The meeting teleconference will begin shortly

Listen to the meeting by using your computer or tablet speakers
or by calling (877) 853 5247 using meeting ID 979 215 700

View the live meeting presentation at https://sbvmwd.zoom.us/j/979215700
PASSCODE: 3802020

Public comments, suggestions or questions regarding technical issues may be emailed
to comments@sbvmwd.com

Please use the chat feature in the Zoom toolbar to let the moderator
know that you would like to make a comment during the meeting or use the
digital "raise hand" function in Zoom.

Please mute your microphone during the meeting to reduce background noise.
Click on the microphone icon to unmute your microphone if needed.

NOTICE REGARDING (COVID-19)

Before we begin, the record will reflect that pursuant to the provisions of Executive Order N-29-20 issued by Governor Gavin Newsom on March 19, 2020, this meeting will be conducted by teleconference only.

Call to Order

Board of Directors Workshop - Resources
Thursday, September 2, 2021

Chairperson – Director Hayes
Vice-Chair – Director Harrison

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 – Resources – August 5, 2021

Discussion Item 4.1 (Pg. 8)

Adekunle Ojo, MPA – Water Resources Manager
Bob Tincher, PE, MS – Chief Water Resources Officer/Deputy GM

Consider Required 20-year Water Quality Modeling Projections for the Recharge of State Water Project Water

Staff Recommendation
Direct Staff to place a Consulting Services Agreement with Geoscience on the next regular Board of Director's meeting for consideration.

Director Comments and Discussion

Paul Kielhold
President

June Hayes
Vice President

T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation

Direct Staff to place a Consulting Services Agreement with Geoscience on the next regular Board of Director's meeting for consideration.

Discussion Item 4.2 (Pg. 32)

Chris Jones, MESM – Preserve System Program Manager
Joanna Gibson, MS – Executive Director Upper SAR HCP Program

Discuss Resolution No. 1126 to Submit a Grant Application to the Wildlife Conservation Board Public Access Program

Staff Recommendation
Staff recommends the Board direct staff to place Resolution No. 1126 on the next Board of Directors regular meeting agenda for consideration.
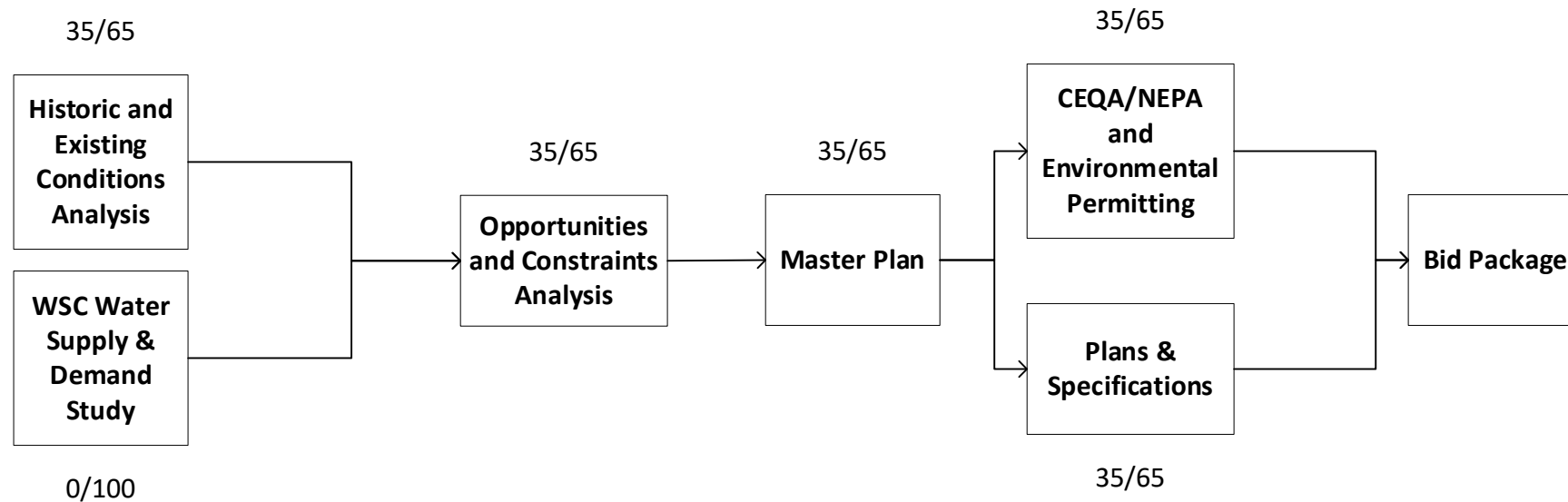
WCB Public Access Program

