



Urban Runoff Optimization Study

Project No. PS21-06

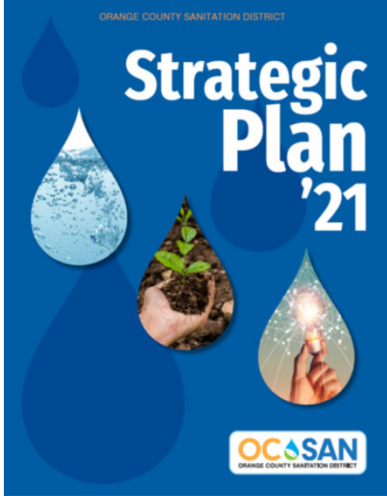
Presented by:
Cindy Murra,
Project Manager
Operations
Committee
March 1, 2023

Consultant Professional Services Award



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Environmental Water Quality, Stormwater Management, and Urban Runoff Policy



Initiatives to support Policy Goal:

- Urban Runoff
- GWRS

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Why Divert Urban Runoff?

Huntington Beach

Newport Beach

- Bacteria
- Selenium

Google Earth

Google Data ©SUNMI/SFMI, CA OPC, Data USGS, Landsat / Comenius

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Urban Runoff Program at a Glance

ANAHEIM BAY - HUNTINGTON HARBOUR WATERSHED

GARDEN GROVE

WESTMINSTER

FOUNTAIN VALLEY

SANTA ANA RIVER WATERSHED

HUNTINGTON BEACH

SANTA ANA

TUSTIN

IRVINE

NEWPORT BAY WATERSHED

COSTA MESA

NEWPORT BEACH

NEWPORT COASTAL WATERSHED

10
MGD Cap

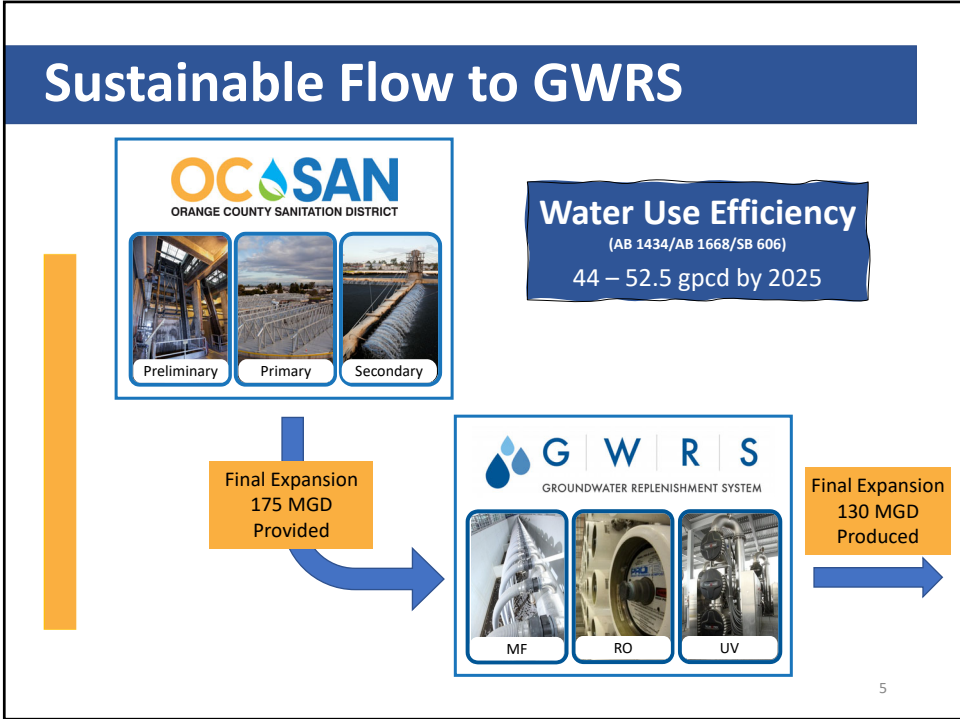
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MGD Subscribed

