

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

Ridgecrest City Hall 100 W California Ave., Ridgecrest, CA 93555 760-499-5002

BOARD OF DIRECTORS REVISED A G E N D A

Thursday, February 21, 2019

Closed Session 10:00 a.m.

Open Session 11:00 a.m.

Pursuant to California Government Code 54953(B)(1) An Additional Call In Location Has Been Established For A Board Member Who Will Attend This Meeting Via Teleconference At: 222 West Hospitality Lane, 2nd Floor – Special District's Office, San Bernardino, CA 92415

In compliance with the Americans with Disabilities Act, if you are a disabled person and you need a disability-related modification or accommodation to participate in this meeting, please contact Lauren Duffy at (760) 384-5511. Requests must be made as early as possible and at least one full business day before the start of the meeting. Documents and material relating to an open session agenda items that are provided to the IWVGA Board of Directors prior to a regular meeting will be available for public inspection and copying at Indian Wells Valley Water District, 500 Ridgecrest Blvd, Ridgecrest, CA 93555, or online at <https://iwwvga.org/>.

Statements from the Public

The public will be allowed to address the Board during Public Comments about subjects within the jurisdiction of the IWVGA Board and that are NOT on the agenda. No action may be taken on off-agenda items unless authorized by law. Questions posed to the Board may be answered after the meeting or at future meeting. Dialog or extended discussion between the public and the Board or staff will be limited in accordance with the Brown Act. The Public Comments portion of the meeting shall be limited to three (3) minutes per speaker. Each person is limited to one comment during Public Comments.

All remarks and questions should be addressed to the Board as a whole and not to any individual Board member or staff. There will be time after each action item on the agenda to receive comments from the public. Again, each speaker will be limited to three (3) minutes. Speakers should be brief and limit their comments to the specific subject being discussed. Persons will be limited to one comment per person unless directed by the Chair.

1. CALL TO ORDER – 10:00 a.m.

2. PUBLIC COMMENTS ON CLOSED SESSION

This time is reserved for the public to address the Board about CLOSED SESSION matters on the agenda. Comments are limited to three minutes per person.

3. CLOSED SESSION

- CONFERENCE WITH LEGAL COUNSEL - POTENTIAL LITIGATION (Government Code Section 54956.9(d)(2)(e)(1)) Number of cases: One (1) Significant exposure to litigation in the opinion of the Board of Directors on the advice of legal counsel, based on: Facts and circumstances that might result in litigation against the IWVGA but which

**IWVGA Board of Directors
Meeting of February 21, 2019**

are not yet known to a potential plaintiff or plaintiffs, which facts and circumstances need not be disclosed.

4. OPEN SESSION 11:00 a.m.

- a. Pledge of Allegiance

5. PRESENTATIONS:

- a. **Inyo-Mono Integrated Regional Water Management (IRWM)**

Description: Holly Alpert to provide a presentation on the group's achievements and how it may provide assistance to the IWVGA going forward.

6. PUBLIC COMMENTS

This time is reserved for the public to address the Board about matters NOT on the agenda. No action will be taken on non-agenda items unless authorized by law. Comments are limited to three minutes per person.

7. CONSENT AGENDA

- a. Approve Minutes of Board Meeting January 17, 2019
- b. Approve Expenditures
 - i. \$4,146.43 - RWG Law
 - ii. \$11,407.73, \$25,250.20, \$23,789.91, \$6,245.08 - DRI
 - iii. \$97,279.95 - Stetson Engineers

8. PRESENTATION OF DRI GROUNDWATER BASIN MODEL

9. FINANCIAL UPDATE AND REVIEW

10. APPROVAL OF 2019 IWVGA BUDGET

11. REPORT ON ACTIONS TAKEN TO NOTIFY/OBTAIN NON-COMPLIANT PUMPERS WELL REGISTRATION FORM AND DELINQUENT PUMP FEES – REQUEST BOARD TO AUTHORIZE LEGAL COUNSEL TO PURSUE LEGAL ACTION AGAINST NON-COMPLIANT PUMPERS

12. WATER RESOURCES MANAGER (WRM) REPORT

- a. Report/Discussion on Plan of Action and Milestones (POAM)
- b. Report on Proposition 1 Grant Status
- c. Report on Pump Fee Status/Schedule
- d. Report and Request Board for Direction on Committee to Review Water Marketer Proposals and Water Supply Augmentation Planning

13. STAFF REPORT ON FUTURE TAC AND PAC MEETINGS BEING HELD AT CITY HALL

14. BOARD QUESTIONS REGARDING POLICY ADVISORY COMMITTEE (PAC) AND TECHNICAL ADVISORY COMMITTEE (TAC) REPORTS

15. GENERAL MANAGER'S REPORT

- a. Discussion and Board consideration of outreach postcard

**IWVGA Board of Directors
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16. CLOSING COMMENTS

This time is reserved for comments by Board members and/or staff and to identify matters for future Board business

17. DATE AND TIME OF NEXT MEETING – March 21, 2019; 10:00 a.m.

18. CLOSED SESSION

- CONFERENCE WITH LEGAL COUNSEL - POTENTIAL LITIGATION (Government Code Section 54956.9(d)(2)(e)(1)) Number of cases: One (1) Significant exposure to litigation in the opinion of the Board of Directors on the advice of legal counsel, based on: Facts and circumstances that might result in litigation against the IWVGA but which are not yet known to a potential plaintiff or plaintiffs, which facts and circumstances need not be disclosed.

19. ADJOURN

Inyo-Mono Integrated Regional Water Management Program

HOLLY ALPERT, PH.D.
DIRECTOR
FEBRUARY 21, 2019



INTEGRATED REGIONAL WATER MANAGEMENT PROGRAM

What is integrated regional water management planning?

- ▶ Stakeholder-driven process to consider water management and planning at a regional scale
- ▶ Goal is to build capacity and increase regional self-sufficiency with respect to water resources

What is IRWMP?

DWR IRWM Program

- Started in 2002 with Prop. 50
- Encourage regions to self-form based on natural boundaries
 - Currently 48 IRWM regions
- Continued in 2006 with Prop. 84
 - \$1 billion for IRWM
- Region Acceptance Process
- Grant funding: planning, DAC, implementation
- Now Prop. 1 (2014)
 - \$510 million for IRWM
 - DACI Grant
 - Implementation

Inyo-Mono IRWM Program

- ▶ Started in 2008 with handful of stakeholders
- ▶ Over \$4.7 million in grants
- ▶ 16 projects
- ▶ Over 100 stakeholder and outreach meetings
- ▶ 40 signatories to MOU
- ▶ Eight regional objectives
 - ▶ Water supply, water quality, ecosystem health, infrastructure, climate variability, disadvantaged communities & tribes, stormwater/flood management, groundwater & surface water management



Inyo-Mono IRWM Region



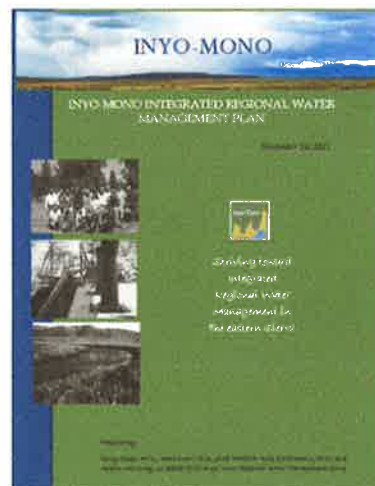
- ▶ All of Inyo & Mono Counties, plus Indian Wells Valley and parts of SB County
- ▶ 11% of state's land area
- ▶ 65 groundwater basins
- ▶ Population ~ 60,000

Inyo-Mono RWMG (Regional Water Management Group)



RWMG Members

- Amargosa Conservancy
- Amargosa Opera House and Hotel
- Big Pine Community Services District
- Big Pine Paiute Tribe
- Bishop Community Services District
- Bishop Paiute Tribe
- Bridgeport Indian Colony
- Bridgeport Public Utilities District
- Bureau of Land Management
- California Trout
- Central Sierra Resource Conservation and Development Council
- City of Bishop
- Crystal Crag Water & Development Association
- Desert Mammals RCD
- Eastern Kern County RCD
- Eastern Sierra Audubon Society
- Eastern Sierra Community Services District
- Eastern Sierra Land Trust
- Eastern Sierra Unified School District
- Fort Independence Amakumated Reservation
- Indian Wells Valley Cooperative Groundwater Management Group
- Indian Wells Valley Water District
- Inyo County
- John Lake Public Utilities District
- Lone Pine Paiute-Shoshone Reservation
- Lundy Mutual Water Company
- Mammoth Community Water District
- Mono County
- Mono County RCD
- Mono Lake Committee
- Owens Valley Committee
- Owens Valley Groundwater Authority
- Owens Valley Indian Water Commission
- Round Valley Joint Elementary School
- Sierra Club
- Town of Mammoth Lakes
- U.S. Forest Service
- Wheeler Crest CSD
- WRAMP Foundation



What we do: Planning

OLD CREEK WATERSHED
STREAM STABILITY ASSESSMENT AND RESTORATION
RECOGNITION REPORT



SPRING RESTORATION PROJECT
Prepared by TWT Biological Consultants
August 2010



What we do: Projects

What we do: Working with people





Emphasis on
Disadvantaged
Communities
(DACs) and
tribes

DAC: 80% OF STATEWIDE
MEDIAN HOUSEHOLD
INCOME

Prop. 1 DAC Involvement Grant

- ▶ Objective: increase engagement of DACs in IRWM process
- ▶ \$466,000
- ▶ Three years
- ▶ Outreach
- ▶ Water conservation education
- ▶ Needs assessment
- ▶ Technical Assistance
- ▶ Trainings
- ▶ Project Development
- ▶ SGMA support

What we've learned so far...