- Goals (https://wcb.ca.gov/Programs/Public-Access)
  - The Program funds projects that provide: boating opportunities and amenities, protect and develop lands for hunting and fishing opportunities, and projects that enhanced wildlife recreation.
  - Project Categories:
    - Planning *
    - Implementation
  - Typical public access features might include things like:
    - ✓ Boating access projects
    - ✓ Fishing piers or decks
    - ✓ Pathways to fishing piers or decks
    - ✓ Trails or boardwalks that could also include bilingual educational or wayfinding signage
    - ✓ Wildlife observation decks
    - ✓ Shade structures
    - ✓ Parking lot improvements

- Process & Timelines
  - Call for Concepts (June 29, 2021)
  - Invitation to Submit Full Application (August 2, 2021)
  - Full Application (Due September 16, 2021)
  - Estimated Award Decision (February/May 2022)

Tasks and Budget

* Percent of task requested to be funded by grant versus match shown above each general task block (Grant Ask %/Match %)

```
35/65                                    35/65
┌─────────────────┐                   ┌─────────────────┐
│ Historic and    │                   │ CEQA/NEPA       │
│ Existing        │                   │ and             │
│ Conditions      │      35/65  35/65 │ Environmental   │
│ Analysis        │  ┌──────────┐ ┌──────┐ Permitting    │          ┌─────────────┐
└─────────────────┘  │Opportunities│ │Master│               │          │ Bid Package │
                     │and Constraints│→│Plan  │              │          └─────────────┘
┌─────────────────┐  │Analysis  │ └──────┘ ┌─────────────────┐
│ WSC Water       │  └──────────┘          │ Plans &         │
│ Supply &        │                        │ Specifications  │
│ Demand          │                        └─────────────────┘
│ Study           │                            35/65
└─────────────────┘
0/100
```


** Additional tasks included in the grant ask are shown below:
- Public Outreach: 15/85
- Project Management: 10/90
- Site Safety (Parks District Rangers): 0/100

Project Overview

Figure 3: Preliminary Concepts

Legend
— Sunnyslope Creek
□ Project Area
0   500   1,000   2,000 Feet

Public Access: D, E, F
Habitat Restoration: 1, 2, 3, 4

Public Access: A, B, C, D, E, F
Habitat Restoration: 1, 2, 3, 4

Rancho Jurupa Regional Park

Public Access: A, D, E, F
Habitat Restoration: 3, 4

Public Access: D, E
Additional Key Components: iv

Public Access: D, E, F
Habitat Restoration: 1, 2, 3, 4

LRPPG

Public Access: D, E, F, G, H, I
Habitat Restoration: 1, 3, 4, 5
Additional Key Components: i, ii, iii, iv

Public Access: D, E, F
Habitat Restoration: 1, 2, 3, 4

Public Access: D, E, F
Habitat Restoration: 1, 3, 4

Public Access: D, E, F, G
Habitat Restoration: 2, 3, 4

Preliminary Measures Key:

• Public Access
A. Fishing Access Created
B. Fishing Platform Improvement
C. Fish Cleaning Station
D. Trails
E. Interpretive Signage
F. Wildlife Viewing Station or Blind
G. Indoor and Outdoor Educational Facilities
   and Educational Programming
H. Parking Areas
I. Restrooms

• Habitat Restoration
1. Freshwater Pond Restoration
2. In-Stream Restoration
3. Riparian Restoration
4. Transitional Habitat Restoration
5. Native Plant Nursery and Seed Storage Facility

• Additional Key Components
i. Native American Grinding Rocks
ii. Ethnobotanic Garden and Trail
iii. Wildlife Rehabilitation Center
iv. Community Based Sustainable Agriculture

Fiscal Impact

Total Task Costs: $1,511,00

Grant Ask: $357,500 (~25%)

Match: $1,153,000 (~75%)

HCP Cost-Share of Match:
- Valley District (40%): $461,400
- HCP Funding Partners (60%): $692,100

* The Consortium, including Valley District, is looking into additional funding opportunities to contribute to the portion of the planning effort that is not covered by the grant request.

https://www.thewilddeckcompany.co.uk/product-portfolio/viewing-platforms/

https://www.hikewnc.info/trails/nantahala-ranger-district/walton-interpretive

https://www.wakegov.com/departments-government/facilities-design-construction/facilities-design-construction-projects/completed-projects/turnipseed-nature-preserve-project

Full Application: Resolution No. 1126

Resolution template review by Varner -Brandt

Terms:

