SOUTHERN NEVADA WATER AUTHORITY BOARD OF DIRECTORS REGULAR MEETING DECEMBER 20, 2021 MINUTES

CALL TO ORDER 12:00 p.m.

BOARD MEMBERS PRESENT Marilyn Kirkpatrick, Chair

Dan Stewart, Vice Chair

James Adams Scottt Black Jim Gibson Justin Jones

BOARD MEMBERS ABSENT Cedric Crear

STAFF PRESENT John Entsminger, Colby Pellegrino, Dave Johnson, Doa Ross, and Tabitha

Simmons

OTHERS PRESENT None

Unless otherwise indicated, all members present voted in the affirmative.

COMMENTS BY THE GENERAL PUBLIC

For full public comment, visit snwa.com/apps/snwa-agendas/index.cfml

Chair Kirkpatrick said that she would be taking public comment separately on item number 6; she then opened the public comment period for anyone wishing to speak on other items on the agenda. There were no speakers wishing to be heard on the other items.

ITEM NO.

1. For Possible Action: Approve agenda with the inclusion of tabled and/or reconsidered items, emergency items and/or deletion of items, and approve the minutes from the regular meeting of November 18, 2021.

FINAL ACTION: Director Gibson made a motion to approve the agenda for this meeting, and to approve the minutes from the regular meeting of November 18, 2021. The motion was approved.

Items 2 and 4 were taken in one motion.

BUSINESS AGENDA

- 2. For Possible Action: Adopt the 2021 Water Resource Plan.
- 4. For Possible Action: Consider and adopt a new conservation goal and direct staff to work with the Authority's member agencies to implement conservation initiatives to support goal achievement.

John Entsminger, General Manager, gave a presentation on the Resource Plan and new conservation goal. A copy of his presentation is attached to these minutes.

Director Jones asked which conservation measures yielded the greatest water savings. Mr. Entsminger said that implementing the turf restrictions imposed by AB 356, which restricts turf at non-residential properties, saves the greatest amount of the community's water, but also restricting the installation of new turf in Southern Nevada, except in parks, cemetaries and schools, will also save a tremendous amount of water. He said that enforcing water waste regulations and reducing evaporative cooling will also save the community additional water.

Director Jones asked about converting golf courses to other uses. Colby Pellegrino, Deputy General Manager, Resources, said that golf course tuf conversions were allowed under the Water Smart Landscapes program. However, it would be difficult to maintain conservation easements and protect the Authority's conservation investment at golf courses that want to convert into another type of development, such as single-family residences. If a golf course wanted to remove turf in favor of a different type of recreation area, such as mountain biking trails, the Authority would be willing to discuss potential incentives.

Chair Kirkpatrick asked if there were additional conservation measures that could be considered beyond what staff had proposed. Mr. Entsminger said that potential conservation measures were not limited to what was proposed by staff. He said that staff would be willing to entertain other ideas from the Board or other community members.

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Chair Kirkpatrick suggested that the community work with the Clark County School District to develop future schools with playgrounds that could also be used as community parks.

Vice Chair Stewart asked how the proposed conservation goal of 86 gallons per capita per day (GPCD) compared to other large metropolitan communities' water usage. Mr. Entsminger said that the goal was comparable with some communities' usage in coastal California, while being significantly less usage than some communities in Utah, which use as much as 300 GPCD. He said that trying to compare GPCD across different jurisdictions was difficult since so many factors, such as precipitation, climate, and water accounting, went into calculating a community's GPCD. The best use of GPCD is to allow a community to measure its own conservation progress.

Director Gibson asked what additional water use reductions and development changes might the community be faced with in light of climate change and falling lake levels. He said that he could see that additional incentives could be needed, such as incentives for installing low water-use cooling technologies at new development. Mr. Entsminger said that the Authority would like community partners to submeter evaporative coolers at businesses throughout the Valley to collect better water usage data. Chair Kirkpatrick said that since evaporative coolers use water consumptively, the Board should discuss ways to increase the number of businesses installing submeters on their evaporative cooling systems.

FINAL ACTION: Vice Chair Stewart made a motion to approve staff's recommendations on item 2 and 4. The motion was approved.

3. For Possible Action: Adopt the 2021 Water Budget.

FINAL ACTION: Director Jones made a motion to approve staff's recommendation. The motion was approved.