- ▶ Integrated, collaborative processes take a long time
- ▶ It's more about people than the water issues
- ▶ Important to be on-site and get to know the community
- ▶ Repeated outreach
- ▶ Maintain open, transparent process
- ▶ People are willing to be altruistic, particularly towards tribes and DACs
- ▶ Basic water issues need to be addressed first
- ▶ Keep trying to raise voice in Sacramento

Questions?

THANK YOU

- ▶ Holly Alpert, Ph.D.
- ▶ Director, Inyo-Mono IRWM Program
- ▶ holly@inyo-monowater.org
- ▶ 760-709-2212

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

City of Ridgecrest, Indian Wells Valley Water District, Inyo County, Kern County, San Bernardino County

BOARD OF DIRECTORS

MINUTES

Thursday, January 17, 2019; 10:00 a.m.

IWVGA Members Present:

Chairman Ron Kicinski, IWVWD	Don Zdeba, IWVGA General Manager
John Vallejo, Inyo County	James Worth, Legal Counsel
Mick Gleason, Kern County	Stephen Johnson, IWVGA Water Resources Manager
John Kersey, US Navy	Lauren Duffy, Clerk of the Board
Scott Hayman, City of Ridgecrest	

Meeting recording and public comment letters submitted are made available at:

<https://iwvga.org/iwvga-meetings/>

1. CALL TO ORDER:

The meeting is called to order by Chairman Kicinski at 10:02 a.m.

2. OPEN SESSION:

- a. The Pledge of Allegiance is led by Adam Bingham.

3. PUBLIC COMMENTS:

Judie Decker extends an invitation to all for a landscape workshop sponsored by the Eastern Kern County Resource Conservation District (EKCRCD), which will be held on January 26th. Also, a presentation regarding small agriculture will be held on February 22nd. A workshop regarding the new California Irrigation Management Information System (CIMIS) station will be held sometime in February also.

Sophia Merk asks for a moment of silence for the federal workers affected by the government shutdown.

4. CONSENT AGENDA:

- a. Approve Minutes of Board Meeting November 15, 2018
- b. 2019 Meeting Dates – 3rd Thursday of every month
- c. Approve Expenditures
 - i. \$9,124.76 and \$4,562.28 – RWG Law
 - ii. \$14,850.16 – DRI
 - iii. \$93,793.00 and \$104,642.97 – Stetson Engineers
 - iv. \$3,000.00 – Brown Armstrong Accountancy Corp.
 - v. \$216.00 Annual IWVGA Website Renewal and \$60.00 Domain name renewal (iwva.net, iwvga.org, iwvga.com) – Squarespace, Reimbursable to IWVWD
- d. Financial Report
- e. Approval of Resolution No. 01-19: Appointing Judie Decker as PAC representative for Eastern Kern County Resource Conservation District (EKCRCD)

Chairman Kicinski states that the incorrect director's name representing the Water District is shown in the voting records for the November 15th meeting minutes on agenda items #7, 9, and 10.

Director Vallejo requests consent agenda item #4C – Expenditures, be removed for further discussion. Director Vallejo questions if the IWVGA is being charged for a model run referred to in the Technical Advisory Committee report as unusable.

The Board hears comments from Renee Westa-Lusk.

Alan Christensen, attending via teleconference, provides a brief report on the Financial Update. Don Zdeba adds that, going forward, the portion of the report regarding pumping fees will show the actual amounts on the spreadsheet and not estimates.

Motion made by Mick Gleason and seconded by John Vallejo to approve Minutes of Board Meeting November 15, 2018 to include Chairman Kicinski's edits, 2019 Meeting Dates, Financial Update, and Resolution No. 01-19. Motion carried unanimously. (Ayes: Hayman, Kicinski, Gleason, Vallejo. Nays: None. Absent: Snoke.)

With regard to Director Vallejo's earlier question regarding the unusable model run, Mr. Johnson clarifies that he does not believe that the IWVGA is being charged for the unusable run. Mr. Johnson further explains that the issues with the model run will be resolved prior to bringing it back to the Board.

Director Gleason suggests that at a future meeting the Board meet an hour early to solely discuss finances. The suggested segmented time would be part of the regular Board Meeting and open to the public.

Motion made by Mick Gleason and seconded by John Vallejo to approve the following expenditures: \$9,124.76 and \$4,562.28 to RWG Law, \$14,850.16 to DRI, \$93,793.00 and \$104,642.97 to Stetson Engineers, \$3,000.00 to Brown Armstrong Accountancy Corp, and \$216.00 and \$60.00 for annual IWVGA Website costs, reimbursable to IWVWD. Motion carried unanimously. (Ayes: Hayman, Kicinski, Gleason, Vallejo. Nays: None. Absent: Snoke.)

Chairman Kicinski announces agenda item #8 – Imported Water RFP/RFQ and Water Marketers Presentations will be moved up on the agenda and be discussed prior to agenda item #5.

IMPORTED WATER RFQ/RFP AND WATER MARKETERS PRESENTATIONS:

All presentations made by water marketers are available online at www.iwvga.org

a. Board Direction to Staff on Next Steps:

Director Gleason comments that an augmentation strategy is needed and suggests forming a committee to develop a general outline of said strategy.

The Board hears comments from Chuck Griffin, Renee Westa-Lusk, Raymond Kelso, Judie Decker, and West Katzenstein.

The Board directs Staff and the WRM to develop a committee to include the TAC and PAC chairs, staff, the WRM, and member(s) of the Board. The committee will develop a general outline of an augmentation strategy and present recommendations to the Board.

b. Staff Team Recommendation, Board Ad-Hoc Recommendation, and other:

Staff will report back to the Board at the Next IWVGA Board meeting with committee recommendations.

5. WATER REOURCES MANAGER REPORT:

a. Report/Discussion on Plan of Action and Milestones (POAM):

Heather Steele provides a report on the updated POAM. (Available at www.IWVGA.org)

b. Report on Proposition 1 Grant Status:

Ms. Steele provides an update on the Proposition 1 Grant status. The first invoice and progress report have been drafted and submitted to Department of Water Resources (DWR) for preliminary review on January 11, 2019. The first invoice and report covered a period of over one year and totaled around \$377,000 to be reimbursed by Proposition 1 funding. Some funding is retained until all completed reports are submitted. Staff is expecting around \$340,000 reimbursement for this invoice. Both the Invoice #1 and Progress Report #1 are to be submitted by January 24, 2019. It is unknown how long the reimbursement may take.

c. Report on Pump fee Status/Schedule:

Ms. Steele provides an update on the pump fee status. As of January 10, 2019, 46 accounts have registered and have been submitting payments. Staff has been going through a process to establish if there are more non-de-minimis users. The pump fee has produced \$132,462.52. Due to the season, many pumpers have reduced pumping. Another delinquent notice is due to be mailed in January.

d. Well Monitoring:

i. Technical Support Services (TSS) Scope and Budget:

Steve Johnson reports on the TSS scope and budget. At a past meeting the Board directed Staff to follow up on the TSS opportunity through DWR. A general application, which acts as a placeholder, was submitted to DWR. Another application listing specific projects will now need to be submitted to move forward. Staff is currently working on a well monitoring program with help from the Indian Wells Valley Water District (IWVWD) consultant, who is also completing the application on behalf of the IWVGA. Jean Moran, of Stetson Engineers, is assisting IWVWD with some of the technical aspects of the application. In order to move forward, the Board needs to approve the scope and budget for the TSS. Mr. Johnson reviews the scope and budget TSS support work with the Board.

The Board hears comments from Peter Brown.

Motion made by Mick Gleason and seconded by John Vallejo to approve expenditures associated with the TSS Scope and Budget agenda item. Motion carried unanimously. (Ayes: Hayman, Kicinski, Gleason, Vallejo. Nays: None. Absent: Snoke.)

e. Navy/Coso Projects Priority List:

Mr. Johnson reviews the draft letter regarding the critical projects to support development of groundwater sustainability plan (GSP) for the Indian Wells Valley basin; submittal of prioritized listing of projects with the Board. Staff asks for approval of sending the letter to the necessary parties of the Navy.

John Kersey comments that the Navy currently does not have any guidance on how to implement these funds, and until they have that guidance the Navy has no way of working on the priority list. Once they receive the guidance, the Navy will be more than happy to address the list.

The Board hears comments from Don Decker.

Motion made by Mick Gleason and seconded by John Vallejo to approve the sending of the letter and priority list. Motion carried unanimously. (Ayes: Hayman, Kicinski, Gleason, Vallejo. Nays: None. Absent: Snoke.)