- Authorization of staff to submit an application for grant funding from the WCB;
- Certification that our application will comply with all federal, state and local environmental, public health, and other appropriate laws and regulations;
- Commitment of the District to the terms and conditions specified in the grant agreement (Varner & Brandt has reviewed); and
- Appointment of a designated person as a representative of Valley District to conduct negotiations, execute, submit and sign all documents.

https://www.nps.gov/thingstodo/explore-self-guided-interpretive-trail.htm

https://greenvillejournal.com/education/construction-complete-on-clemsons-andy-quattlebaum-outdoor-education-center/

Director Comments and Discussion

Paul Kielhold
President

June Hayes
Vice President
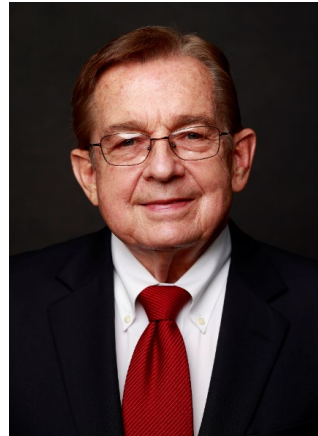
T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation
Staff recommends the Board direct staff to place Resolution No. 1126 on the next Board of Directors regular meeting agenda for consideration.

Discussion Item 4.3 (Pg. 39)

Matthew Howard, MS – Water Resources Senior Planner

Consideration of the USGS Data Collection Program for Fiscal Year 2021 - 2022

Staff Recommendation
Staff recommends forwarding the Joint Funding Agreement to the next Board of Directors' meeting for consideration.

USGS Data Collection Program

The USGS has provided Data Collection services for Valley District for the past several decades, in support of the:
◦ Western - San Bernardino Watermaster
◦ Santa Ana River Watermaster
◦ Habitat Conservation Plan

Element 1: Watermaster Data-Collection Program

- Total of 25 Stream Gauges
- Total of 4 Precipitation Stations
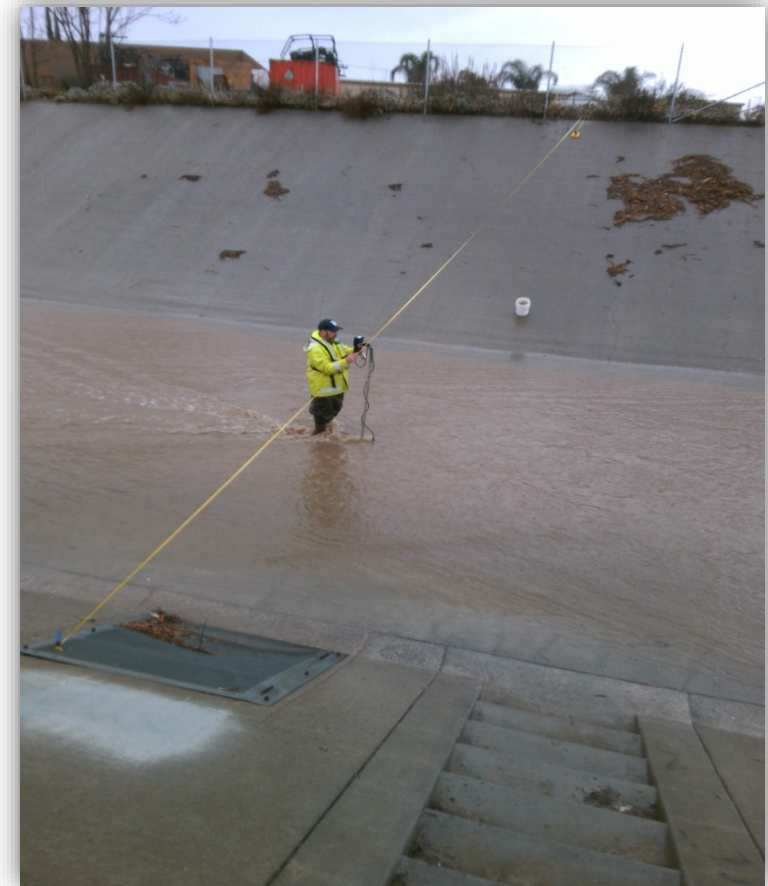
Element 2 - Groundwater Level Monitoring Program

