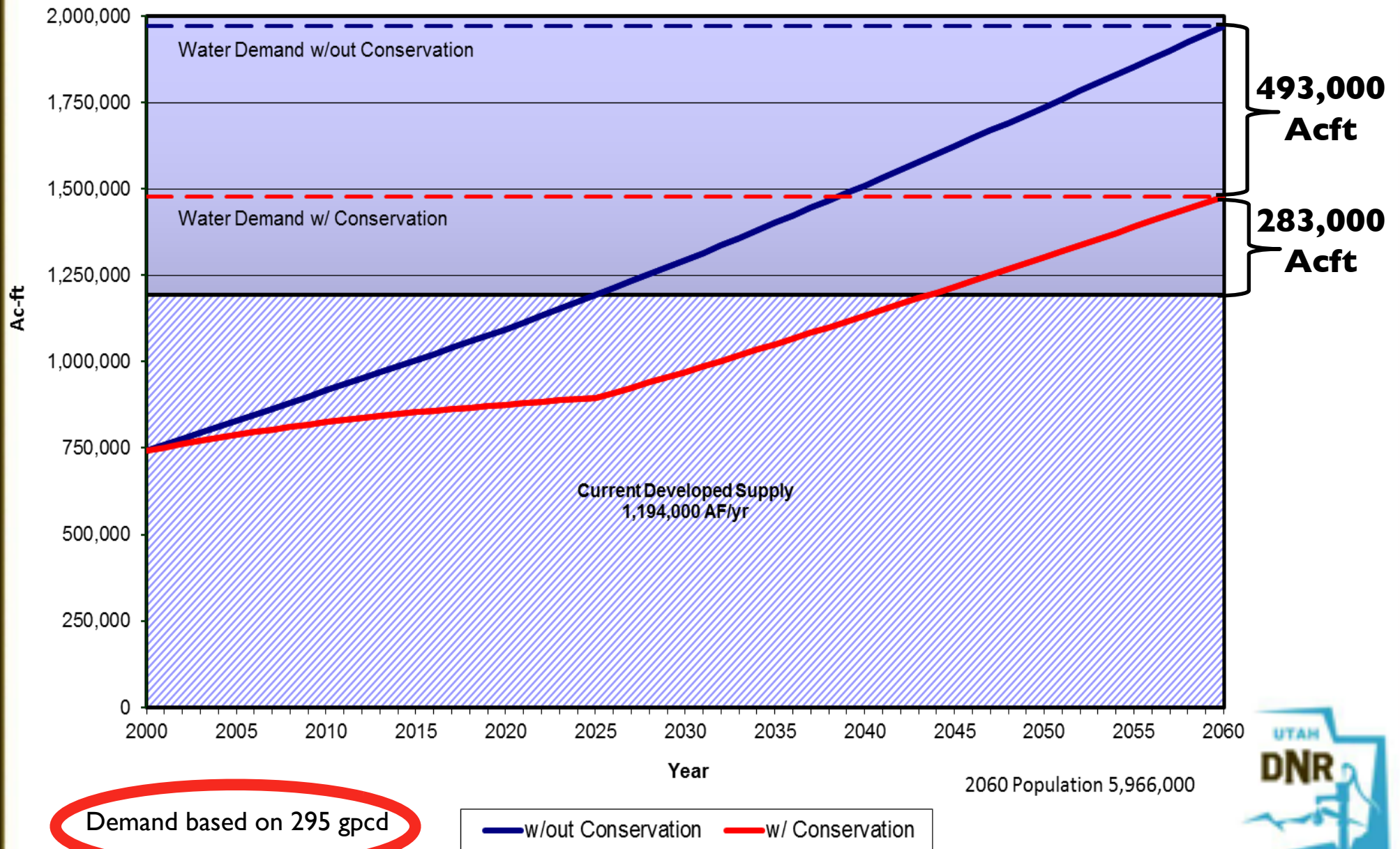




UTAH RIVERS COUNCIL

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Utah's Projected Water Demand & Potential Supply