6. APPROVAL OF WELINTEL PROPOSAL FOR INDIAN WELLS VALLEY BASIN MONITORING:

Lee Knudtson attended the November 1, 2018 TAC meeting and made a presentation on the well monitoring system that WelIntel offers. At the January 3, 2019 TAC meeting, Mr. Knudtson presented a proposal that WelIntel would like to offer the IWVGA, which would demonstrate their well monitoring program at no cost to the IWVGA. Mr. Knudtson provides a brief overview on WelIntel. The proposal includes a 60-day trial of 10 wells, which Mr. Knudtson would provide the equipment and installation with no charge up front. The IWVGA then has the option to opt out when the 60-day trial is over.

The Board hears comments from Don Decker, Renee Westa-Lusk, Judie Decker, Peter Brown, and West Katzenstein.

The 10 well locations are to be determined by staff and the WRM.

Motion made by Mick Gleason and seconded by John Vallejo to authorize the General Manager to sign the proposal and further authorization for the Water Resources Manager and staff to work with WelIntel to develop the details to implement the 60-day trial project and to report back to the Board after the trial for further recommendation and/or authorization. Motion carried unanimously. (Ayes: Hayman, Kicinski, Gleason, Vallejo. Nays: None. Absent: Snoke.)

7. APPROVAL OF GENERAL LIABILITY INSURANCE COVERAGES FOR IWVGA: Don Zdeba reads the memorandum regarding the General Liability Insurance for the IWVGA.

Motion made by John Vallejo and seconded by Mick Gleason to approve the Agreement to Become a Party to the Amended Joint Powers Agreement and authorize the Chair to sign the Agreement. Motion carried unanimously. (Ayes: Hayman, Kicinski, Gleason, Vallejo. Nays: None. Absent: Snoke.)

8. IMPORTED WATER RFQ/RFP AND WATER MARKETERS PRESENTATIONS: *Agenda item discussed earlier in the meeting.*

9. REPORT FROM TECHNICAL ADVISORY COMMITTEE (TAC):

Adam Bingham, TAC chair, provides a report from the December 6, 2018 and January 3, 2019 IWVGA TAC Meetings.

10. REPORT FROM POLICY ADVISORY COMMITTEE (PAC):

David Janiec, PAC chair, provides a report from the December 6, 2018 and January 3, 2019 IWVGA PAC Meetings.

11. GENERAL MANAGER'S REPORT:

Don Zdeba, on behalf of Lauren Duffy and himself, thanks Ron Strand and Ricca Charlon for assisting them with a smooth transition from the City of Ridgecrest as General Manager and staff to the IWVWD.

12. CLOSING COMMENTS:

Director Vallejo comments the he looks forward to finding the best solutions for well owners and water users in the basin. He further states that the IWVGA needs to put some thought into its communication strategy with the public regarding the potential to import water into the basin because that potential solution is far from a certainty.

Director Gleason asks if it's possible for all future PAC and TAC meetings to be held at City Hall and video recorded. Staff to present costs and availability at a future Board meeting. Director Gleason also asks for legal counsel to provide a report at the next Board meeting if alternates can attend Closed Sessions.

13. DATE AND TIME OF NEXT MEETING:

The next IWVGA Regular Board Meeting will be held on February 21, 2019; at 10:00 a.m.

With no further Board or Public comments, Chairman Kicinski recessed the meeting at 1:55 p.m. for 10 minutes.

The meeting reconvened into Closed Session at 2:07 p.m.

14. CLOSED SESSION:

- CONFERENCE WITH LEGAL COUNSEL - POTENTIAL LITIGATION (Government Code Section 54956.9(d)(2)(e)(1)) Number of cases: Two (2) Significant exposure to litigation in the opinion of the Board of Directors on the advice of legal counsel, based on: Facts and circumstances that might result in litigation against the IWVGA but which are not yet known to a potential plaintiff or plaintiffs, which facts and circumstances need not be disclosed.

The meeting is reconvened into Open Session at 2:58 p.m.

Attorney Worth states that the Board authorized IWVGA staff to send final Notice letters to pumpers that are not in compliance with the "pump fee" enacted by way or Ordinance 02-18 advising that the IWVGA will pursue all legal remedies available to enforce the pump fee.

No other action was taken that requires disclosure under the Brown Act.

15. ADJOURN:

With no further Board or Public comments, Chairman Kicinski adjourns the meeting at 3:00 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Lauren Duffy', is written over the printed name.

Lauren Duffy
Clerk of the Board of Directors
Indian Wells Valley Groundwater Authority



Invoice for Indian Wells Valley Grndwater Authority

INVOICE TO

Indian Wells Valley Groundwater Authority
c/o City of Ridgecrest - City Clerk
100 W. California Ave
Ridgecrest, CA 93555

INVOICE NUMBER: **CI-06-1159 / 03**

DATE: **09/20/18**

AMOUNT: **\$6,245.08**

TERMS: **Due Upon Receipt**

Contract/Grant/Agreement/Purchase Order Indian Wells Valley Grndwater Authority Contract Dated 5/23/18	Period Billed	
	From	To
	8/1/2018	8/31/2018
Title: Indian Wells Valley Groundwater Authority / Groundwater Sustainability Plan - Model Coordination		
P.I.: Chapman, Jenny		
DRI Acct: AWD-06-00000423 / GR07189 RC0068 TAX ID #: 886000024		
Cost Elements/Services	Current	Cumulative

Indian Wells Valley Grndwater Authority

Salaries	4,233.95	15,905.25
Fringe Benefits	2,011.13	8,122.88
Travel	0.00	1,922.12
Operating	0.00	0.00
Totals	6,245.08	25,950.25

Total Amount Due This Invoice **6,245.08**

Budget Amount 239,934.00
 Invoiced to Date 25,950.25
 Budget Balance **213,983.75**

"I certify to the best of my ability that all expenditures reported are for appropriate purposes and in accordance with the provisions of the award documentation."

for S. Schmidt
 Sherril Schmidt, Sponsored Research Specialist
 (775) 673-7404

09/20/18

Date

Make Check Payable To: **Board of Regents**

Mail Check To:

Desert Research Institute
 Financial Services Office
 2215 Raggio Parkway
 Reno, Nevada 89512-1095

* Please return Invoice Copy with Check *





Invoice for Indian Wells Valley Grndwater Authority

INVOICE TO

Indian Wells Valley Groundwater Authority
c/o City of Ridgecrest - City Clerk
100 W. California Ave
Ridgecrest, CA 93555

INVOICE NUMBER: CI-06-1330 / 04

DATE: 11/06/18

AMOUNT: \$23,789.91

TERMS: Due Upon Receipt

Contract/Grant/Agreement/Purchase Order	Period Billed	
Indian Wells Valley Grndwater Authority	From	To
Contract Dated 5/23/18	9/1/2018	9/30/2018
Title: Indian Wells Valley Groundwater Authority / Groundwater Sustainability Plan - Model Coordination		
P.I.: Chapman, Jenny		
DRI Acct: AWD-06-00000423 / GR07189 RC0068 TAX ID #: 886000024		
Cost Elements/Services	Current	Cumulative

Indian Wells Valley Grndwater Authority

Salaries	15,464.04	31,369.29
Fringe Benefits	7,345.44	15,468.32
Travel	980.43	2,902.55
Operating	0.00	0.00
Totals	23,789.91	49,740.16

Total Amount Due This Invoice

23,789.91

Budget Amount 239,934.00
Invoiced to Date 49,740.16
Budget Balance **190,193.84**

"I certify to the best of my ability that all expenditures reported are for appropriate purposes and in accordance with the provisions of the award documentation."

Sherril Schmidt

11/06/18

Sherril Schmidt, Sponsored Research Specialist

Date

(775) 673-7404

Make Check Payable To: Board of Regents

Mail Check To:

Desert Research Institute
Financial Services Office
2215 Raggio Parkway
Reno, Nevada 89512-1095

* Please return Invoice Copy with Check *





Invoice for Indian Wells Valley Grndwater Authority ✓

INVOICE TO

Indian Wells Valley Groundwater Authority
c/o City of Ridgecrest - City Clerk
100 W. California Ave
Ridgecrest, CA 93555

INVOICE NUMBER: CI-06-1364 / 05 ✓

DATE: 11/13/18

AMOUNT: \$25,250.20 ✓

TERMS: Due Upon Receipt

Contract/Grant/Agreement/Purchase Order	Period Billed	
Indian Wells Valley Grndwater Authority ✓	From	To
Contract Dated 5/23/18	10/1/2018	10/31/2018
Title: Indian Wells Valley Groundwater Authority / Groundwater Sustainability Plan - Model Coordination		
P.I.: Chapman, Jenny		
DRI Acct: AWD-06-00000423 / GR07189 RC0068 TAX ID #: 886000024		
Cost Elements/Services	Current	Cumulative

Indian Wells Valley Grndwater Authority ✓

Salaries	16,575.42	47,944.71
Fringe Benefits	7,835.90	23,304.22
Travel	838.88	3,741.42
Operating	0.00	0.00
Totals	25,250.20	74,990.36

Total Amount Due This Invoice 25,250.20 ✓

Budget Amount 239,934.00
Invoiced to Date 74,990.36
Budget Balance 164,943.65

"I certify to the best of my ability that all expenditures reported are for appropriate purposes and in accordance with the provisions of the award documentation."

