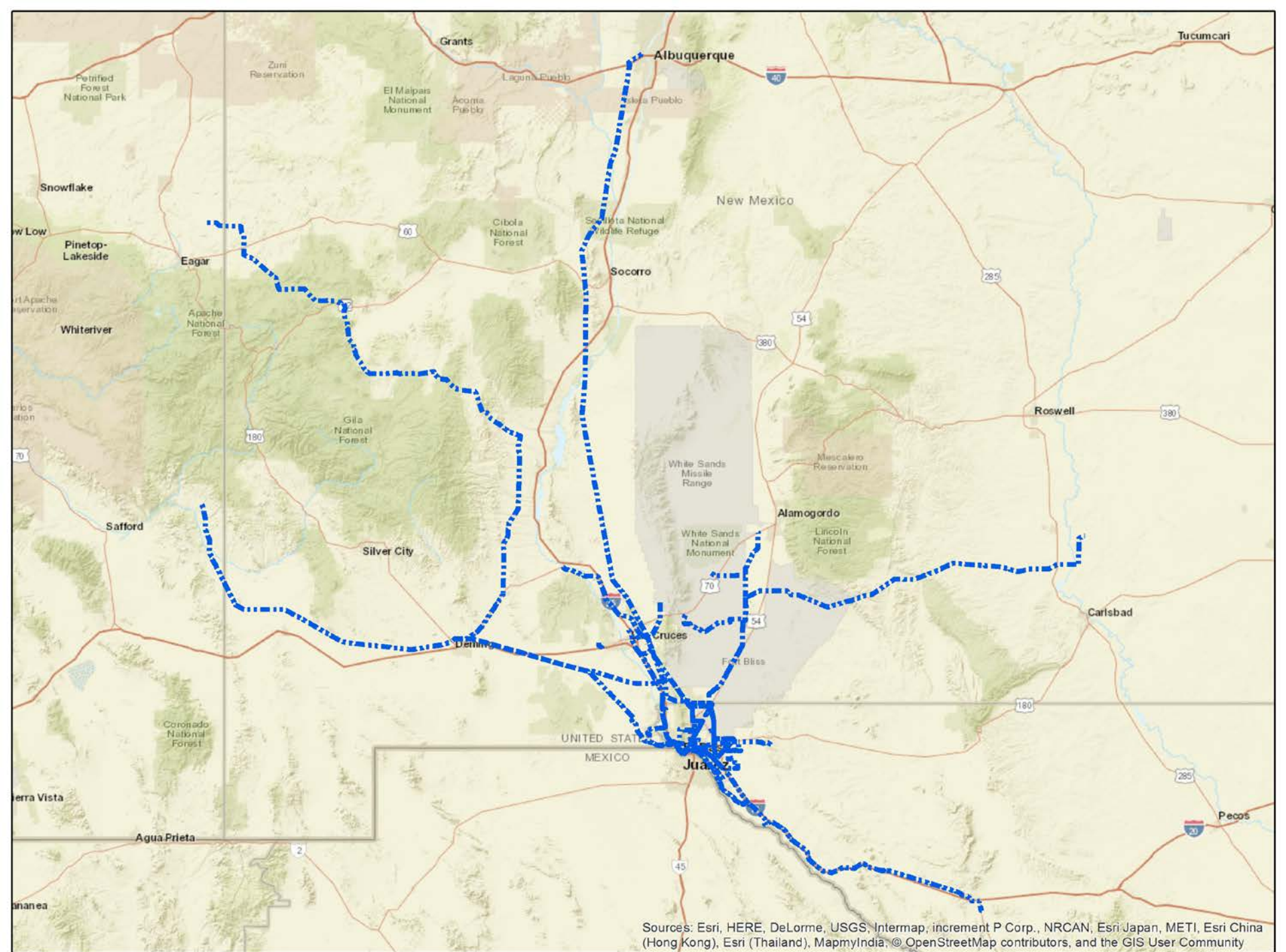
## Regional Electrical Utility Provider

Rio Grande Valley of southern NM & Far West TX

Serving over 417,000 Customers

Over 100 Permits & ROWs on Federal & NM State Land for Transmission and Distribution Lines

Aging Infrastructure, Expiring Permits, and Increasing Environmental Regulations



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), MapmyIndia, © OpenStreetMap contributors, and the GIS User Community