<2
MGD Average Flow

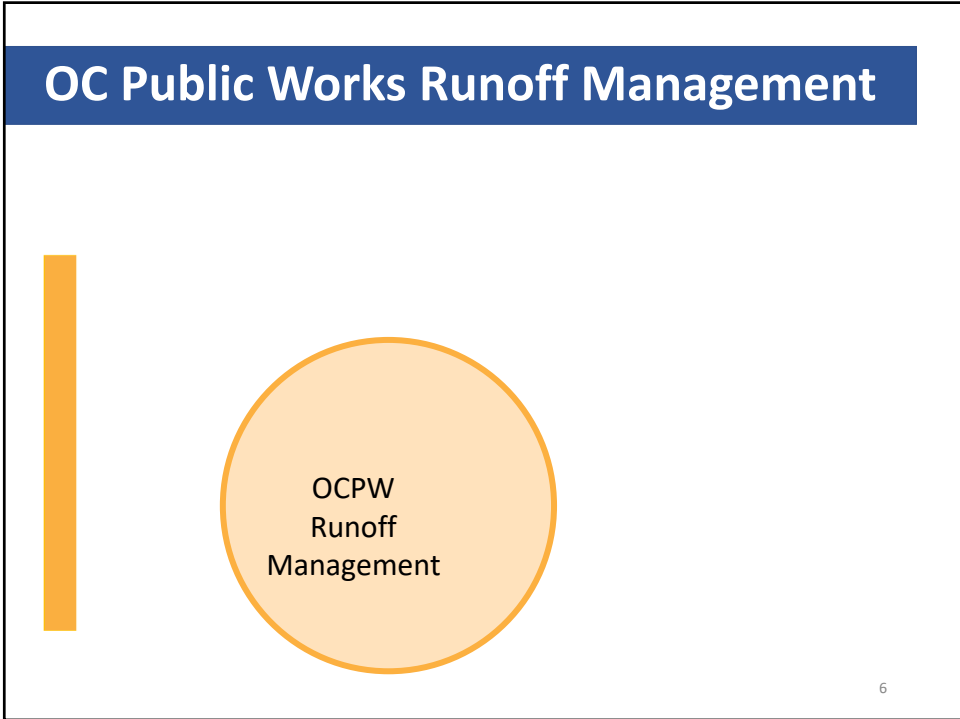
Urban Runoff Diversions

- no longer permitted
- pending - not yet permitted
- permitted

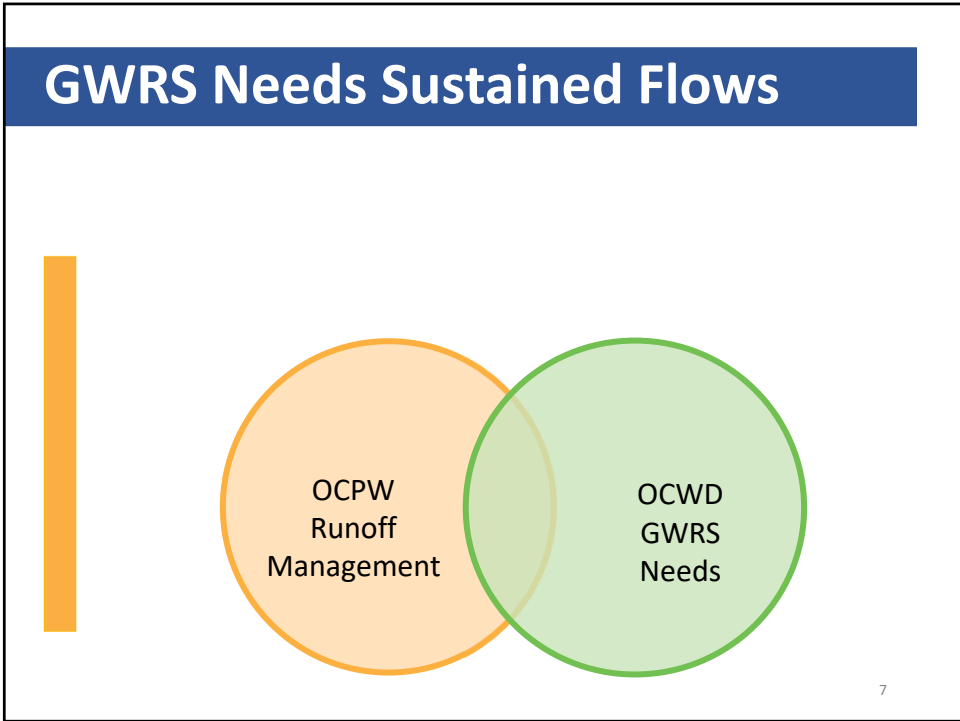
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