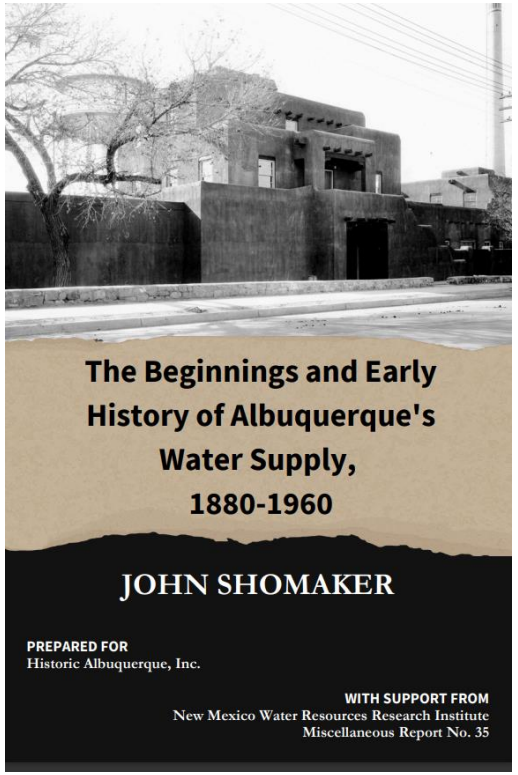
Water Infrastructure Statistics

Agenda

- Water System Background
- Water Supplies
- Water Pumping
- Water Treatment Facilities
- Water Storage / Reservoirs
- Water Distribution

Water System Background

- April 2025 publication by John Shomaker outlines the early days of the Albuquerque Water System.
  - July 20, 1918 City purchases private water company ($400K).
  - New Well Field Growth 1950-1960 (wells expansion boom years): Atrisco (3), Duranes (7), Burton (1), Love (5), Griegos (5), Leyendecker (4), Thomas (4), Vol Andia (6)
  - 1953-1954 marks the start of the current water system configuration with Trunks and Pressure Zones.



Water Supplies

- Two sources of potable water
  - Surface Water
    - San Juan Chama Water Treatment Plant
      - 84 MGD potable water production capacity.
      - 2024 was its 15th year in service.
      - 238+ billion gallons of surface water produced since inception!
  - Groundwater
    - 59 groundwater wells
      - 177 MGD maximum potable water production capacity. Actual availability varies.
      - Installation dating back to the 1950's

Water Pumping

- Conveying the water from supply facilities to customers within our 177 square mile service area
  - Pump Stations
    - 39 potable water pump stations containing 129 booster pumps
    - Horsepower ranges from 25 hp to 600 hp
    - 775 MGD capacity

Water Treatment Facilities

- College Arsenic Treatment
  - 5.2 MGD high arsenic wells treatment capacity (10 MGD potable production with blending)

- Corrales Arsenic Treatment
  - 7.4 MGD potable water treatment capacity located at 3 sites

- Volcano Cliffs Arsenic Treatment (in construction)
  - 17 MGD potable water production capacity
  - The project will bring 5 high arsenic wells back online.

WATER UTILITY AUTHORITY
ALBUQUERQUE BERNALILLO COUNTY

Water Storage

- Reservoirs
  - 62 potable water reservoirs
  - 247 MG capacity
  - 45 above ground steel reservoirs
  - 17 concrete reservoirs (above ground & buried)
  - 54 reservoirs built from 1923 to 2004
  - 8 reservoirs built from 2005-2023

Water Distribution

- 3,049 miles of transmission and distribution mains ranging from 4” to 48”
  - Predominately PVC and cast-iron water mains
- 37 miles of San Juan Chama pipeline ranging from 30” to 72”
- 18,684 fire hydrants
- 47,386 isolation valves
- 160 pressure reducing valve stations
- 218,364 water accounts / meters / service connections