







ADVISORY COMMITTEE SCOPE

- Understand existing water supplies and facilities.
- Assess future supply and facility needs.
- Recommend preferred long-term planning and strategy.
- Understand the role of conservation in sustaining this community.
- Develop thorough understanding of existing financial situation.
- Recommend a long-term funding strategy.

OPEN MEETING LAW

Nevada's Open Meeting Laws ensure decisions affecting the public are made through transparent, public processes.

- All committee work conducted in meetings open to the public.
- Agendas available at least three days in advance of the meeting; materials provided to the public when committee members receive it.
- Public comment taken at the beginning and end of each meeting.
- No hidden votes.
- Quorum required for decisions/recommendations.
- No "walking" quorums.

CONSENSUS-BASED RECOMMENDATIONS

- An opinion or position reached by a group as a whole.
- Focuses on discussion and considers input of all participants.
- Cooperatively seeks mutually-beneficial solutions.
- Recommendation may not necessarily be your first choice.
- Focus on achieving consensus, not unanimity.

YOUR COMMITMENT

- Attend and participate in all meetings.
- Be prepared to discuss the issues on the agenda, as well as information distributed by staff in advance of meetings.
- Be willing to explore goals, constraints and multiple options.
- Listen attentively and with an open mind.
- Respect the ideas and perspectives of others. Give everyone a chance to speak. Avoid side discussions. Don't interrupt.
- Maintain focus on the topic currently under discussion. Avoid repeating issues that have already been raised or recorded.
- Achieve consensus.
- When needed, take a break.

SNWA'S COMMITMENT

- Begin meetings on time.
- Provide information in a timely manner.
- Be available to answer questions or for further discussion.
- Provide committee members with reasonable notice of meeting date and accurate description of discussion topics.
- Respect the opinions of the committee members.

2019-2020 MEETING SCHEDULE

- Wednesday, November 20, 2019
- Wednesday, December 18, 2019
- Wednesday, January 8, 2020
- Wednesday, January 29, 2020
- Wednesday, February 12, 2020
- Wednesday, March 4, 2020
- Wednesday, March 11, 2020 if needed
- SNWA facilities tour (winter 2020)

MISSED MEETINGS

- Alternates not permitted.
- Materials and updates will be provided to members following meetings.
- Staff is available for individual briefings.



WHY USE ADVISORY COMMITTEES?

- Allows the public an opportunity to influence decisions that affect them.
- Generates input from a wide spectrum of stakeholder interests.
- Allows transparency in decision-making.
- Weighs the risk/benefits/cost to alternatives.

SNWA ADVISORY COMMITTEES

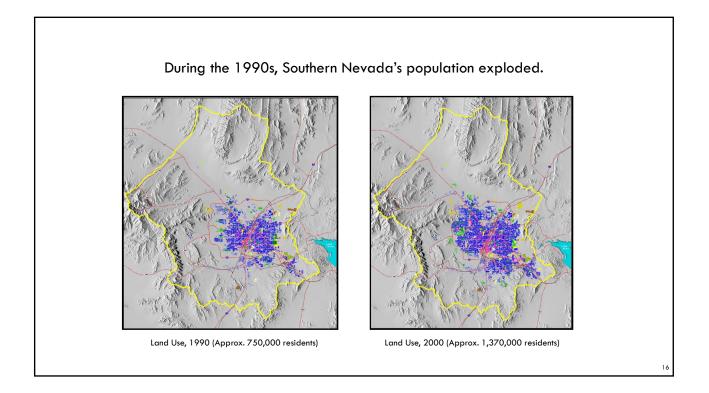
SNWA has a history of seeking public input through citizens advisory committees to evaluate major organizational initiatives.

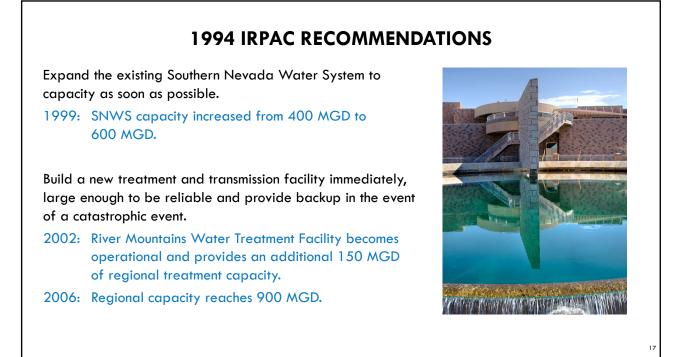
Decade	lssue
1990s	Facilities, Resources & Water Quality
2000s	Drought & Conservation
2010s	Drought, Facilities & Economic Recession Impacts