- 40 groundwater monitoring sites which contain a total 162 observations wells for monitoring WL's
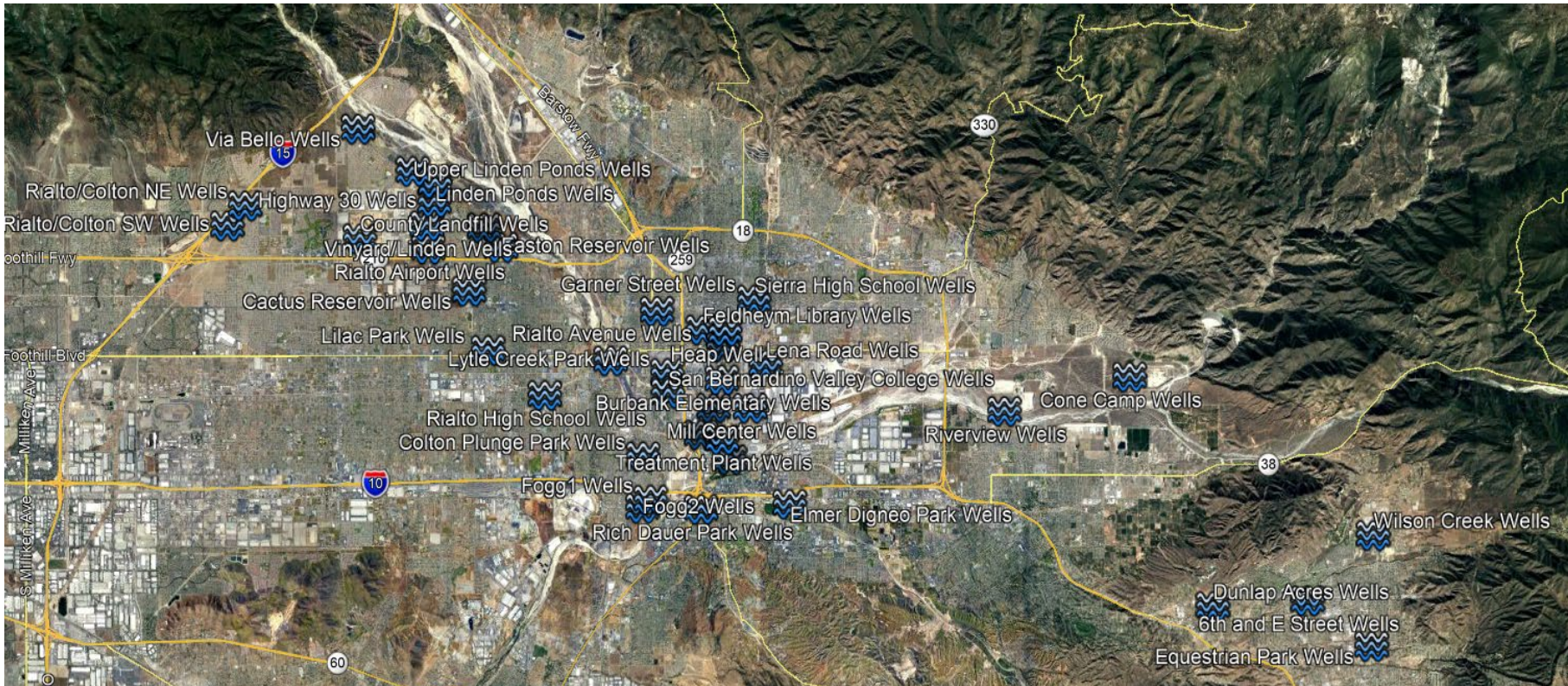
Program Summary for FY 2021-2022

Program Elements:

1. Watermaster Data Collection Program

2. Groundwater Level Monitoring Program

3. Habitat Conservation Plan (RIX outflow)

Cost of Program:

Total Cost: $1,124,370

USGS Contribution: $159,000

Reimbursement from Partners: $222,265

Valley District Total: $743,105

Director Comments and Discussion

Paul Kielhold
President

June Hayes
Vice President

T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation
Staff recommends forwarding the Joint Funding Agreement to the next Board of Directors' meeting for consideration.

Discussion Item 4.4 (Pg. 49)

Melissa Zoba, MBA, MPA – Chief Information Officer

Consider Entering into an Agreement with ESRI for Development of a Real Time GIS Environment Configuration

Staff Recommendation
Direct staff to place the proposed Professional Services Agreement for the Development of a Real Time GIS Environment Configuration on a future Board of Director's meeting for consideration.

BIS Objectives

BUSINESS INFORMATION SERVICES			
Support Business Processes and Staff Resources	**Invest in Technology**	**Protect Critical Assets**	**Develop Innovative Tools and Resources**
Support the District's staff with reliable information technology and services to improve user productivity	Invest in the technology that will improve organizational effectiveness, increase efficiency and drive high organizational performance	Protect the District's critical assets through continuous monitoring, strategic incident response, centralized identity management, rapid recovery, and resilient systems	Develop the tools and resources to improve workflows, manage and share information more readily, and support more informed decision making

BACKGROUND

- Water delivery data collected through SCADA serves as a foundation for numerous business processes

- Data is maintained in different file formats and disseminated through various output sources

- Current practice has the potential for duplication of effort and data entry error

- Leverage existing GIS environment to enable more effective collection, processing, and output of data

San Bernardino Valley Municipal Water District

Document 1 (left)

Readings For

YUCAIPA PIPE...

