

**LAS VEGAS VALLEY WATER DISTRICT
BOARD OF DIRECTORS MEETING
JULY 6, 2021
MINUTES**

CALL TO ORDER 9:02 a.m., Commission Chambers, Clark County Government Center,
500 South Grand Central Parkway, Las Vegas, Nevada

DIRECTORS PRESENT: Jim Gibson, Vice President
William McCurdy II
Ross Miller
Michael Naft
Tick Segerblom

DIRECTORS ABSENT: Marilyn Kirkpatrick, President
Justin Jones

STAFF PRESENT John Entsminger, Dave Johnson and Greg Walch

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

COMMENTS BY THE GENERAL PUBLIC

For full public comment, visit www.lvwwd.com/apps/agenda/lvwwd/index.cfm

Ed Uehling, Las Vegas, spoke on his personal history with Lake Mead. He also provided a handout to the Board with comments on a presentation given at the prior month's meeting. His handout is attached to these minutes.

ITEM NO.

1. Approval of Agenda & Minutes

FINAL ACTION: A motion was made by Director Naft to approve the agenda and the minutes from the regular meeting of June 1, 2021. The motion was approved.

CONSENT AGENDA Items 2 – 3 are routine and can be taken in one motion unless a Director requests that an item be taken separately.

2. Approve and authorize the General Manager to sign an amended and restated agreement between C.A. Group, Inc., and the District to provide professional services for Las Vegas Boulevard Improvements, Phase I for an increased amount of \$15,000, resulting in a total amount not to exceed \$436,935.

3. Approve an oversized main extension agreement between Century Communities of Nevada, LLC, and the District for pipeline oversizing within the 2745 Pressure Zone for an amount not to exceed \$134,046.

FINAL ACTION: A motion was made by Director McCurdy to approve staff's recommendations. The motion was approved.

BUSINESS AGENDA

4. Award a contract to construct the Centennial 2635 Zone Reservoir and 2745 Zone Pumping Station to MMC, Inc., for the amount of \$32,980,417, authorize a change order contingency amount not to exceed \$1,600,000, and authorize the General Manager to sign the construction agreement.

FINAL ACTION: A motion was made by Director Segerblom to award the contract. The motion was approved.

5. Reject the bid from Harber Company, Inc., dba Mountain Cascade of Nevada, and award a contract to construct the 4125 Zone Pumping Station to J.A. Tiberti Construction Company, Inc., for the amount of \$13,262,727, authorize a change order contingency amount not to exceed \$1,230,000, and authorize the General Manager to sign the construction agreement.

John Entsminger, General Manager, stated that the reason for the bid rejection was because the organization did not include a listing of subcontractors and are not responsive under NRS. He added that this facility will be completely funded by the Howard Hughes Corporation as part of the expansion of the system to serve the Summerlin area.

FINAL ACTION: A motion was made by Director Naft to approve staff's recommendations. The motion was approved.

6. **Determine that the proposed changes to the Blue Diamond Water System's Service Rules affecting service charges and water rates are not likely to impose a direct and significant economic burden upon a business or directly restrict the formation, operation or expansion of a business; consider and approve the attached Business Impact Statement; and direct staff to set a public hearing for possible adoption of the proposed changes for August 3, 2021.**

Mr. Entsminger stated that the District held multiple meetings with the Red Rock Citizens Advisory Committee, stating that the rate changes reflected in the Business Impact Statement are what were recommended by that committee. He added that the District has been operating the Blue Diamond water system since 1992 and this is the first time a rate change has been proposed. He included that even after the increase, water rates in that area will still be lower than in the Las Vegas valley.

FINAL ACTION: A motion was made by Vice President Gibson to apply a collar to the increase once CPI indexed and to set a public hearing for the August 3, 2021 meeting. The motion was approved.

COMMENTS BY THE GENERAL PUBLIC

Ed Uehling commented on the accuracy of the Blue Diamond Business Impact Statement. He also commented on item #5, stating that higher elevations and the need for pumping water should lead to higher water rates for those users.