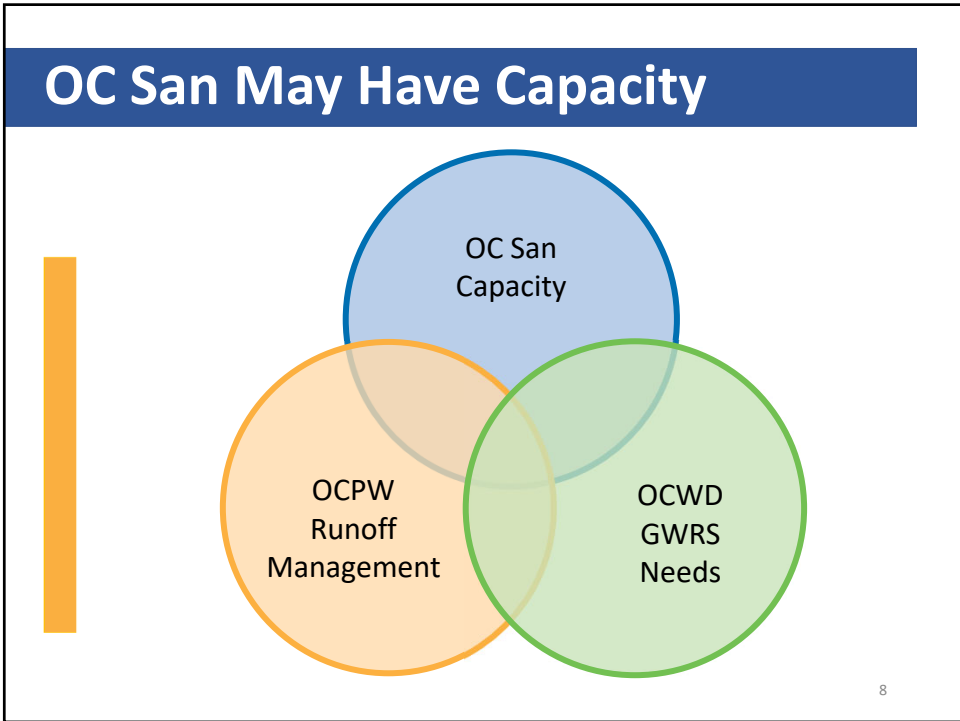
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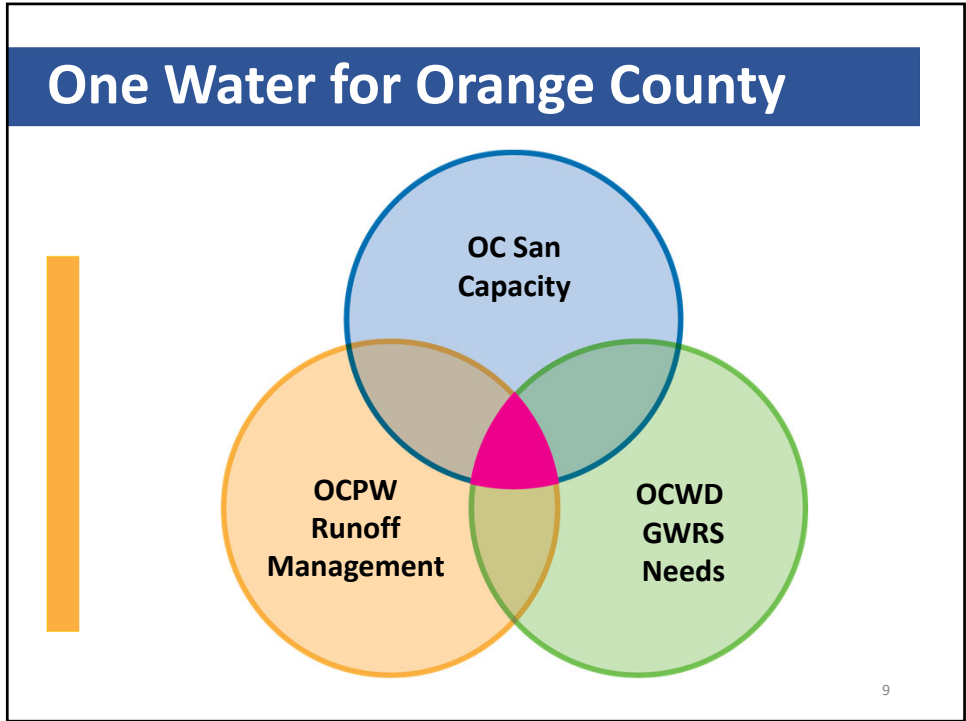
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Urban Runoff Optimization Study

