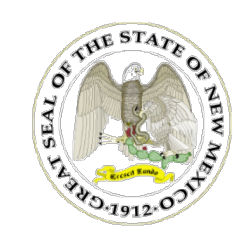


# Overview of the Strategic Water Supply

Rebecca Roose  
Office of Governor Michelle Lujan Grisham

Secretary James Kenney  
New Mexico Environment Department

Water and Natural Resources Committee – August 26, 2024  
Socorro, NM



# 50-Year Water Action Plan: New Water Supply (One of Three Priorities in the Plan)

1

*ACTION B1:*  
ESTABLISH THE  
STATE STRATEGIC  
WATER SUPPLY

2

*ACTION B2:* WATER  
REUSE RULES  
AND POLICY

3

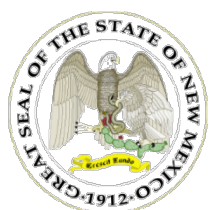
*ACTION B3:*  
AQUIFER  
MAPPING AND  
MONITORING  
PROGRAM

## Our Targets (aka, Return on Investment)

B1: By 2028, 100,000 acre-feet of new water for clean energy production, storage and manufacturing, etc.; By 2035, 50,000 acre feet of treated brackish water available for purposes above plus aquifer recharge and surface water augmentation.

B2: By 2026, regulatory frameworks for reuse are in place.

B3: By 2032, all major aquifers are characterized; By 2037, all major and minor aquifers are characterized.



Office of the Governor

**MICHELLE LUJAN GRISHAM**

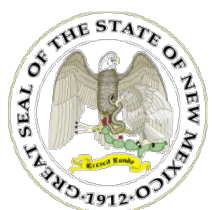
# Overview of Strategic Water Supply Program

- **Water Sources**

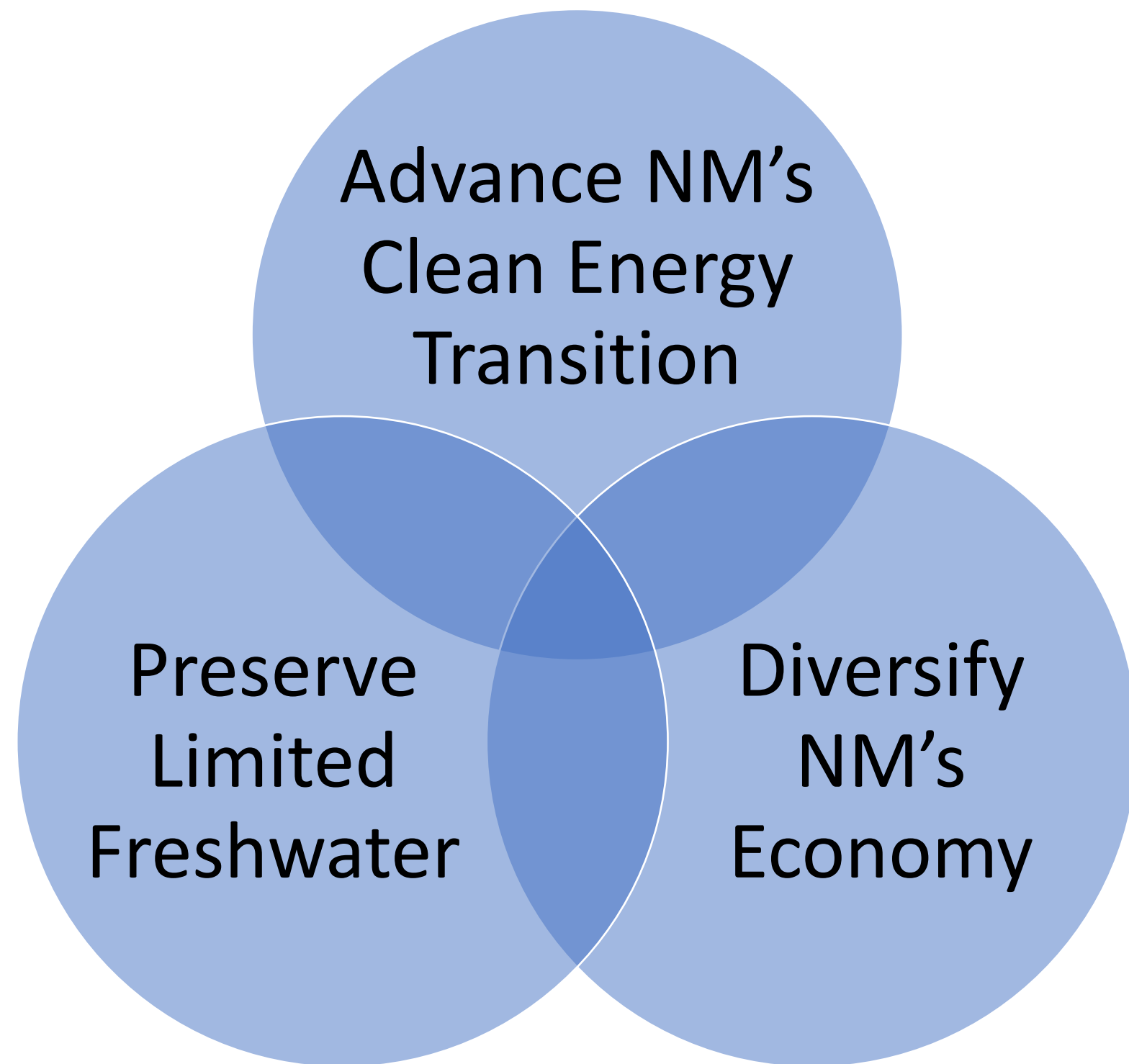
- Reservoirs and groundwater supplies are not recharging at a sufficient rate to ensure future water security
- Estimated over two-billion-acre feet of brackish water under New Mexico
- Nearly two billion barrels of produced water generated annually beyond what can potentially be reused in the oilfield

