



NOTICE OF SPECIAL MEETING WORKSHOP

DUBLIN SAN RAMON SERVICES DISTRICT
Board of Directors

TIME: 5:00 p.m.
PLACE: Dublin San Ramon Services District Boardroom
7051 Dublin Boulevard
Dublin, California

DATE: Tuesday, February 17, 2015

AGENDA

Our mission is to efficiently provide high quality wastewater and water services to the communities we serve in an environmentally and fiscally responsible manner.

BUSINESS:

REFERENCE

ACTION

1. CALL TO ORDER
2. PLEDGE TO THE FLAG
3. ROLL CALL – Members: Benson, Duarte, Halket, Howard, Vonheeder-Leopold
4. PUBLIC COMMENT (MEETING OPEN TO THE PUBLIC)

At this time those in the audience are encouraged to address the Board on any item of interest that is within the subject matter jurisdiction of the Board and not already included on tonight’s agenda. Comments should not exceed five minutes. Speakers’ cards are available from the District Secretary and should be completed and returned to the Secretary prior to addressing the Board. The President of the Board will recognize each speaker, at which time the speaker should proceed to the lectern, introduce him/herself and then proceed with his/her comment.

5. BOARD BUSINESS

A.	Long Term Alternative Water Supply Study Workshop	Engineering Services Manager	Receive Presentation & Provide Direction
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6. ADJOURNMENT

All materials made available or distributed in open session at Board or Board Committee meetings are public information and are available for inspection at the front desk of the District Office at 7051 Dublin Blvd., Dublin, during business hours, or by calling the District Secretary at (925) 828-0515. A fee may be charged for copies. District facilities and meetings comply with the Americans with Disabilities Act. If special accommodations are needed, please contact the District Secretary as soon as possible, but at least two days prior to the meeting.



Reference Engineering Services Manager	Type of Action Receive Presentation and Provide Direction	Board Meeting of February 17, 2015
Subject Long Term Alternative Water Supply Study Workshop		
<input type="checkbox"/> Motion	<input type="checkbox"/> Minute Order	<input type="checkbox"/> Resolution
<input type="checkbox"/> Ordinance	<input type="checkbox"/> Informational	<input checked="" type="checkbox"/> Other
REPORT:	<input type="checkbox"/> Verbal	<input checked="" type="checkbox"/> Presentation
	<input checked="" type="checkbox"/> Staff	R. Biagtan
		<input type="checkbox"/> Board Member

Recommendation:

The Engineering Services Manager recommends the Board of Directors receive a presentation on the District’s Long Term Alternative Water Supply Study and, by Consensus, provide policy level direction to staff.

Summary:

The District’s long term water supply contract with Zone 7 expires in 2024; that contract may need to be amended earlier than that time frame to provide funding for improvements to the State Water Project (SWP). The District’s current water supply furnished under that contract is heavily dependent upon water deliveries from the SWP. The reliability of the SWP has been steadily decreasing over the course of the past ten years. The State of California in the Bay Delta Conservation Plan (BDPC) is considering various facilities intended to stabilize the reliability of the SWP at a cost that is estimated to be in the range of \$25 billion, with a large fraction of those costs borne by local water agencies like DSRSD. A decision has not yet been made as to which alternative will be selected. However, in various venues, the Governor has endorsed alternative “CM-1” (the 9,000 cfs tunnels below the Delta). The exact costs to be borne by local rate-payers are unknown at this time, as is the resultant reliability of the SWP after the various improvements have been made; it is possible that the nature of the improvements will only halt the continued degradation of the reliability of the SWP. Furthermore, because of the size and complexity of the facilities that are being contemplated and the legal challenges that are anticipated, it is conceivable that there could be no measurable improvement of water supply reliability for District customers for years, if not decades. There also exists a credible possibility that despite everyone’s best efforts that no SWP improvement facilities will be implemented; therefore, the reliability of the District’s water supply will continue to degrade. Finally, 2014 has shown that it is possible that the SWP can make zero deliveries in some years and possibly in a series of years. The purpose of this project is to examine how the District could, on its own or in cooperation with regional agencies, sustainably meet customer water demands in the event of: (a) a temporary cessation or severe curtailment of deliveries from the SWP; and (b) by reliance on local and regional water resources to fully meet all water demands. The Plan will provide value by guiding the District: (a) in the development of its 2015 Urban Water Management Plan; (b) in formulating the position it may choose to take (if any) on the BDPC plan; and (c) in consideration any amendment to or extension of its water supply contract with Zone 7.

After input from the Board at this workshop, the findings and conclusions will be presented to the Board at a future workshop. Based on the Board’s direction in that second workshop, an action plan will be developed.

Committee Review			Legal Review	Staff Review		
COMMITTEE	DATE	RECOMMENDATION	Not Required	ORIGINATOR	DEPARTMENT	REVIEWED BY
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ATTACHMENTS <input type="checkbox"/> None						
<input type="checkbox"/> Resolution	<input type="checkbox"/> Minute Order	<input type="checkbox"/> Task Order	<input type="checkbox"/> Staff Report	<input type="checkbox"/> Ordinance		
<input checked="" type="checkbox"/> Cost \$0	<input type="checkbox"/> Funding Source A. B.		Attachments to S&R 1. Workshop Outline and Presentation 2. 3.			