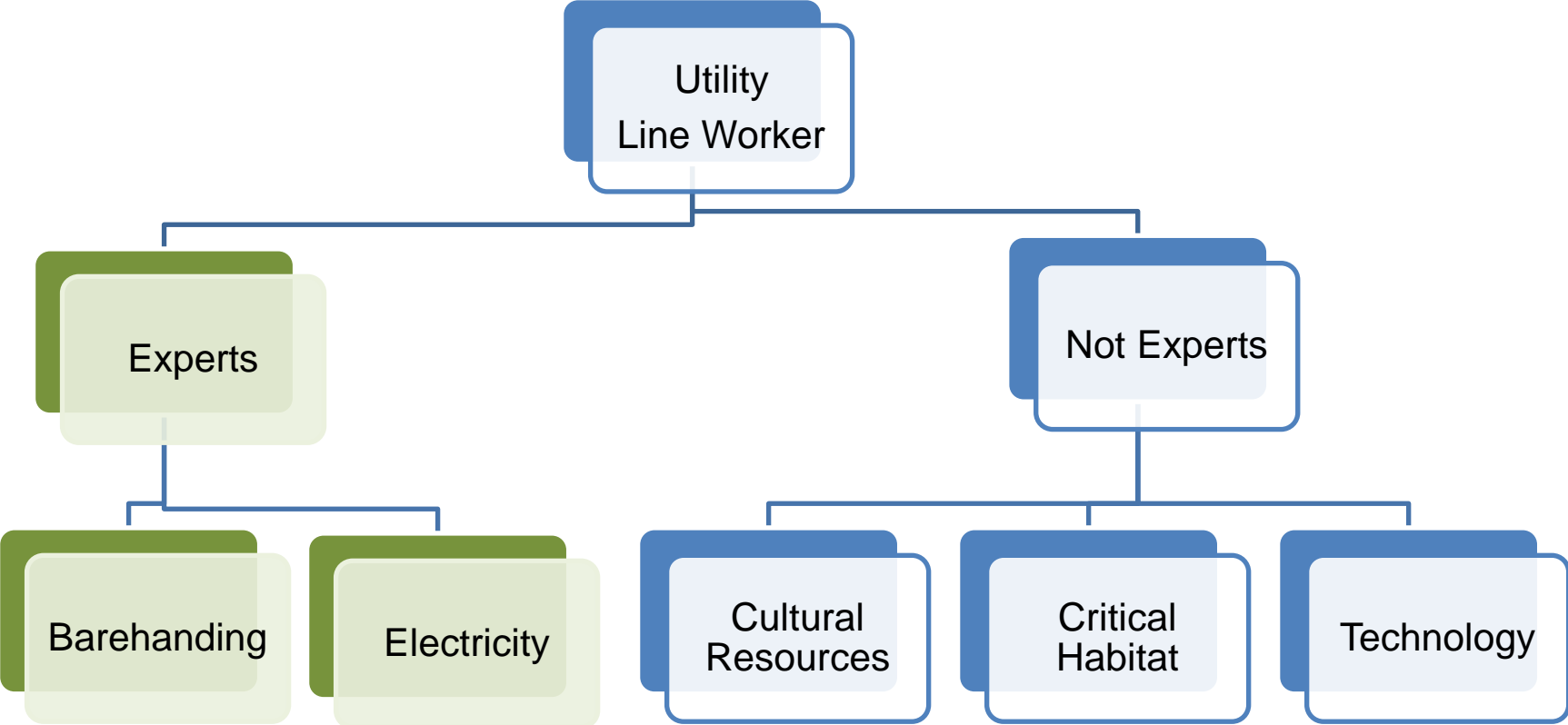
# Environmental Regulations

## Change in Operational Tactics to Mitigate Impacts

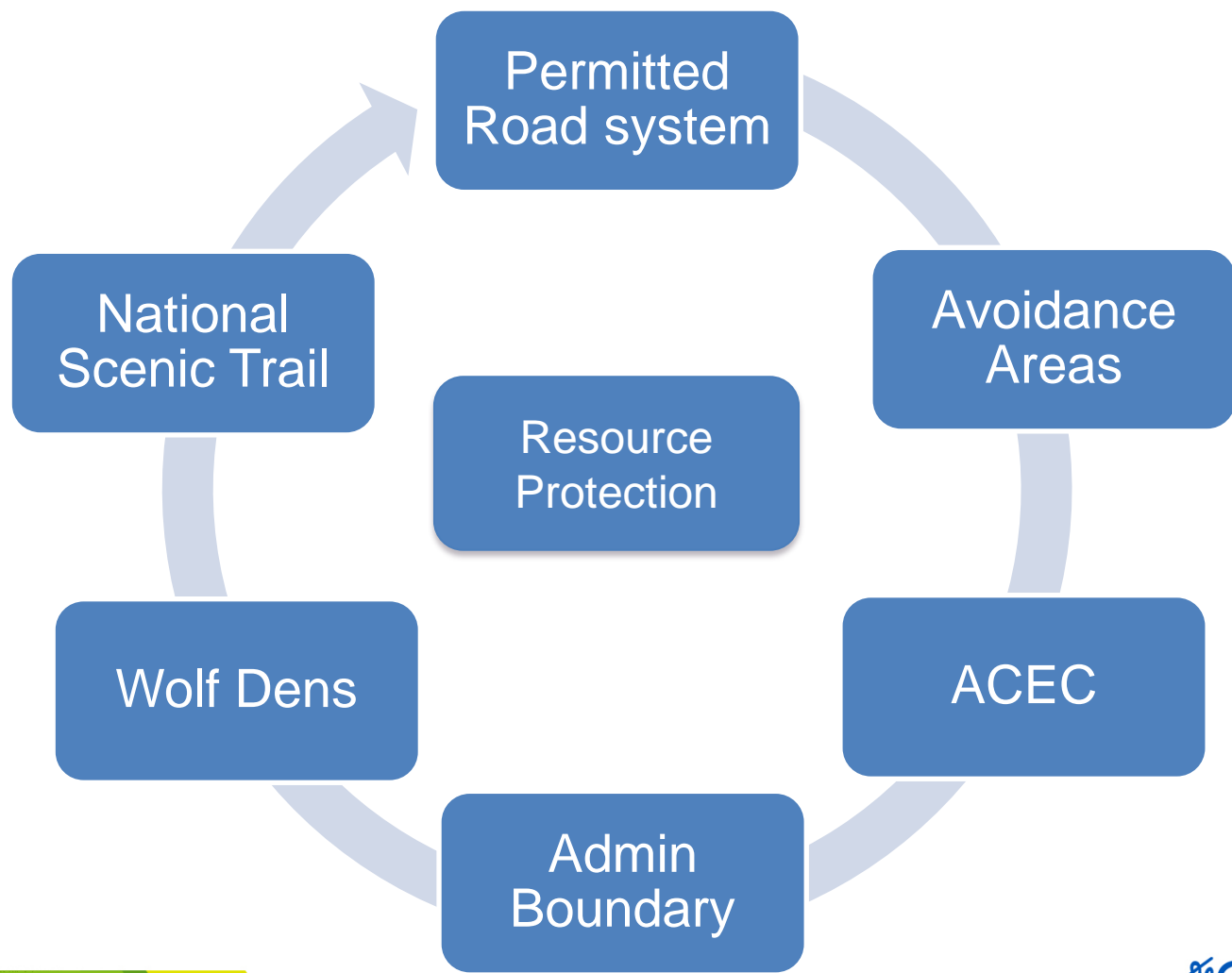
- **Transmission lines built from mid-1950's to 1989**
  - Substantial increase in Env. Laws and Regulations
    - New Interpretation and Implementation of resource protection
  - Federal & State ROW permits are expiring
    - New review and analysis of impacts
  - Existing infrastructure on top of sensitive resources
    - Delayed maintenance activities; lack of Env. analysis
    - Implementation of mitigation measures
    - Avoid sensitive areas without signage, marking, or barricades
    - Multiple USFS, BLM, DoD, USBR, and SLO jurisdictions

# Electrical Line Worker

Keeping The Lights On Energized Style



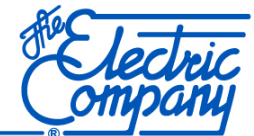
# How do you simplify & distribute Information?



# ArcGIS OnLine



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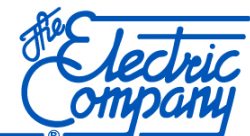
# ESRI ArcGIS, Collector, & Survey123

## Bridging the Communication Gap

- Integrate technology
- Utilize existing software
- Simplify Env. commitments
- Distribute sensitive areas
- Determine physical location
- User Friendly Platform
- Harness “The Science Of Where”



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# Live Demo of Mobile Collector app

# Next Steps

## Environmental GIS Consolidation & Distribution

- **Consolidate Env. Surveys & Reports**
  - Share & distribute to appropriate users
- **Release Env. GIS apps & access company wide**
  - Make corrections & adjust to fit users needs
- **Survey 123 Smart Forms**
  - Avian Incident Field Reporting (Beta Testing)
  - Hazardous waste spill reports
  - Transmission Line Inspections
- **Integrate Env. platform into EPE's GIS portal**



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