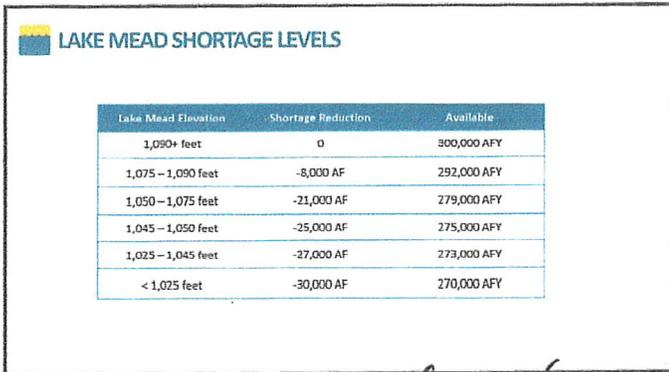
David Millette, 5532 Cleary Court, spoke on the history of the drought in the western U.S. and his research on the subject over the past 20 years. He concluded his remarks by asking about long-term and future planning for the water supply.

Steve Strehlow, 4374 Sun Vista Drive, commented on world issues and racism in Clark County.

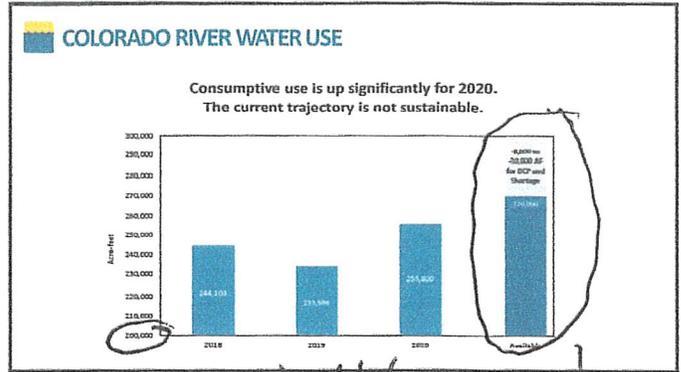
Adjournment

There being no further business to come before the board, the meeting adjourned at 9:25 a.m.

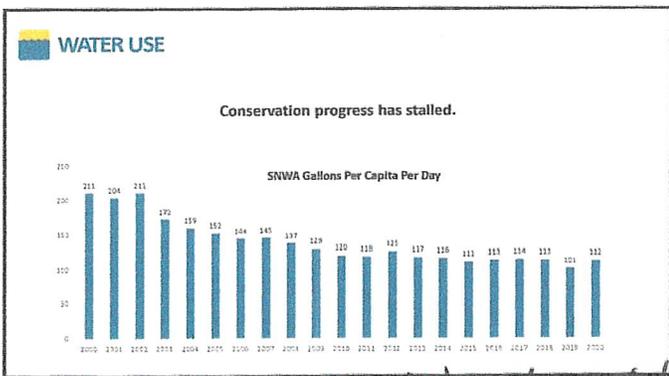
Copies of all original agenda items and minutes, including all attachments, are on file in the General Manager's office at the Las Vegas Valley Water District, 1001 South Valley View Boulevard, Las Vegas, Nevada.



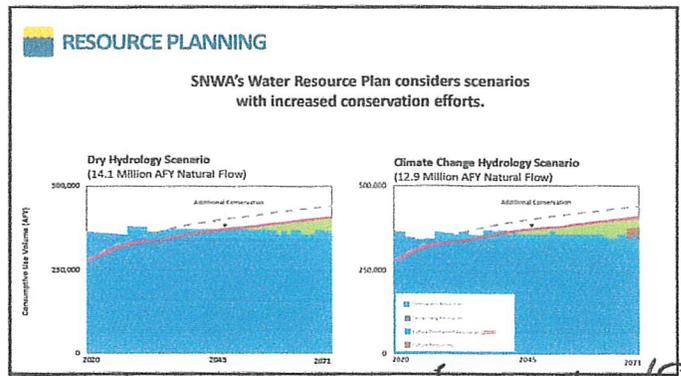
7 Shows insignificant effects of SN use.