Long Term Alternative Water Supply Study Board Workshop #1



Presenters:
Bert Michalczyk, DSRSD
Randy Raines, RMC
Carrie Del Boccio, RMC



February 17, 2015

WORKSHOP PURPOSE

Board Opportunity for Input

- Project Drivers
- Identify Policy Framework for Project
- Solicit Board input to Options to be Considered

Project Drivers or: Why are we doing this project and why now?

- *State Water Project (SWP)*
 - *District is very heavily dependent on Delta deliveries via SWP*
 - *Reality that SWP can make zero deliveries in some years or in a series of years.*
 - *SWP reliability has been steadily decreasing over the course of the past ten years.*
 - *Improvements to SWP will stabilize but not improve reliability*
 - *Cost of improvements variously estimated to be in the range of \$25 billion with costs borne by local water agencies like DSRSD (estimated Zone 7 share 2%)*
 - *Exact costs to be borne by local rate payers is unknown at this time*
 - *Conceivably no improvement of reliability for District customers for years if not decades.*
 - *Credible possibility that no SWP improvements implemented - reliability degrades further.*
- *District agreement with Zone 7 expires in 2024*
 - *May need to be amended earlier to provide funding for improvements to the SWP*
- *Drought conditions are expected to prevail into 2015*

Policy Level Framework

- Reduce Demand
- Increase Reuse
- Increase Reliability
- Decrease Variability
- Reduce Dependence on Imported Supplies
- Reduce “Concentration Risk”

- APPROACH = DIVERSIFICATION

Possible Framework for Policy

- Reduce Demand
 - _____ gallons per person per day
- Increase Reuse
 - No discharge to Bay _____ days per year
- Increase Supply Reliability and Variability
 - _____% deliveries _____ % of years on average
- Increase Local Control
 - At least _____ % of demand satisfied by local and regional supplies
- Reduce Concentration Risk
 - No more than _____ % of supply originates from one source

Opportunity for Board Input at the End

Workshop Format at Each Step

- Factual Presentation
- Proposed Scope, Approach and Topics to be Covered
- Opportunity for Board Input

Presentation Outline

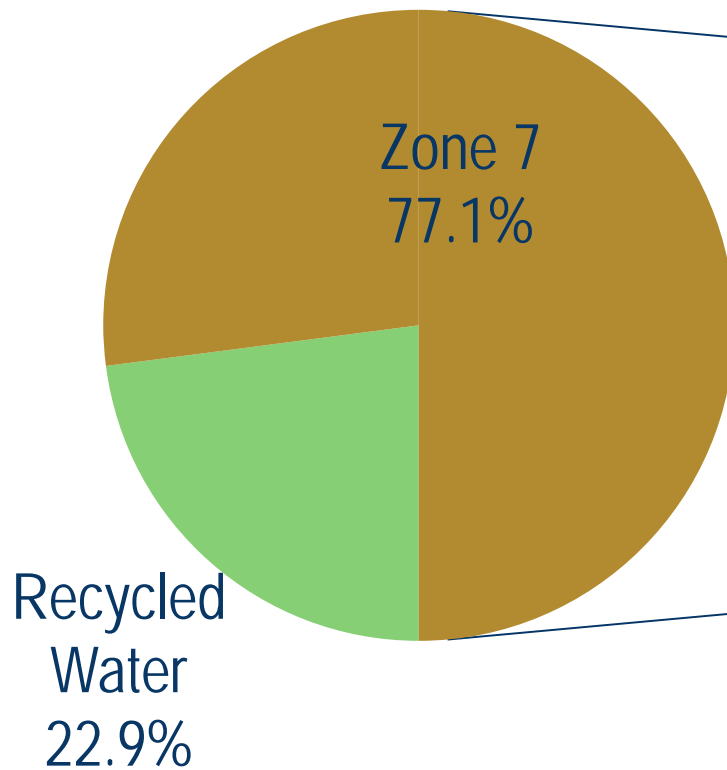
1. Existing Conditions
2. Looking to the Future
3. Demand Management
4. Water Supply Options
5. Evaluation of Water Supply Options
6. Schedule