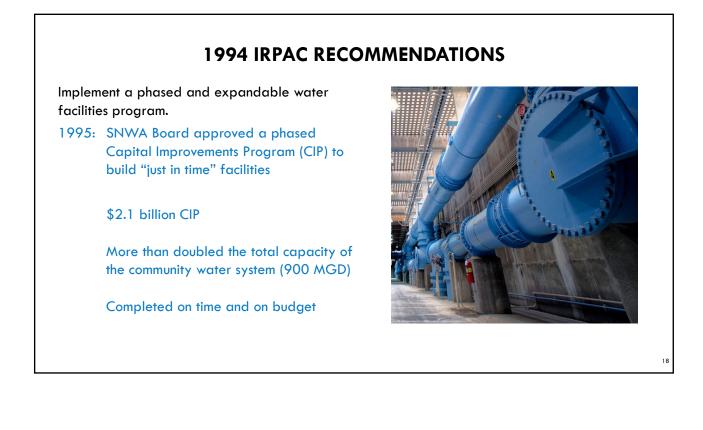
1994: INTEGRATED RESOURCE PLANNING ADVISORY COMMITTEE ISSUES: Facilities, Water Quality and Water Resources

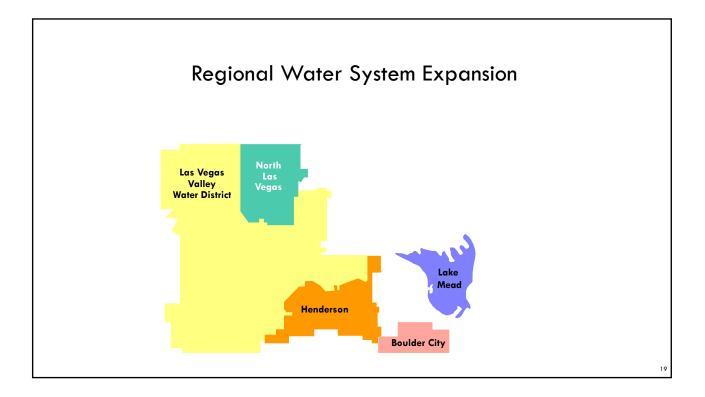
1990s: SNWA's facilities were unable to meet demand projections and Nevada was projected to exceed its Colorado River allocation.

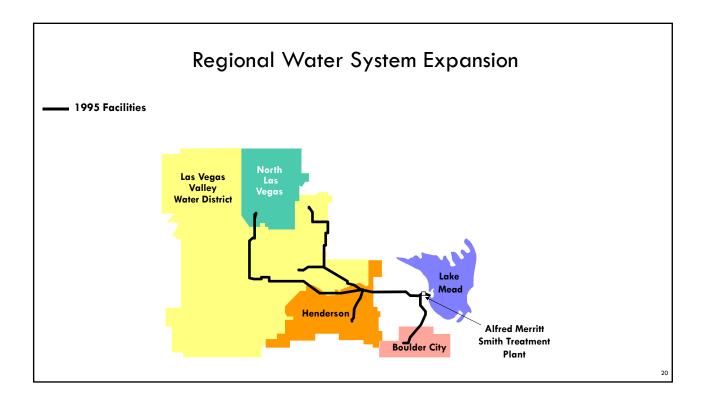
SNWA convened its first advisory committee to evaluate and make recommendations on how to invest in facilities and resources to meet future demands.

