

**SOUTHERN NEVADA WATER AUTHORITY
BOARD OF DIRECTORS
REGULAR MEETING
NOVEMBER 21, 2019
MINUTES**

CALL TO ORDER 3:02 p.m., Board Chambers, Southern Nevada Water Authority,
100 City Parkway, Seventh Floor, Las Vegas, Nevada

BOARD MEMBERS PRESENT

Marilyn Kirkpatrick, Chair
Dan Stewart, Vice Chair
Claudia Bridges (by telephone)
Cedric Crear (by telephone)
Jim Gibson
Justin Jones
John Lee

BOARD MEMBERS ABSENT

STAFF PRESENT John Entsminger, Julie Wilcox, Dave Johnson, Kevin Bethel,
Colby Pellegrino

OTHERS PRESENT Bill Nelson, PBTK

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

COMMENTS BY THE GENERAL PUBLIC

For complete comments, audio is available online at snwa.com.

There were no speakers.

Item 10 was removed from the agenda.

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 October 17, 2019.

Staff requested that item 10 be removed from the agenda.

FINAL ACTION: Director Gibson made a motion to approve the agenda for this meeting with the removal of item 10, and to approve the minutes from the regular meeting of October 17, 2019. The motion was approved.

CONSENT AGENDA

2. ***For Possible Action:*** Approve and authorize the General Manager to sign a funding contribution agreement between the Nevada Division of Water Resources and the Authority for surface-water and groundwater data collection services within Nevada to be performed by the U.S. Geological Survey for an amount not to exceed \$133,495.
3. ***For Possible Action:*** Approve and authorize the General Manager to sign, in substantially the same form as attached hereto, a subcontract between Kennedy/Jenks Consultants, Inc., and the Authority for the Authority to perform experiments for the DPR-4: Treatment for Averaging Potential Chemical Peaks Project and receive funds in the amount of \$50,000.
4. ***For Possible Action:*** Appoint Brittany Walker to fill a vacancy on the Advisory Committee for Groundwater Management for the remainder of the term expiring in 2020.

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

BUSINESS AGENDA

5. ***For Possible Action: Adopt the Annual Operating Plan for the Southern Nevada Water System.***

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

6. ***For Possible Action: Approve and authorize the General Manager to sign, in substantially the same form as attached hereto, the 2019 Amended Facilities and Operations Agreement among the City of Boulder City, the City of Henderson, the Las Vegas Valley Water District, the City of North Las Vegas and the Authority.***

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

7. ***For Possible Action: Adopt the 2019 Water Resource Plan.***

Colby Pellegrino, Director of Water Resources, gave an overview presentation. A copy of her presentation is attached to these minutes.

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

8. ***For Possible Action: Adopt the 2019 Water Budget.***

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

9. ***For Possible Action: Adopt the Southern Nevada Water Authority Joint Water Conservation Plan for 2019 through 2024.***

Ms. Pellegrino gave an overview presentation. A copy of her presentation is attached to these minutes.

Director Lee asked about the role of the member agencies in enforcing water conservation plan elements. John Entsminger, General Manager, said that most of the compliance issues are handled by the individual member agencies, but it would be worth a discussion to look into regionalizing compliance efforts or setting compliance goals for each of the individual jurisdictions within the Authority. He said that additional conservation measure compliance would extend current resources and significantly delay the need for additional future water resources.

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

10. ***For Possible Action: Approve and authorize the General Manager to sign a Founding Partnership and Promotional Agreement among Raiders Football Club, LLC; LV Stadium Events Company, LLC; and the Authority to provide marketing and advertising services in support of the Authority's water conservation initiatives and educational campaigns, in an amount not to exceed \$2,500,000 annually for 10 years with a 4 percent annual increase.***

FINAL ACTION: Deleted from the agenda.

11. ***For Possible Action: Accept the Authority's Comprehensive Annual Financial Report, including the corresponding Independent Auditor's Report on Financial Statements and Other Supplementary Information for the period ended June 30, 2019, and authorize its submission to the Nevada Department of Taxation.***

Bill Nelson, Piercy Bowler Taylor Kern, reviewed the annual financial report and auditor's report.