Presentation Outline

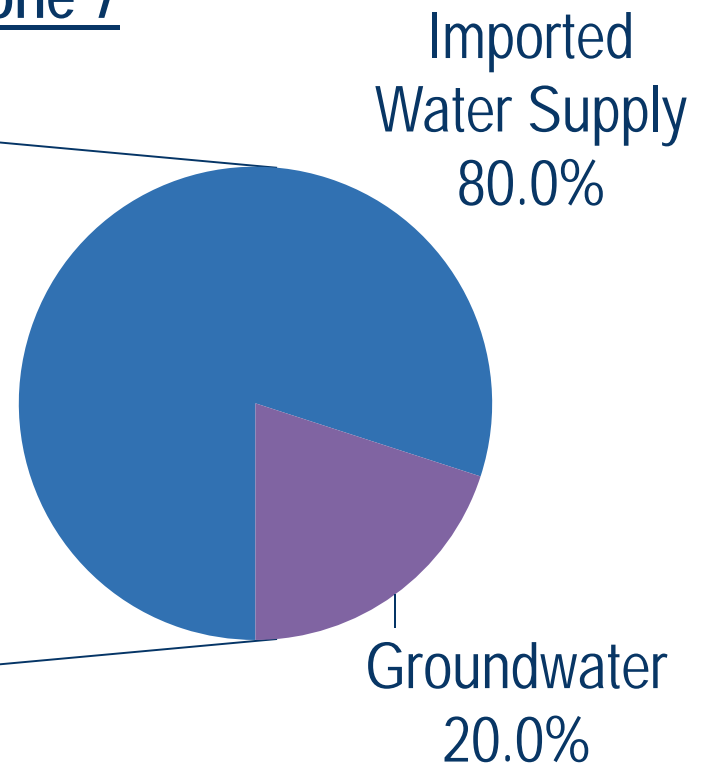
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Existing Conditions: Supply

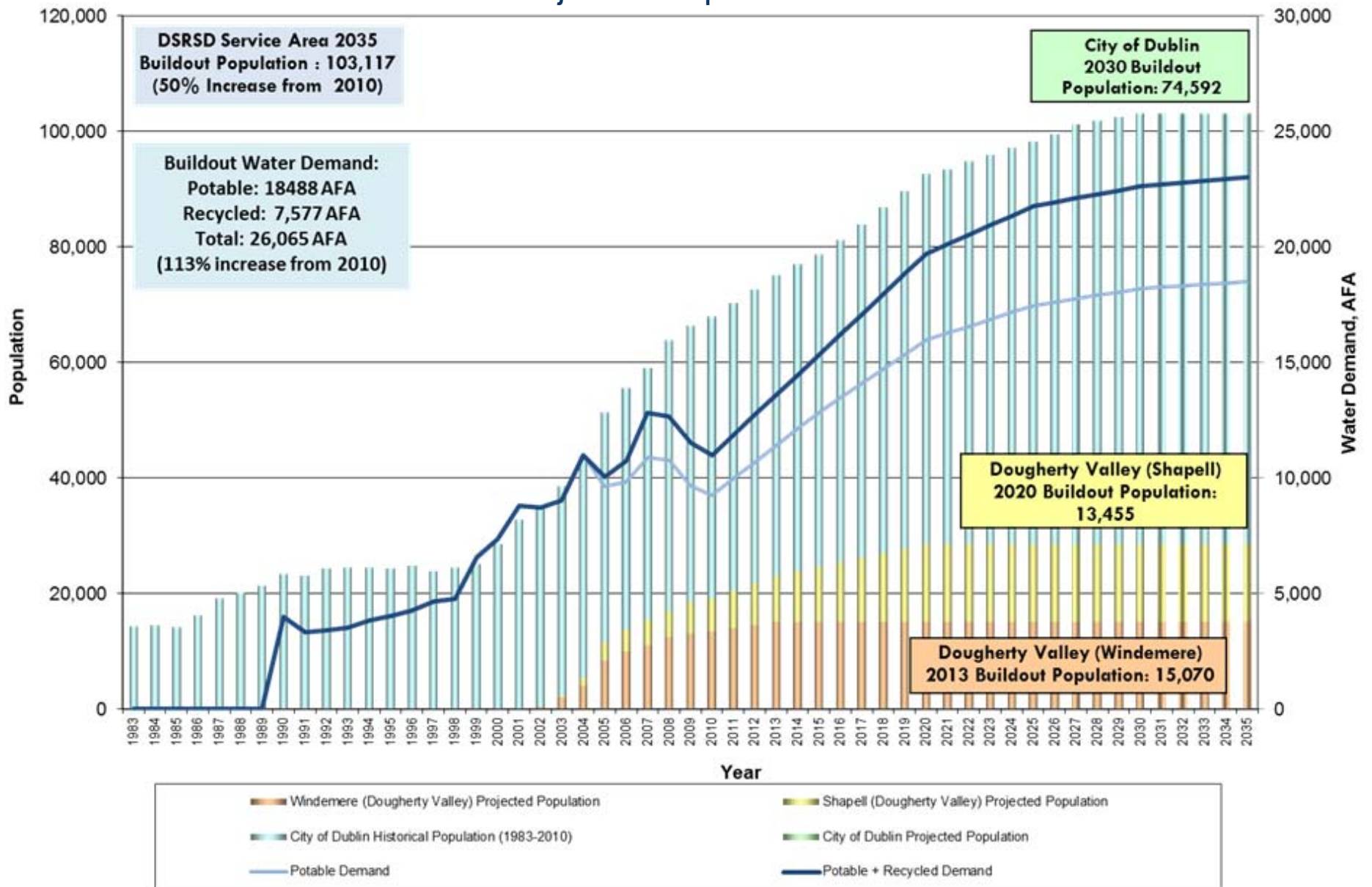
DSRSD



Zone 7



Historical and Projected Population and Water Demands



Existing Conditions: Recycled Water

- Zone 7 does not currently produce or distribute recycled water directly
- DSRSD and the City of Livermore manage recycled water treatment
- DSRSD, Livermore, and Pleasanton manage recycled water distribution
- Recycled water forms an important drought-resistant component of water supply
- In 2014 over 20% of the water the District delivered to users was recycled water.

