



Update on the North Bay Water Reuse Program

Keith Caldwell, Napa Supervisor and NBWRA Board member

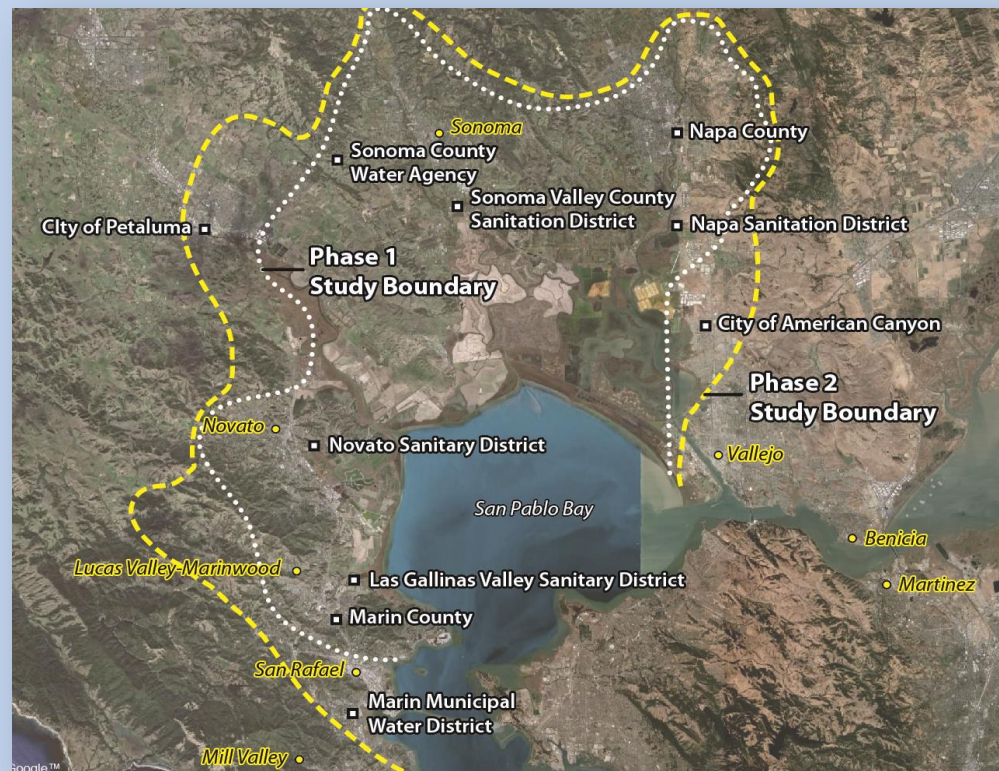
North Bay Watershed Association
November 6, 2015



NORTH BAY WATER REUSE PROGRAM
Water Supply Reliability through Regional Reuse

The North Bay Water Reuse Authority

- Marin, Sonoma and Napa Counties
- North Marin Water District
- Marin Municipal Water District
- Sonoma County Water Agency
- Sonoma Valley County Sanitation District
- Novato Sanitary District
- Las Gallinas Valley Sanitary District
- Napa Sanitation District
- City of Petaluma
- American Canyon



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Our Approach: Economies of Scale

- Regional Program comprised of member agencies projects
- Conduct studies from a watershed perspective detailing both project specific and programmatic benefits
- Agencies share costs for planning, engineering and environmental studies they could not afford to conduct on their own



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Our Approach: Economies of Scale con't.