Mill Creek Inlet Meter Stati...
Surge Tank (2919.23' - 2949.23')
MC Turbidity
Yucaipa Lo Flow
Yucaipa Hi Flow (C103)
Upper Spill Flow
Lower Spill Flow
MC #1 Penstk Flow
RPU Flow
Parshall Flume Flow
MC #3 Penstk Flow

Yucaipa T/O - #1
CHR Level (Calc.)
Water Temperature
YVWD Crystal Creek TP - Tank Level (
System Pressure
Station Inlet Pressure
Station Outlet Pressure
Station Flow
YVWD Crystal Creek TP - Effluent Flo

Wilson Creek T/O
System Pressure
Outlet Pressure
Station Flow

Yucaipa Lakes
Station Battery Voltage
Station Flow (from EBX)
Station Flow

City of Redlands
Tate Water Treatment Pla...
Plant Influent Temperature
Influent Turbidity
Effluent Turbidity
Effluent Chlorine Residual
Coolie Hat Time
Coolie Hat Flow(C474)
Influent Flow (CFS)
Influent Flow (MGD)
East Weir Flow (Calc.)

Document 2 (center-left)

San Bernardino Valley Municipal Water District

| Month: April | Year: 2021 |

Date	Time	Operator	To... Ac...
1	0000	DM	9...
2	0000	DM	9...
3	0000	DM	9...
4	0000	DM	9...
5	0000	DM	9...
6	0000	MS	9...
7	0000	MS	9...
8	0000	MS	9...
9	0000	MS	9...
10	0000	MS	9...
11	0000	MS	9...
12	0000	MS	9...
13	0000	GM	9...
14	0000	GM	9...
15	0000	GM	9...
16	0000	GM	9...
17	0000	GM	9...
18	0000	GM	9...
19	0000	MR	9...
20	0000	MR	9...
21	0000	MR	9...
22	0000	MS	9...
23	0000	MS	9...
24	0000	MR	9...
25	0000	MR	9...
26	0000	EM	9...
27	0000	EM	9...
28	0000	EM	9566.5	19.8	8.0
29	0630	EM	9586.3	11.2	8.0
30	0000	EM	9597.5	19.6	9.9
1	0000	EM	9617.1		9.8
Total ACFT	541.0		

Document 3 (center)

San Bernardino Valley Municipal Water District

Delivery of V...

Measurement / Delivery Point	JAN	FEB	MAR
IMPORTED WATER SUPPLIES			
ADDITIONAL SUPPLIES VIA SWP			
Multi-year Water Pool Demo	0	0	
Kern Delta Water Bank	0	0	
Sub-total additional supplies	0	0	
STATE WATER PROJECT DELIVERY CATEGORIES			
CLAWA Sale (2007 Agreement)	0	0	
2018 Carry-over spill	0	0	
Santa Clara Exchange	0	0	
Kern Delta Water Bank	0	0	
State Water Project - Local Deliveries	492	502	
Sub-total Deliveries via SWP (DWR meters)	492	502	
RECHARGE DELIVERIES			
Glen Helen Turnout	0.0	0.0	
Sweetwater			
Sweetwater - SBBA GC	0.0	0.0	0.0
Sweetwater - Valley District	0.0	0.0	0.0
Badger			
Badger - SBBA GC	0.0	0.0	0.0
Waterman			
Waterman - SBBA GC	0.0	0.0	0.0
Waterman - BLF Obligation - RHWC	0.0	0.0	0.0
Waterman - BLF Obligation - Rialto	0.0	0.0	0.0
Waterman - BLF Obligation - WVWD	0.0	0.0	0.0
Waterman - Valley District	0.0	0.0	0.0
Patton	0.0	0.0	0.0
Santa Ana Low			
Santa Ana Low - EVWD In-Lieu	0.0	0.0	0.0
Santa Ana Low - SBBA GC	0.0	0.0	0.0
Santa Ana Low - BVMWC	0.0	0.0	0.0
Santa Ana Low - Redlands	0.0	0.0	0.0
Santa Ana Low - Valley District	0.0	0.0	0.0
Plunge Creek - Valley District	0.0	0.0	0.0
Mill Creek Spreading			
Mill Creek Spreading - Redlands	0.0	0.0	0.0
Mill Creek Spreading - Valley District	0.0	0.0	0.0

Document 4 (right) — Invoice

San Bernardino Valley Municipal Water District
380 E. Vanderbilt Way, San Bernardino CA 92408
Phone: (909) 387-9211
FAX: (909) 387-9247