Vice Chair Stewart and Chair Kirkpatrick disclosed that PBTK handled their campaign finances.

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

12. ***For Information Only: Receive an update from staff on water resources including, but not limited to, drought conditions in the Colorado River Basin, conservation programs and activities, activities on the Colorado River, and water resource acquisition and development.***

Ms. Pellegrino gave an update presentation. A copy of her presentation is attached to these minutes.

NO ACTION REQUIRED

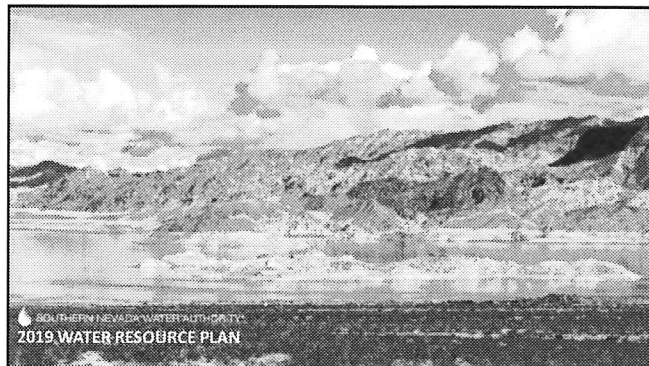
Public Comment

There were no speakers.

Adjournment

There being no further business to come before the Board, the meeting adjourned at 3:48 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.



The SNWA is required to review its water resource plan annually.

Key Changes:

- Extended planning horizon through 2070.
- Updated demand range based on new population forecast.
- Added discussion related to implementation of the Drought Contingency Plan.
- Expanded the number of planning scenarios in the Plan to reflect shortage declarations/supply impacts under variable hydrology (average, dry, extremely dry and climate change).



SNWA's Water Resource Portfolio includes a diverse set of resource options that will be used to reliably meet the community's current and future water resource needs.

Potential Resource Options	Interim DCP Resources	Future Resource Options
Colorado River (SNWA)	Southern Nevada Groundwater Bank	Virgin River/Colorado River Augmentation
Nevada Unshared Colorado River (Non-SNWA)	Interstate Bank (Arizona)	Transfers/Exchanges
Tributary Conservation ICS	Interstate Bank (California)	In-State Groundwater
Las Vegas Valley Groundwater Rights	Intentionally Created Surplus (storage in Lake Mead)	Desalination

Implementation of the 2019 Drought Contingency Plan benefits Southern Nevada and other Lower Basin water users.

- Keeps more water in the river for the benefit of all water users.
- Helps slow Lake Mead water level declines to preserve critical reservoir elevations.
- Provides increased access to water stored in Lake Mead during a declared shortage.
- Expands banking opportunities for SNWA under a newly authorized project.