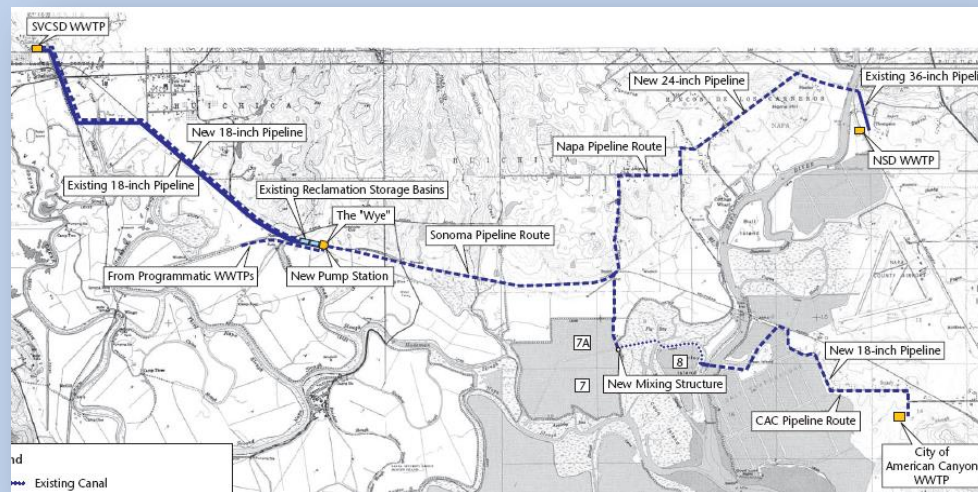
- Agencies share costs for Program Development, Federal and State Advocates and have access to expertise often beyond the reach of small districts
- Members share Program costs but implement their own projects and in turn, incrementally contribute toward regional supply reliability



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Our Approach: Multiple Benefits

- 💧 The Program develops recycled water to off-set potable demands and meet diverse needs of the region; urban, agricultural and environmental
- 💧 Through thoughtful design we often serve several of these users in one project; we call this the multi-benefit approach
- 💧 This approach is consistent with and supported by the Federal and State agencies we partner with for project implementation



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Program Partners and Funding to Date

- 💧 The Members Agencies have invested \$71 million in their projects
- 💧 The US Bureau of Reclamation has been a key partner:
 - Provided 50% cost-share for Phase 1 studies totaling \$3 million
 - Provided \$25 million for Phase 1 construction
- 💧 State of California Department of Water Resources:
 - Provided \$8 million for projects in State Proposition's 50 and 84 grants (water bonds)





Planning for Phase 2

- 💧 Phase 2 takes a broader, One-Water approach
- 💧 Identified an additional 25,000 AFY of recycled water that can be captured, stored and put to use
- 💧 Planning studies are underway that have identified multiple projects valued at \$150 million:
 - Treatment upgrades
 - Storage and conveyance
 - Surface and groundwater management
 - High-water flow capture and management
 - Protection from sea-level rise and habitat restoration





Projects Have Diversified

Phase 1

- 💧 Treatment
- 💧 Pumping
- 💧 Distribution
- 💧 Operation Storage
- 💧 Environmental Enhancement

Phase 2

- 💧 Treatment
- 💧 Pumping
- 💧 Distribution
- 💧 Operation Storage
- 💧 Environmental Enhancement
- 💧 Large Seasonal Storage
- 💧 Groundwater Management





Phase 2 Implementation



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Re-ACT: Tools to Fund Project Implementation

- 💧 Proposed legislation in S. 1894
 - The RIFIA Loan Program
 - Transfer of Title Authority
 - New Grants for Small-scale Storage, Integrated Water
 - Leveraging Grants and Loans
 - Deauthorization and How to Fund the Tools





Getting the RE-Act Word Out

- 💧 Watch and convey varying opinions regarding evolving legislative language on Senate and House bills
- 💧 Cultivating support through **Website**, **Facebook** and **Twitter** updates
- 💧 Routinely updating an **Email** broadcast list of over 400 interested parties

westernwaterpriorities.org



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RECLAMATION EFFICIENCY ACT OF 2015

Time to RE-Act

New Tools to Fund Your Water Projects

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Western Water Priorities



An Initiative Organized by Water Managers throughout the West

A strong advocacy program in support of new federal funding assistance for water management projects across the West. We are continually updating our work in these areas and invite you to click on the items below to learn more about our efforts.