Invoice

DATE	INVOICE NO.
11/30/2020	3534

Revised

BILL TO
YUCAIPA VALLEY WATER DISTRICT
PO BOX 730
YUCAIPA, CA 92399-0458

P.O. NO.	TERMS	PROJECT

DESCRIPTION	QUANTITY	UNIT OF MEASURE	RATE	AMOUNT
GROUNDWATER COUNCIL EQUITABLE ALLOCATION SHARE OF WATER FOR 2020	128	AF	118.40	15,155.20
INVOICE FOR: FISCAL YEAR 2020-2021				
			Total	$15,155.20

SCOPE OF WORK
Real Time GIS Environment Configuration

Requirements Verification and Solution Design (up to 40 hours)

- Conduct workshop to identify requirements and determine solution
- Identify up to three information products (maps, apps or dashboard) to be configured once SCADA data is available in ArcGIS

ArcGIS Environment for Real Time GIS (up to 64 hours)

- Install and Configure ArcGIS Enterprise components to support ArcGIS GeoEvent
- Configure Output Connector to write to data store
- Configure information products identified in solution design

Completion Date - No later than December 31, 2021

FISCAL IMPACT

- **Total Cost:** Not-to Exceed $34,515

- Funds for this expenditure are included in the approved 2021-2022 General Fund Budget under Line Item 6360, Consultants

Director Comments and Discussion

Paul Kielhold
President

June Hayes
Vice President

T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation

Direct staff to place the proposed Professional Services Agreement for the Development of a Real Time GIS Environment Configuration on a future Board of Director's meeting for consideration.

Discussion Item 4.5 (Pg. 66)