Sherril Schmidt

11/13/18

Sherril Schmidt, Sponsored Research Specialist

Date

(775) 673-7404

Make Check Payable To: Board of Regents

Mail Check To:

Desert Research Institute
Financial Services Office
2215 Raggio Parkway
Reno, Nevada 89512-1095

* Please return Invoice Copy with Check *





Invoice for Indian Wells Valley Grndwater Authority

INVOICE TO

Indian Wells Valley Groundwater Authority
c/o City of Ridgecrest - City Clerk
100 W. California Ave
Ridgecrest, CA 93555

INVOICE NUMBER: **CI-06-1628 / 07**

DATE: 01/17/19

AMOUNT: **\$11,407.73**

TERMS: Due Upon Receipt

Contract/Grant/Agreement/Purchase Order Indian Wells Valley Grndwater Authority Contract Dated 5/23/18	Period Billed	
	From 12/1/2018	To 12/31/2018
Title: Indian Wells Valley Groundwater Authority / Groundwater Sustainability Plan - Model Coordination		
P.I.: Chapman, Jenny		
DRI Acct: AWD-06-00000423 / GR07189 RC0068 TAX ID #: 886000024		
Cost Elements/Services	Current	Cumulative

Indian Wells Valley Grndwater Authority

Salaries	7,734.06	65,769.28
Fringe Benefits	3,673.67	31,725.54
Travel	0.00	3,741.42
Operating	0.00	12.00
Totals	11,407.73	101,248.25

Total Amount Due This Invoice **11,407.73**

Budget Amount 239,934.00
Invoiced to Date 101,248.25
Budget Balance **138,685.75**

"I certify to the best of my ability that all expenditures reported are for appropriate purposes and in accordance with the provisions of the award documentation."

Sherril Schmidt, Sponsored Research Specialist
(775) 673-7404

01/17/19

Date

Make Check Payable To: Board of Regents

Mail Check To:

Desert Research Institute
Financial Services Office
2215 Raggio Parkway
Reno, Nevada 89512-1095

* Please return Invoice Copy with Check *





2171 E. Francisco Blvd., Suite K • San Rafael, California 94901
 Phone: (415) 457-0701 • FAX: (415) 457-1638 • Website: www.stetsonengineers.com
 Northern California • Southern California • Arizona • Colorado • Oregon

Invoice

County of Kern
 County Administrative Office
 1115 Truxtun Ave., 5th Floor
 Bakersfield CA 93301
 ATTN.: Mr. Alan Christensen

Invoice Number: 2652-17

Invoice Date: 02/13/2019

Project #: 2652

Indian Wells Valley Groundwater Authority

Professional Services for the Period 12/01/2018 through 12/31/2018

Water Resources Management

01 - Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority & Committees to Dev

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	33.00	\$230.00	\$7,590.00
Supervisor I	19.00	\$200.00	\$3,800.00
Senior II	5.00	\$145.00	\$725.00
Associate I	22.00	\$115.00	\$2,530.00
Associate III	3.75	\$105.00	\$393.75
Senior Assistant	7.00	\$100.00	\$700.00
Administrative II	2.25	\$65.00	\$146.25
<i>Professional Services Subtotal:</i>			<u>\$15,885.00</u>
Reimbursables			<u>Charge</u>
Reproduction (Color: 11"x17")			\$47.25
Reproduction (Color)			\$133.50
Lodging			\$118.64
Mileage			\$152.60
Reproduction			\$60.00
Telephone - Conference Call			\$12.11
<i>Reimbursables Subtotal:</i>			<u>\$524.10</u>
<i>Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority & Committees to Dev</i>			<u>\$16,409.10</u>

02.01 - Prop 1 Grant Administration

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	9.50	\$230.00	\$2,185.00
Associate I	44.00	\$115.00	\$5,060.00
Associate III	15.00	\$105.00	\$1,575.00
<i>Professional Services Subtotal:</i>			<u>\$8,820.00</u>
<i>Prop 1 Grant Administration Subtotal:</i>			<u>\$8,820.00</u>

03 - Review of Basin GW Model - GSP Compliance/Prep HCM

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	13.00	\$200.00	\$2,600.00
Technical Illustrator	34.50	\$85.00	\$2,932.50
<i>Professional Services Subtotal:</i>			<u>\$5,532.50</u>
<i>Review of Basin GW Model - GSP Compliance/Prep HCM Subtotal:</i>			<u>\$5,532.50</u>

04.01 - Data Gaps

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
------------------------------	-------------------	------------------	---------------

**04.01 - Data Gaps****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	19.00	\$200.00	\$3,800.00
<i>Professional Services Subtotal:</i>			<u>\$3,800.00</u>
<i>Data Gaps Subtotal:</i>			<u>\$3,800.00</u>

04.02 - Data Management System**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	9.00	\$230.00	\$2,070.00
Supervisor I	18.00	\$200.00	\$3,600.00
Associate I	7.25	\$115.00	\$833.75
GIS Manager	0.50	\$115.00	\$57.50
<i>Professional Services Subtotal:</i>			<u>\$6,561.25</u>
<i>Data Management System Subtotal:</i>			<u>\$6,561.25</u>

05 - Project Management Costs & Schedule**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Associate I	1.50	\$115.00	\$172.50
<i>Professional Services Subtotal:</i>			<u>\$172.50</u>
<i>Project Management Costs & Schedule Subtotal:</i>			<u>\$172.50</u>

06 - IWVGW Basin 3rd Party Sustainability/Safe Yield Rev (GSP Compliance)/Numeric**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.50	\$230.00	\$575.00
Supervisor I	12.00	\$200.00	\$2,400.00
Senior I	17.25	\$160.00	\$2,760.00
<i>Professional Services Subtotal:</i>			<u>\$5,735.00</u>
<i>IWVGW Basin 3rd Party Sustainability/Safe Yield Rev (GSP Compliance)/Numerica</i>			<u>\$5,735.00</u>

07 - IWVGW Basin Opptys & Constraints for Alt Imported Water Supplies**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Senior Assistant	20.50	\$100.00	\$2,050.00
<i>Professional Services Subtotal:</i>			<u>\$2,050.00</u>
<i>IWVGW Basin Opptys & Constraints for Alt Imported Water Supplies Subtotal:</i>			<u>\$2,050.00</u>

07.01 - Imported Water RFP**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$230.00	\$460.00
Supervisor I	5.50	\$200.00	\$1,100.00
Senior Assistant	17.00	\$100.00	\$1,700.00
<i>Professional Services Subtotal:</i>			<u>\$3,260.00</u>
<i>Imported Water RFP Subtotal:</i>			<u>\$3,260.00</u>

08.03 - Plan Area and Basin Setting**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$230.00	\$460.00
Supervisor I	2.00	\$200.00	\$400.00
Associate I	2.50	\$115.00	\$287.50
Senior Assistant	30.50	\$100.00	\$3,050.00
<i>Professional Services Subtotal:</i>			<u>\$4,197.50</u>
<i>Plan Area and Basin Setting Subtotal:</i>			<u>\$4,197.50</u>

**08.04 - Sustainable Management Criteria****Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	3.00	\$200.00	\$600.00
Associate I	5.00	\$115.00	\$575.00
Senior Assistant	11.00	\$100.00	\$1,100.00

Professional Services Subtotal: \$2,275.00

Sustainable Management Criteria Subtotal: \$2,275.00

08.05 - Projects and Management Actions**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Associate I	2.00	\$115.00	\$230.00
Senior Assistant	16.50	\$100.00	\$1,650.00

Professional Services Subtotal: \$1,880.00

Projects and Management Actions Subtotal: \$1,880.00

08.05.01 - Pumping Allocation**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	12.50	\$230.00	\$2,875.00
Supervisor I	44.50	\$200.00	\$8,900.00
Supervisor II	18.00	\$185.00	\$3,330.00
Associate I	14.25	\$115.00	\$1,638.75
GIS Manager	12.00	\$115.00	\$1,380.00

Professional Services Subtotal: \$18,123.75

Reimbursables

	<u>Charge</u>
Mileage	\$73.03

Reimbursables Subtotal: \$73.03

Pumping Allocation Subtotal: \$18,196.78

11.01 - Monitoring Wells - Planning**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
GIS Manager	0.25	\$115.00	\$28.75

Professional Services Subtotal: \$28.75

Monitoring Wells - Planning Subtotal: \$28.75

11.03 - Stream Gages - Planning**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	12.00	\$230.00	\$2,760.00

Professional Services Subtotal: \$2,760.00

Reimbursables

	<u>Charge</u>
Car Rental	\$231.76
Lodging	\$118.64
Meals	\$58.42
Parking	\$54.00

Reimbursables Subtotal: \$462.82

Stream Gages - Planning Subtotal: \$3,222.82

11.07 - Weather Stations - Planning**Professional Services**

	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
GIS Manager	2.25	\$115.00	\$258.75