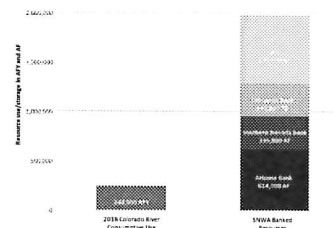


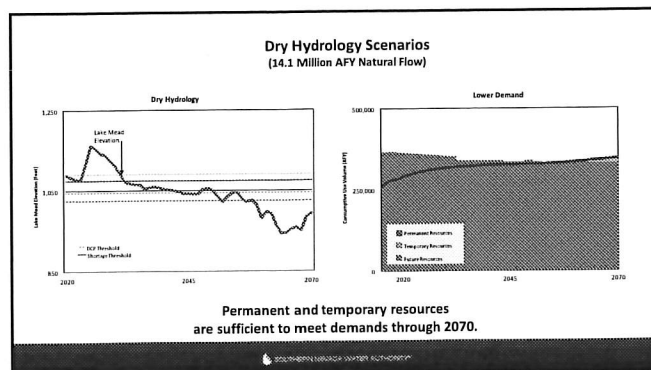
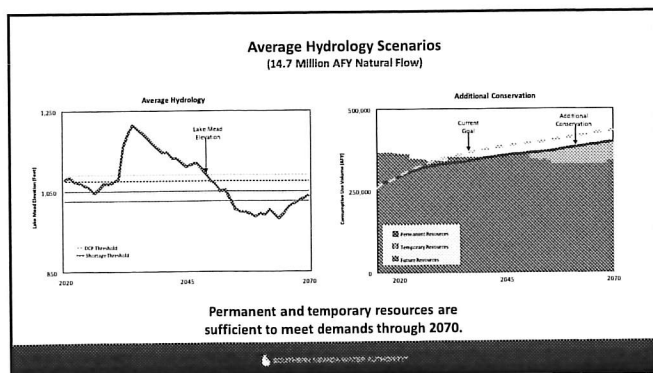
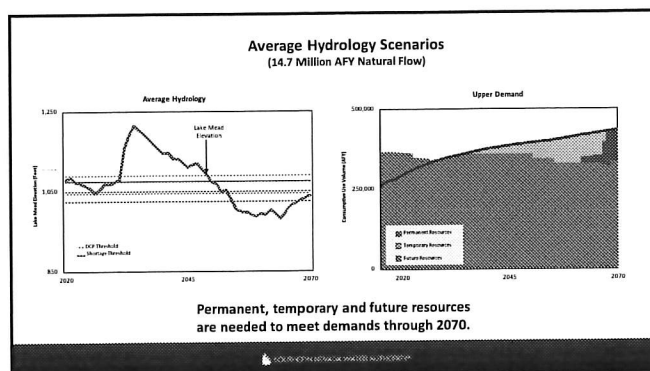
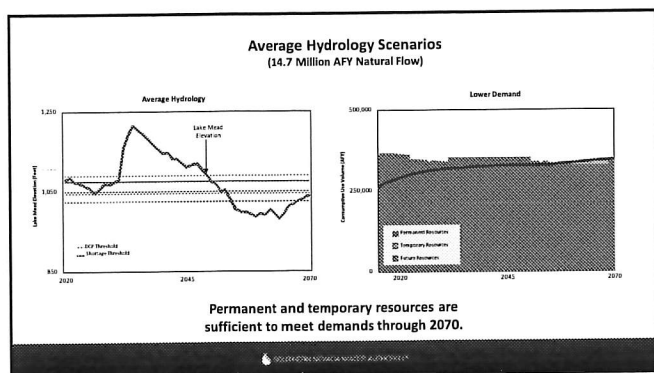
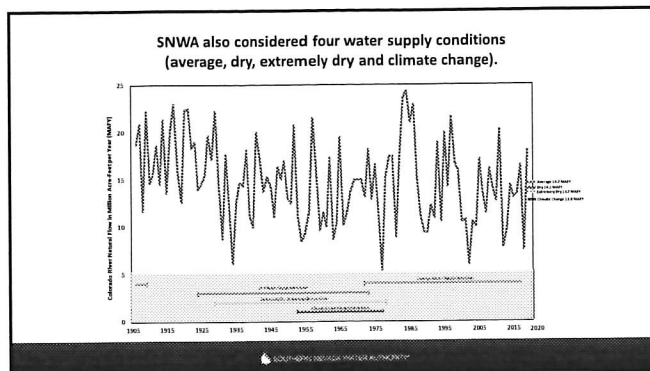
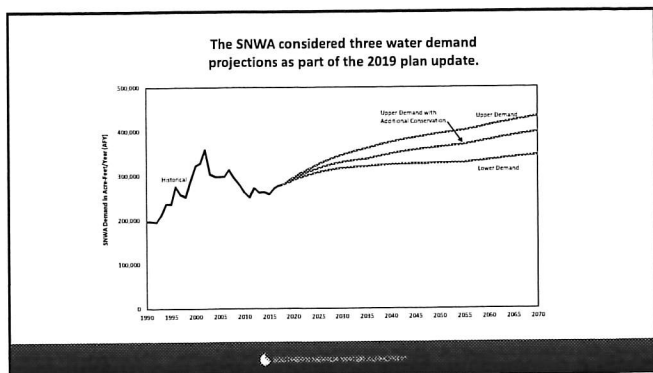
DCP Signing Ceremony at Hoover Dam