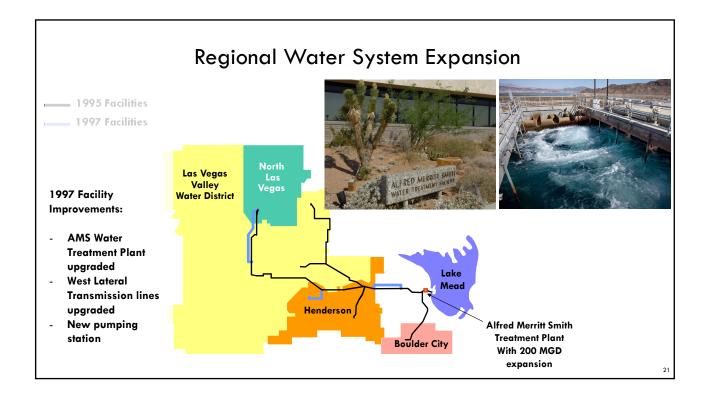


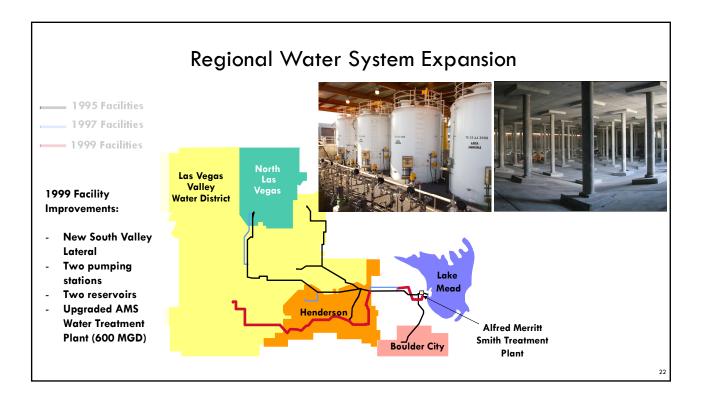


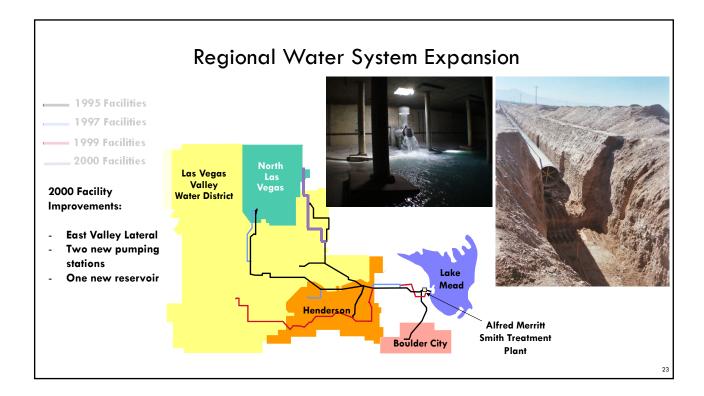


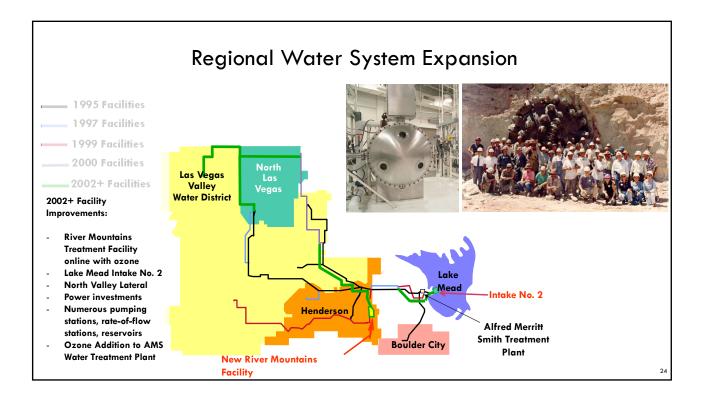












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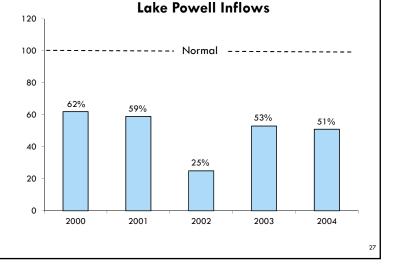


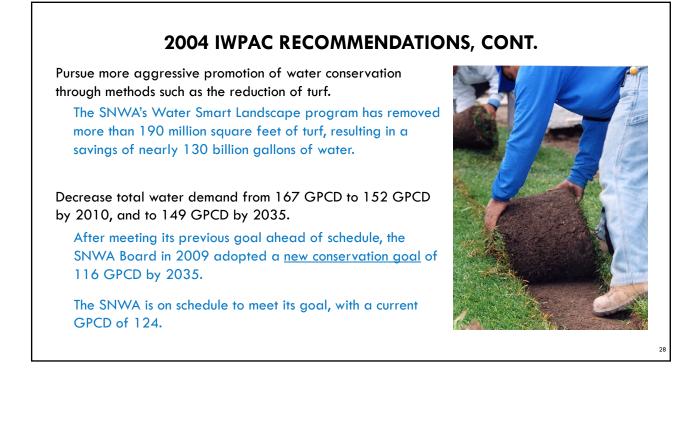
2004: INTEGRATED WATER PLANNING ADVISORY COMMITTEE

ISSUES: Water Resources and Conservation

2000: The Colorado River Basin began to experience what would quickly become the worst drought in the basin's recorded history.

2004: Another advisory committee was appointed to explore resource options to protect the community from worsening drought conditions.





2004 IWPAC RECOMMENDATIONS, CONT.

Work with Colorado River Basin States and the Bureau of Reclamation to implement augmentation credits for non-Colorado resources.

SNWA revised its return-flow credit methodology to include instate groundwater.

Continue to pursue ocean desalination as a long-term resource. SNWA participated in a Basin Study to evaluate future basin demands and possible solutions including desalination.

SNWA has funded pilot studies in Yuma, Arizona and Rosarito, Mexico.

Pursue delivery of pre-Compact Muddy and Virgin River rights. SNWA currently owns or leases 50,000 acre-feet per year of water rights on both rivers.

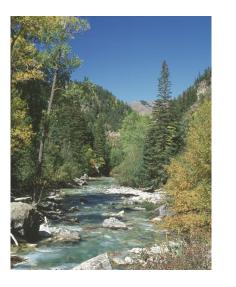


2004 IWPAC RECOMMENDATIONS, CONT.

Utilize the Southern Nevada Water Bank and California Water Bank as "bridge resources" to meet supply deficiencies.

Banked significant resources in Southern Nevada and California.