Existing Conditions: Board Input

Are we missing anything of importance to the Board?

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Looking to the Future

Tri-Valley Water Policy Roundtable

- February 5th (*Reliability and Recycling*)
 - Current Zone 7 Reliability Policy (85%)
 - How to define reliability
 - How to address variability
- Potable Water Supply Objectives
 - Diversification
 - Local control
 - Improved reliability
 - What does this look like?
- Wastewater/Recycled Water Objectives
 - 100% water recycling → Zero discharge?
- Future Discussions on “Structural” conservation

“Minimize dependence on the State Water Project, while achieving zero wastewater discharge from the Valley”

Looking to the Future: Board Input

Board Reflections on Tri-Valley Round Table Meetings?

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Demand Management Options

Study Focus on “Structural” Conservation

- Greater Incentives for:
 - Toilet and Urinal Rebates
 - Appliance Rebates
 - Irrigation Controllers
 - Pool & Spa Covers
 - *Others?*
- Expanded Programs:
 - Lawn Conversions
 - *Others?*
- New Programs (mandates for new, incentives for conversions)
 - Gray Water
 - Rain Water Capture
 - *Others?*
- Direct Recycled Water to Residential Customers

Approach

- Assess Market Potential
 - What is maximum achievable?
- Assess Current Market Penetration
 - How much is in place already?
- Identify Cost to Increase Penetration or begin new Program
 - Dollars
 - Dollars per AF

Other Evaluation Criteria of interest to the Board?

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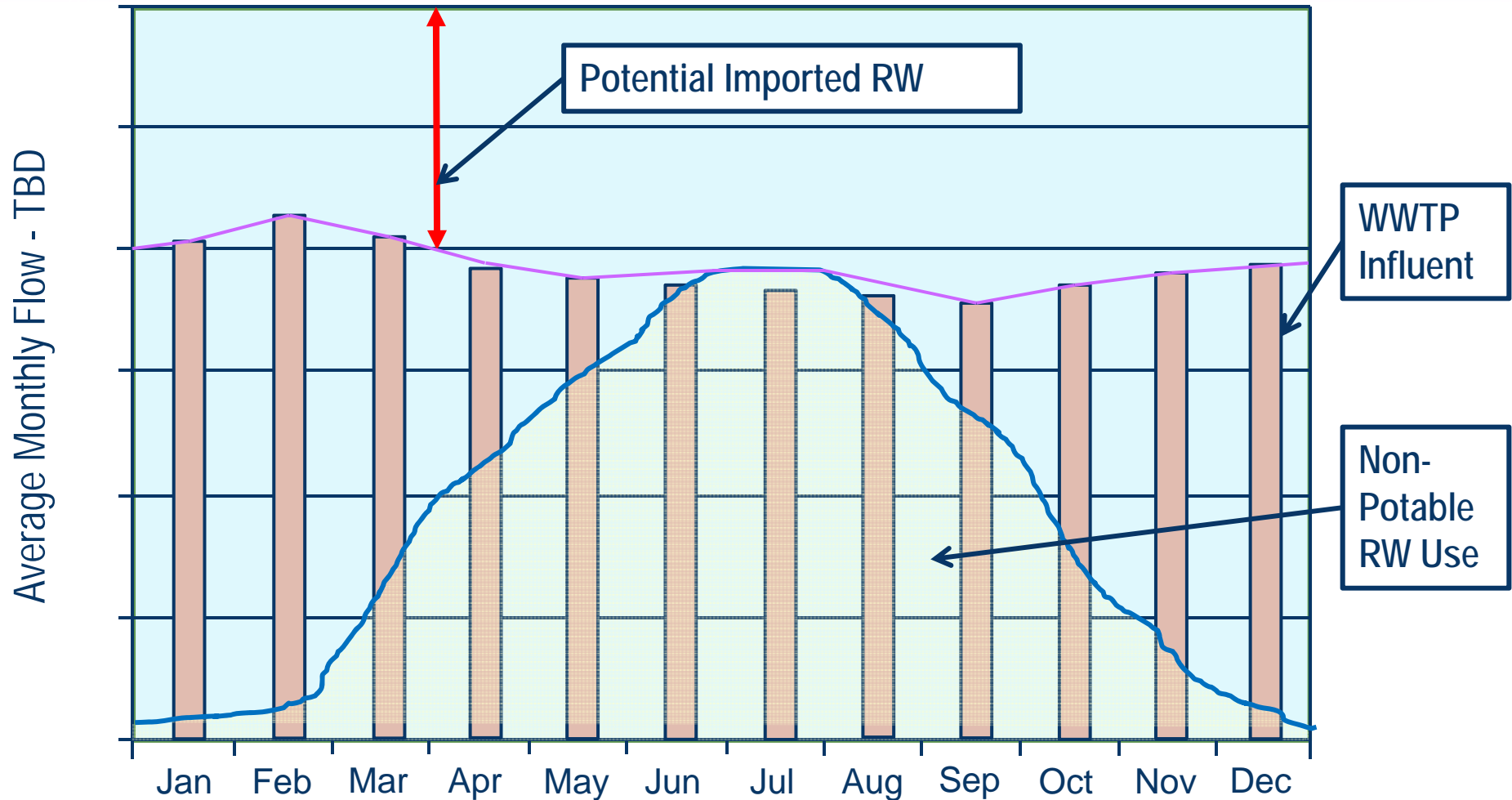
Water Supply Options