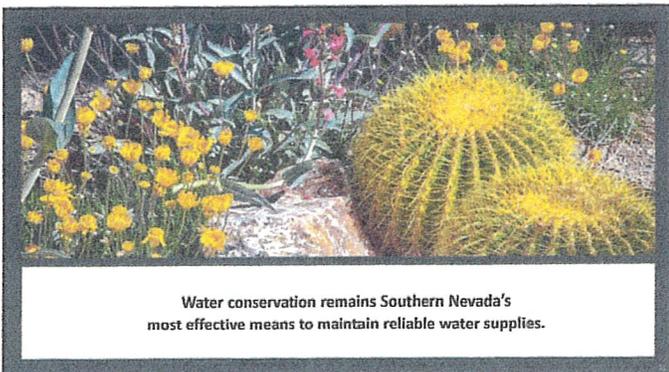
8 Chicken Little graph



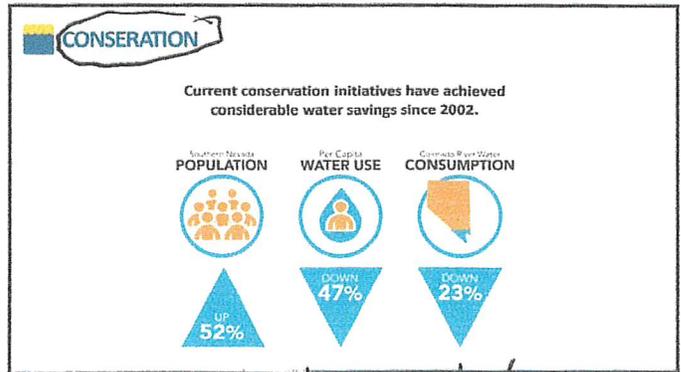
9, Meaningless statistic b/c it includes both consumption + use. Used water = free money to LVUWD



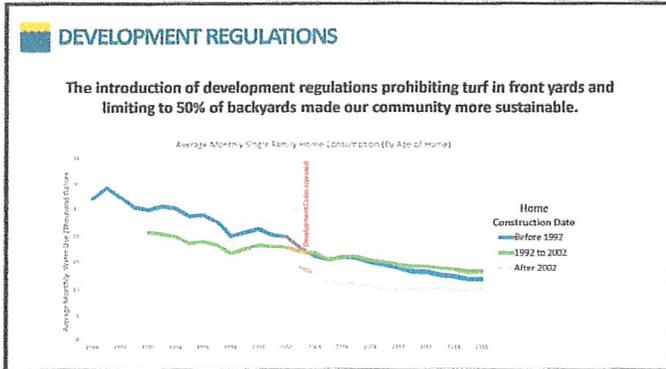
10 Valuable graph: 2 M af problem caused by farming stupidities in CA & AZ



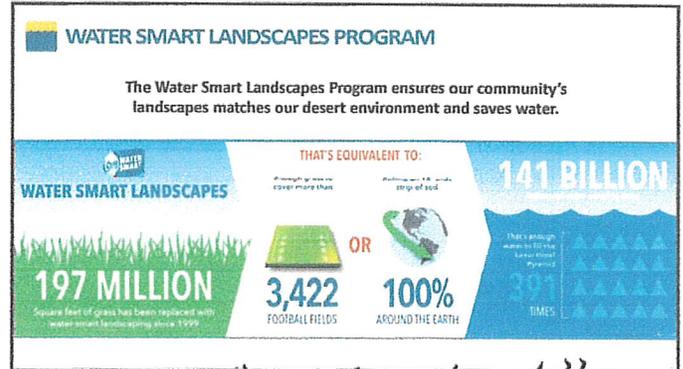
11



12 Great but cost being paid by people living in old neighborhoods for benefit of new



13



14 Creating "heat island" on eastside that will cost billions to solve in future. Purpose today is to foment sprawl (wasteful) development on westside

WATER WASTE

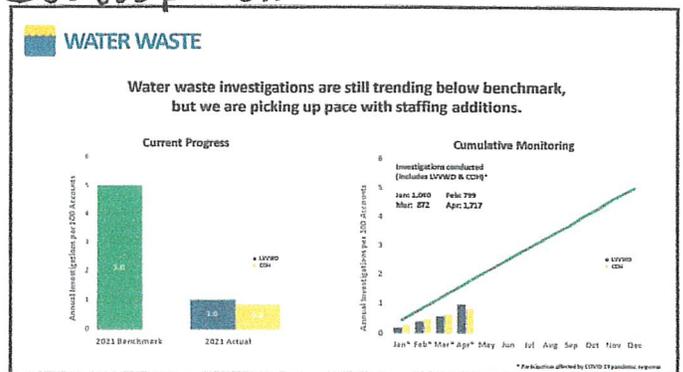
Water waste enforcement reinforces conservation restrictions to our customers.