2015 Legislative Audit of Utah's Water Needs

UTAH LEGISLATURE

Number 2015-01

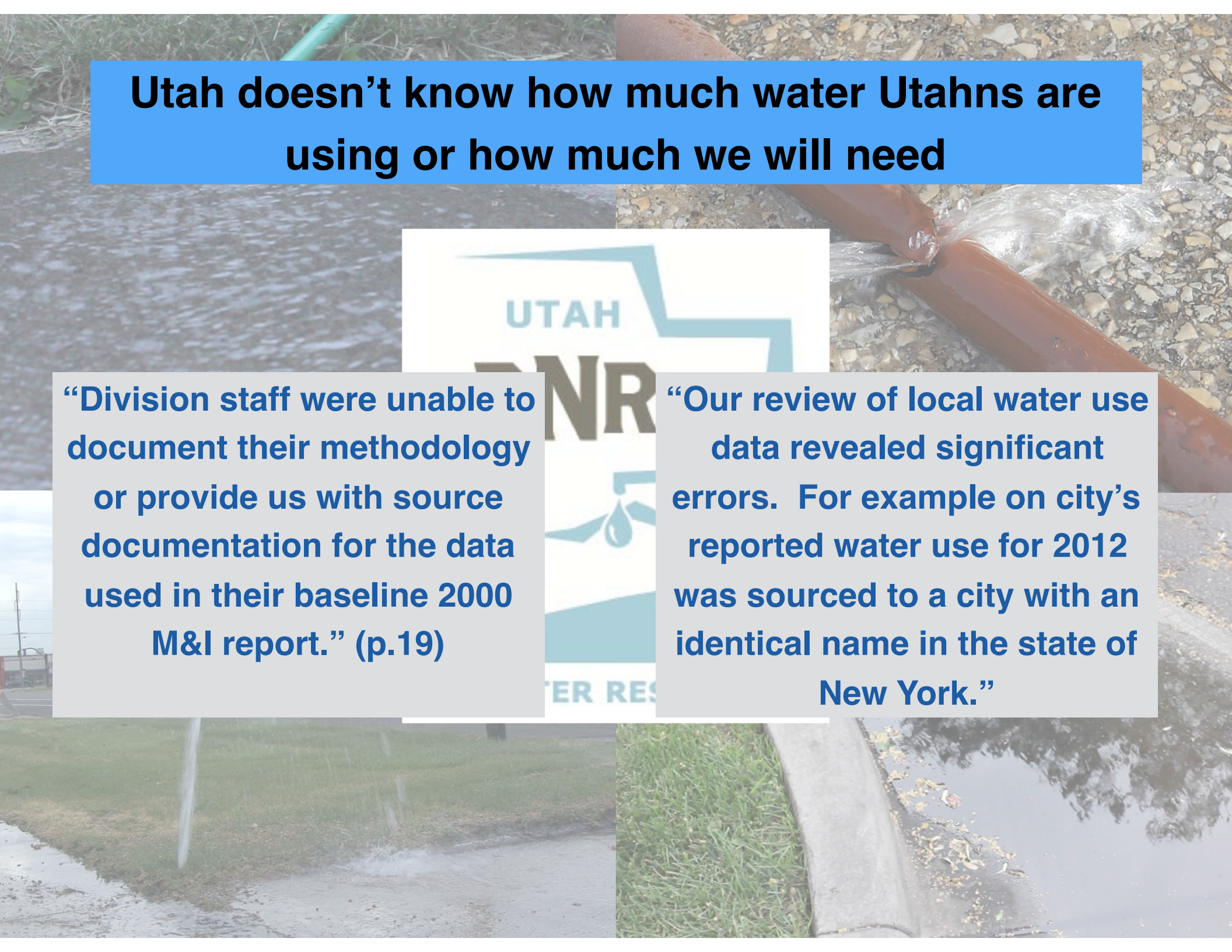


A Performance Audit of Projections of Utah's Water Needs

May 2015

Office of the
LEGISLATIVE AUDITOR GENERAL
State of Utah

**Is Bear River water
needed in SL
County?**



Utah doesn't know how much water Utahns are using or how much we will need