Professional Services Subtotal: \$258.75

Weather Stations - Planning Subtotal: \$258.75

**12 - SDAC Projects; Water Conservation & Rebate Program**

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	1.50	\$200.00	\$300.00
Senior Assistant	6.25	\$100.00	\$625.00
<i>Professional Services Subtotal:</i>			<u>\$925.00</u>
<i>SDAC Projects; Water Conservation & Rebate Program Subtotal:</i>			<u>\$925.00</u>

13 - SDAC Projects: Water Audit, Leak Detection & Leak Rpr Program

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Senior Assistant	6.25	\$100.00	\$625.00
<i>Professional Services Subtotal:</i>			<u>\$625.00</u>
<i>SDAC Projects: Water Audit, Leak Detection & Leak Rpr Program Subtotal:</i>			<u>\$625.00</u>

14 - Pumping Assessment Support

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.00	\$230.00	\$230.00
Supervisor I	1.00	\$200.00	\$200.00
Associate I	31.50	\$115.00	\$3,622.50
Assistant III	12.75	\$85.00	\$1,083.75
<i>Professional Services Subtotal:</i>			<u>\$5,136.25</u>
<i>Pumping Assessment Support Subtotal:</i>			<u>\$5,136.25</u>

15 - TSS Program

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	2.00	\$230.00	\$460.00
Supervisor I	1.00	\$200.00	\$200.00
Associate I	1.00	\$115.00	\$115.00
<i>Professional Services Subtotal:</i>			<u>\$775.00</u>
<i>TSS Program Subtotal:</i>			<u>\$775.00</u>

16 - Brackish Water Study Coordination

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Supervisor I	0.50	\$200.00	\$100.00
Associate I	2.00	\$115.00	\$230.00
Assistant III	75.75	\$85.00	\$6,438.75
<i>Professional Services Subtotal:</i>			<u>\$6,768.75</u>
<i>Brackish Water Study Coordination Subtotal:</i>			<u>\$6,768.75</u>

17 - Navy-COSO

Professional Services	<u>Bill Hours</u>	<u>Bill Rate</u>	<u>Charge</u>
Principal	1.50	\$230.00	\$345.00
Supervisor I	1.00	\$200.00	\$200.00
Associate III	1.00	\$105.00	\$105.00
<i>Professional Services Subtotal:</i>			<u>\$650.00</u>
<i>Navy-COSO Subtotal:</i>			<u>\$650.00</u>
<i>Water Resources Management Subtotal:</i>			<u>\$97,279.95</u>

***** Invoice Total *******\$97,279.95**



2171 E. Francisco Blvd., Suite K • San Rafael, California 94901
Phone: (415) 457-0701 • FAX: (415) 457-1638 • Website: www.stetsonengineers.com

Northern California • Southern California • Arizona • Colorado • Oregon

REIMBURSABLE SUMMARY

County of Kern
County Administrative Office
1115 Truxtun Ave., 5th Floor
Bakersfield CA 93301
ATTN.: Mr. Alan Christensen

Invoice Number: 2652-17

Invoice Date: 02/13/19

Project #: 2652 **Indian Wells Valley Groundwater Authority**
Manager: Stephen Johnson
Professional Services through 12/31/2018

Water Resources Management

01 - Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority & Committees to Dev GSP

Reimbursables

<u>Description</u>	<u>Date</u>	<u>Units</u>	<u>Unit Rate</u>	<u>Charge</u>	<u>Notes</u>
Lodging	12/06/2018	1.00	\$118.64	\$118.64	
Mileage	12/06/2018	280.00	\$0.55	\$152.60	
Telephone - Conference Call	12/13/2018	1.00	\$12.11	\$12.11	
Reproduction	12/31/2018	400.00	\$0.15	\$60.00	
Reproduction (Color)	12/31/2018	150.00	\$0.89	\$133.50	
Reproduction (Color: 11"x17")	12/31/2018	25.00	\$1.89	\$47.25	

Prep & Attend Board, PAC & TAC Mtgs/Consult w/ Authority & Committees to Dev GSP Sub-Total: \$524.10

08.05.01 - Pumping Allocation

Reimbursables

<u>Description</u>	<u>Date</u>	<u>Units</u>	<u>Unit Rate</u>	<u>Charge</u>	<u>Notes</u>
Mileage	12/07/2018	134.00	\$0.55	\$73.03	

Pumping Allocation Sub-Total: \$73.03

11.03 - Stream Gages - Planning

Reimbursables

<u>Description</u>	<u>Date</u>	<u>Units</u>	<u>Unit Rate</u>	<u>Charge</u>	<u>Notes</u>
Car Rental	12/06/2018	1.00	\$38.11	\$38.11	
Car Rental	12/06/2018	1.00	\$193.65	\$193.65	
Lodging	12/06/2018	1.00	\$118.64	\$118.64	
Meals	12/06/2018	1.00	\$58.42	\$58.42	
Parking	12/06/2018	1.00	\$54.00	\$54.00	

Stream Gages - Planning Sub-Total: \$462.82



Quality Inn (CA022)

507 S. China Lake Blvd.
Ridgecrest, CA 93555
(760) 375-9732
GM.CA022@choicehotels.com

Account: 624951569

Date: 12/6/18

Room: 128 BAR

Arrival Date: 12/5/18

Departure Date: 12/6/18

Check In Time: 12/5/18 9:57 PM

Check Out Time: 12/6/18 7:36 AM

Rewards Program ID: GP-JMM7186

You were checked out by: dkoon

You were checked in by: mislam

Total Balance Due: \$0.00

MISSED FLIGHT

MORAN, JEAN

PO BOX 881

PO BOX 881

CARLSBAD, CA 92018

Post Date	Description	Comment	Amount
12/5/18	Room Charge	#128 MORAN, JEAN	\$104.99
12/5/18	Occupancy Tax		\$10.50
12/5/18	RTID Assessment		\$3.15
12/6/18	Visa Payment		(\$118.64)
		XXXXXXXXXXXX4915	

Folio Summary 12/5/18 - 12/6/18

Room Charge	\$104.99
Occupancy Tax	\$10.50
RTID Assessment	\$3.15
Visa Payment	(\$118.64)

Balance Due: **\$0.00**

This rate is eligible for partner rewards. If this rate is changed, you may no longer be entitled to Choice Privileges points.

x



Congratulations. You are earning Choice Privileges Points for this stay.

THE HERTZ CORPORATION
Phone: 800-654-4173
Web: www.hertz.com



Rental Agreement No: 168949966
Date: 12/07/2018
Document: 908002768468

Direct All Inquiries To:
THE HERTZ CORPORATION
PO BOX 26120
OKLAHOMA CITY, OK 73126-0120

CHARGE DETAIL

Renter: STEPHEN REICH
Account No.: *****2959 VIS
CDP No.: 344959
CDP Name: STETSON ENGINEERS

MR STEPHEN B REICH
STETSON ENGINEERS
785 GRAND AVE
SUITE 202
CARLSBAD, CA 92008

RENTAL REFERENCE

Rental Agreement No: 168949966
Reservation ID: H86841396C4
Frequent Traveler: ZE1

RENTAL DETAILS

Rate Plan: IN: ICPC3 OUT: ICPC3
Rented On: 12/03/2018 11:30 LOC# 110819
ORANGE COUNTY, CA
Returned On: 12/06/2018 20:05 LOC# 111910
ONTARIO AP, CA
Car Description: SIR SONATA 4CYN BXE9291
Veh. No.: 5029368
CAR CLASS Charged: C MILEAGE In: 39,898
Rented: F Out: 39,507
Reserved: C Driven: 391

MISCELLANEOUS INFORMATION

CC AUTH: 01833D DATE: 2018/12/03 AMT: 189.00

RENTAL CHARGES

DAYS	3 @	41.32	123.96
EXTRA HRS	9 @	4.13	37.17
SUBTOTAL			161.13
DISCOUNT		5.00%	-8.06
SUBTOTAL			153.07
CONCESSION FEE RECOVERY			17.48
CA TOURISM FEE			5.36
LICENSE & TAX REIMBURSEMENT			4.20
TAX		7.75%	13.54

Gold Plus Rewards Points

Earned this rental: 168

TOTAL CHARGES 193.65 USD

E-RETURN RECEIPT

THANK YOU FOR RENTING FROM HERTZ

ALL CHARGES HAVE BEEN BILLED TO YOUR ACCOUNT.