LVVWD maintains 10 full-time employees providing 24/7 coverage of service area.

YTD Figures*:

- 4,537 investigations
- 1,763 formal notices issued
- \$113,120 fees assessed

* Info current as of May 15



15 113,000 is a little over half the average salary of one of the 1500-1800 employees of the district

16 And they want to hire still more people!

WATERING RESTRICTIONS

Mandatory watering restrictions ensure water is used efficiently.

An overall improvement in compliance of 15% could yield an estimated 16,000 acre-feet (5 billion gallons) per year of water savings.

17 Yes let's blame and beat up the customers for the last 16,000 acre-ft so we can fill the 36 inch new pipe for the houses & fill all those new swimming pools!

REBATES & INCENTIVES

Incentives reduce the cost of being more efficient.

- SMART IRRIGATION CONTROLLER REBATE**: \$100 or 50% off purchase price (whichever less)
- WATER SMART CAR WASH COUPONS**: Dollars off car washes throughout the valley
- SMART LEAK DETECTOR REBATE**: \$200 or 50% off purchase price (whichever less)
- INDOOR WATER AND RETROFIT KITS**: Free kits available to test efficiency of fixtures

18 Good & money lose

BUSINESS INCENTIVES

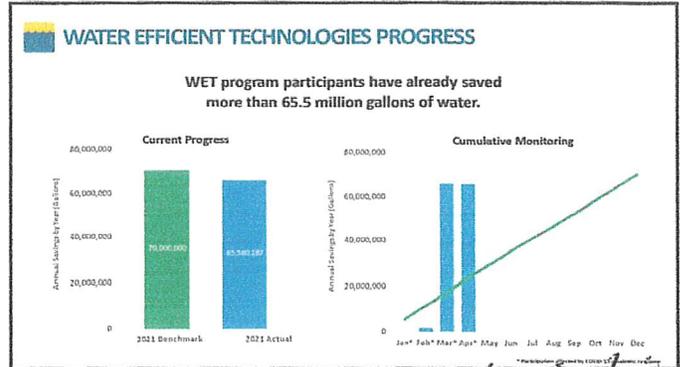
Businesses can reduce water use while saving money through SNWA Conservation programs.



The Water Efficient Technologies program offers rebates to businesses who install water-efficient devices and technologies.

- Cooling tower retrofits
- Sport field conversions
- Custom technology incentives

Handwritten note: Dangerous & costly



19 To fill up Hughes' 36" pipe

20 More nonsense (relative) 600,000,000 gallons = 200 a/f why not change tier system, eliminate septic the problem (slide 10) is 2 million a/f

MARKETING

Marketing efforts remind customers to take action.



And no watering between 11 am - 7 pm

21 Blame the customers! 72 people work in the propaganda department \$13M in wages, how much in (misleading) ads

SHORTAGE



Impending water shortages punctuate the need to keep conserving.

22 Yes, millions for insignificant changes & crickets for 2M a/f wasted in CA & AZ growing hay.

CONSERVATION

Warming climates and an aging system adds to the challenge.

Climate Change & Aging System

Increasing consumptive water demands due to warmer temperatures, drier soils, lower precipitation, and increased system loss due to aging infrastructure.

105 GPCD Conservation Goal

Adaptive Management

Significant additional effort will be required to reduce consumptive water use to meet our conservation goal and maximize the availability of water supplies.

23

SNWA CONSERVATION STRATEGIC PLAN

The SNWA's Conservation Strategic Plan sets goals and priorities to reduce water use throughout the valley.



Consumptive Use Focus Areas:

- Non-functional turf
- New development
- Compliance with watering restrictions
- Cooling efficiency
- Leaks
- Asset Management

24 And we won't say a word about the wasteful agricultural practices in California. Maybe HWD or DWP will hire us when we "retire"!