5. For Possible Action: Adopt a resolution (1) supporting a prohibition on the installation of new irrigated turfgrass and the installation and use of spray irrigation systems in new development in the service areas of SNWA's purveyor members, except in parks, schools and cemeteries; and (2) urging the immediate revision of applicable regulatory codes, ordinances and policies to implement the prohibition.

FINAL ACTION: Director Gibson made a motion to approve staff's recommendation. The motion was approved.

6. For Possible Action: Adopt a resolution (1) supporting a moratorium on cooling and heating mechanisms that consumptively use water in all new developments and establishments within the service area of SNWA's purveyor members, except for single family residences; and (2) urging the immediate revision of applicable regulatory codes, ordinances and policies.

Chair Kirkpatrick opened public comment on item 6.

Jon Leleu, NAIOP, said that NAIOP had been working with the Authority and was committed to continue working with the Authority to address needed water conservation in Southern Nevada. He encouraged the Board to take its time to study evaporative cooling before making a rushed decision.

Paul Moradkhan, Vegas Chamber, said that the Chamber supported the Authority's conservation measures to protect the community. He asked that as ordinances were drafted and considered for adoption in the coming months that the Authority and local jurisdictions conduct outreach to the business community and industry stakeholders. He suggested that the outreach include stakeholder meetings, business impact statements and solicitation for community feedback.

Virginia Valentine, Nevada Resort Association, said that Southern Nevada resorts employee 21 percent of the workforce in Nevada, but only use approximately 0.1 percent of the community's water. She thanked Mr. Entsminger for meeting with several of the Association's members to discuss proposals regarding evaporative cooling. The Nevada Resort Association wanted to be a part of the process moving forward and looking at every available opportunity to reduce water consumption and balance that with a possible increase in energy consumption.

There being no other speakers wishing to be heard, Chair Kirkpatrick closed the public comment period.

Chair Kirkpatrick asked for clarification on the resolution. Mr. Entsminger said that the resolution was to support a moratorium on cooling and heating mechanisms that consumptively use water in new development. He said that local jurisdictions would need to draft and adopt ordinances to implement the moratorium.

Director Gibson said that should the Board pass the Resolution, each member would need to be committed to taking it back to their respective jurisdictions to begin working on the necessary ordinances to implement in a coordinated effort.

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Director Adams said that the resolution represented a necessary and important first step in continuing to protect Southern Nevada's water resources.

Director Black thanked the business leaders and commentors for their tone and professionalism in addressing a sensitive topic. He looked forward to working with the community to address this important issue.

FINAL ACTION: Vice Chair Stewart made a motion to approve staff's recommendation. The motion was approved.

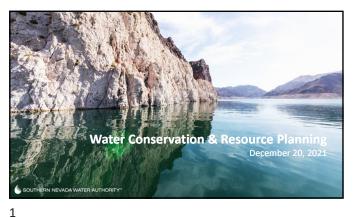
Public Comment

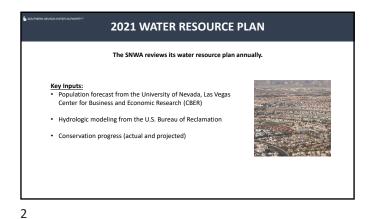
There were no speakers wishing to be heard.

Adjournment

There being no further business to come before the Board, the meeting adjourned at 1:14 p.m.

Copies of all original agenda items and minutes, including all attachments, are on file in the General Manager's office at the Las Vegas Valley Water District, 1001 South Valley View Boulevard, Las Vegas, Nevada.



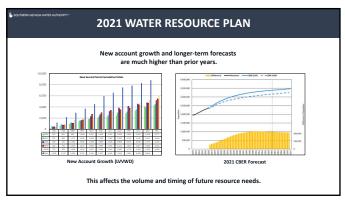


2021 WATER RESOURCE PLAN The SNWA's Water Resource Portfolio includes a diverse set of resource options that will be used in tandem with demand reduction tools to reliably meet the community's current and future water resource needs.

2021 WATER RESOURCE PLAN 2021 Plan Changes:
• Extended the planning horizon through 2072. Updated demand range based on the new population forecast. Applied new assumptions about conservation achievements. Incorporated the latest Colorado River supply outlook. Developed planning scenarios that reflect supply impacts under variable hydrology. 14.7 MAFY
 12.9 MAFY
 11.0 MAFY Supply and demand inputs have changed significantly.