Amended the Arizona Water Banking agreement to guarantee 1.25 MAF of banked water in Arizona. Nevada has banked more than 330,000 acre-feet of water in California.



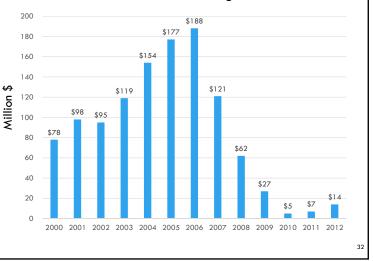
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2012: INTEGRATED RESOURCES PLANNING ADVISORY COMMITTEE ISSUES: Funding

2008-11 The community was in the midst of an economic recession, during which connection charge revenues hit an all-time low, significantly affecting the SNWA's ability to make debt service payments on capital projects.

2012 An advisory committee was convened to recommend a funding formula to fund capital and ensure the organization's long-term financial stability.

SNWA Connection Charge Revenue



3

2012-13 IRPAC RECOMMENDATIONS

Maintain existing Infrastructure Charges adopted by SNWA Board, and formalize the 50% credit to the Fire Line Infrastructure charge.

The Service Rules were updated to permanently reduce the Fire Line Infrastructure charges.

Permanently cap the Fire Line Infrastructure rate at 2013 dollar amounts. Fire Line Infrastructure rates have not been discussed at any further CACs, nor will they be discussed at this one.

2012-13 IRPAC RECOMMENDATIONS

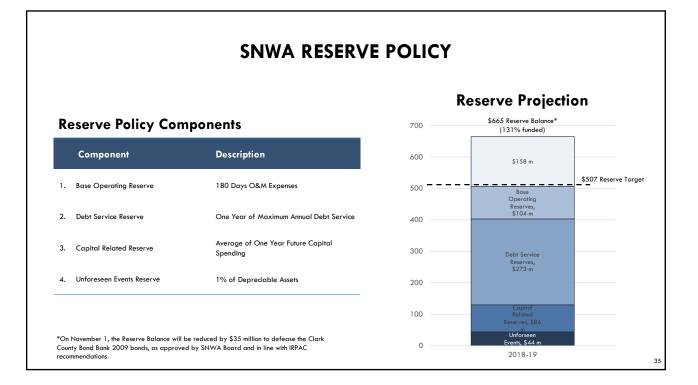
Allocate Connection Charge revenues in excess of the 2014 budget to exclusively fund either early payment or pre-refunding of existing debt or one-time capital expenditures, or reduce water rates.

If funds in excess of the target fund balance remain in the New Expansion Debt Service fund, use excess funds exclusively to: (1) Redeem outstanding bonds (2) Acquire capital assets that would otherwise need to be funded with bond funds (3) Moderate impacts of rate increases or (4) Reduce water rates.

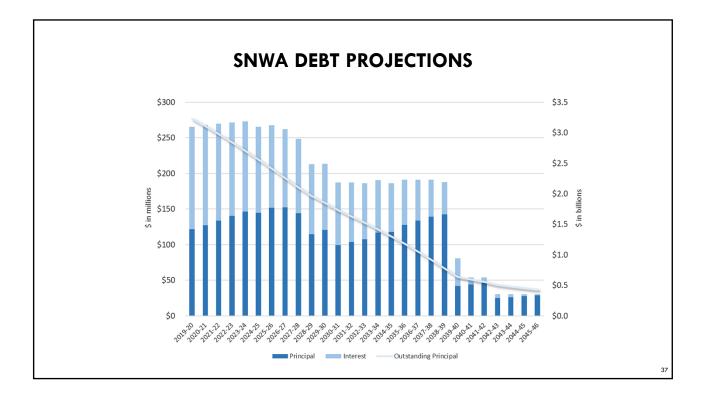
In FY 2015-16, SNWA was able to fund \$30 million in Low Lake Level Pumping Station (L3PS) projects using cash.

In November 2019, SNWA will pay \$35.5 million to defease Clark County Bond Bank 2009 bonds.

Did not sell \$100 million of L3PS bonds in 2018-19.



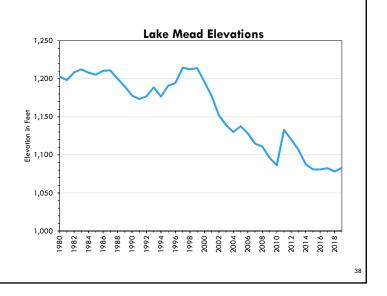
SNWA RESERVE POLICY				
	Reserve Projection			
Rate Stabilization Fund	700 \$665 Reserve Balance* (131% funded)			
IRPAC recommended allocating connection charge revenues in excess of the 2014 base year (\$16.1 million) exclusively to pay the following:	600		07 Reserve Targe	
a. Early payment or pre-refunding of existing debt or one-time capital expenditures, whichever is most financially efficient, and	400			
b. Water rate reductions.	300			
As of FY 2018-19, there is \$266 million in the	200	Rate		
Rate Stabilization Fund.	100	Stabilization Fund, \$266 m		
	0			
		2018-19		



2014: INTEGRATED RESOURCES PLANNING ADVISORY COMMITTEE ISSUES: Drought, Infrastructure, Funding

2014: Lake Mead's water levels were among the lowest since the reservoir was filled.