Option	Remarks
Non-Potable Recycled Water	Need winter storage Extend service to single family homes
Indirect / Direct Potable Reuse	Groundwater recharge Reservoir augmentation
Import Recycled Water	LAVMWA CCCSD
Groundwater	Fringe Basin Westside Basin Other areas
Stormwater	Capture and store
Desalination	Bay Delta
Transfers & Exchanges	Use of Freeport for Transfers Los Vaqueros Storage SFPUC In-Lieu Exchanges (Buy-in to other agency projects?)
<i>Others?</i>	<i>Board Input</i>

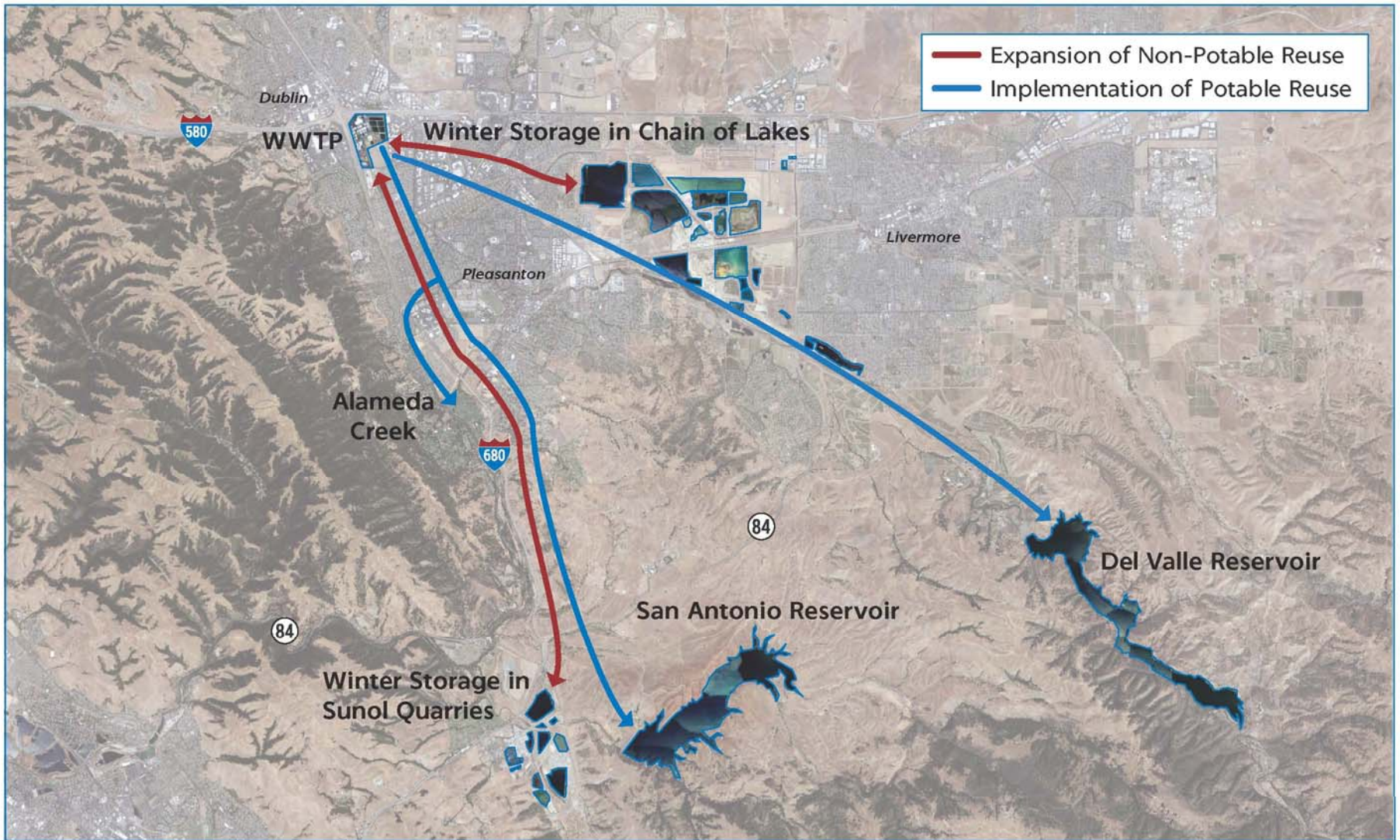
Others?