Melissa Zoba, MBA, MPA – Chief Information Officer

Consider ESRI Enterprise Advantage Program for FY 2021-22
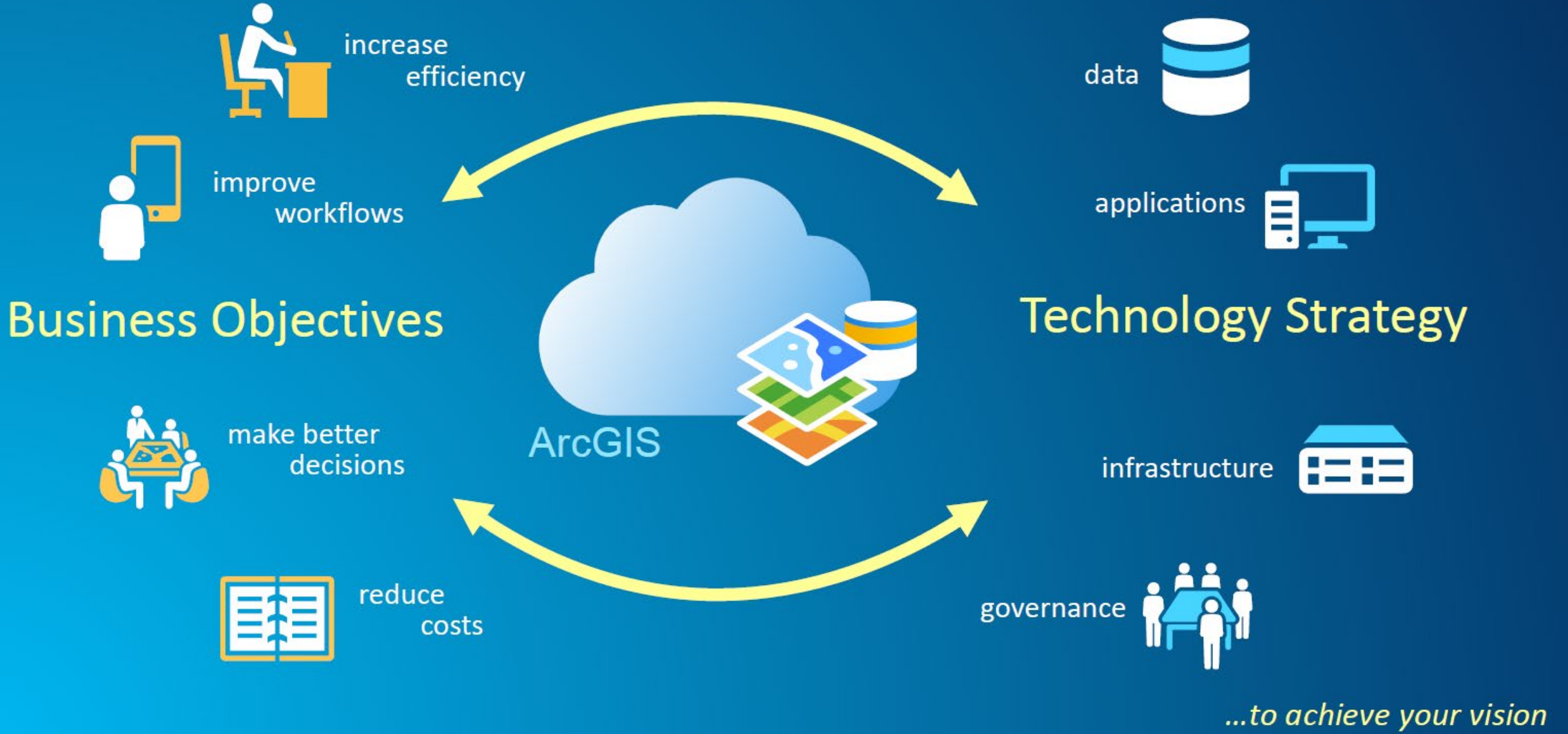
Staff Recommendation
Direct staff to place the proposed ESRI Enterprise Advantage Program contract for FY 2021-22 on a future Board of Director's meeting for consideration.
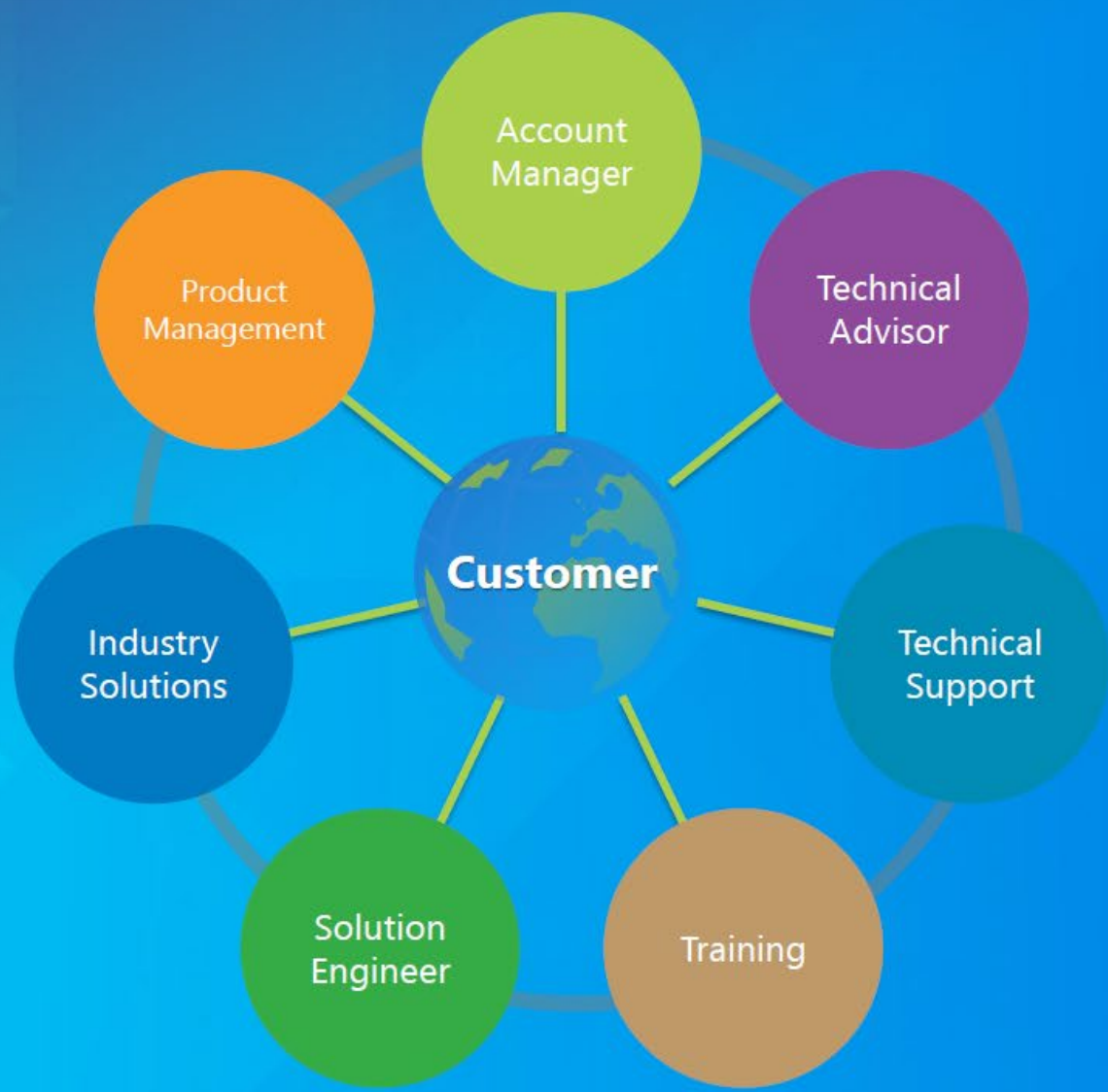
Maximize the Value of the ArcGIS Platform
Driving Alignment and Enablement