Declining elevations threatened the ability of SNWA's existing facilities to access the community water supply.



2014 IRPAC RECOMMENDATIONS

Begin design and construction of a new low lake level water pumping station as soon as possible.

Construction began on the L3PS in 2015 and is scheduled for completion in spring 2020, on time and under budget.

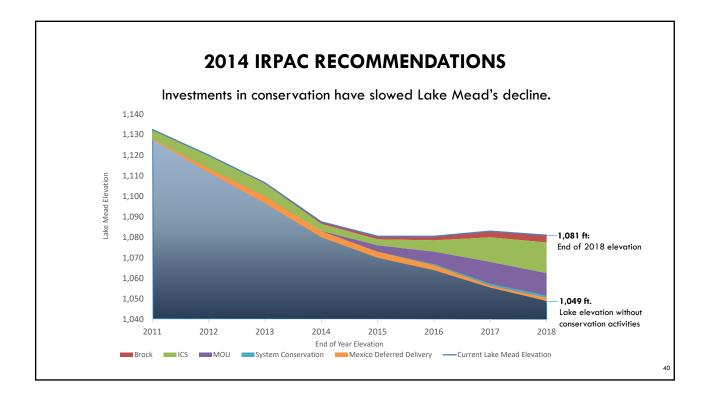
Generate funding needed for L3PS through fixed charges based on meter size.

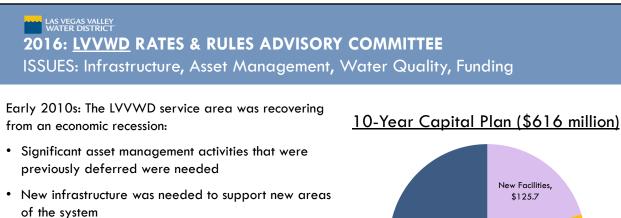
Consistent with the recommendations made by the committee, the SNWA Infrastructure Charge was increased and has funded L3PS. No additional revenues were needed.

Continue to partner with Colorado River Basin States to undertake system conservation projects to protect Lake Mead elevations.

SNWA has continued to help fund 80 System Conservation Projects throughout the Basin.

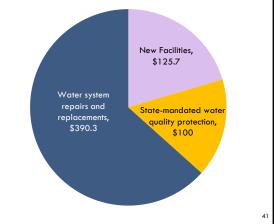






• An aggressive backflow program was needed to comply with state standards

2016: LVVWD Rates and Rules Advisory Committee convened to make recommendations on how the LVVWD can maintain its level of service





Maintain existing Backflow Service Charge rates and implement the Backflow Service Charge to customers who require the device.

Turning on the charge to fund the program has allowed the LVVWD to complete 13% of the 10-year-retrofit program, with another 600 retrofits planned for this year.

Dedicate connection charge revenue in excess of \$5 million to achieving the reserve target.

LVVWD Reserves are currently fully funded.

Use advisory committees as needed to evaluate rate changes and funding strategies.

2019 SNWA Advisory Committee established.



2016 LVVWD RATES & RULES CAC RECOMMENDATIONS

Phase in a 30% increase to the LVVWD Facility Connection Charge and implement an indexed rate thereafter.

Increase the water rates and Service Charge annually in accordance with the Consumer Price Index (CPI).

The following projects are either in the design or construction phase:

- 4 reservoirs: Summerlin, Cougar, Rome & Centennial
- 2 pumping stations: Rome, Centennial
- Transmission mains
- Upgrade all SCADA systems to include the same hardware and software



ADVISORY COMMITTEES



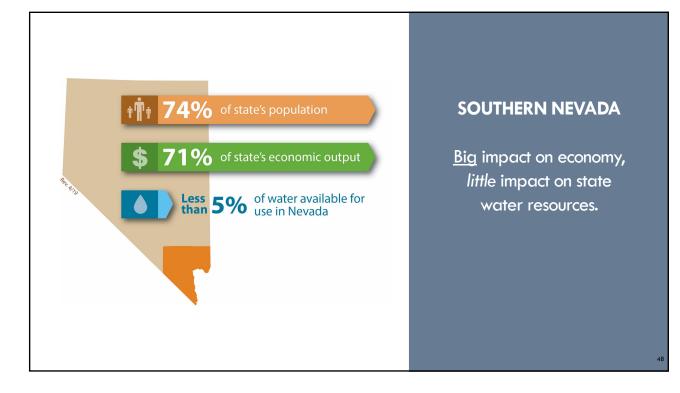
In summary, past committees have evaluated a range of issues:

- Facilities
- Water Policy
- Water Quality
- Funding
- Conservation
- Environmental Protection



