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Call to Order

Board of Directors Workshop - Engineering
Tuesday, June 9, 2020

Chairperson – Director Kielhold
Vice-Chair – Director Hayes



Introductions

Following the introduction of Directors and District staff, participants may use this time to state their name and agency/affiliation in order to be included in the formal record of attendees.

Public Comment

Any person may address the Board on matters within its jurisdiction.

- *Please use the chat feature on the Zoom toolbar or digitally raise your hand to let the moderator know you would like to make a comment.*



Summary of Previous Meeting (Pg. 3)

Board of Directors Workshop – Engineering
May 12, 2020



Presentations (Pg. 7)

Bob Tincher, PE MS Deputy General Manager – Water Resources

Overview of Valley District's Emergency Preparedness Planning

Staff Recommendation
Receive and file.



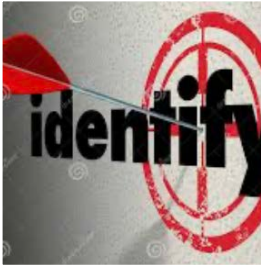
Response

Preparation



Planning

Mitigation
(Prevention)





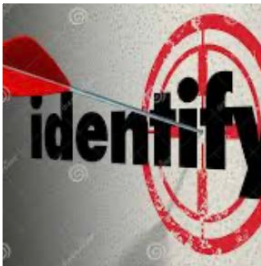
Response

Preparation



Planning

Mitigation



Hazard Mitigation Plan

Disaster Mitigation Act of 2000

Adopted: 2005

Last Update: 2016

Hazard Mitigation Plan for the **San Bernardino Valley Municipal Water District**

California

Adoption Date:

**Pending San Bernardino County, California OES, and FEMA
Approvals**

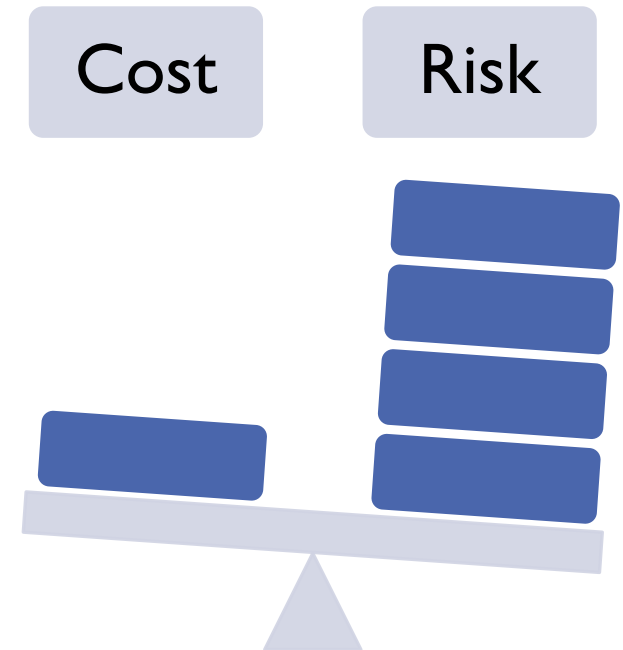
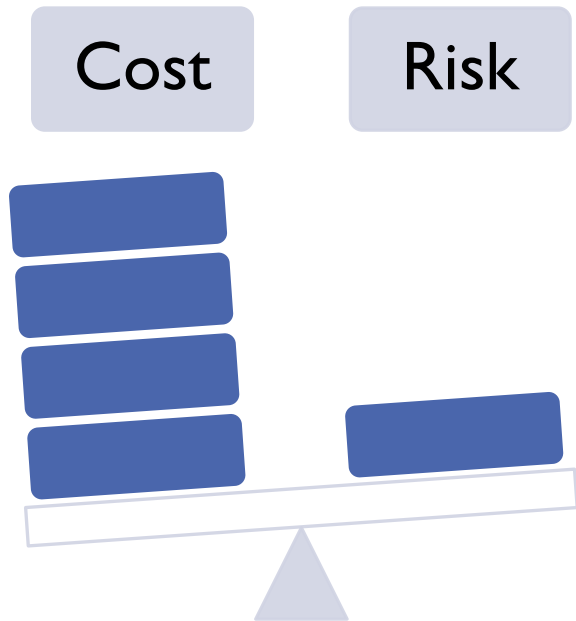
Updated: 2016



Primary Point of Contact

Dan Borell
GIS Coordinator
San Bernardino Valley Municipal Water District
380 East Vanderbilt Way
San Bernardino, CA 92408
909-387-9225 (Office) danb@sbvmwd.com

Mitigation/Prevention is a Question of Risk Tolerance



Hazard Mitigation Plan

Goal: Prevent and/or minimize damage before it occurs

Various projects identified in the Plan

Projects are prioritized

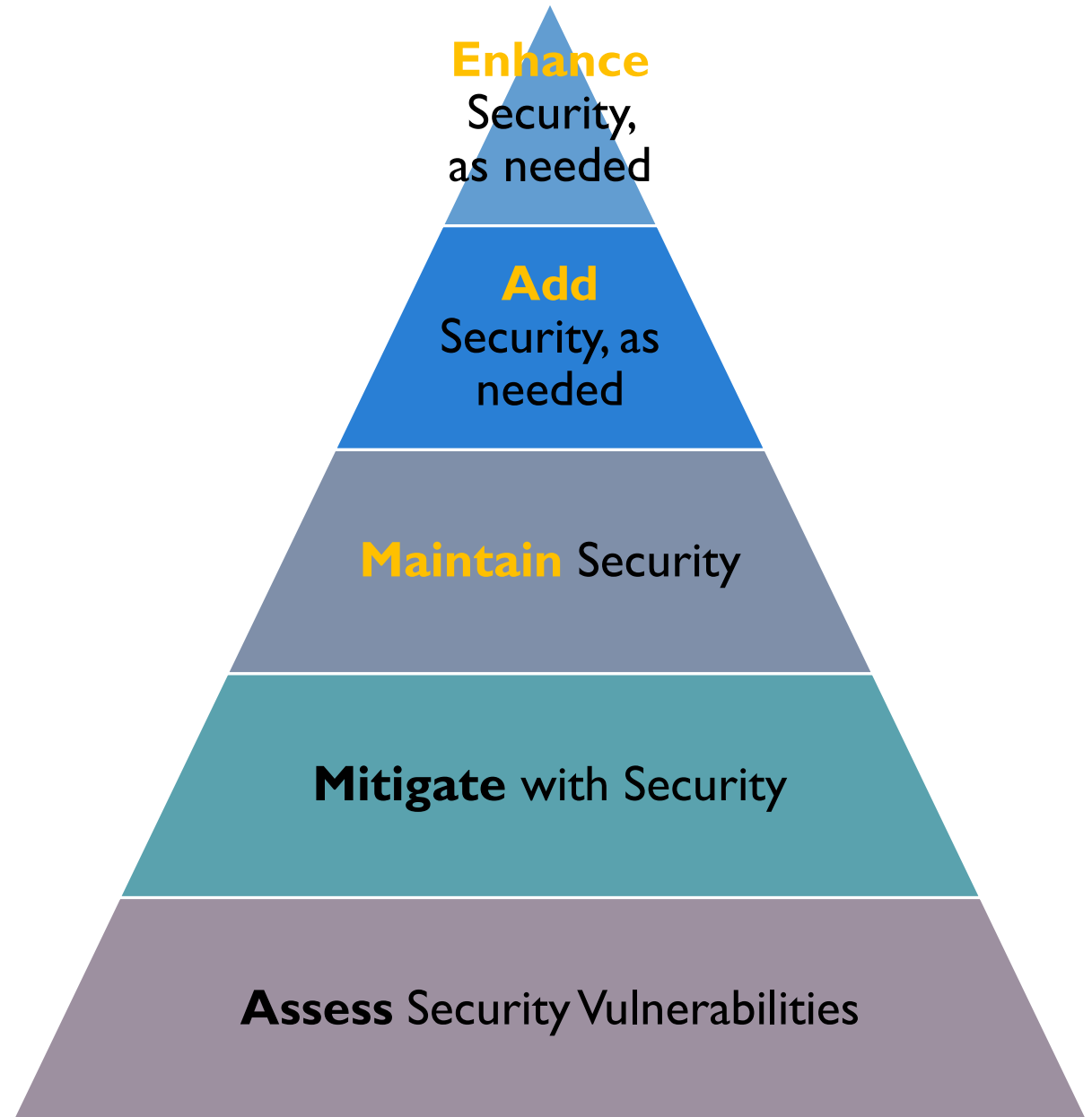
Higher priority projects are included in the budget

