

000009

REQUEST FOR COUNCIL ACTION
CITY OF SAN DIEGO

1. CERTIFICATE NUMBER 603
(FOR AUDITOR'S USE ONL) 7/18

Council President Peters

FROM (ORIGINATING DEPARTMENT):
Water Department

3. DATE:
7/3/2007

4. SUBJECT:
Informational Presentation by the San Diego County Water Authority on Various Imported-water Related Issues

5. PRIMARY CONTACT (NAME, PHONE & MAIL STA.) JIM BARRETT, WATER DIRECTOR (619.533.7555)
6. SECONDARY CONTACT (NAME, PHONE & MAIL STA.) ALEX RUIZ, ASST WATER DIR 619.533.6692
7. CHECK BOX IF REPORT TO COUNCIL IS ATTACHED

8. COMPLETE FOR ACCOUNTING PURPOSES

FUND	41500		
DEPT.	760		
ORGANIZATION	010		
OBJECT ACCOUNT			
JOB ORDER			
C.I.P. NUMBER			
AMOUNT	\$0.00		

8. ADDITIONAL INFORMATION / ESTIMATED COST:
This is an informational item only.

10. ROUTING AND APPROVALS

ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED	ROUTE (#)	APPROVING AUTHORITY	APPROVAL SIGNATURE	DATE SIGNED
1	ORIGINATING DEPARTMENT	<i>[Signature]</i>	7/5/07	8	DEPUTY CHIEF	<i>[Signature]</i>	7/5/07
2	EAS	N/A		9	COO	N/A	
3	-			10	CITY ATTORNEY		
4	LIAISON OFFICE			11	ORIGINATING DEPARTMENT		
5	-			DOCKET COORD: _____ COUNCIL LIAISON: _____			
6	-			<input checked="" type="checkbox"/> COUNCIL PRESIDENT <input type="checkbox"/> SPOB <input type="checkbox"/> CONSENT <input checked="" type="checkbox"/> ADOPTION <i>[Signature]</i> <input type="checkbox"/> REFER TO: _____ COUNCIL DATE: 7/18/07			
7	-						

11. PREPARATION OF: RESOLUTION(S) ORDINANCE(S) AGREEMENT(S) DEED(S)
Request that an item be included on the agenda for the Special Council meeting of 7/18/07 entitled: Informational Presentation by the San Diego County Water Authority on Various Imported-Water Related Issues

11A. STAFF RECOMMENDATIONS:
Accept the Report

12. SPECIAL CONDITIONS:
COUNCIL DISTRICT(S): ALL
COMMUNITY AREA(S): ALL COMMUNITIES SERVED BY CITY SAN DIEGO WATER DEPT
ENVIRONMENTAL IMPACT: THIS IS NOT A "PROJECT" AND IS THEREFORE NOT SUBJECT TO CEQA PURSUANT TO STATE CEQA GUIDELINE SECTION 15060(C)(2)
HOUSING IMPACT: N/A
OTHER ISSUES: N/A

000011

EXECUTIVE SUMMARY SHEET
CITY OF SAN DIEGO

DATE ISSUED: July 3, 2007 REPORT NO: N/A
ATTENTION: Special City Council Meeting,
Docket of July 18, 2007
ORIGINATING DEPARTMENT: Water Department
SUBJECT: Informational Presentation by the San Diego County Water
Authority on Various Imported Water Related Issues -
Reliability of Imported Water Supplies
COUNCIL DISTRICTS: All
CONTACT/PHONE NUMBER: Jim Barrett, Water Department Director (619) 533-7555

REQUESTED ACTION: This is an informational item. No action is required.

STAFF RECOMMENDATION: Accept the report.

EXECUTIVE SUMMARY: Over 18 million people in Southern California rely on imported water supplies from the Colorado River and Northern California to augment local water supplies at levels sufficient to meet demands. The Colorado River is stressed by the eighth year of continued drought conditions that have eliminated surplus deliveries to our region since 2003, effectively cutting the Southcoast's Colorado River deliveries in half to 696,000 acre-feet per year (AFY). (An acre-foot of water is roughly 326,000 gallons and considered to be enough water for two families of four for one year.) Last year's (2006) Sierra snowpack (in Northern California) was exceptionally good, resulting in State Water Project (SWP) deliveries at 100% allocation levels for the first time in history. State and local reservoirs (surface and groundwater) were replenished to the extent possible. However, the amount of storage available to the SWP system is limited in contrast to maximum delivery amounts of slightly more than 4 million acre-feet a year (MAFY).