Direct All Inquiries To:
THE HERTZ CORPORATION
PO BOX 26120
OKLAHOMA CITY, OK 73126-0120
UNITED STATES

Rental Agreement No: 168949966
Date: 12/07/2018
Document: 908002768468

Renter: STEPHEN REICH
Account No.: *****2959 VIS

Phone: 800-654-4173
Web: www.hertz.com

TOTAL CHARGES 193.65 USD



12/6/2018 10:00 PM
#4
1110
485919
1286

Client Parker
p/Corporation:

Parking Summary
Date/Time: 12/3/2018 8:40 AM
Date/Time: 12/6/2018 10:50 PM
Parking Type: Open

GENERAL RATE
Duration: 3d 14h9m
Parking Points Used =

Parking Amount =
Parking Tax =
Parking SubTotal =
Parking Grand Total =
Total Paid
\$54.00

Visa - 10/19 \$54.00
XXXXXXXXXXXX2959
REICH, STEPHEN B

WELCOME
ARCO #4 #4537
12078 THREE FLAGS C
HISORIA CA
ARCO42537001
ARCO 42537
12078 THREE FLAGS
HISORIA CA

DATE: 12/06/2018 10:50
TIME: 10:50
PUMP: 17
SERVED LEVEL: SELF
PRODUCT: REGULAR
GALLONS: 11.447
PRICE/GAL: \$ 3.299
TAX: \$ 0.76
TOTAL SALE: \$ 40.35
Cebillee: \$38.11

DEBIT From
Payment: Account
Prismu
XXXXXXXXXXXX8098
Auth #: 002722
Resp Code: 000
Stan: 00011922
Reference: 893

SITE ID: ARCO4253700
1

THANK YOU
FOR CHOOSING ARCO
COMMENTS?
CALL 1-800-322-2726

LUGO'S GRILL
988 NAPA ST
ATOCREST CA 95555-3160
707-446-2500
Merchant ID: 65000006
Term ID: 9880

Sale

Application Label: Visa Credit

VISA
XXXXXXXXXXXX2959
AID: 60000000000000000000000000000000
Entry Method: Chip Read
Apprvd: Online
12/06/18
Batch#: 000009
09:42:42
Appr Code: 055470

Amount: \$ 38.65
Tip: 5.00
Total: 43.65

Mode: Issuer
TVR: 6000000000
IAD: 0601043500000
TSI: 6000
ARC: 00
I agree to pay above total amount
according to card issuer agreement
(Merchant agreement if credit voucher)

Welcome To
Del Taco #1000
Adelanto, CA 92301
STORE (760) 530-9441
www.deltaco.com/contactus

STEVE

Host: LALOMA
STEVE
12/05/2018
8:29 PM
20124

Order Type: To-Go

Epic Ckn Chiptl Meal 7.39
Epic Chipotle Ckn Burrito
Med Drink
Self Serv

Epic Ckn Avocado Burrito 5.39

*****Get \$1 OFF*****
Just a few minutes and you get \$1 off
your next visit on purchases of \$3 or
more (coupon #104) from THIS Del Taco
*** NEW SURVEY!!! ***
1) Visit <http://myopinion.deltaco.com> or
call 949 299 1033 and enter this code:

1 400 202 110 150 023 1

2) Take the quick survey and write the
validation code HERE:
Coupon expires 60 days from receipt date



Quality Inn (CA022)

507 S. China Lake Blvd.
Ridgecrest, CA 93555
(760) 375-9732
GM.CA022@choicehotels.com

Account: 624951571

Date: 2/14/19

Room: 129 BAR

Arrival Date: 12/5/18

Departure Date: 12/6/18

Check In Time: 12/5/18 10:04 PM

Check Out Time: 12/6/18 7:35 AM

Rewards Program ID: GP-SXR070132

You were checked out by: dkoon

You were checked in by: mislam

Total Balance Due: \$0.00

MISSED FLIGHT
REICH, STEPHEN
469 WELLESLEY AVE
MILL VALLEY, CA 94941

Post Date	Description	Comment	Amount
12/5/18	Room Charge	#129 REICH, STEPHEN	\$104.99
12/5/18	Occupancy Tax		\$10.50
12/5/18	RTID Assessment		\$3.15
12/6/18	Visa Payment	XXXXXXXXXXXX2959	(\$118.64)

Folio Summary 12/5/18 - 12/6/18

Room Charge	\$104.99
Occupancy Tax	\$10.50
RTID Assessment	\$3.15
Visa Payment	(\$118.64)

Balance Due: **\$0.00**

This rate is eligible for partner rewards. If this rate is changed, you may no longer be entitled to Choice Privileges points.

x



Congratulations. You are earning Choice Privileges Points for this stay.

Indian Wells Valley Groundwater Model Review and Schedule

February 21, 2019
IWV-GA Board Meeting

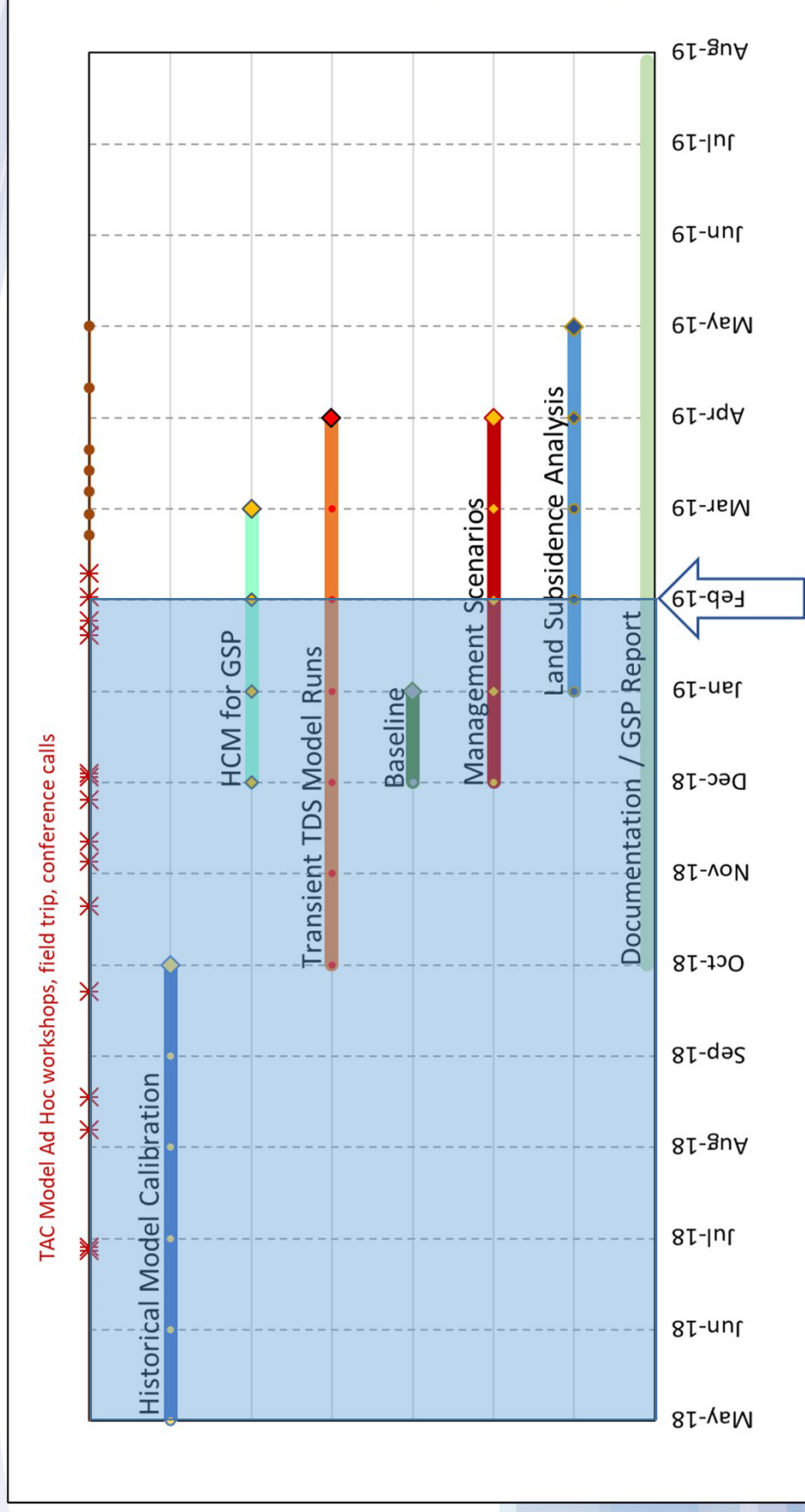
2/21/2019



Outline

- Schedule/Model Overview
- Model Update and 1922-2016 Historical Calibration
- Predictive Simulation with Pumping Reduced to Basin Recharge
- 2020-2070 Baseline (No Action) Model Run
- TDS Baseline (No Action) Model Run
- Management Scenario #1 Model Run (Draft)
- Next Steps