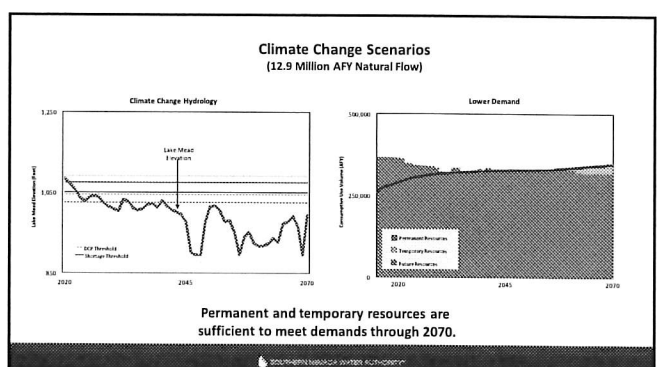
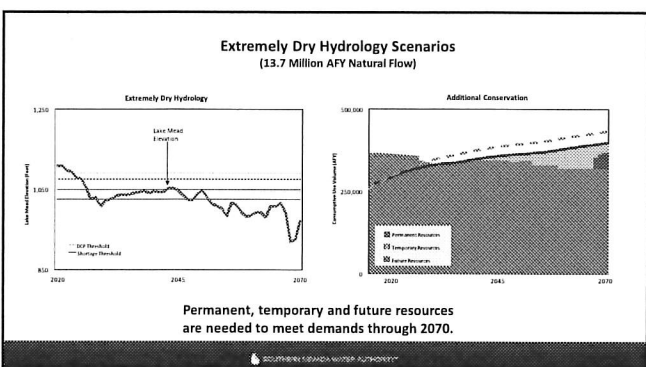
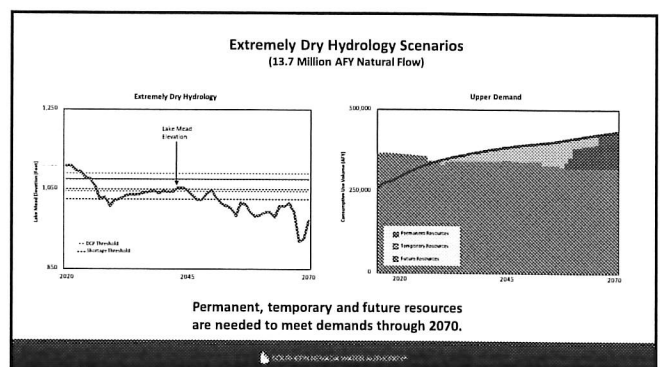
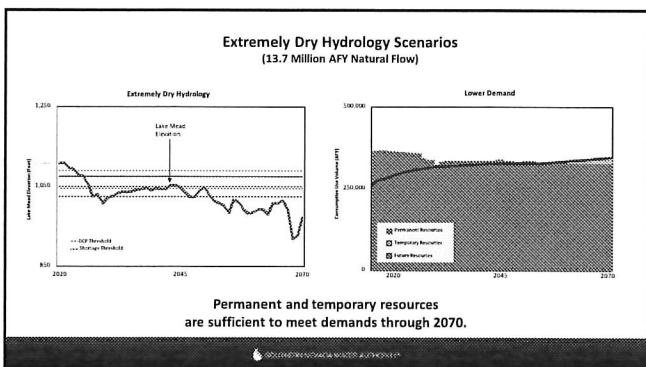
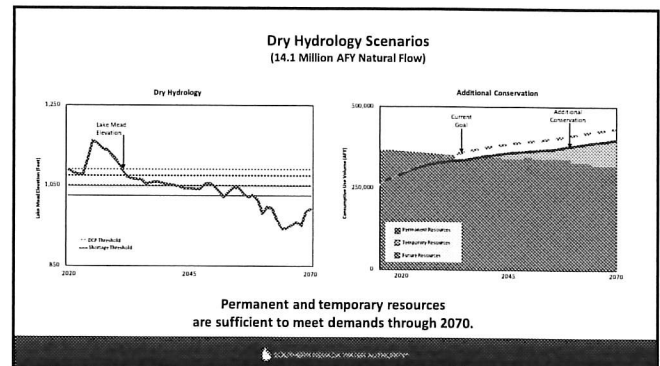
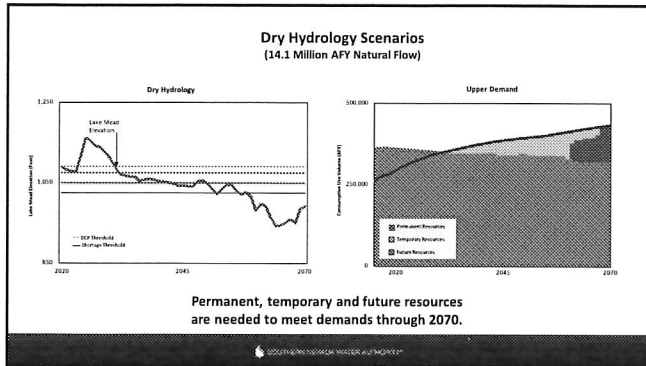
Nevada's combined obligation under the Interim Guidelines and the DCP ranges from 8,000 to 30,000 AFY.