Mission Statement

To establish viable funding partnerships with the federal government to help us develop and manage water resources in response to the impacts of changing climate, population growth and aging infrastructure that threaten our long-term water supplies throughout the Western United States.

New Tools In RE-Act Could Help Fund Your Water Projects

- [The RIEA Loan Program](#)
- [Transfer of Title Authority](#)
- [New Grants for Small-scale Storage, Integrated Water](#)
- [Leveraging Grants and Loans](#)
- [Deauthorization and How to Fund the Tools](#)



WHAT'S NEW

[Guaranteed and Secured Loans](#)

See how much your project could save with the RE-Act Loan Calculator



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A Word from our Water Wonk

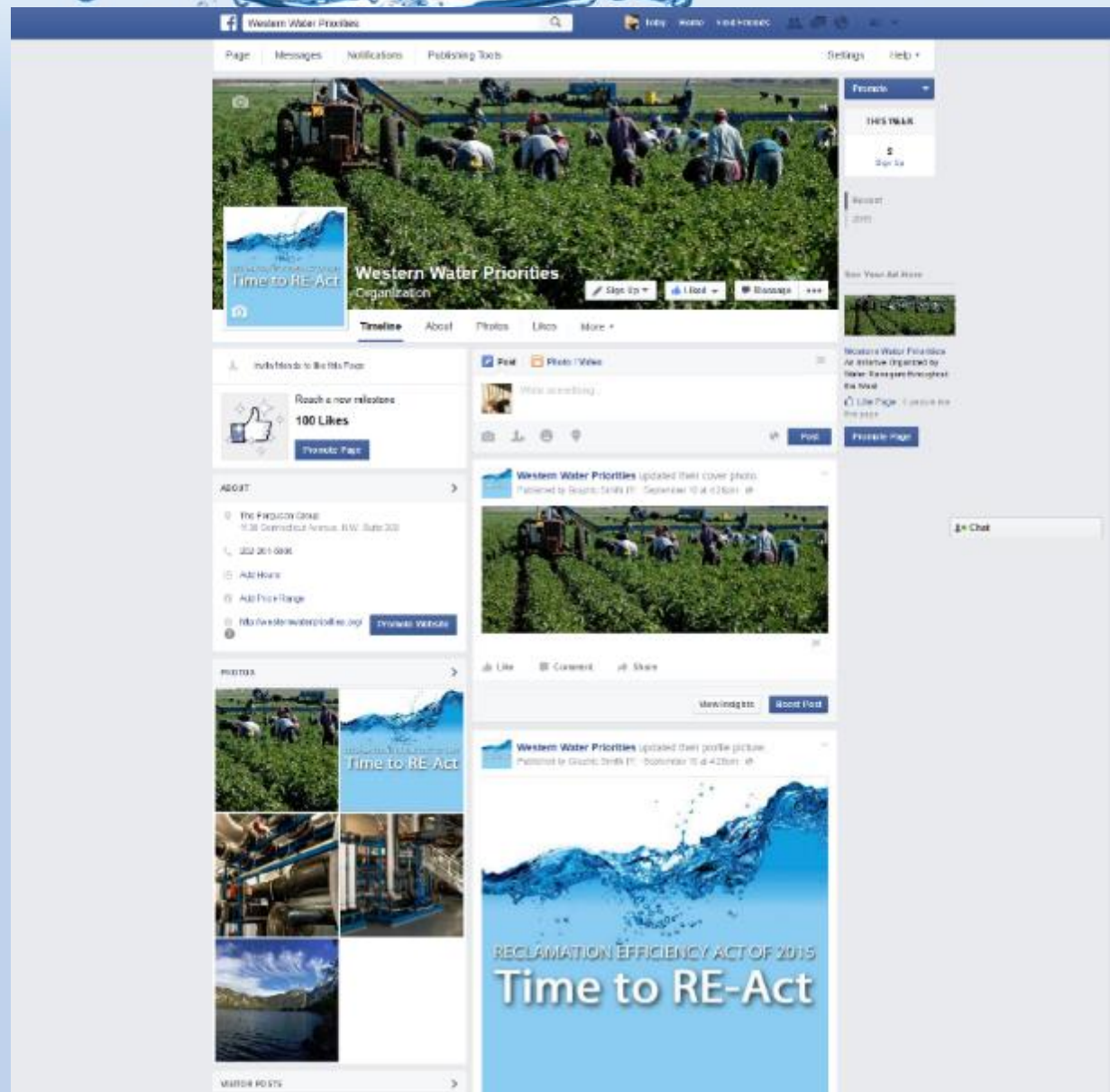
August: [Highlights from S. 1829](#)