Since 2003, the SWP has been the primary source of imported water available to the Metropolitan Water District of Southern California (MWD). The natural annual fluctuations in SWP water supplies can be dramatic as illustrated by the difference of deliveries made available in 2006 (100%) and 2007 (60%). Compounding current SWP reliability is the unexpected recent 10-day shutoff of the Banks Pumping Facilities in early June, protecting the threatened fish known as the Delta smelt that had congregated near the pumps. Environmental concerns continue to escalate and impact water export schedules. Since July 1st, the SWP pumps are once again on and being operated at full capacity to export maximum SWP supplies and make up for the earlier loss.

Exacerbating the water reliability situation further, in 2006 the Southland experienced its driest year on record. Diminished local rainfall levels will result in higher than normal demands for imported water. Additionally, the Los Angeles Department of Water and Power will look to MWD for additional supplies of 250,000 AF or more in 2007 to bridge the gap of supplies not available from the Owens Valley, also due to poor Sierra snowpack last winter.

MWD has indicated that it has sufficient water supplies in storage to sustain two more years of a supply/demand scenario similar to that of 2007 *with enhanced conservation efforts beginning*

now. By as early as 2010, Metropolitan's reserves will be fully withdrawn unless additional supplies are secured to replenish them. MWD hopes to have an allocation formula for water deliveries established by the end of 2007.

San Diego has joined the MWD in calling for voluntary water conservation efforts. Mayor Jerry Sanders kicked off the region's "20 Gallon Challenge" with a press conference June 27th at the Water Authority's headquarters. Los Angeles' Mayor Villagairosa has similarly called for voluntary conservation of 10% of each ratepayer's typical consumption.

In San Diego County (not city of San Diego), more than 10% of water sales are to agricultural customers. Many of these customers have enrolled in an MWD program offering a reduced rate for their water supplies with the understanding that during drought conditions their water supplies could be reduced by 30% before any cuts are made to Municipal and Industrial deliveries. MWD has already put a call on these interruptible supplies to take effect January 2008, if supply conditions do not dramatically improve. Additionally, MWD is actively pursuing spot water transfers to augment local supplies and has discontinued replenishment deliveries.

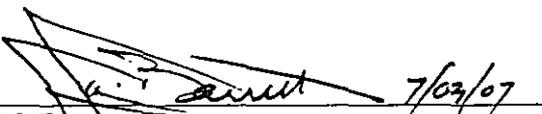
The Water Authority continues benefiting from its landmark water transfer agreement with the Imperial Irrigation District. In 2007, the Water Authority will receive 50,000 AF of dedicated water supplies per the terms of the water transfer agreement. In 2008 and 2009, the Water Authority will receive 60,000 and 70,000 AFY, respectively, of highly reliable Colorado River supplies. Additionally, by 2008 the Water Authority expects to complete the lining of the All American Canal to augment the 26,000 AFY of water it already receives as a result of the lining of the Coachella Canal to a grand total of 77,800 AFY of new Colorado River supplies. These new supplies will make a great difference in meeting the San Diego region's demands of approximately 650,000 AFY of imported water.

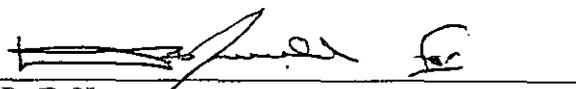
FISCAL CONSIDERATIONS: Future imported and local water rates may be higher than forecasted in order to address current water supply reliability issues.

PREVIOUS COUNCIL and/or COMMITTEE ACTION: N/A

COMMUNITY PARTICIPATION AND PUBLIC OUTREACH EFFORTS: The Water Authority launched its "20 Gallon Challenge" June 27, 2007 throughout the San Diego region. A copy of the Water Authority's conservation tip sheet is attached.

KEY STAKEHOLDERS AND PROJECTED IMPACTS: San Diego County Water Authority, the Metropolitan Water District, the State Water Project Contractors and the various water agencies throughout Southern California.


 J. M. Barrett
 Water Department Director


 R. F. Haas
 Deputy Chief of Public Works

Attachment 1: San Diego County Water Authority conservation tip sheet

000013



San Diego County Water Authority

Every Drop Counts!

WATER CONSERVATION IS MORE IMPORTANT THAN EVER.

FACT SHEET

The 20-Gallon Challenge Save Water Now

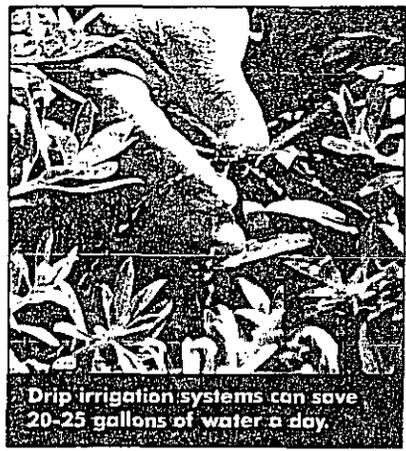
Conservation has been a way of life in San Diego County for many years, but it's especially important now. Historic dry conditions in California, coupled with potential legal and regulatory constraints on the State Water Project (which provides 40 percent of San Diego County's water), make it essential for residents and businesses to increase conservation immediately.