Vulnerability Assessment (Valley District Facilities)

Required after 9/11

Approved: 2003

Continuous monitoring and upgrades
ever since





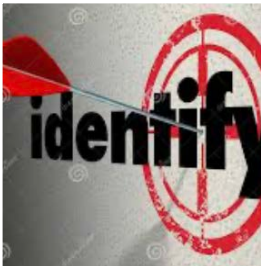
Response

Preparation



Planning

Mitigation



Planning Documents

Emergency Operations Plan

- Response
- Recovery

Hazard Mitigation Plan

- Prevention
- Minimize
damage

Emergency Operations Plan

Original: 1995

Last Update: 2016

Return to Bob Tincher

Emergency Operations Plan

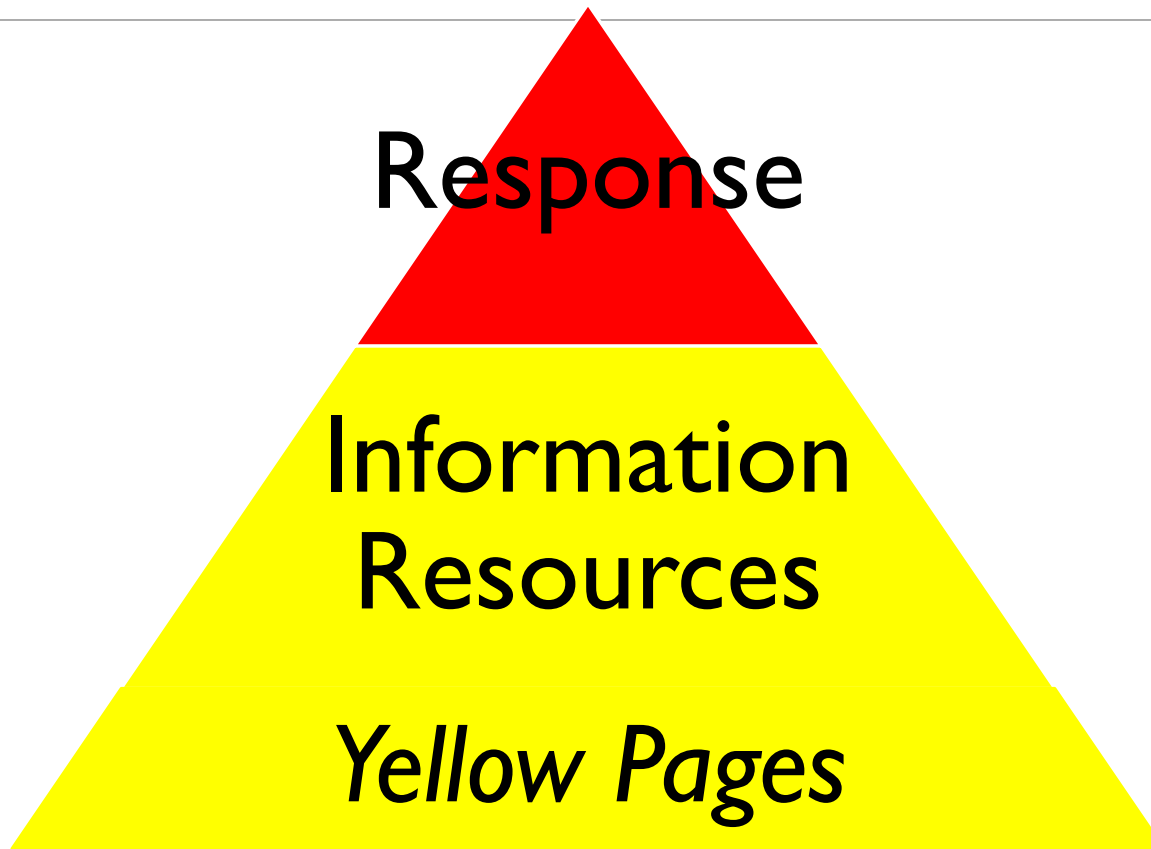
San Bernardino Valley Municipal Water District



Emergency Planning Committee

August 2016

Plan Organization



Approach

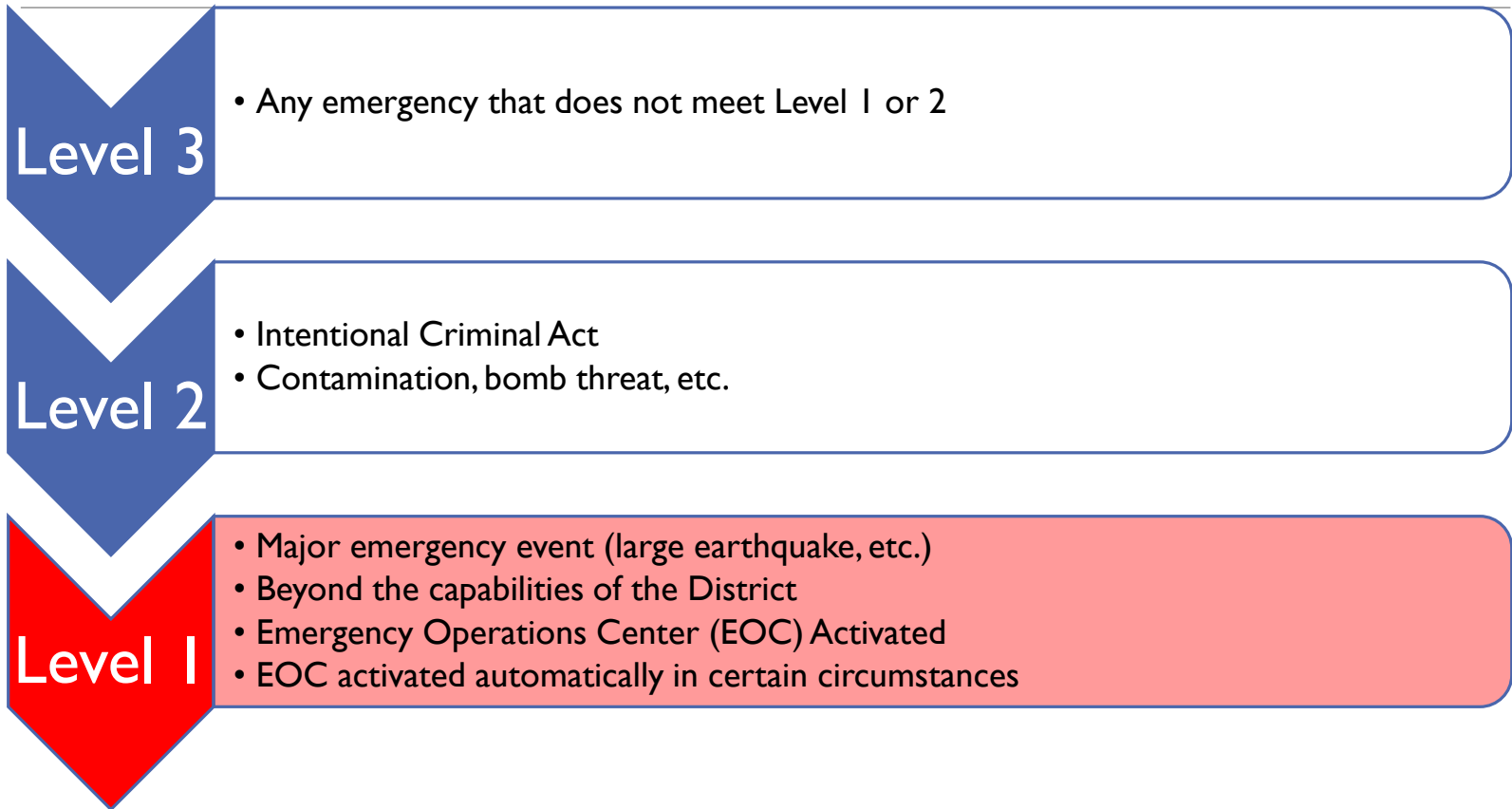
Requirements

- California Standardized Emergency Management System (SEMS)
- National Incident Management System (NIMS)