The Senate Energy and Natural Resources Committee is expected to hold a hearing the week of October 5th on S. 1894, drought relief legislation introduced by Senators Feinstein and Boxer, H.R. 2898, drought relief legislation introduced by Rep. David Valadao and passed by the House of Representatives on July 16, 2015, as well as other drought-related legislation. S. 1894 would authorize critical federal funding opportunities important to accelerate water infrastructure investments west-wide.



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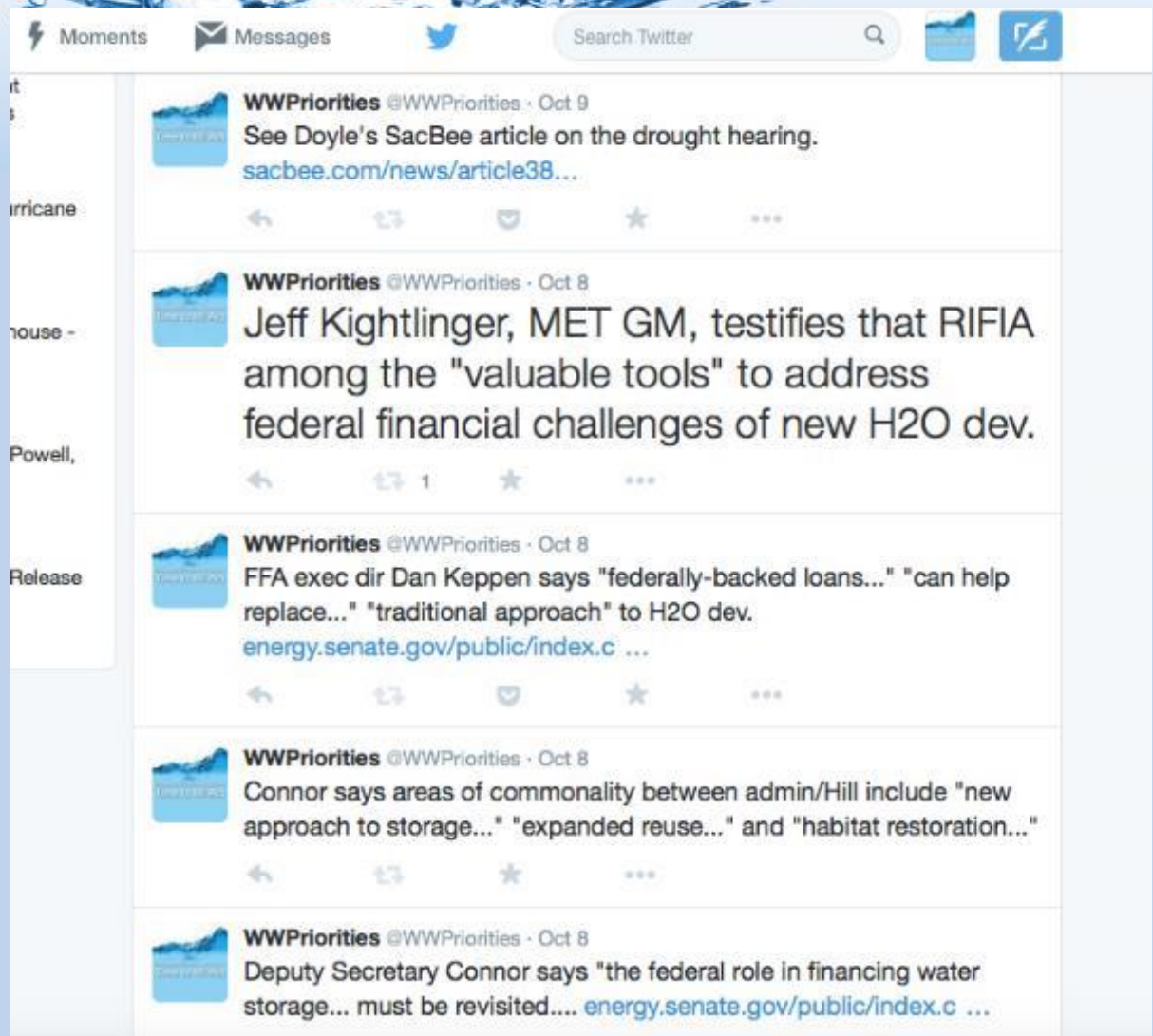
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Email Broadcasts