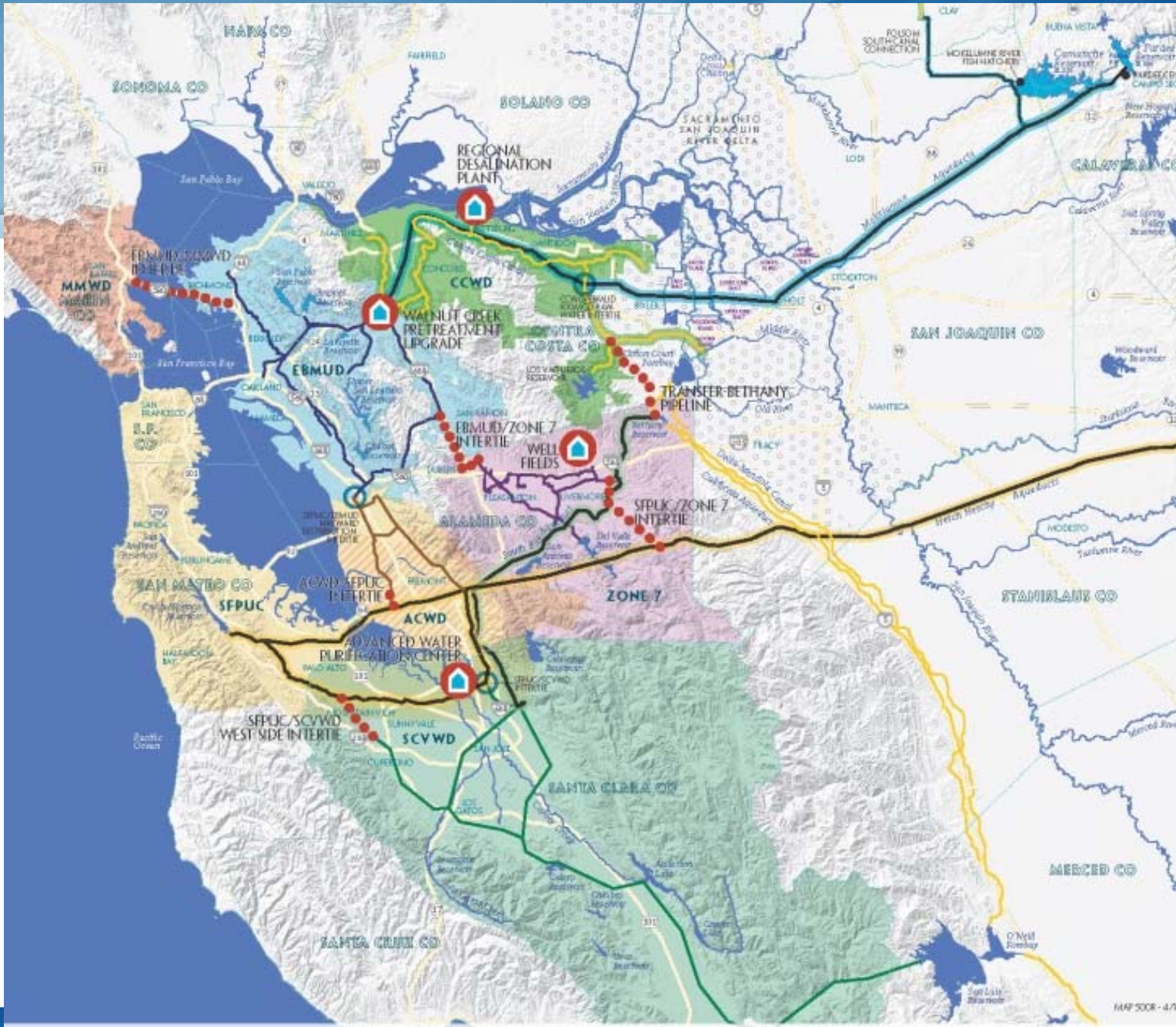
Board Input

Recycled Water as Potable Supply



Moving Toward Zero Discharge





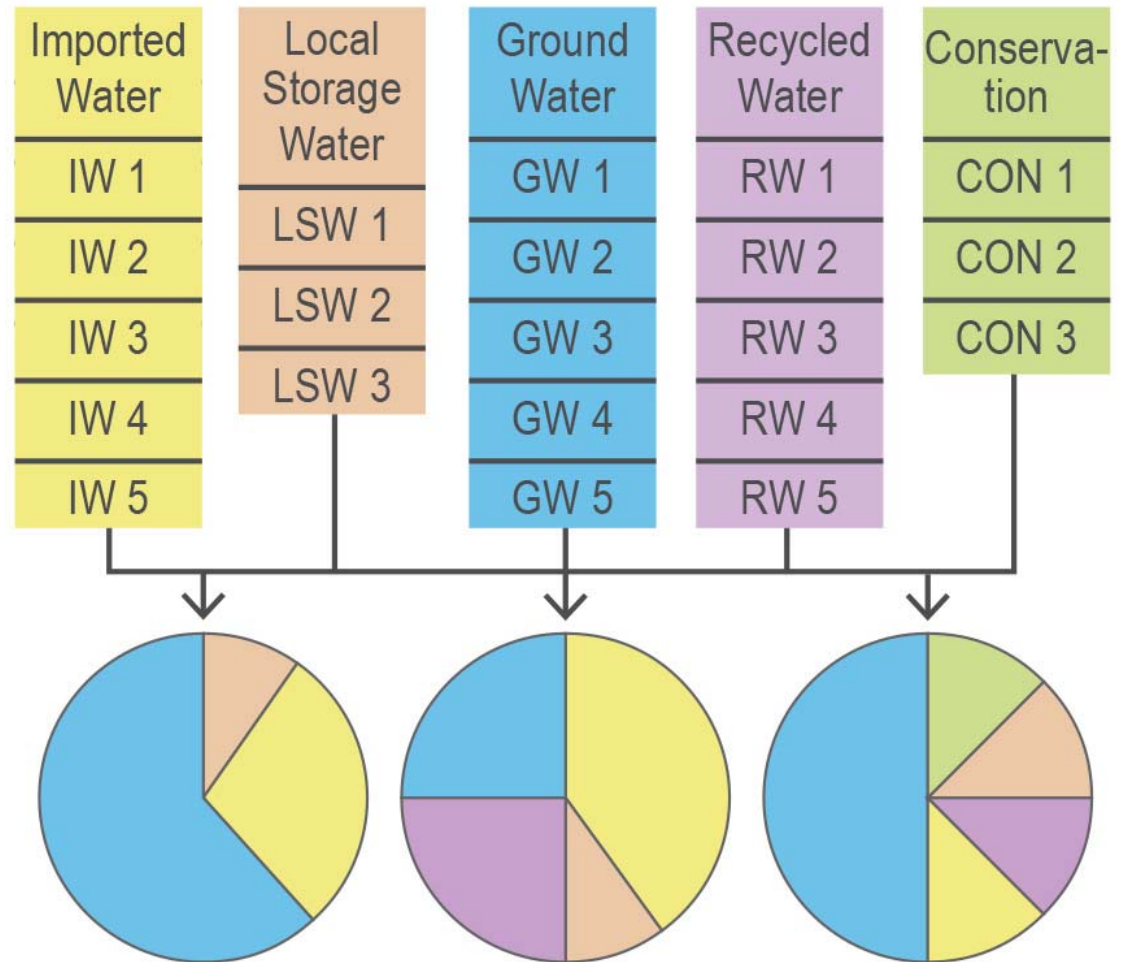
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Evaluation of Water Supply Options: Developing Portfolios