OC SAN
ORANGE COUNTY SANITATION DISTRICT

+

+

OC Public Works

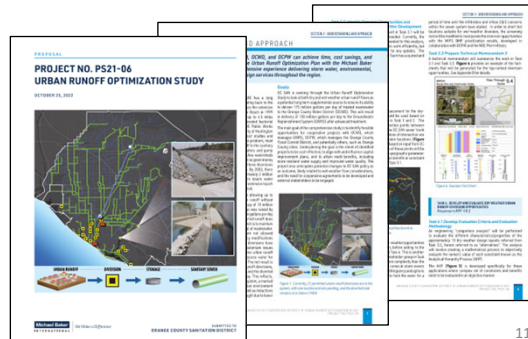
OBJECTIVES

- Identify feasible opportunities for dry and wet weather urban runoff diversions to OC San and OCWD
- Improve Water Quality
- Optimize Water Recycling
- Optimize existing capacity of OC San and OCWD infrastructure

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Selection Process

- Four proposals received
- Interviews conducted with three firms
- Michael Baker International, Inc. selected
 - ✓ Experience with Orange County storm drain and flood control systems
 - ✓ Deep understanding of OC San’s current Dry Weather Urban Runoff Program.



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Negotiations

	Original Proposal	Negotiated
Total Hours	3,517	3,635
Total Fee	\$710,475	\$711,230

- Increased existing diversions optimization effort.
- Reduced hours for the evaluation of OC San and OCWD flow need and treatment capacity.
- Reduced hours for meetings and workshops.

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Recommendation

Recommend to the Board of Directors to:

- A. Find that the Urban Runoff Optimization Study, Project No. PS21-06 is exempt from CEQA under the statutory exemptions set forth in California Code of Regulations Section 15262 and authorize staff to file a Notice of Exemption with the OC Clerk-Recorder;
- B. Approve a Professional Services Agreement with Michael Baker International, Inc. to provide engineering services for the Urban Runoff Optimization Study, Project No. PS21-06, for an amount not to exceed \$711,230; and
- C. Approve a contingency of \$71,123 (10%).

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Questions



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