RECOMMENDATIONS

Last fall, the SNWA Board of Directors approved recommendations from an advisory committee on conservation-related initiatives to further drive down water use in Southern Nevada.

- Reduce existing non-functional turf
- Limit future installations of cool season turf in public spaces
- Implement smart controller technology to automate landscape compliance
- Implement advanced metering infrastructure
- Reduce losses from evaporative cooling
- Develop a Large Water Users Policy

NON-FUNCTIONAL TURF

Unused turf is wasted water
(72 gallons per square foot used each year; 55 gallons wasted)

- Medians
- Roundabouts
- Neighborhood entries
- Pocket parks
- Front yards
- Unused back yards

Non-functional turf is aesthetic only and has no recreational value.

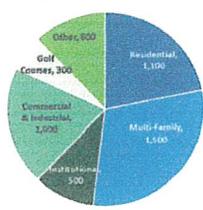


25 Rigged "advisory" committee ignored major structural issue on the River (upper basin) & precluded public comment by hiding supporting materials.

26 Prevents heat islands & declining neighborhoods.

NON-FUNCTIONAL TURF

A new law passed during the 81st Legislative Session prohibits our community's water supplies from watering existing unused grass by 2027. Single family residential homes excluded.



REMAINING NON-FUNCTIONAL TURF: 5,000 acres (218 million sq. ft)

POTENTIAL WATER SAVINGS: 12.2 billion gallons (37,400 acre-feet)

OTHER CONSERVATION EFFORTS

SEPTIC CONVERSION PROGRAM
Offering rebates for septic customers to abandon their septic systems and connect to municipal system.

ARTIFICIAL TURF INCENTIVE
Offering cash incentives to install artificial turf instead of irrigated grass for functional recreational areas.

LARGE WATER USERS POLICY
Working with member agency planning representatives to develop a policy to address potential large water users before they develop.



27 Let's ignore all the big issues & beat up everyone living on the east side

28 Large water users like hotels are great. Large water users like sprawl developers are extremely destructive -- but incentivized by LUDWA

ACHIEVING THE CONSERVATION GOAL



Per Capita Water Use (GPCD)

123.71 GPCD (Projected*)

120.90 GPCD (GENERAL TRUNC 2.8)

117.09 GPCD (DUSTING MANAGERS -3.12)

117.08 GPCD (WORKSCHEDULE TURF -0.35)

112.75 GPCD (-50% TURF REPLACEMENT -4.48)

111.61 GPCD (LARGE USER POLICY -1.09)

108.67 GPCD (REDUCING LAWN REQUIREMENTS -4.97)

104.48 GPCD (COOLING EFFICIENCY -2.23)

99.29 GPCD (+COMPLIANCE -5.21)

97.59 GPCD (+ASSET MANAGEMENT -1.7)

105 GPCD (Current Goal)

99 GPCD (Additional Conservation)

OPPORTUNITY: PARK WATER BUDGETS

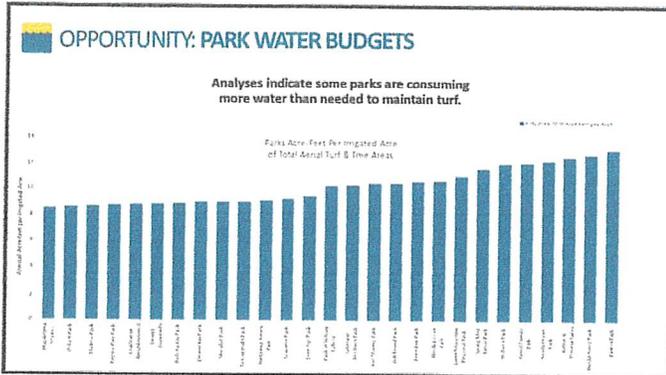
Staff is evaluating the feasibility of implementing a water budget for parks.