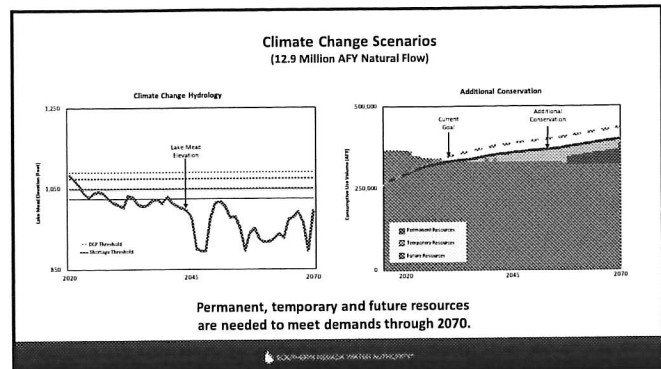
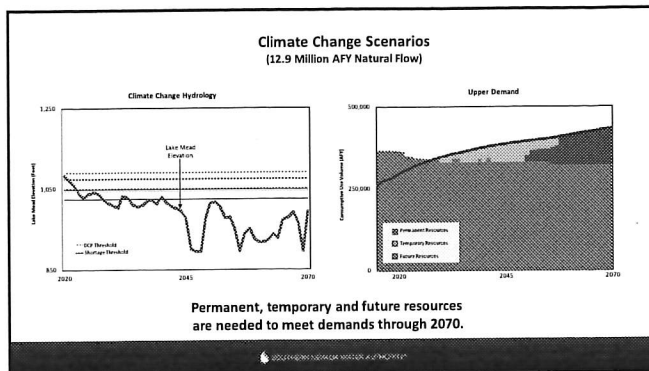
LAKE MEAD WATER LEVEL (FT)	SHORTAGE AMOUNT (AFY)	DCP CONTRIBUTION (AFY)	TOTAL (AFY)
ABOVE 1,090	0	0	0
AT OR BELOW 1,090	0	8,000	8,000
AT OR BELOW 1,075	13,000	8,000	21,000
BELOW 1,050	17,000	8,000	25,000
AT OR BELOW 1,045	17,000	10,000	27,000
BELOW 1,025	20,000	10,000	30,000

Southern Nevada has stored nearly 2 million acre-feet of water. This is more than eight times Nevada's 2018 consumptive Colorado River water use.









With continued water conservation, SNWA has sufficient resources in its water resource portfolio to meet the community's long-term resource needs.

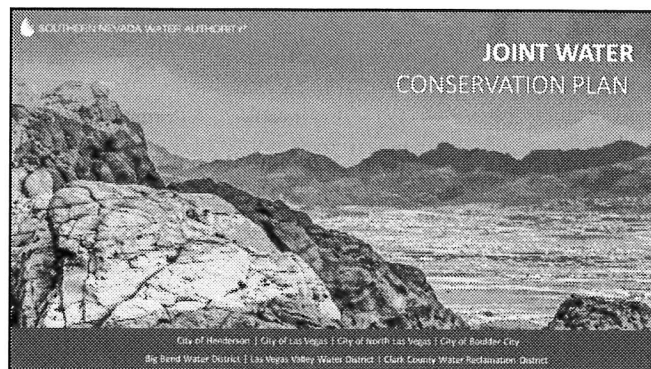
Change your clock

Remove unused turf

Report water waste

Conservation must remain a priority for our desert community.