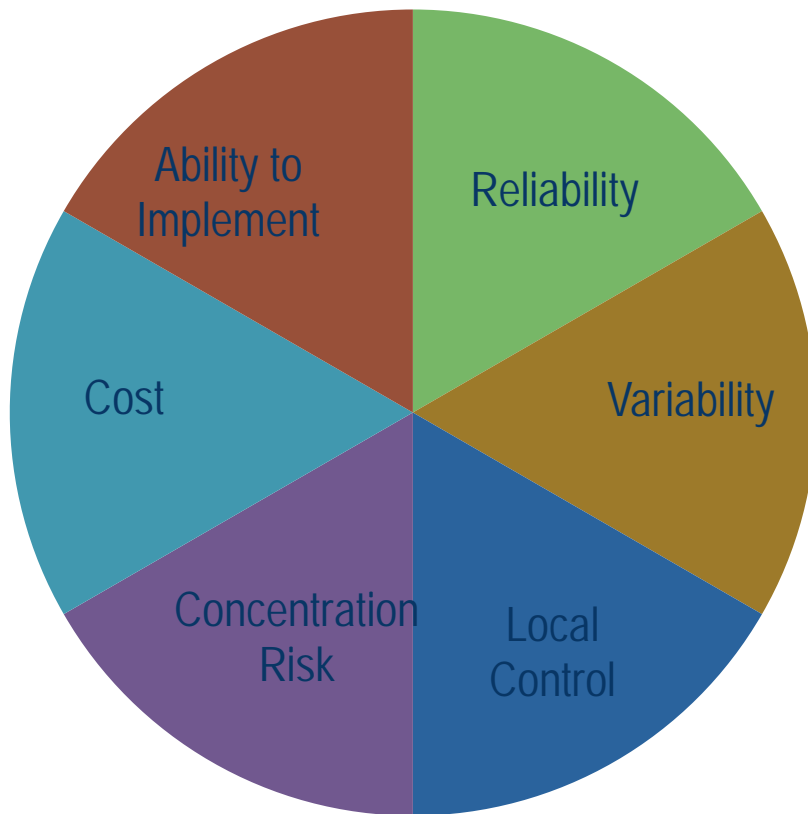
The District's ultimate potable water demand is projected to be around 17,500 AFY.

To meet this demand, the District may develop portfolios from multiple sources.