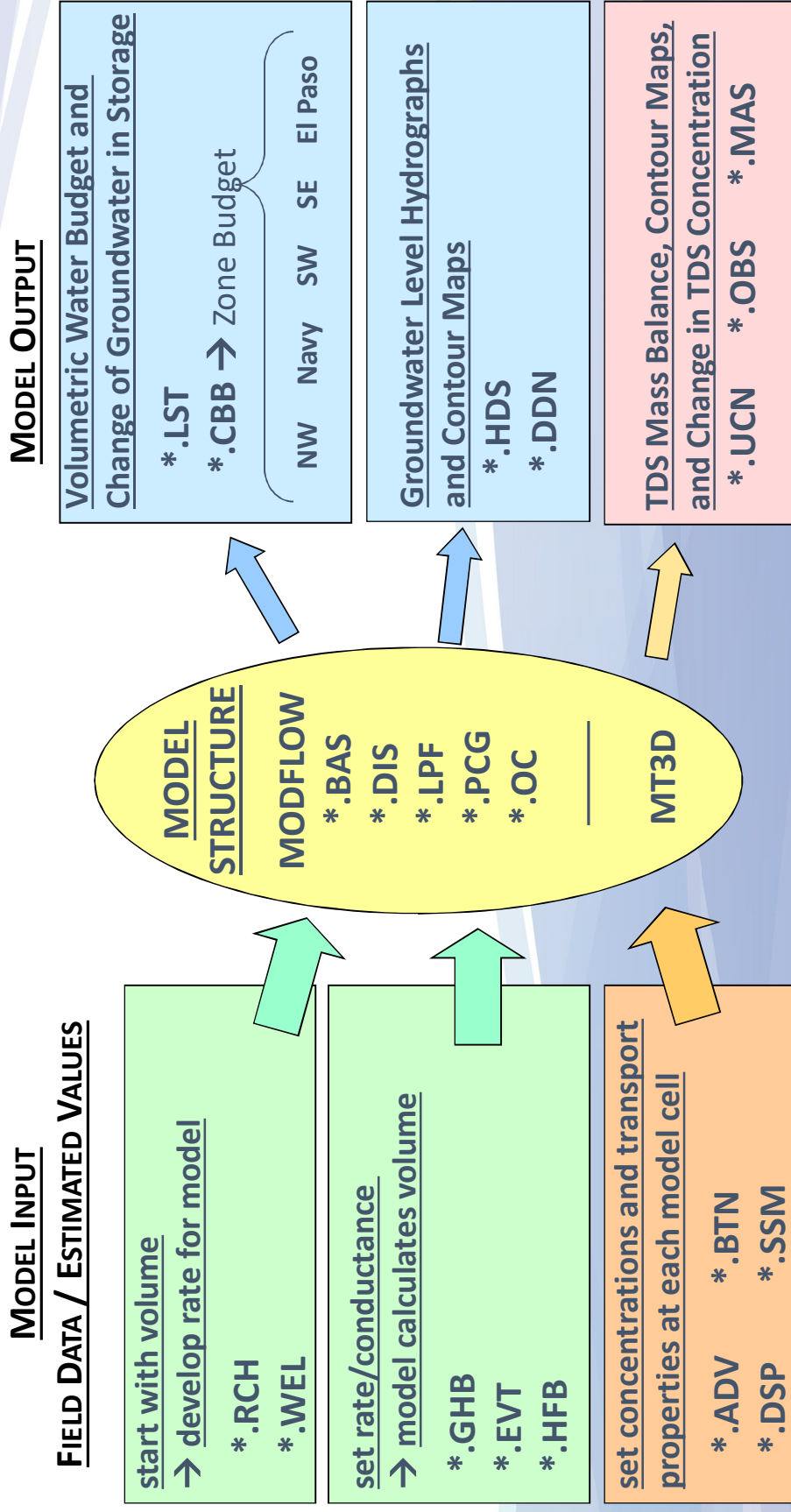
Modeling Timeline and GSP Report Sections



IWV Groundwater Model

- 3-Dimensional Numerical MODFLOW Model (flow), coupled with MT3D Model (transport)
- Simulates:
 - Conceptual model – occurrence and movement of water
 - Water budget components
 - Groundwater levels
 - Changes of groundwater in storage
- Calibrated to Historical Measured Data
- Used to Perform Predictive Model Scenarios

How a Regional Model Works



Conceptual Model and Water Budget Components

Inflow

Subsurface Flow from Rose Valley

Mountain Front Recharge

[Imported Water]

[Recycled Water]

Outflow

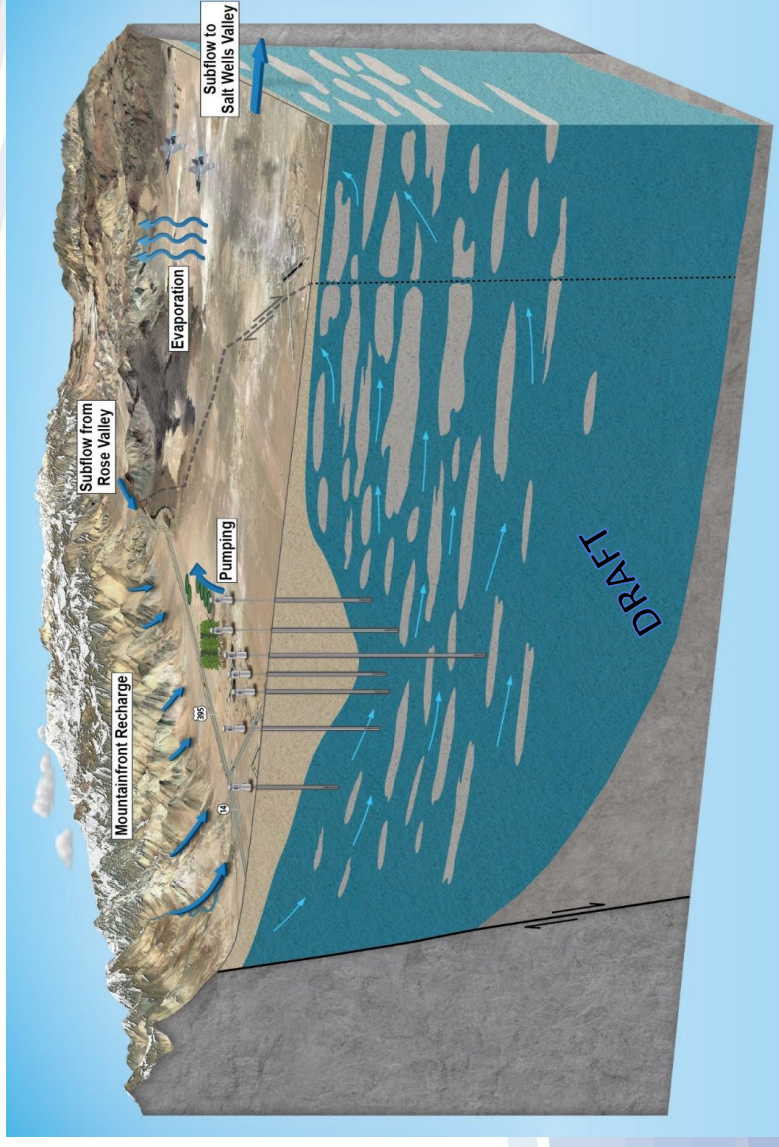
Subsurface Flow to Salt Wells Valley

Playa Evaporation / Evapotranspiration

Groundwater Pumping

[Brackish Water Desalination]

Change of Water in Storage



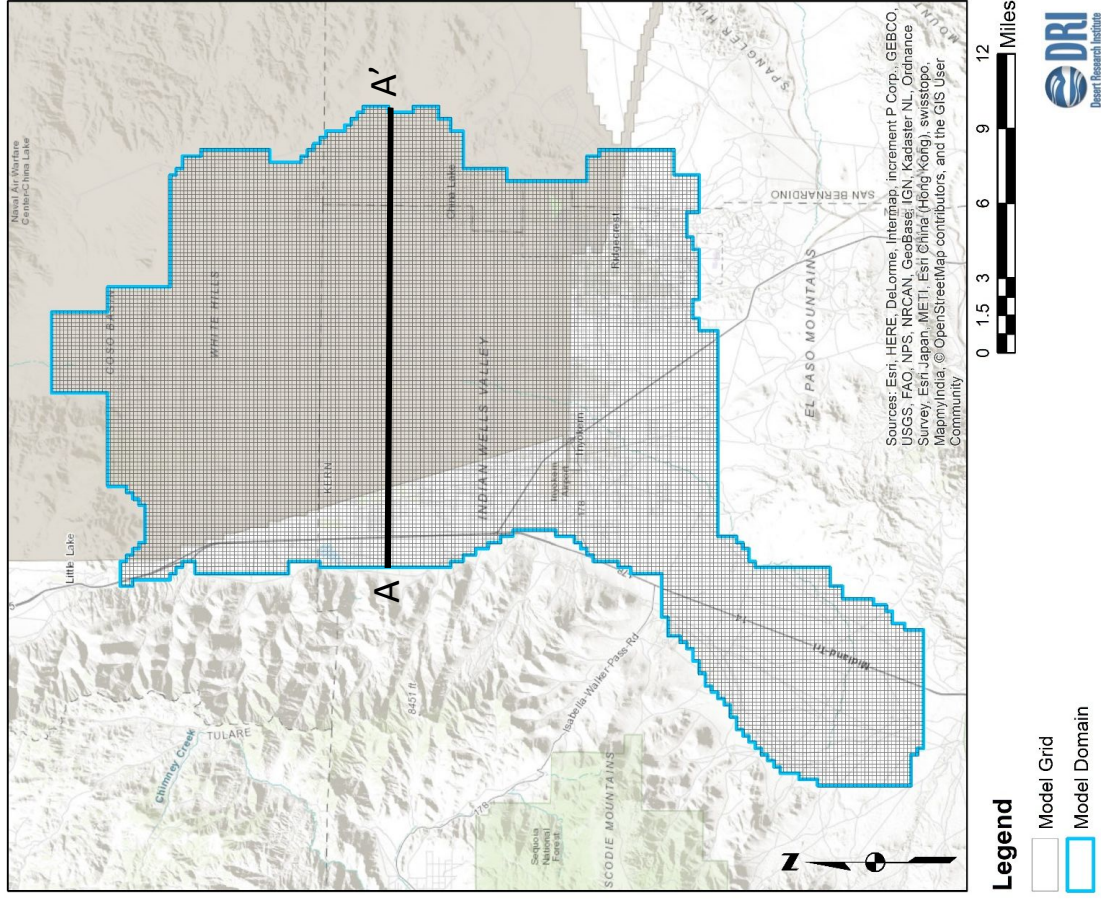
Model Update and 1922-2016 Historical Calibration (Contributed by Navy)