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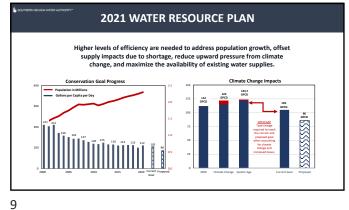


2021 WATER RESOURCE PLAN Annual Colorado River inflows have been at or below 11.0 million acre-feet for nearly half of the last 22 years. Further water-level declines are expected.

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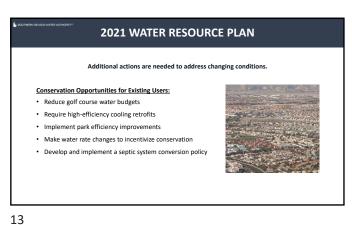
WATER RESOURCE PLAN UPDATE As part of its 2021 planning effort, the SNWA considered: The water resource implications of higher demands and lower flows over the planning horizon. The extent to which additional conservation could extend permanent resources and delay the use of temporary and future resources. • Specific conservation actions that could be implemented to achieve additional conservation and efficiency gains.

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2021 WATER RESOURCE PLAN Existing and planned measures do not go far enough. Mandatory watering restrictions Incentive programs Asset management programs ater waste enforcement & fees Utility leak detection Out-of-Valley Water Use Policy Turf limits Education & outreach Large water user policy (new development) Cooling efficiency research & studies Additional actions are needed to address changing conditions.

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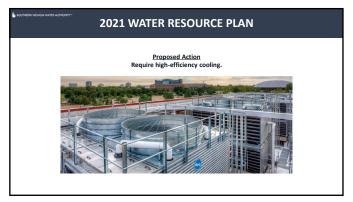
2021 WATER RESOURCE PLAN <u>Proposed Action</u>
Reduce golf course water budgets for 4.0 acre-feet of water per irrigated acre. The average Southwest course is using 4.0 acre-feet/acre.
The average local course is using 4.1 acre-feet/acre.

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2021 WATER RESOURCE PLAN Additional actions are needed to address changing conditions. Conservation Opportunities for New Development: Prohibit new golf course development · Limit new pool construction size Update development standards for cooling technology · Restrict turf in new development Implement large water user policy

2021 WATER RESOURCE PLAN Proposed Action Restrict the surface area of new pool development to 600 square feet. area pools exceed 3,000 square feet and eval more than 145,000 gallons of water per year.

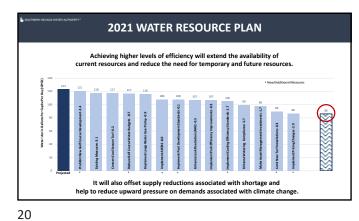
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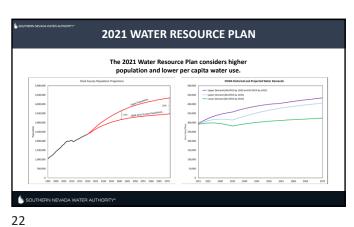


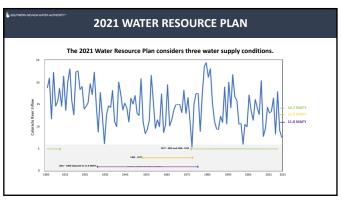
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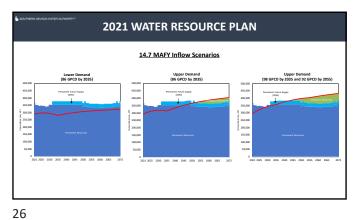






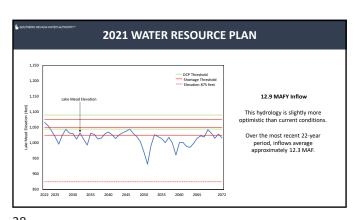
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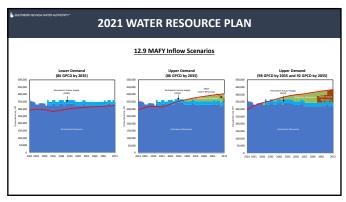


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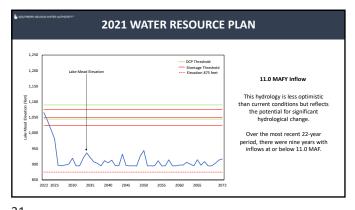


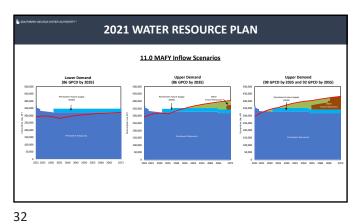
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