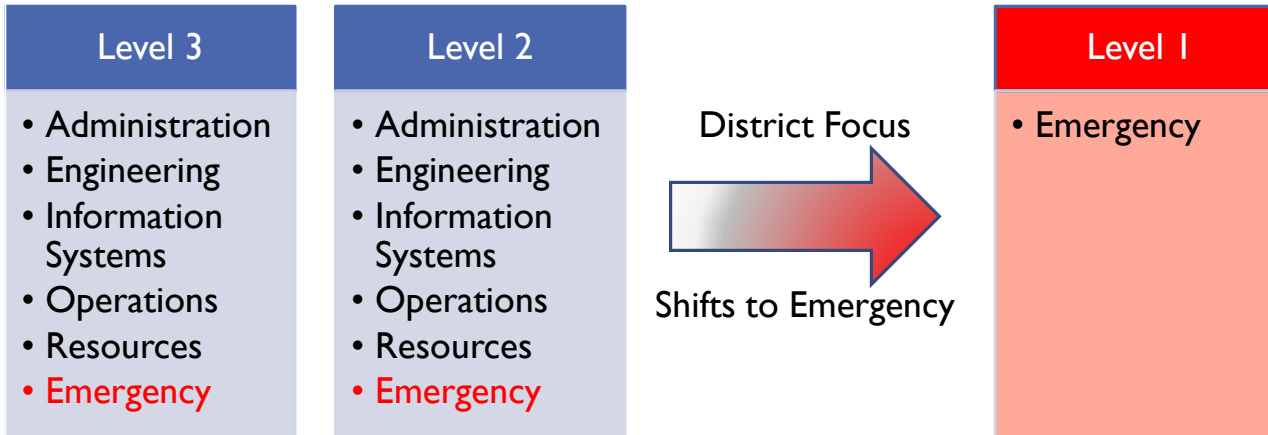
Emergency Operations Approach

- Establishes an organizational structure for managing any type of emergency
- Information that is helpful for managing an emergency situation is included in "yellow pages"
- Plan designed using flow charts to make it easy to review quickly

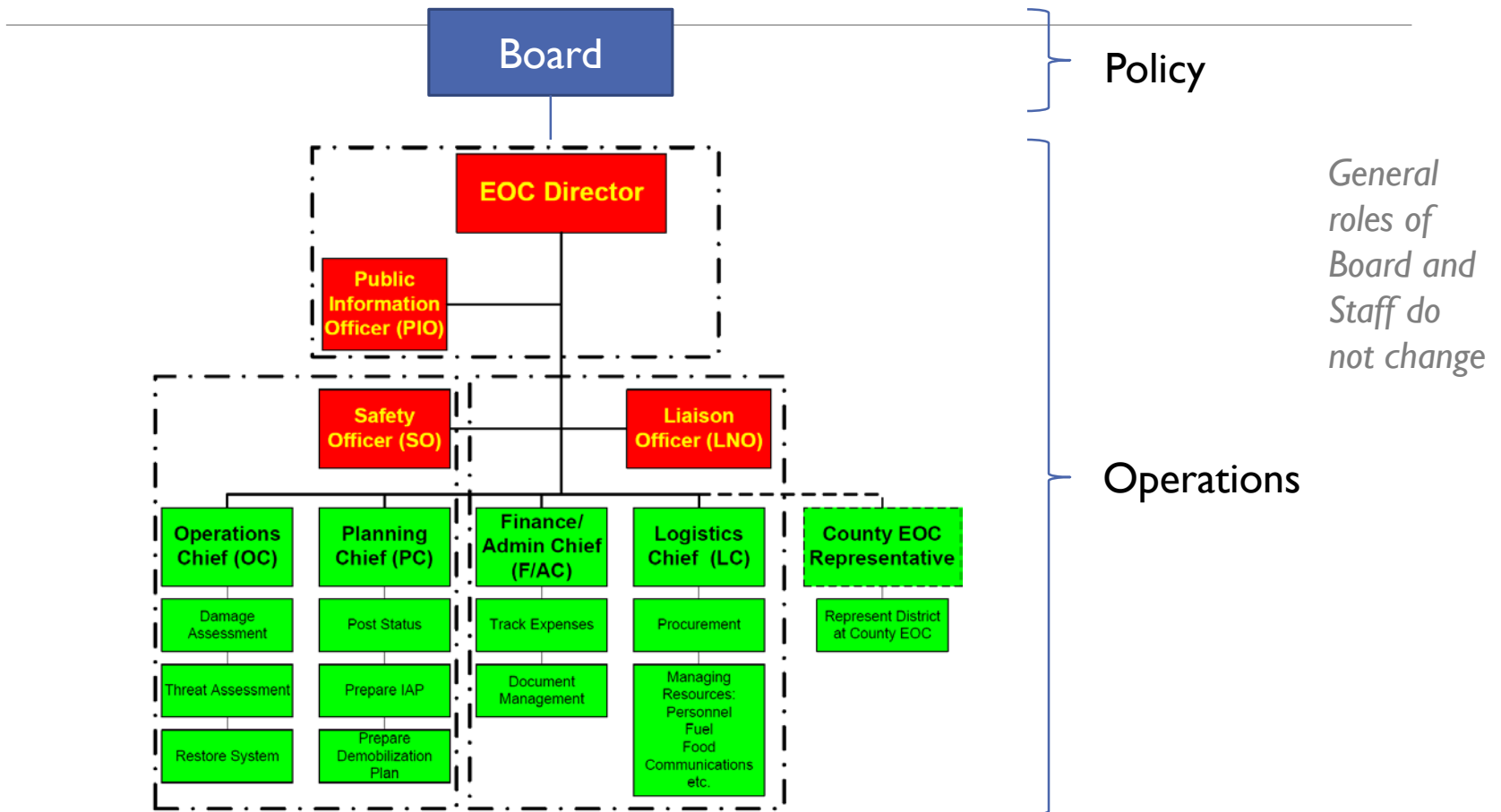
Emergency Levels



District Focus



Level 1 Organization Chart



Policy - Emergency Declaration

Level 3

- Emergency declaration less likely

Level 2

- Emergency declaration less likely

Level 1

- Emergency declared by Board
- Staff work from Emergency Operations Center (EOC)
- Staff delegated some emergency powers by the Board until Board meeting can be called