- **Strategic Water Supply Program Elements**

- Use Advanced Market or Purchase Commitments (AMCs or APCs) to ensure treated brackish/produced water is available to targeted end users at a competitive price
  - AMCs and APCs provide guarantees and reduce risk for water treatment market entrants
- New Mexico engages water treatment companies to advance water availability for:
  - Clean energy production and storage projects;
  - Advanced manufacturing, such as solar panel components, wind turbines and components for zero emission vehicles and charging infrastructure; and
  - Supporting laws, rules and initiatives like the Energy Transition Act, Advanced Energy Tax Credit, Advanced Clean Cars and Clean Transportation Fuels, and BIL/IRA investments.

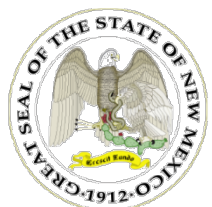


# Policy Drivers for the Strategic Water Supply



The Strategic Water Supply aligns three key priorities, and it positions the State to steer new water treatment projects in conjunction with new economic development in communities across the state.

“These nonrenewable additional sources of water will greatly bolster water security by addressing near and long-term needs without increasing demand on the State’s diminishing freshwater resources.” 50YWAP



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# Developing the Strategic Water Supply Program



Ongoing research and scientific studies into brackish and produced water treatment and use; Evaluation of 50 responses to NMED SWS Request for Information (closed 3/31/24)



Feasibility Study underway to analyze technical and economic viability and inform legislation and funding request; Public peer review process anticipated in September



Develop legislation and associated funding request for 2025 session



Continued discussions with stakeholders, legislators and other partners, e.g., interim committees and *Strategic Water Supply: State of the Science Symposium* at NMSU on June 27

Review RFI responses and other SWS updates at <https://www.env.nm.gov/strategic-water-supply/> or scan below.