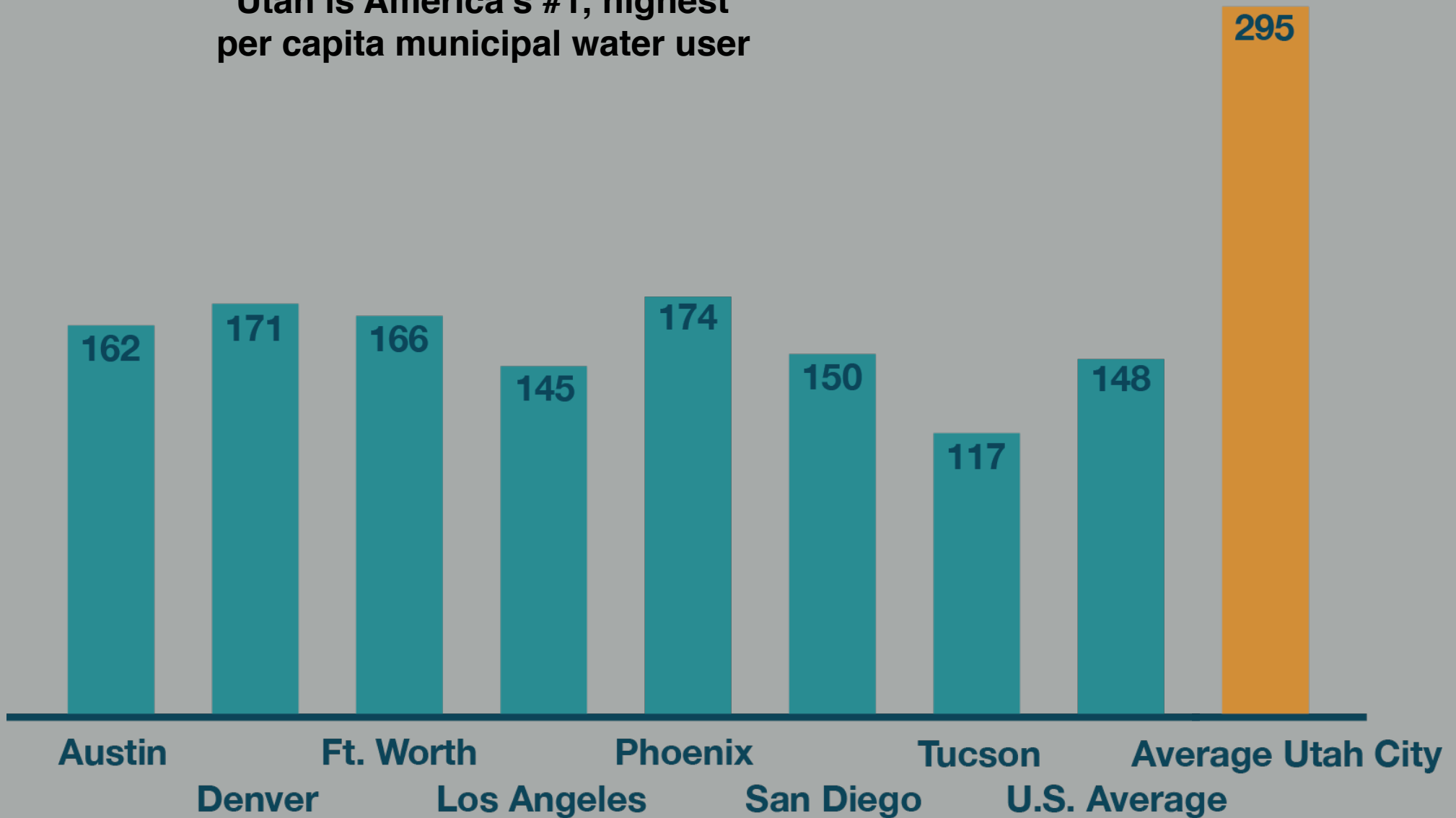
“Division staff were unable to document their methodology or provide us with source documentation for the data used in their baseline 2000 M&I report.” (p.19)

“Our review of local water use data revealed significant errors. For example on city’s reported water use for 2012 was sourced to a city with an identical name in the state of New York.”