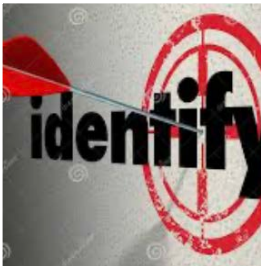
Response

Preparation

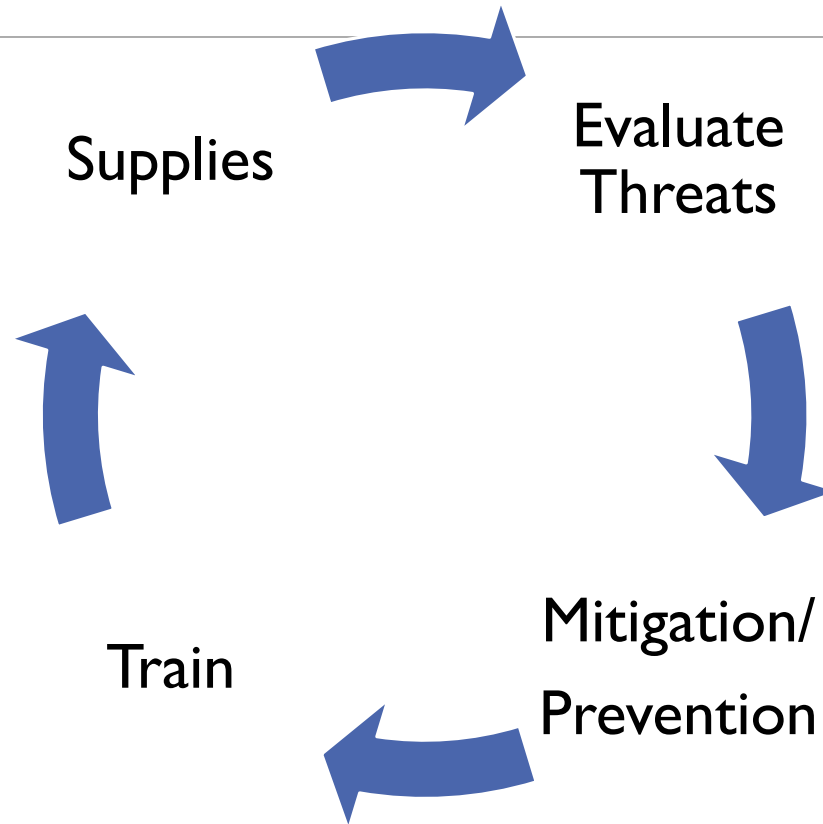


Planning

Mitigation



Preparation





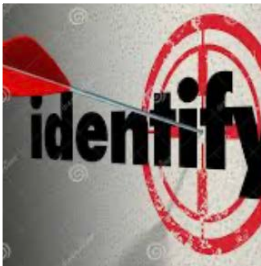
Response

Preparation

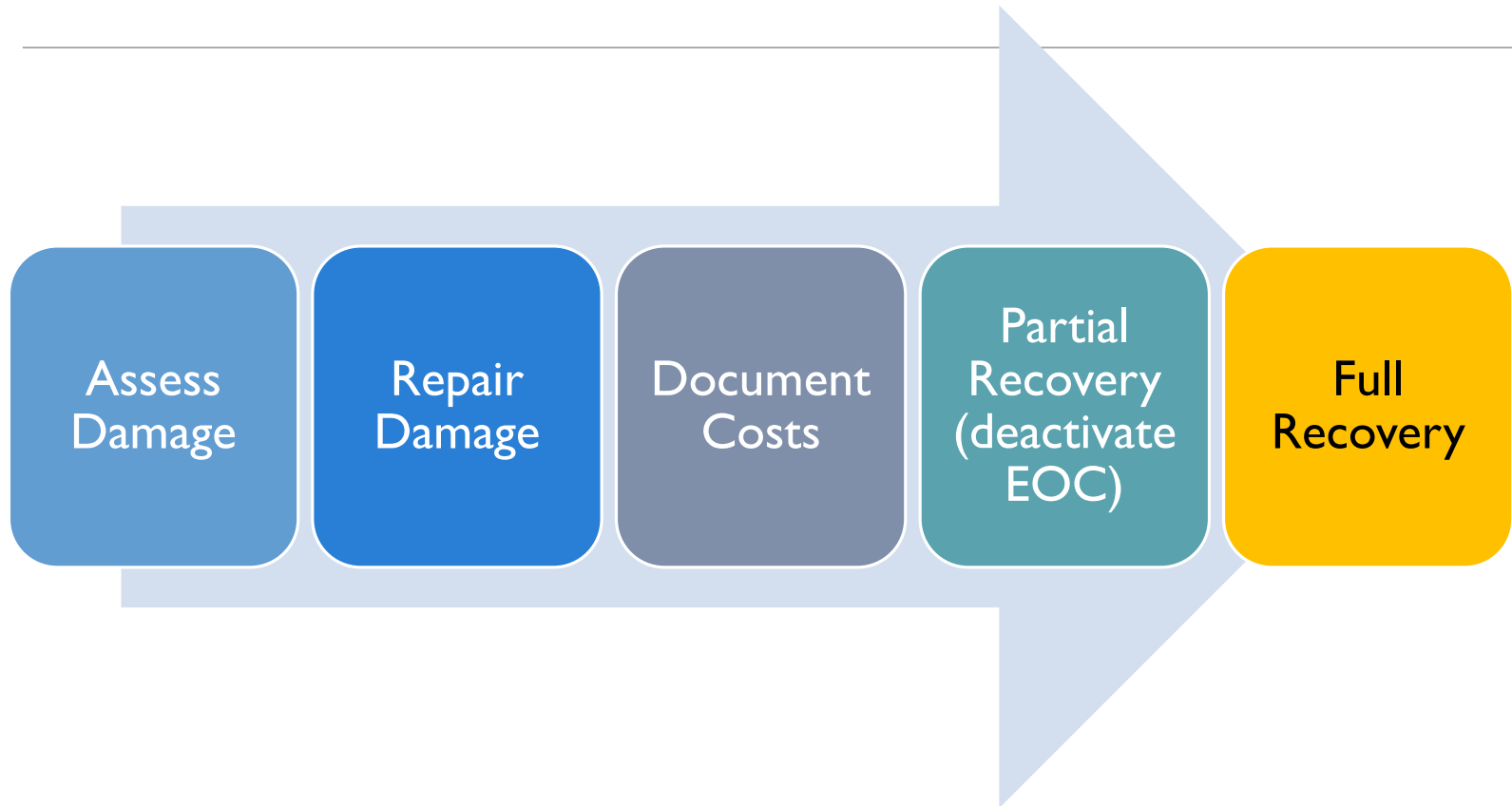


Planning

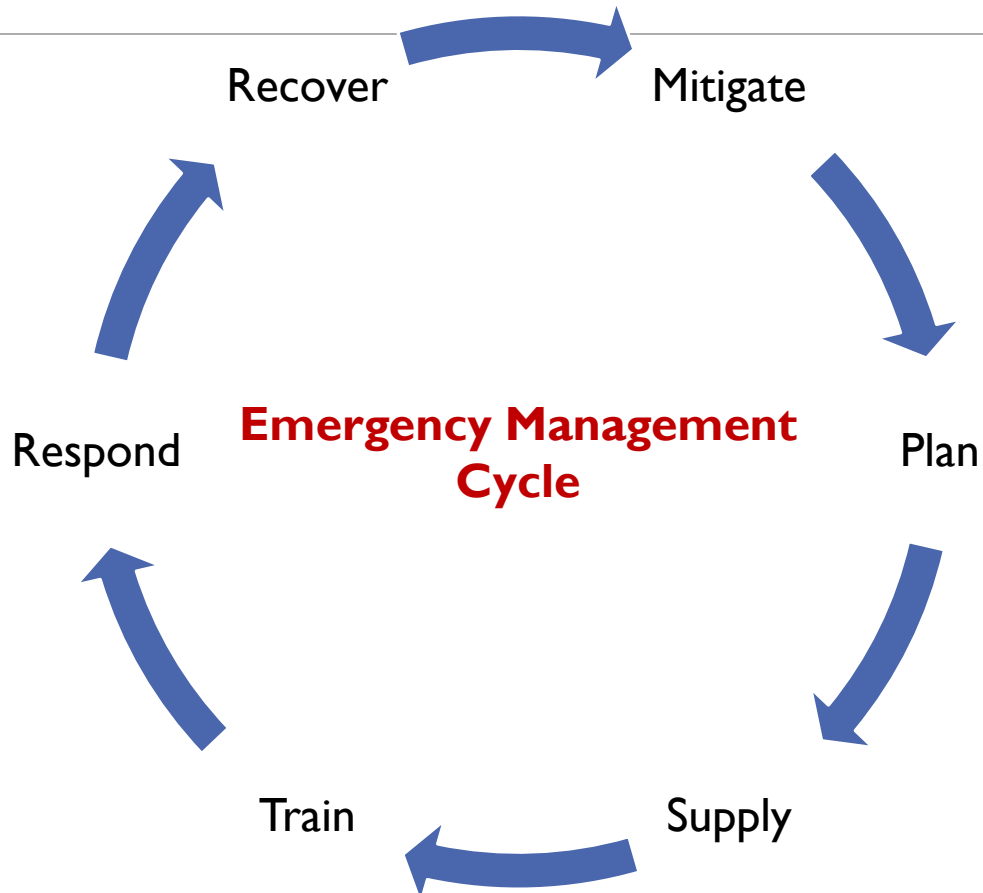
Mitigation



Response

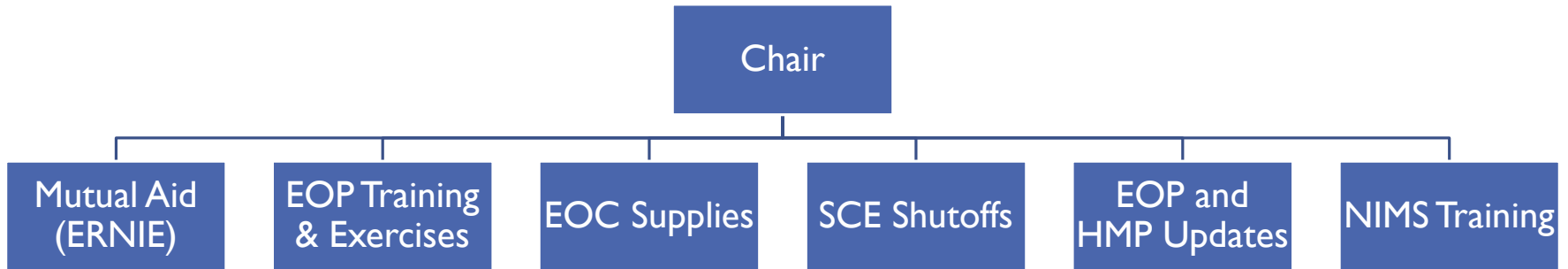


Emergency Preparedness Never Stops



Emergency Planning Committee

*Roles Intentionally
Rotate for Cross
Training*





Business Continuity Plan

Level 3 emergency

Business continuity plan developed for the COVID-19 pandemic is being added to the Yellow section of plan so we can use it again, when needed

Director Comments and Discussion