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SNWA is required to update its water conservation plan every five years. The plan was last updated in 2014 and a new plan is due this year.

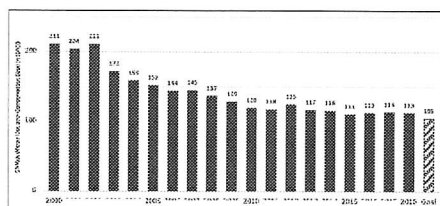
The plan must comply with:

- Nevada Revised Statutes, NRS 540.121 – 540.151
- Reclamation Reform Act, RRA Section 210(B)

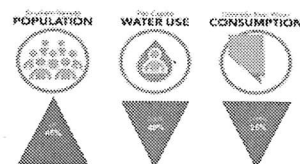


The plan requires SNWA and member agency adoption, and review by Nevada Division of Water Resources.

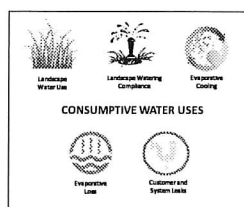
The Plan describes our current conservation goal and progress.



Water use has declined significantly since 2002, but continued conservation remains a priority.

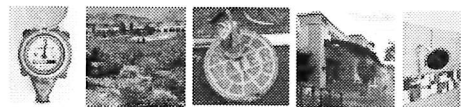


The Plan details SNWA's focus on policy, pricing, education and incentives—it also prioritizes consumptive water use reduction.



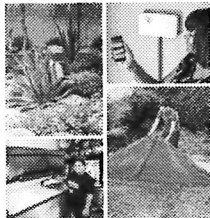
The Plan describes current water management measures.

- | | |
|--------------------------------|----------------------------|
| Universal metering | Water waste enforcement |
| Incentive pricing and billing | Water efficiency standards |
| Water loss management | Water reuse |
| Development codes and policies | Water pressure management |



It also describes major programs and initiatives designed to help residents and businesses save water.

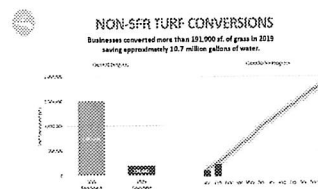
- Water Smart Landscapes program
- Water Efficient Technologies program
- Pool Cover program
- Smart Controller program
- Leak Detector program
- Site evaluations
- Indoor retrofits
- Water efficiency code enhancements



SNWA Incentive Programs

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The Plan includes program benchmarks for use in assessing annual progress.



The SNWA reports progress to the Board at regular meetings.

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It also details several new efforts that have been implemented since the last update.

- N New strategies:**
- Reduce outdoor irrigation
 - Increase water waste enforcement
 - Increase water efficiency standards
 - Expand water loss programs
 - Maximize reuse outside the Las Vegas Valley
 - Boost participation in WSL and WET programs
 - Target median/streetscape turf removal
 - Replace cool season grasses (parks/schools)
 - Offer rebates for leak detection
 - Offer site appraisals to high water users



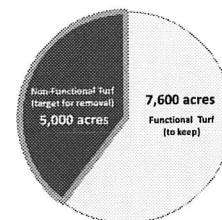
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Removing the remaining non-functional turf in our community will require continued investment.



Estimated Cost: \$650 million

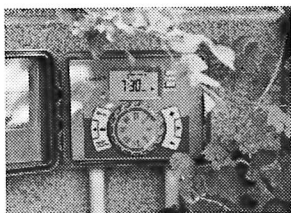
Projected Savings: 12 billion gallons/37,000 acre-feet



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Improving compliance with watering restrictions remains a priority.

Improving seasonal landscape watering compliance by 15% is projected to yield approximately 19,500 acre-feet of water.



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The Plan also describes education and outreach efforts.

Advertising, Publications & Media

- Television, print & radio
- Interactive website (snwa.com)
- Water Ways
- Videos and multimedia
- Social media

Education, Engagement & Support

- WaterSmart Innovations
- Youth education & school grants
- Conservation Helpline
- Classes and community events
- Demonstration gardens

Community Partnerships

- Water Smart Home
- Water Smart Contractor
- Water Conservation Coalition
- Water Upon Request
- WaterStart Partner



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