Municipal Water Use

Gallons per capita day

**Utah is America's #1, highest
per capita municipal water user**



Annual MGD



A brief history of demand forecasting in Seattle

Predictions of the future as Science are often...NOT

2015 Legislative Audit of Utah's Water Needs

REPORT TO THE

UTAH LEGISLATURE

Number 2015-01



**A Performance Audit
Projections of Utah's Water Needs**

May 2015

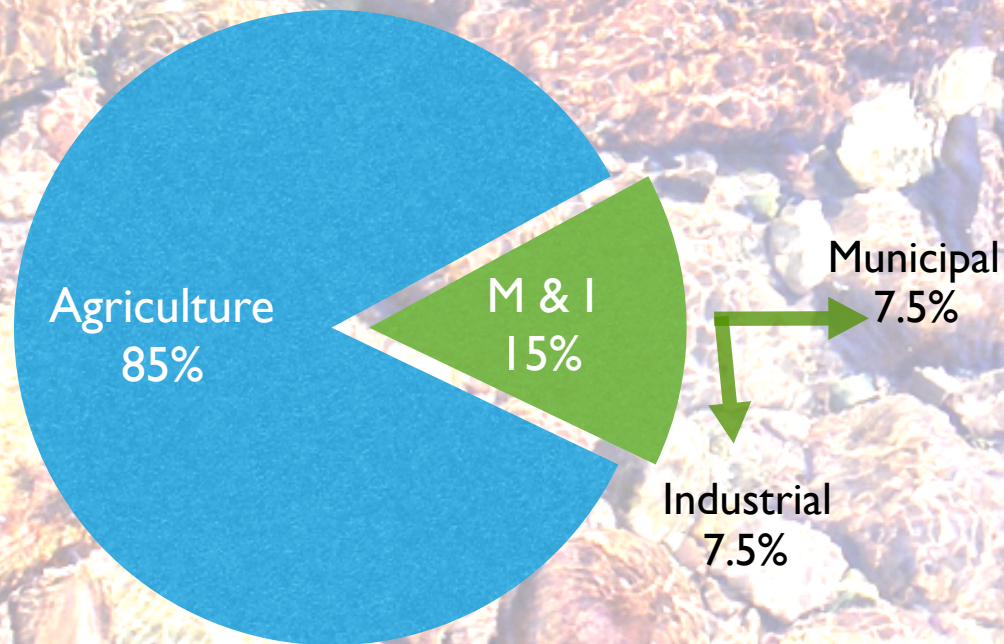
Office of the
LEGISLATIVE AUDITOR
State of Utah

Chapter IV Growth in Future Water Supply Should Be Reported to Policy Makers

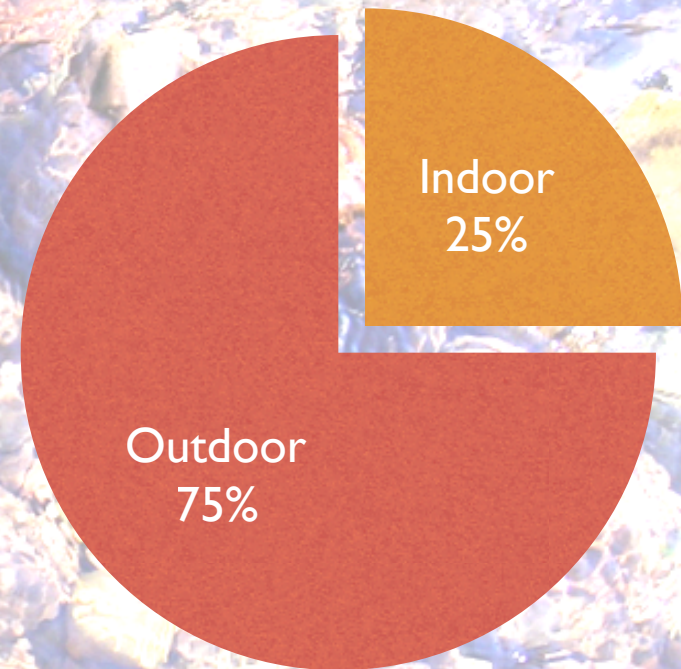
The Division of Water Resources understates the growth in the water supply when estimating Utah's future water needs. Its projections of future supply only includes the growth from the new water projects of four water conservancy districts. The division has not attempted to identify the incremental growth in supply that will occur as municipalities develop additional sources of water. That additional supply will mainly come from agriculture water that is converted to municipal use as farmland is developed. Local supplies may also grow as cities develop the remaining capacity of existing groundwater and surface water sources. By excluding this added water supply, the projections accelerate the timeframes for developing costly, large-scale water projects. We recommend the division prepare better regional plans that include the growth in supply from all sources, including locally developed supplies. If they do this, state policymakers will be better equipped to determine when to proceed with major water projects.

Is Utah Running Out of Water?

Annual Water Use



Municipal Water Use



Utah is Ignoring Water Right Under Our Feet

Amid a 4th straight year of drought
Salt Lake County canals were still flowing



Utah State Water Plan Jordan River Basin

Utah Division of Water Resources ♦ Utah Department of Natural Resources

Division of Water Resources

“The average annual diversion for irrigated cropland is 143,000 acre-feet.”