**T. Milford
Harrison**
President



**Paul
Kielhold**
Vice President



**Susan
Longville**
Treasurer



**June
Hayes**
Director



**Gil
Navarro**
Director

Staff Recommendation
Receive and file.



Discussion Item 5.1 (Pg. 10)

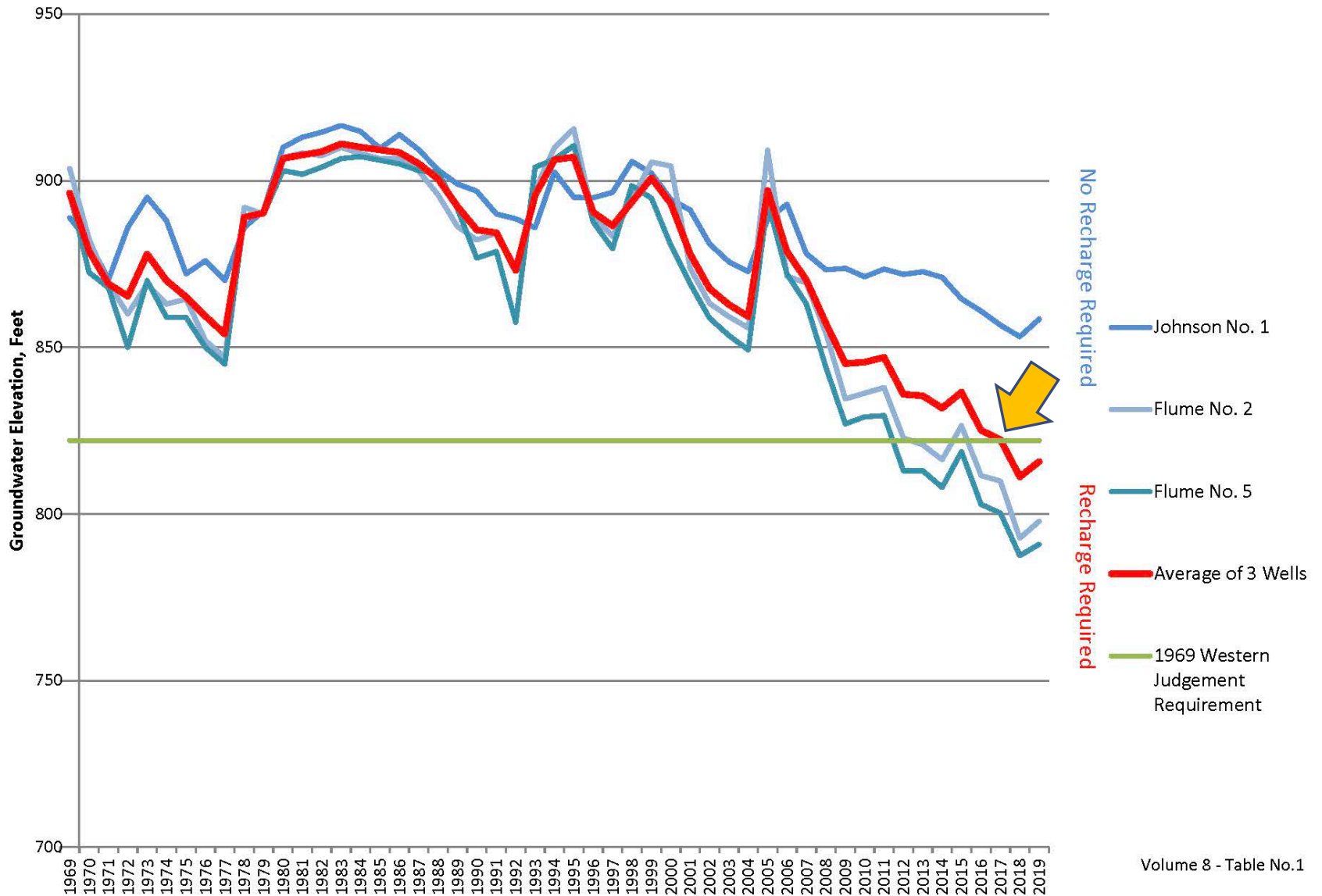
Bob Tincher, PE MS, Deputy General Manager – Water Resources

Consider Purchase of State Water Project Turnout WR-23 to Use to Recharge the Colton and Riverside North Groundwater Basins

Staff Recommendation

Staff recommends that the Board of Directors forward this recommendation to acquire Turnout WR-23 from WMWD and MWDSC at a total cost to Valley District of about \$553,000 to the Board of Directors for consideration.

