



# New Mexico Environment Department

**Water & Natural Resource Committee – Las Vegas, NM**

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# City of Las Vegas

- ❑ Public Water System serving approximately 14,530 customers.
- ❑ Primary Drinking Water Source – Surface Water
- ❑ Well field with limited capacity.
- ❑ Storage of unfinished water in two reservoirs and Storie Lake.



# Operational Challenges

- ❑ Limited source water options.
- ❑ Changing source water conditions
- ❑ Needed repairs and upgrades to existing treatment system.
- ❑ Increasing costs of operation and maintenance of existing system.



# Current Projects and issues

- ❑ Preliminary Engineering Report underway to repair/ upgrade/ replace water treatment plant.
- ❑ City is scheduled to undergo a Comprehensive Performance Evaluation in July 2023.
- ❑ Emergency pre-treatment system
- ❑ City is working with NMED on development of water reuse regulations to incorporate indirect potable reuse options.
- ❑ City has done pre-application for a lead service line inventory project – pending additional documentation.



# Options

- Expand storage capacity for unfinished water.
  - ▣ Additional surface reservoirs
  - ▣ Tank storage
  - ▣ Additional storage in Storie Lake
- Explore rehabilitation or improvement of existing well field to provide additional source water.
- Explore water reuse options to augment fresh water supply including:
  - ▣ Expanded reclaimed wastewater use.
  - ▣ Indirect Potable Reuse.
  - ▣ Expanded industrial graywater uses.



# Conclusion

- ❑ Water system resiliency includes developing alternative water sources.
- ❑ Ensuring continuous compliant operations of equipment.
- ❑ Development of conservation and reuse programs to augment fresh water supplies.
- ❑ Re-evaluation of designs and funding to ensure that the community can afford to operate and maintain their system long-term.