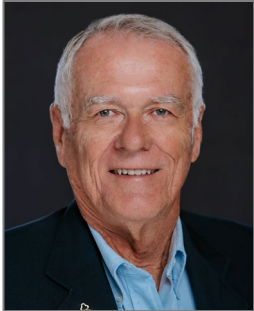




# **Presentation to County Council**

Robert Gibson, Chair  
July 15, 2025

# Board Members



<u>Member</u>	<u>Position</u>	<u>Term Ends</u>
Robert Gibson	Chair	2028
Eric Stromberg	Vice Chair	2030
Jennifer Hollingsworth	Member	2029
Matt Heavner	Member	2026
Charlie Nakhleh	Member	2027

# Senior Management



Philo S. Shelton, III  
—  
Utilities Manager

## Deputy Utility Managers



James  
Alarid  
—  
Engineering  
Division



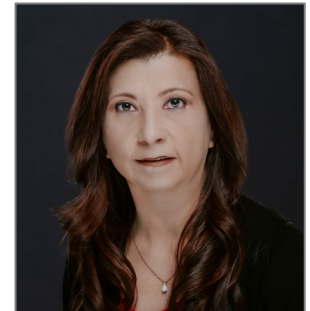
Ben  
Olbrich  
—  
Electric  
Production



Stephen  
Marez  
—  
Electric  
Distribution



Clay  
Moseley  
—  
Gas, Water  
and Sewer  
Services



Joann  
Gentry  
—  
Finance and  
Administration

# DPU is a Large Enterprise

- Four Utilities: Wastewater, Water, Natural Gas, Electricity (including DOE/LANL)
- Employees: 108 FTEs
  - Stable, normal turnover
  - Numerous retirements
- Budget: \$109M for FY26
- Assets: \$297M



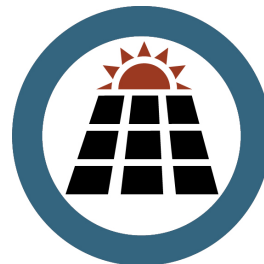
# Utilities Main Day-to-Day Jobs



- Keep lights on and fluids (gas, water, wastewater) flowing when and where they should
- Do it all safely for customers and employees
- Both went well in FY25

# BPU/DPU Major Goals *(summarized)*

- Maintain high service level at reasonable cost
- Transition to carbon free electric supply (by 2040)
- Phase out Natural Gas (by 2070)
  - DPU has no authority to require electrification or building upgrades
  - DPU can educate customers in use reduction / electrification
  - DPU must have electric supply & distribution system capacity





# Active Major Projects in Progress



- Encourage energy efficiency and electrification (ongoing)
- Los Alamos Switch Station (LASS)
- Jemez Mountain Fire Protection (Water & Electricity to Ski Hill)
- Denver Steels Water/Sewer Replacement
- NM-4 Water Main Replacement (Completed)
- Upgrade Billing System for TOU and Demand Rates (Target July 1, 2026)
- Direct Bury Cable Replacement (3rd year of ~10-year project)

# Current Major Issues/ Projects Being Worked

- ECA renewal
- Foxtail Flats – FONSI, business plan
- Cove Fort (4 MW base load geothermal thru UAMPS)
- Elk Ridge gas distribution system





# Current Studies



- Electrification – Burns & McDonnell / 1898 Co. – Due July 25
- EV Infrastructure (and Fleet)
  - CMO/Sustainability Coord.
  - Stantec – Due Dec. 25
- Current Natural Gas Usage Patterns ( UNM / NMSU – Due June 26)

# Future Electric Challenges

- Increased demand from electrification
  - Buildings & Appliances
  - EVs
- New non-CH electric resources
  - More PV?
  - Wind?
  - Storage – Batteries, H<sub>2</sub> (KCEC), CO<sub>2</sub> (“Energy Dome”), ???
  - Nuclear?
  - Geothermal (“Advanced”)?
- Electric Distribution System 2.0
- Rates & rate structures



# Electric Distribution Study: Preliminary/Partial Results

- Existing system needs renewal

- 2055 peak loads (MW)

<u>Scenario</u>	<u>Load</u>
-----------------	-------------

1 (high)	70
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70
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2 (med.)	52
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52
----

3 (low)	37
---------	----

37
----

} New Eastgate substation req'd

Present	22
---------	----

22
----

- “Hosting Capacity” sufficient for more “rooftop” PV

# Future Water Supply Challenges – New Well?

- PM-3 shut down long-term by Cr plume
- LANL (computer) cooling demand projected to rise
- New well in White Rock (Overlook Park?)
- Would tap San Juan/Chama surface right (1200 ac. ft./yr.)



# Summary

- Department running safely and well
- Keeping lights on and all fluids flowing when and where they should
- Important studies in progress: Electric Distribution, EVs, Natural Gas Usage
- Approaching major decision points: ECA, Foxtail Flats, Replacement Well
- Always seeking new carbon-free electric resources



Attachment A





# Recent Recognition of the DPU



- October 2024: Received a Public Power Customer Satisfaction Award from the American Public Power Association.
- October 2024: Received an Excellence in Communications Award from the American Public Power Association.
- December 2024: Granted accreditation by the American Public Works Association (with a 100% rating and full compliance with all applicable practices.) Only DPU and LANL are accredited by APWA in New Mexico.
- May 2025: Selected for an Associated General Contractors “AGC Best Buildings Award” for the Bayo Booster Water Tank project (with Spear D.)
- June 2025: Los Alamos County, inclusive of DPU’s utility conservation focus area, received the 2025 Chamber award for Environmental Sustainability.

# Questions?

## **Board of Public Utilities**

[bpu@lacnm.us](mailto:bpu@lacnm.us)

## **Philo Shelton, Utilities Manager**

[philo.Shelton@lacnm.us](mailto:philo.Shelton@lacnm.us)

505-662-8148

## **DPU Quarterly Report**

<https://ladpu.com/FY25Q3>



Electric, Gas, Water, and Wastewater Services