Individual and Average Groundwater Levels for Index Wells since 1969

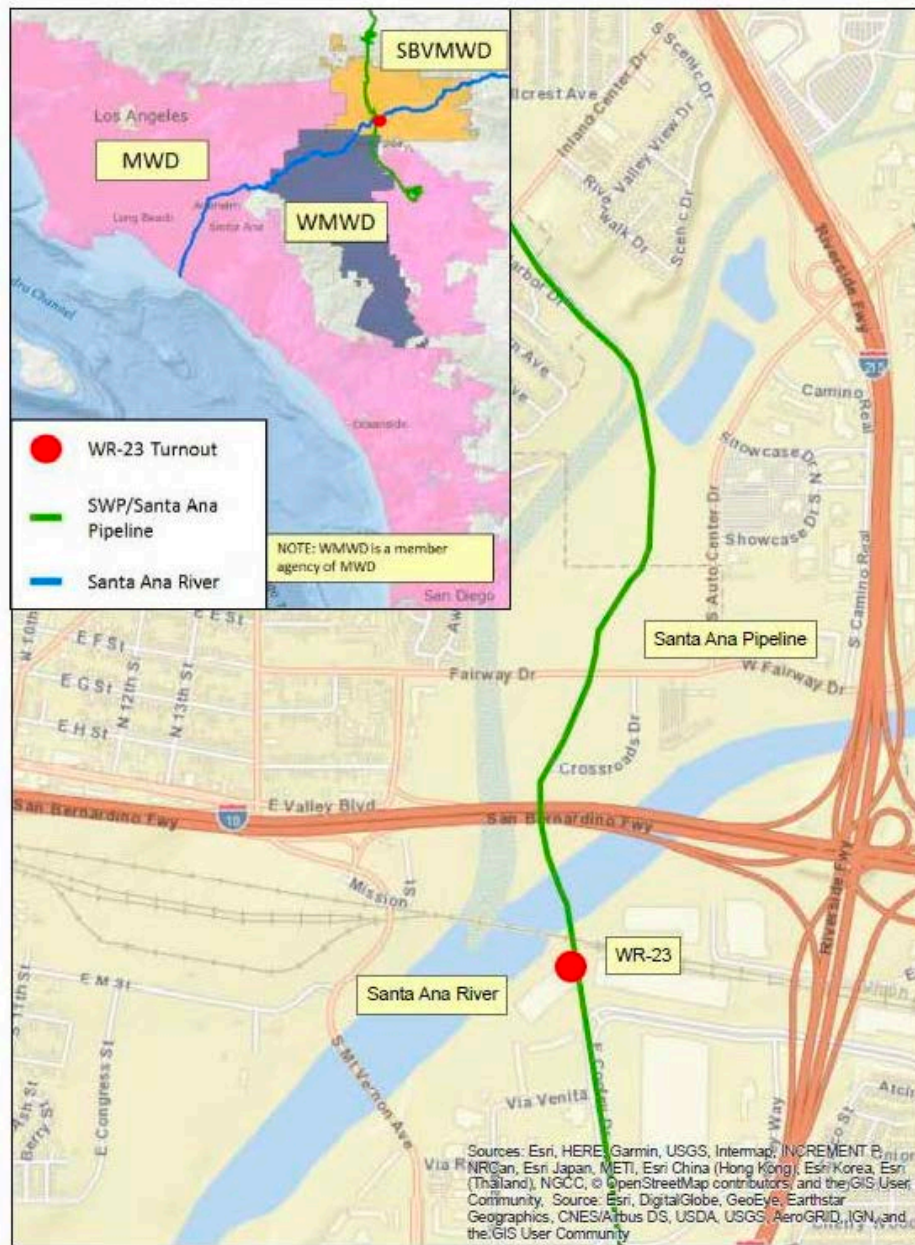


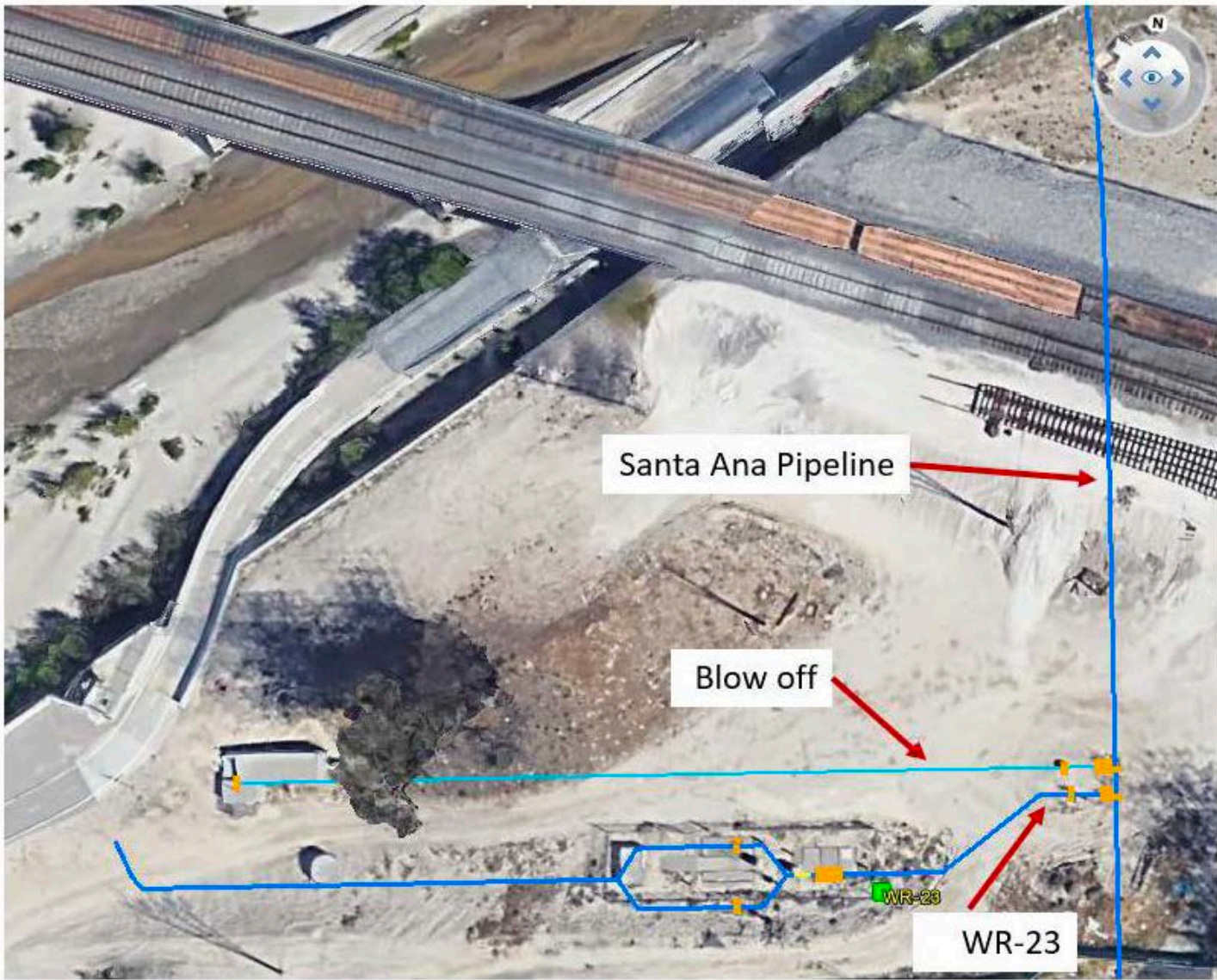
Western-San Bernardino Judgment

Colton Basin Area and Riverside Basin in San Bernardino County

Action Plan to Comply with Water Level Requirements

"Tool"	Status
<p>Immediate</p> <p>Riverside Entities may shift their pumping to the SBBA until water levels are in compliance</p>	<p>Riverside Entities may request this option at any time</p>
<p>Near-term</p> <p>Valley District recharges Santa Ana River with SWP from WR-23</p>	<ol style="list-style-type: none"> 1. Valley District proposing to purchase WR-23 from MWDSC and WMWD. Expected completion by summer 2020. 2. Agreement with MWDSC and DWR also required and expected to be complete by summer 2020.
<p>Groundwater modeling to determine the amount of water needed to increase water levels in Colton Basin Area and Riverside Basin Area in SB County</p>	<p>Proposal to be presented to the Board of Directors in June 2020</p>
<p>Rialto-Colton Basin Groundwater Council</p>	<ol style="list-style-type: none"> 1. Agreement is being circulated amongst the parties should be complete by summer 2020. 2. They plan to prepare a groundwater sustainability plan (2021-22). 3. Will result in more recharge in this basin
<p>Cactus Basins</p>	<p>Valley District funded recharge improvements in the Cactus detention basins owned by flood control. Will result in additional stormwater capture and facilitate SWP recharge. Complete 2021</p>
<p>Warm Creek Basins</p>	<p>Valley District attempting to purchase these basins from Flood Control. Flood Control doing a "best value" analysis. Would require a new turnout to deliver SWP water for recharge.</p>
<p>Imported water purchase by Fontana Water Company</p>	<p>Under the settlement of the lawsuit with Fontana Water Company (FWC), FWC must purchase 61,000 acre-feet of water outside of Valley District's supply of SWP water or surplus to Valley District's needs for recharge into the Rialto-Colton basin. Valley District is looking for potential supplies</p>
<p>Long-term</p> <p>Riverside North Aquifer Storage and Recovery Project</p>	<p>Preliminary design complete. Working on permits through the Upper Santa Ana River HCP</p>