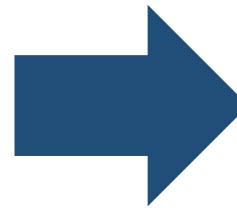


Evaluation of Water Supply Options: Decision Modeling Tool

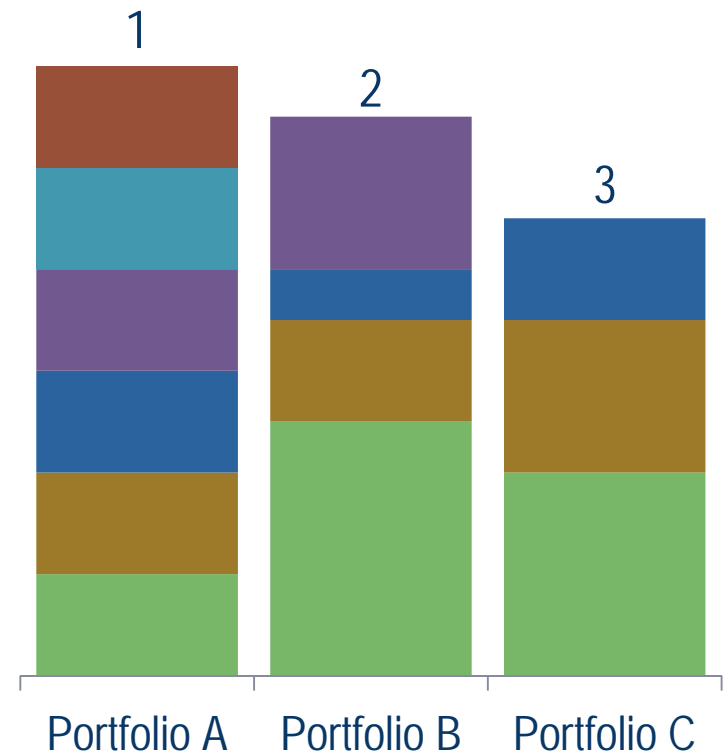
Proposed Evaluation Criteria



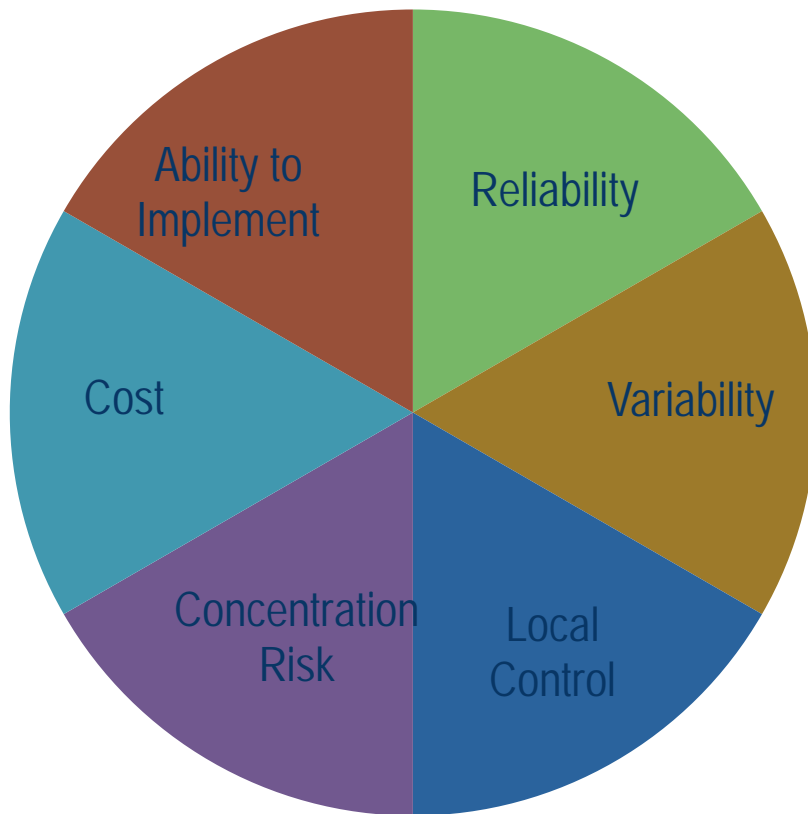
*Evaluate
Portfolios
with respect
to Criteria*



Establish Portfolio Ranking



Evaluation of Water Supply Options: Decision Modeling Tool



*Other criteria of
interest to the Board?*

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Proposed Project Schedule

- Board Workshop #1
 - Tuesday, February 17th
- Options analysis and portfolio development
 - February 17th – April 7th
- Board Workshop #2
 - Tuesday, April 7th (tentative)
- RMC develops draft report
 - April 1st – April 22nd
- District reviews and RMC finalizes report
 - May 1st, 2015

Board input on schedule

Possible Framework for Policy

- Reduce Demand
 - _____ gallons per person per day
- Increase Reuse
 - No discharge to Bay _____ days per year
- Increase Supply Reliability and Variability
 - _____% deliveries _____ % of years on average
- Increase Local Control
 - At least ___ % of demand satisfied by local and regional supplies
- Reduce Concentration Risk
 - No more than ___ % of supply originates from one source

TENTATIVE INPUT ON POLICY FRAMEWORK

For the Board to get us “In the Ball Park”

- Reduce Potable Demand
 - 70 gallons per person per day
- Increase Reuse
 - No discharge to Bay 300 days per year
- Increase Supply Portfolio Reliability & Variability
 - 85% deliveries once every 10 years; and
 - 70% deliveries once every 30 years

This would be 97.5% reliability on average with a standard deviation of +/- 7%)
- Increase Local Control
 - At least 60% of demand satisfied by local and regional supplies
- Reduce Concentration Risk
 - No more than 40% of supply originates from one source