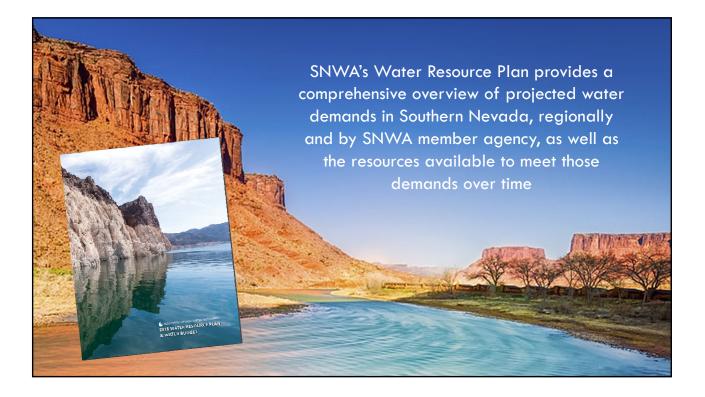


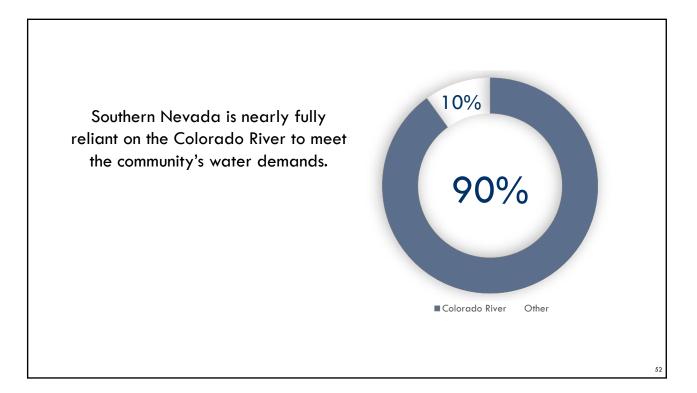
Our mission is to provide world-class water service in a sustainable, adaptive, and responsible manner to our customers through reliable, cost-effective systems. Seven of every 10 Nevadans rely on the SNWA to supply water to homes and businesses.