Santa Ana Pipeline

Blow off

WR-23

WR-23



MWDSC/WMWD/ Valley District Agreement

METROPOLITAN AND WESTERN

Valley District will not charge either a fee to use the turnout in the future (MWDSC SWP Water)

Any use of the turnout must be scheduled with Valley District

Western receives \$128,055.37 for recent rehabilitation work of WR-23, at Valley District's request

VALLEY DISTRICT

Does not pay capital cost for turnout

Pays Western \$128,055.37 for recent rehabilitation work of WR-23, at Valley District's request

Ownership of Turnout WR-23 transferred to Valley District



Estimated Valley District Cost

Capital Cost	----
Rehabilitation Cost	\$128,055.37
Integration into Valley District's Water Delivery System	\$424,944.63
<hr/>	
Total	\$553,000

MWDSC/DWR/Valley District Agreement



1. Covers Construction, Operations and Maintenance of the turnout
2. DWR approves of the transfer of WR-23 from MWDSC to Valley District
3. DWR and Valley District give each other access to the site
4. Valley District agrees to pay DWR's costs
5. Notice of Exemption would accompany this item to a Board meeting

Director Comments and Discussion



**T. Milford
Harrison**
President



**Paul
Kielhold**
Vice President



**Susan
Longville**
Treasurer



**June
Hayes**
Director



**Gil
Navarro**
Director

Staff Recommendation

Staff recommends that the Board of Directors forward this recommendation to acquire Turnout WR-23 from WMWD and MWDSC at a total cost to Valley District of about \$553,000 to the Board of Directors for consideration.

Discussion Item 5.2 (Pg. 77)

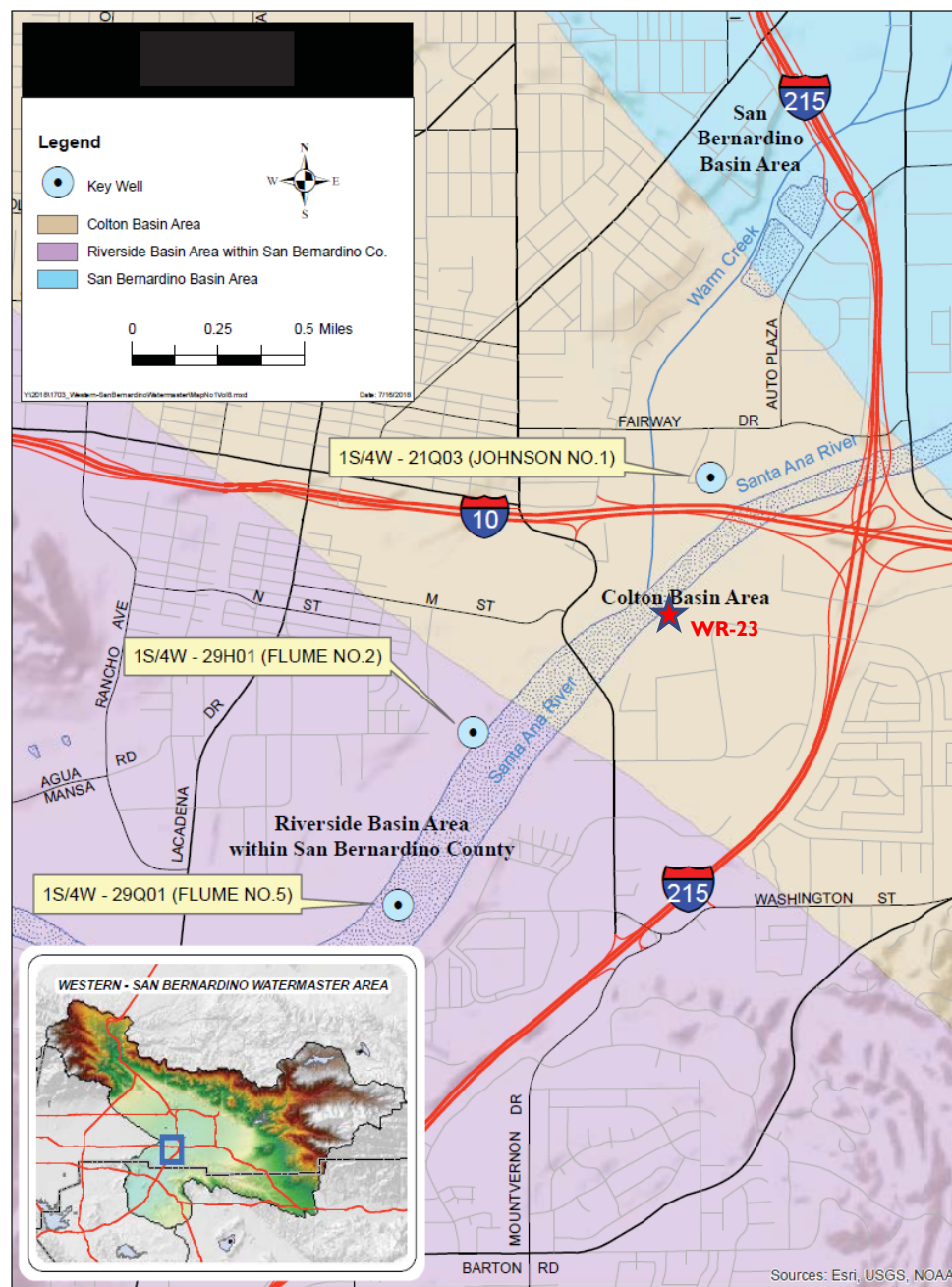
Wen Huang, PE MS, - Chief Engineer

Consider Santa Ana River Recharge Modeling and Testing
with Geoscience

Staff Recommendation

Forward the Scope of Services for Conducting Modeling of Recharge Testing in the Riverside North Basin and Providing Support during Testing to the next Board of Directors' meeting for consideration.

Locations of the Key Wells



Scope of Services

Proposed Major Tasks:

1. Refine Integrated SAR Model
2. Develop Recharge Scenarios and Conduct Modeling
3. Prepare Work Plan for Field Testing
4. Coordination and Data Management during Testing
5. Prepare Tech Memos and Provide Recommendations

Estimated Fees: \$77,513

Director Comments and Discussion



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Harrison**
President



**Paul
Kielhold**
Vice President



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Longville**
Treasurer



**June
Hayes**
Director



**Gil
Navarro**
Director

Staff Recommendation

Forward the Scope of Services for Conducting Modeling of Recharge Testing in the Riverside North Basin and Providing Support during Testing to the next Board of Directors' meeting for consideration.