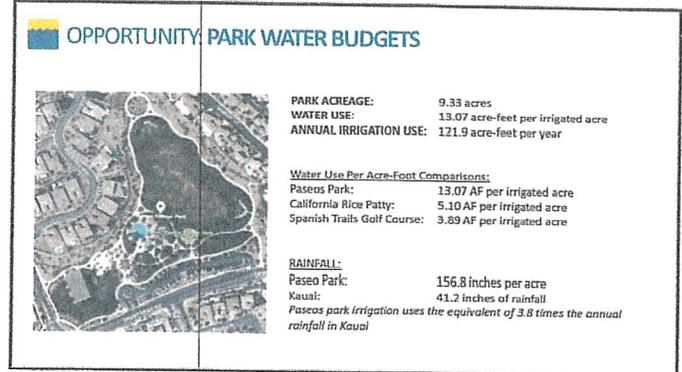
Parks Acre-Feet Per Irrigated Acre (Total Aerial Turf & Tree Areas)

29 The meaningless chart appears again - this time as a meaningless goal because it fails to distinguish indoor use & irrigation

30



31



32

OPPORTUNITY: EQUALIZING SFR WATER THRESHOLDS

A 2003 Advisory Committee recommended taking steps towards charging all residential customers the same rate for the same amount of water used, regardless of meter size.

Meter Size	Tier 1 Volume (1,000 Gallons)	Tier 2 Volume (1,000 Gallons)	Tier 3 Volume (1,000 Gallons)	Tier 4 Volume (1,000 Gallons)	Monthly Service Charge
Rate Per 1,000 Gal	\$1.34	\$2.39	\$3.55	\$5.27	
5/8"	0-5	5.01-10	10.01-20	>20	\$11.57
3/4"	0-6.8	6.81-13.5	13.51-27	>27	\$13.32
1"	0-10.1	10.11-20.32	20.33-57.5	>57.5	\$16.82
1.5"	0-18.6	18.61-37.2	37.21-175.7	>175.7	\$25.58
2"	0-28.71	28.72-57.43	57.44-385.26	>385.26	\$36.10

33 Unaware of this; first time I hear about it, why does LVWD refuse to continue tiers to punish excessive ~~use~~ outdoor use? Is it because those users are rich?

Some people use 300 -- they are not just drinking, washing dishes, & bathing!

OPPORTUNITY: EVALUATE NON-SFR TIERS

Meter Size	Tier 1 Volume (\$1.34/Kg)	Tier 2 Volume (\$2.39/Kg)	Tier 3 Volume (\$3.55/Kg)	Tier 4 Volume (\$5.27/Kg)	Monthly Service Charge
1"	0-12.5 Kgl	12.51-25 Kgl	25.01-75 Kgl	>75 Kgl	\$16.82
1.5"	0-25 Kgl	25.01-50 Kgl	50.01-250 Kgl	>250 Kgl	\$25.58
2"	0-40 Kgl	40.01-80 Kgl	80.01-560 Kgl	>560 Kgl	\$36.10
3"	0-80 Kgl	80.01-160 Kgl	160.01-1,440 Kgl	>1,440 Kgl	\$64.15
4"	0-125 Kgl	125.01-250 Kgl	250.01-4,000 Kgl	>4,000 Kgl	\$95.70
6"	0-250 Kgl	250.01-500 Kgl	500.01-12,500 Kgl	>12,500 Kgl	183.34
8"	0-400 Kgl	400.01-800 Kgl	800.01-24,000 Kgl	>24,000 Kgl	288.51
10"	0-575 Kgl	575.01-1,150 Kgl	1,150.01-40,250 Kgl	>40,250 Kgl	411.20
12"	0-850 Kgl	850.01-1,700 Kgl	1,700.01-59,500 Kgl	>59,500 Kgl	604.01

34 Charges should be based on "households" not pipe sizes, the current system charges SFR dwellers \$12 & apart dwellers \$35 for the basic consumption/household of 10,000 gallons/month

CURRENT PRIORITIES

Continue to drive down water use:

- Convert non-functional turf / destroy neighborhood
- Make new development as efficient as possible / by charging tiers?
- Ensure all wastewater is returned to Lake Mead
- Adhere to the watering schedule / arbitrary
- Address water waste / as long as it doesn't affect future

35 job prospects

LAS VEGAS VALLEY WATER DISTRICT

36