increase efficiency

improve workflows

Business Objectives

make better decisions

reduce costs

data

applications

Technology Strategy

infrastructure

governance

ArcGIS

...to achieve your vision

Identify EEAP activities that support short & long-term goals to ensure there is continuous alignment between organizational business objectives and a technology strategy for how the ArcGIS platform can support Valley District
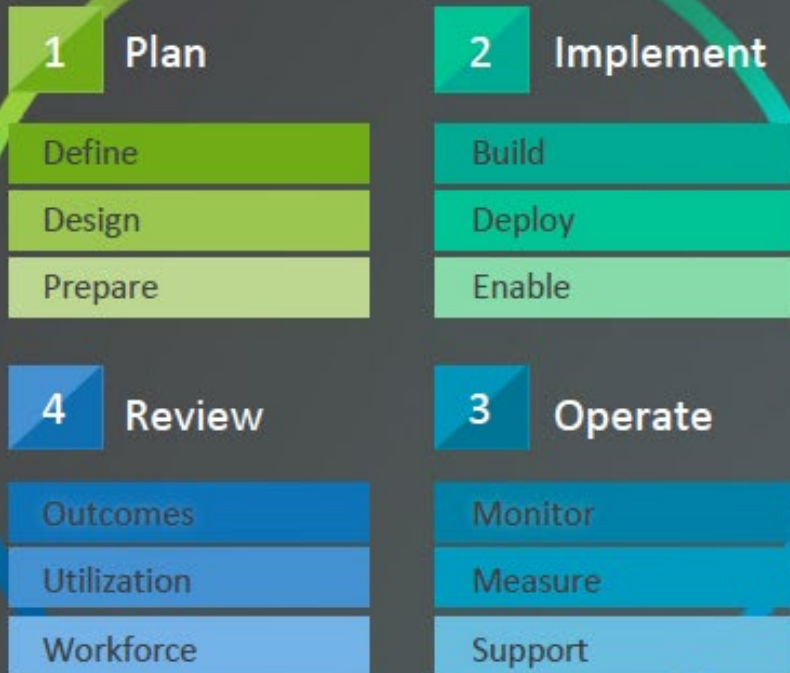
The Esri Method

Maximize Business Impact with GIS

Location Strategy

Vision	Roadmap
Business Vision	Business Processes
Success Criteria	Information & Technology
Initiative Definition	Workforce Capabilities
	Prioritized Initiatives

Initiative Cycle

1 Plan

- Define
- Design
- Prepare

2 Implement

- Build
- Deploy
- Enable

4 Review

- Outcomes
- Utilization
- Workforce

3 Operate

- Monitor
- Measure
- Support

SCOPE OF WORK

Annual subscription

- Includes 50 hours for enterprise-wide visioning and geospatial enablement through technical advisory, an annual planning meeting, a collaboratively developed technical work plan, and access to exclusive quarterly technology webcasts

- Combination of consulting, premium support, and training services

- Quarterly Technology Webcasts and 50 Learning and Services Credits

- The EAP is **_not_** designed for ESRI to provide project-specific professional services such as custom application or database development. Specific tasks to support the technical work plan will be brought to the Board as required.

FISCAL IMPACT

- **Total Cost:** $52,100

- Funds for this expenditure are included in the approved 2021-2022 General Fund Budget under Line Item 6360, Consultants
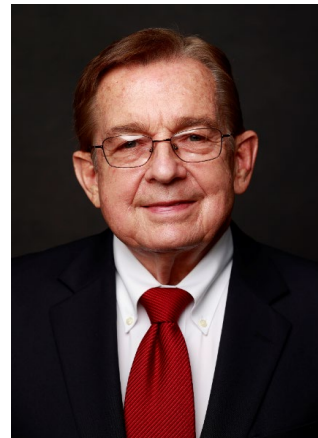
Director Comments and Discussion

Paul Kielhold
President

June Hayes
Vice President

T. Milford Harrison
Treasurer

Gil J. Botello
Director

Susan Longville
Director

Staff Recommendation
Direct staff to place the proposed ESRI Enterprise Advantage Program contract for FY 2021-22 on a future Board of Director's meeting for consideration.

Future Business

Adjournment