Why We Need Western Water Priorities

Across the West, water managers are doing their best to meet water supply demands from competing urban, agricultural and environmental interests. However, it has become increasingly difficult to meet any of these demands with outdated and aging infrastructure designed for end-users and population levels surpassed over 25 years ago. This situation has become dire in many regions, is underscored by devastating drought, and compounded by unknown effects of climate change on water supply reliability. Clearly the time is now for new flexible funding tools that recognize regional needs, support adaptive next-generation projects and the innovative solutions we need to develop and secure a reliable water supply for our future.

We are continually updating our work in these areas and invite you to learn more about our proposals and consider working with us. To learn more about Western Water Priorities visit: www.westernwaterpriorities.org.





RECLAMATION EFFICIENCY ACT OF 2015

Time to RE-Act

New Tools to Fund Your Water Projects

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Take Action

Please send a letter to The Honorable Lisa Murkowski, Chairman of the Committee on Energy and Natural Resources, and The Honorable Maria Cantwell, Ranking Member of the Committee on Energy and Natural Resources.

Use the text below on your organizations letterhead and show that you support [this legislative effort!](#) 

[Download a Word file of the following letter.](#)

[Date]

The Honorable Lisa Murkowski



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[Date]

The Honorable Lisa Murkowski
Chairman
Committee on Energy and Natural Resources
United State Senate
Washington, D.C. 20510

The Honorable Maria Cantwell
Ranking Member

Committee on Energy and Natural Resources
United State Senate
Washington, D.C. 20510

Dear Chairman Murkowski and Ranking Member Cantwell:

On behalf of _____, we urge you, as you consider the various proposals to respond to the drought, to support efforts to create a broad set of opportunities for the Bureau of Reclamation to help public agencies to better prepare for future droughts.

Specifically, we urge you to support proposals for a combination of both federally backed financing and increased grant opportunities to help non-federal agencies accelerate needed water supply infrastructure investments. We urge any drought relief authorization to include the Reclamation Infrastructure Finance and Innovation Act (RIFIA), which would provide water agencies, cities and counties access to low cost, long-term financing, reducing annual debt service repayment obligations by as much as 25 percent or more, as well as access to additional grant funding opportunities under both WaterSMART and Title XVI. With respect to WaterSMART, we urge you to broaden grant assistance under WaterSMART to include a comprehensive array of



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What is Next: Study Sessions Beyond Phase 2

This series of study sessions will look at:

- 💧 What future activities should be pursued?
- 💧 Who should be involved?
- 💧 How will the organization be funded?
- 💧 What projects will be relevant/vital?
- 💧 What funding opportunities are possible to achieve?





Questions?



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