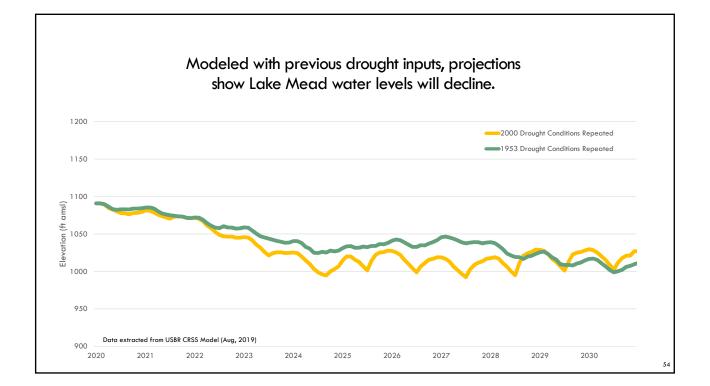


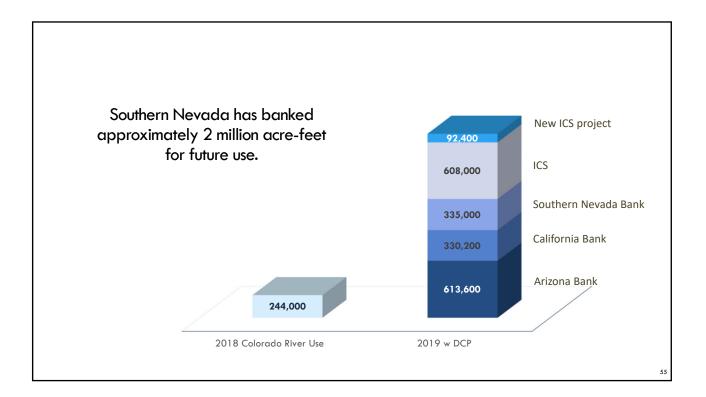


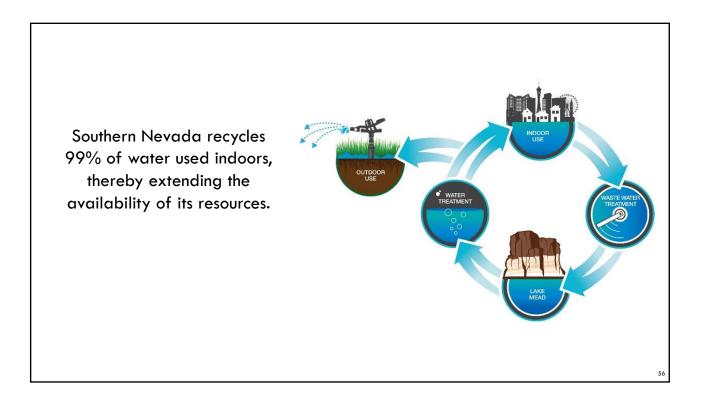






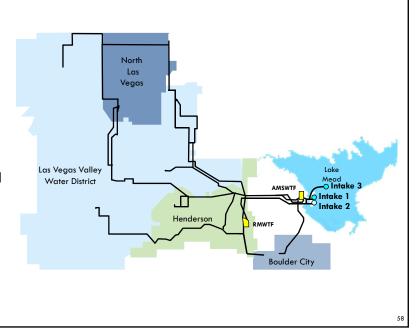


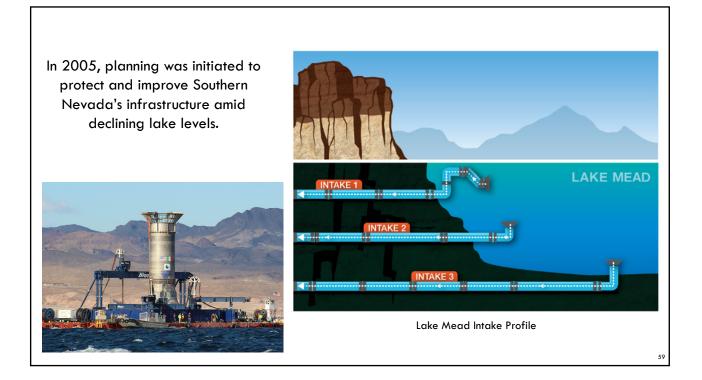






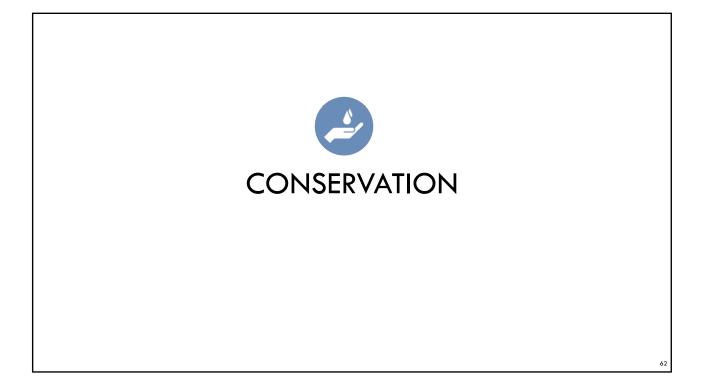
- 448,000 acre-feet delivered in 2018
- Two drinking water treatment facilities (Total Capacity: 900 MGD)
- Three drinking water intakes
- A water quality laboratory and research center
- Pumping stations and major reservoirs
- Transmission laterals