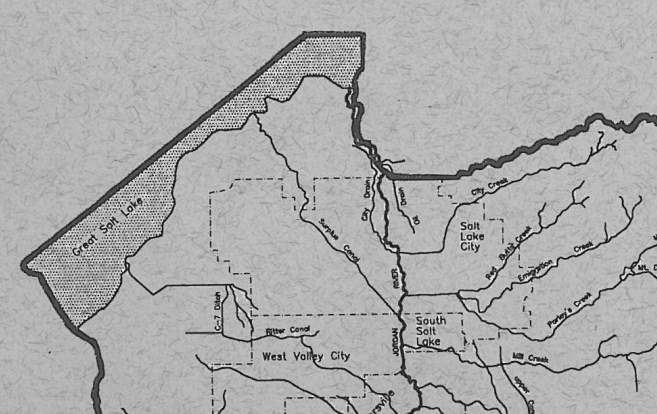


Figure 10-1
SALT LAKE COUNTY LAND USE



RECENT DEVELOPMENTS

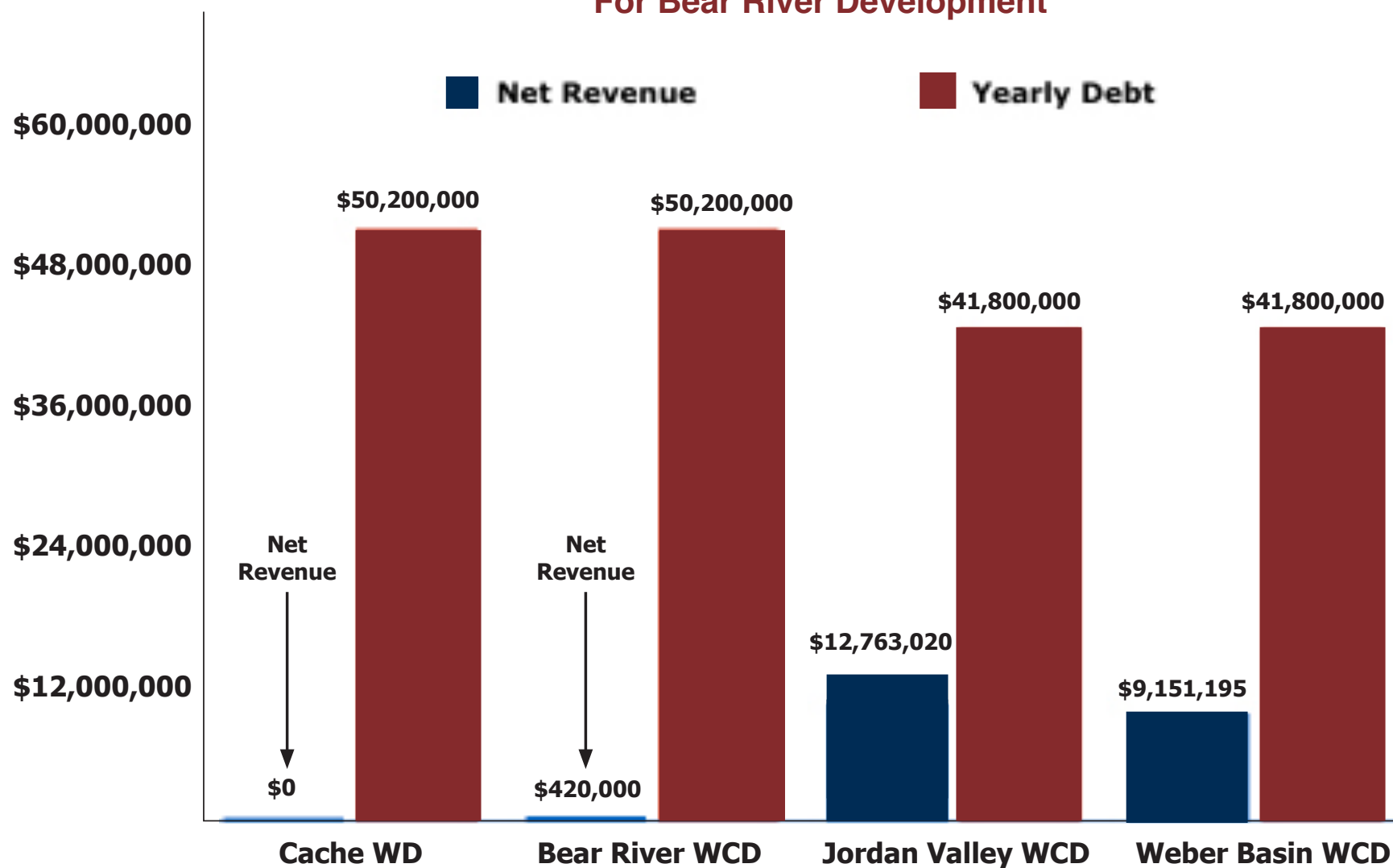
&

REVELATIONS

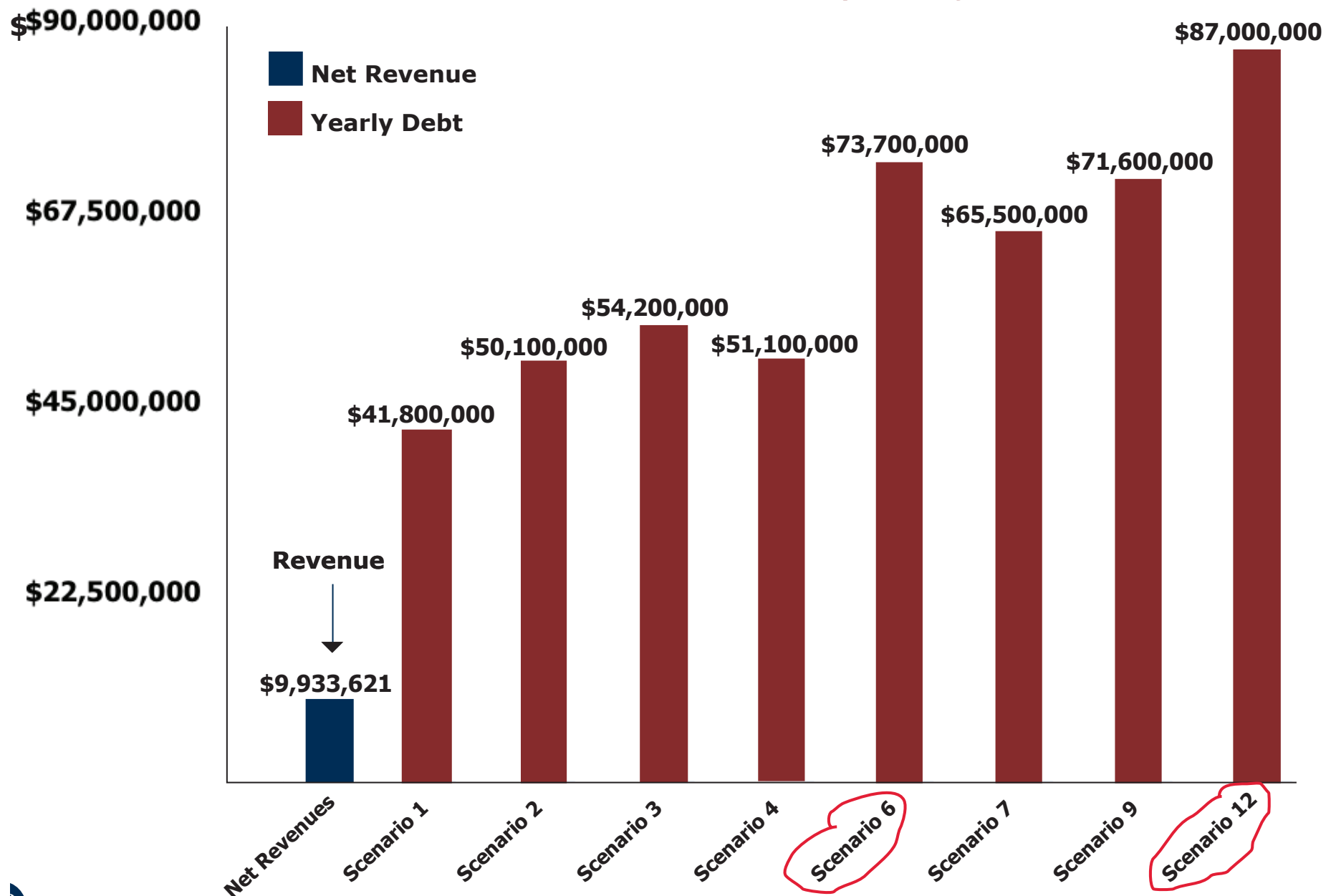


Annual Revenues and Debt Repayments, inclusive of all costs: Scenario 1

Water District Net Revenues vs Annual Debt Payments
For Bear River Development



Jordan Valley WCD Current Annual Revenue vs. Annual Debt from Bear River Development by Scenario



WILL ALTERNATIVES

BE

CONSIDERED?