The good news is, you CAN help by taking on the 20-Gallon Challenge! If every person can save 20 gallons of water a day, that will significantly help the region by allowing more water to stay in storage to meet future demands. And saving water is easier than you might think. A few

simple changes can make a big difference in your water usage.

Keep in mind that 60 percent of urban water use in San Diego is spent on landscape irrigation and other outdoor purposes, so make sure you think inside AND outside to maximize water savings.

For ideas on how to save water in and around your home, look at the tips on this flier, visit www.sdcwa.org, or contact your local water supplier.



Drip irrigation systems can save 20-25 gallons of water a day.

The Water Authority is a public agency serving the San Diego region as a wholesale supplier of water. The Water Authority works through its 24 member agencies to provide a safe, reliable water supply to support the region's \$150 billion economy and the quality of life of 3 million residents.

INDOOR TIPS FOR RESIDENTS

TIP LEGEND	No cost - Easy to do	Low cost - More effort required	Higher cost - Most effort required
Conservation Tip			
Run the dishwasher only when full			
Don't leave water running when rinsing dishes			
Turn off water when brushing teeth			
Shorten showers			
Don't use the toilet as a wastebasket			
Wash only full loads of clothes			
Fix leaky toilets			
Fix leaky faucets			
Install aerators with flow restrictors on kitchen/bathroom faucets			
Replace older, inefficient clothes washers (For information, on \$17.5 Water Authority/SDG&E vouchers, call 800-986-4538.)			
Replace older, high-volume flushing toilets			

For information on water wasted due to leaks, visit the WaterWiser Drip Calculator at <http://www.awwa.org/advocacy/learn/conserv/dripcalc.cfm>

FACT SHEET

OUTDOOR TIPS FOR RESIDENTS

TIP LEGEND

No cost - Easy to do

Low cost - More effort required

Higher cost - Most effort required

Landscape Irrigation

Conservation Tip

Water only before 6 a.m. and after 8 p.m. to reduce evaporation and interference from wind.

Estimated Savings

20-25 gallons per day

Don't overwater!

- 1) Reduce each irrigation cycle by 1-3 minutes, or eliminate one irrigation cycle per week. Use the landscape calculator <http://apps.sandiego.gov/landcalc> and watering index at <http://www.bewaterwise.com/>. Also check out www.sandiego.gov/water/conservation to learn how much to water.

15-25 gallons per minute; up to 250 gallons per cycle

- 2) Water only after the top inch of soil is dry.

- 3) Reset irrigation controllers and replace batteries in the spring and fall.

Adjust sprinklers to prevent overspray and runoff.

15-25 gallons per day

Repair leaks and broken sprinkler heads.

20 gallons per day per leak

Add 2" to 3" of mulch around trees & plants to reduce evaporation

20-30 gallons per day per 1,000 sq. ft.

Install water-efficient drip irrigation system for trees, shrubs and flowers to get water to the plants' roots more efficiently.

20-25 gallons per day

Upgrade to a smart irrigation controller that automatically adjusts watering times for hotter weather and shuts down the system when it rains.

40 gallons per day

Replace a portion of lawn with beautiful native and California-friendly plants. **NOTE: These plants do best when planted after winter rains begin.** For great examples visit the Water Conservation Garden at www.thegarden.org and check out landscapecontest.com.

33-60 gallons per day per 1,000 sq. ft. depending on climate.

Other Outdoor Ideas

Conservation Tip

Use a broom instead of a hose to clean driveways and sidewalks.

Estimated Savings

20 gallons per minute

Adjust your pressure reducer (if you have one) to keep pressure between 40 and 60 p.s.i.

Varies

Don't leave the hose running while washing your car. Get a self-closing nozzle for your hose.

20 gallons per minute

Repair any leaks around pool and spa pumps.

20 gallons per day per leak

Repair leaking hose bibs.

15-20 gallons per day per leak

Install covers on pool and spas to reduce evaporation.

30 gallons per day

Install pressure reducer if your pressure is greater than 80 p.s.i.

Varies



San Diego County Water Authority

4677 Overland Ave.
San Diego, CA
921-23-1233
(858) 522-6700
www.sdcwa.org

For additional water conservation information visit the following web sites:
www.bewaterwise.com and www.h2ouse.org

For commercial and industrial water conservation tips, visit www.sdcwa.org