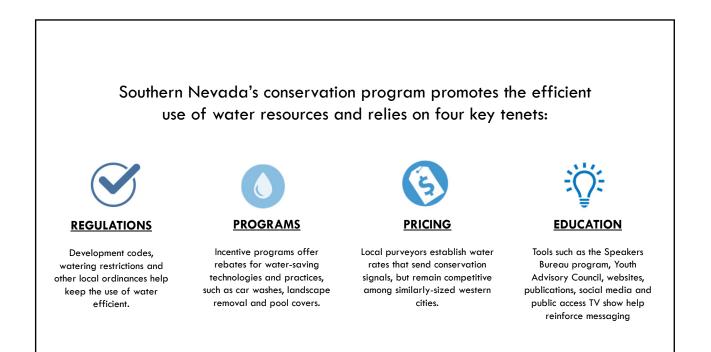


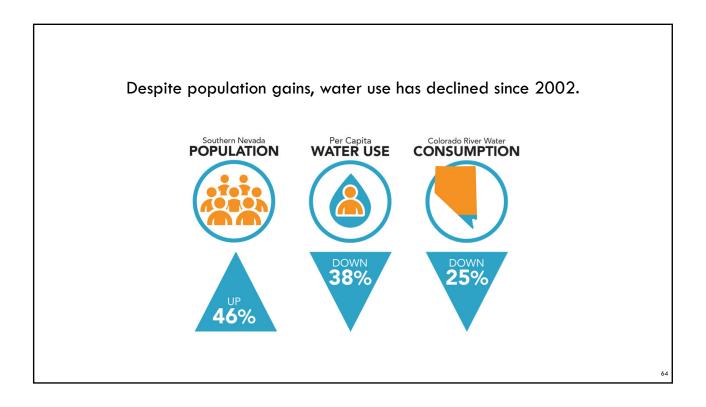


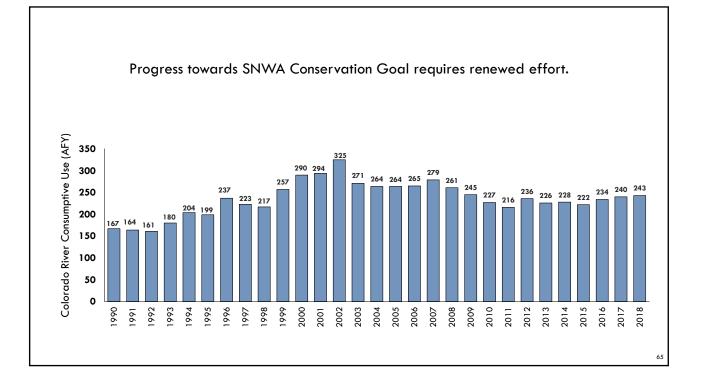










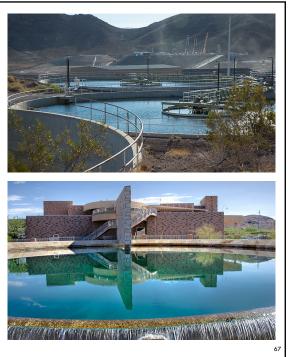


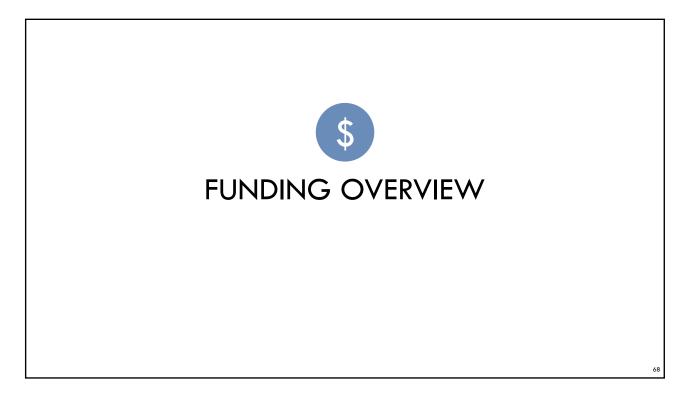


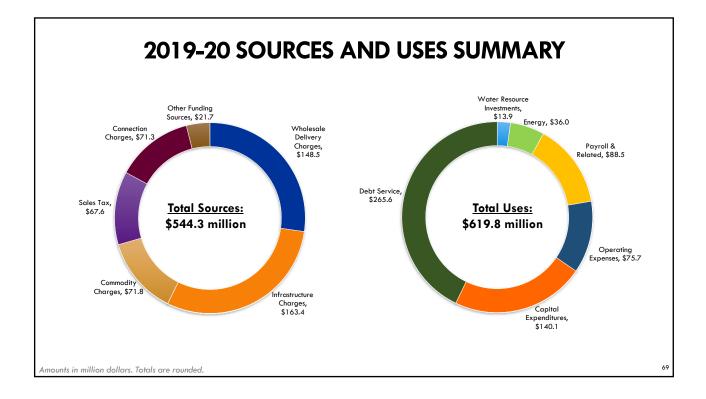
The SNWA operates two advanced treatment facilities and one state-of-the-art water quality laboratory

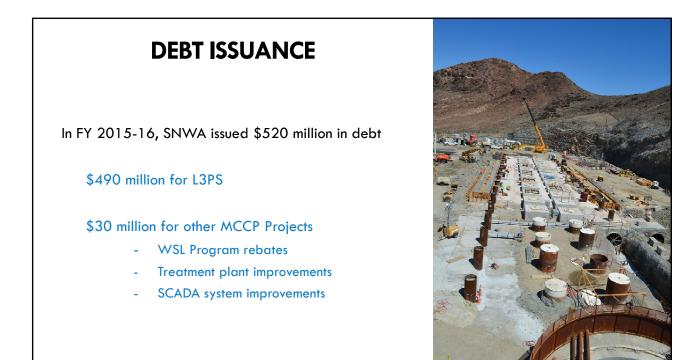
Each year, the SNWA laboratory staff:

- Collects more than 33,000 water samples
- Conducts more than 333,000 analyses
- Tests for more than 140 regulated and unregulated contaminants
- Ensures that Southern Nevada's water meets or surpasses federal Safe Drinking Water Act standards









SNWA CURRENT EFFORTS



- Complete L3PS on time and under budget
- Maintain conservation progress
- Continue working with Colorado River Basin partners to protect Lake Mead water levels
- Implement the Drought Contingency Plan
- Maintain credit worthiness

MEETING LONG-TERM COMMUNITY DEMANDS



- New, major infrastructure is needed to provide capacity, redundancy and reliability valley-wide
- Maintaining water recycling levels requires new infrastructure
- Pursue resource opportunities on the Colorado River
- Renewable energy resources are needed to achieve the statemandated Renewable Energy Portfolio Standard
- Progress towards the community's conservation goal must be maintained or surpassed

These efforts will be included in an amendment to the Major Construction and Capital Plan (MCCP).

MEETING LONG-TERM COMMUNITY DEMANDS

Throughout this process, the committee will:



- Understand SNWA's responsibility and role in maintaining a reliable water supply for this community.
- Recommend projects for inclusion within the MCCP amendment, weighing the risk, cost and benefit.
- Consider how the community can maintain progress toward its conservation goal and make recommendations for improvement.
- Recommend a funding strategy.