Discussion Item 5.3 (Pg. 91)

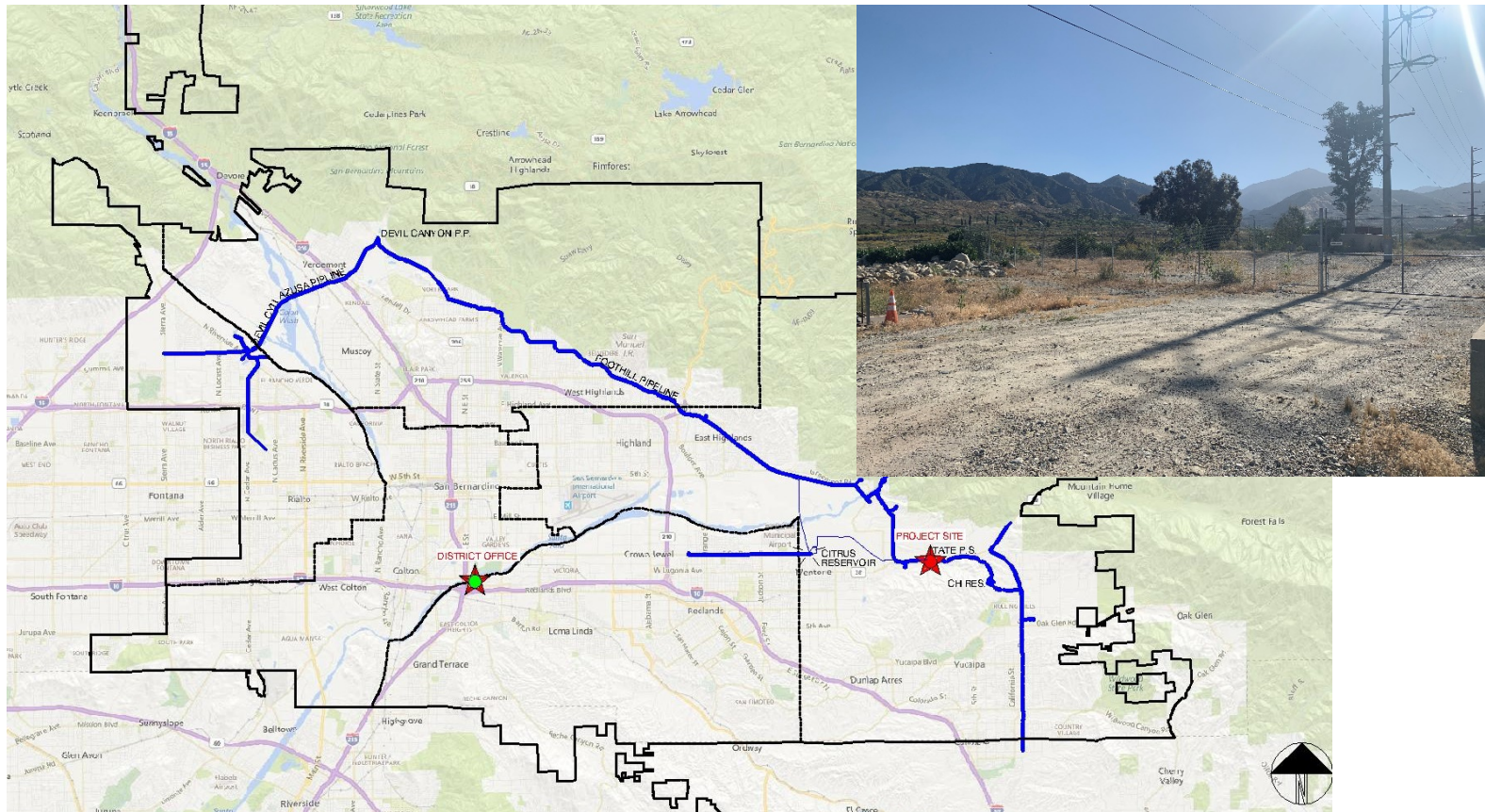
Mike Esquer, Senior Project Manager

Consider Lease Agreement for AT&T Cellular to Construct and Operate a Cellular Communications Tower

Staff Recommendation

Staff recommends the lease agreement for the AT&T Telecommunications Site be forwarded to a future Board of Directors' Meeting for consideration.

AT&T Cellular Communications Tower Location



Director Comments and Discussion



**T. Milford
Harrison**
President



**Paul
Kielhold**
Vice President



**Susan
Longville**
Treasurer



**June
Hayes**
Director



**Gil
Navarro**
Director

Staff Recommendation

Staff recommends the lease agreement for the AT&T Telecommunications Site be forwarded to a future Board of Directors' Meeting for consideration.



Discussion Item 5.4 (Pg. 118)

Mike Esquer, Senior Project Manager

Consider Fourth Joint Facilities Agreement with San Gorgonio Pass Water Agency

Staff Recommendation

Staff recommends the Fourth Joint Facilities Agreement between San Bernardino Valley Municipal Water District and San Gorgonio Pass Water Agency, upon satisfactory review by Counsel of both agencies, be forwarded to a future Board of Directors' Meeting for consideration.

Capacity Rights Purchase Price

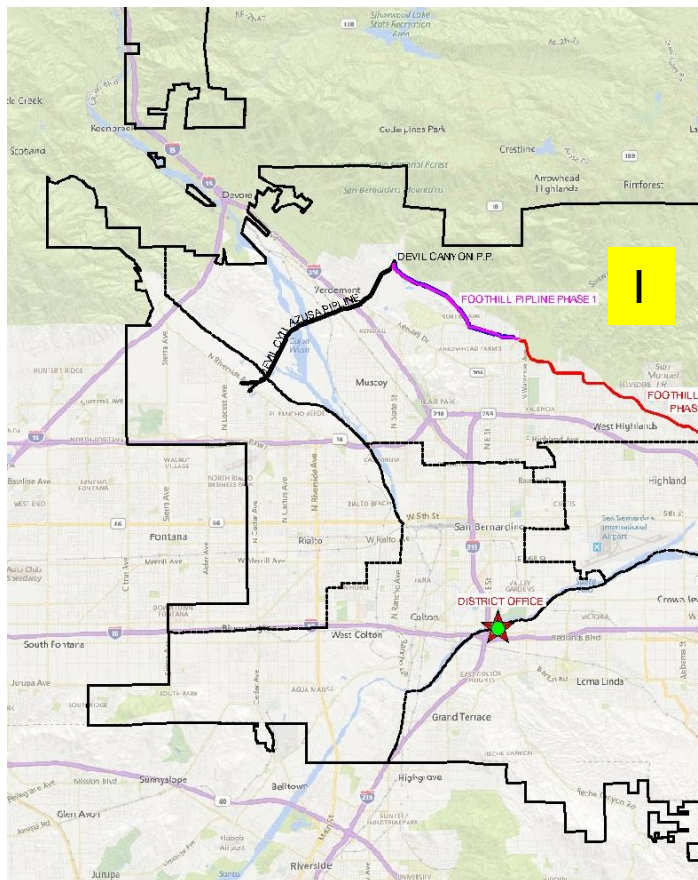


EXHIBIT A

CAPACITY RIGHTS PURCHASE PRICE CALCULATIONS

SUMMARY OF ADDITIONAL CAPACITY PURCHASE BY SGPWA AND CAPACITIES PURCHASED BACK FROM SGPWA

#1 Price of additional 32 CFS capacity in Foothill Pipeline Phase 1 for SGPWA	\$	1,034,902.90
#2 Price of additional 32 CFS capacity in Foothill Pipeline Phase 2 (from Phase 1 to Sta 745+59) for SGPWA	\$	2,875,209.04
#3 Price of additional 16 CFS capacity in Foothill Pipeline Phase 2 (Station 745+59 to SARC Pipeline) purchased back from SGPWA by SBVMWD	\$	(252,176.45)
#4 Price of additional 10 CFS capacity in Tate Pump Station purchased back from SGPWA by SBVMWD	\$	(432,753.05)
#5 Price of additional 16 CFS capacity in Tate Pipeline purchased back from SGPWA by SBVMWD	\$	(95,548.44)
Net purchase price of new capacity to be paid by SGPWA	\$	3,129,634.00

Note 1: Cost Escalation increase was calculated utilizing the Engineering News Record Construction Cost Index

Note 2: Depreciation was calculated using straight line depreciation method and Estimated Useful Life.

Director Comments and Discussion



**T. Milford
Harrison**
President



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Kielhold**
Vice President



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Longville**
Treasurer



**June
Hayes**
Director



**Gil
Navarro**
Director

Staff Recommendation

Staff recommends the Fourth Joint Facilities Agreement between San Bernardino Valley Municipal Water District and San Gorgonio Pass Water Agency, upon satisfactory review by Counsel of both agencies, be forwarded to a future Board of Directors' Meeting for consideration.



Director Requests for Consideration



Adjournment