Navy's 2016 IWV Model Update and Recalibration

- To support GSP development and meet SGMA requirements:
 - Incorporate variable hydrologic conditions and seasonal fluxes
 - Calibrate model to groundwater levels and water budget components
 - Develop two future planning horizons: 2040 and 2070
- The calibrated numerical model provides tools necessary for:
 - Assessing historical groundwater conditions
 - Estimating the groundwater aquifer's hydrologic water budget
 - Identifying data gaps
 - Assessing groundwater level and quality trends
 - Determining sustainability criteria and measurable objectives
 - Evaluating groundwater management actions strategies

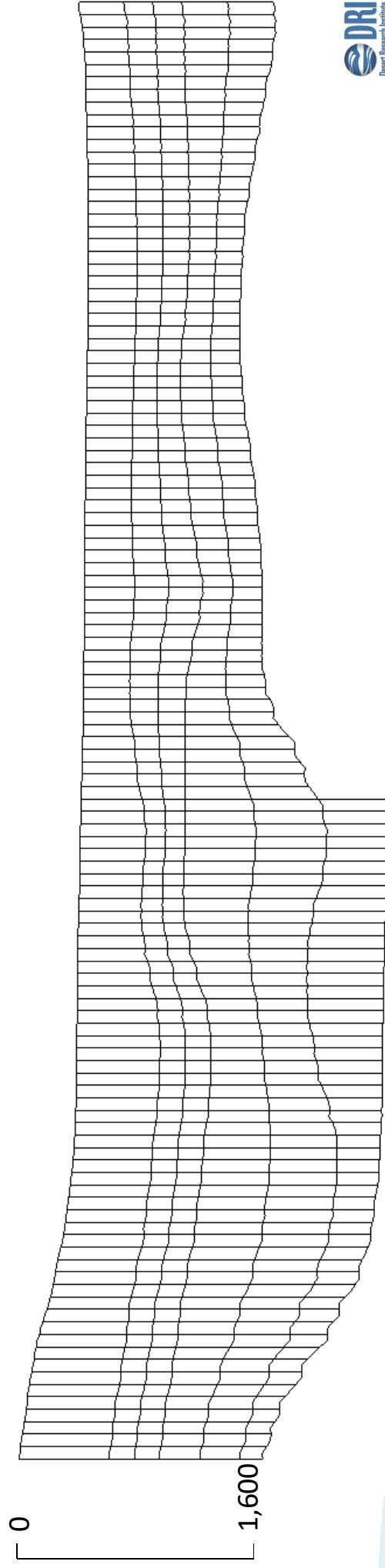
Flow Model

- MODFLOW
- 800 ft cell size (14.7 acres)
- 6 layers
- Steady-state model: Pre-1920
- Transient model: 1922 - 2016



Model Layering

Depth (ft)



vertical exaggeration = 10

Historical Model Calibration (1922-201)

Model Calibration Process

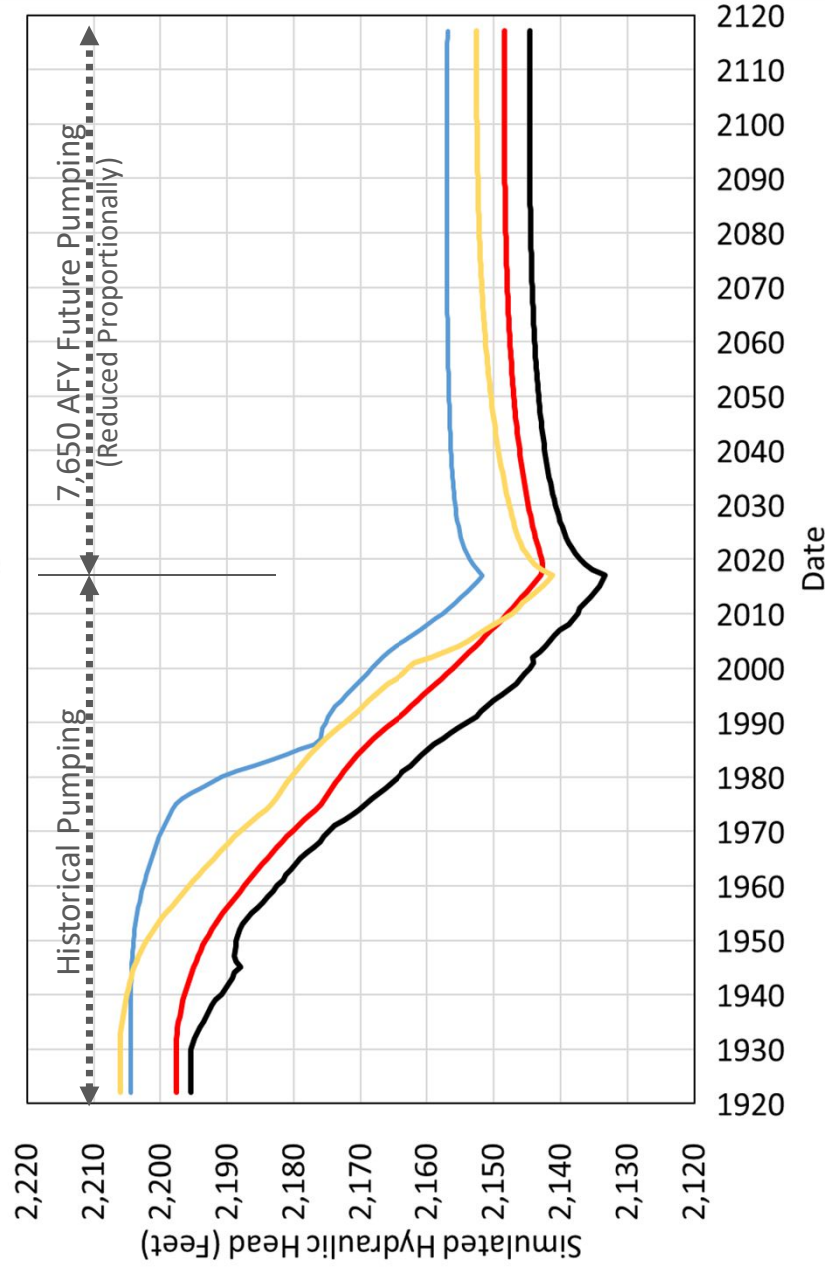
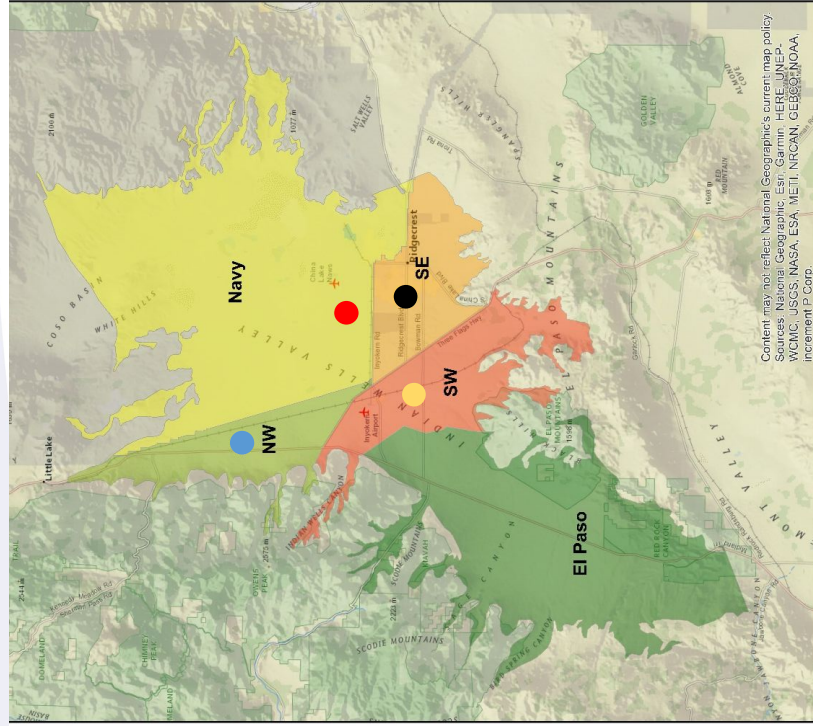
- Estimated Water Budget
- Calibrate hydraulic conductivity (K, feet/day) to 1920 steady state conditions
 - Measured Groundwater Levels
 - Aquifer Pumping Tests
- Calibrate storage (S, cuft/cuft) to 1922-2016 transient conditions
 - Measured Groundwater Levels
 - Aquifer Pumping Tests with additional monitoring well measurements
- Calibrate fault parameters (K, feet/day)
 - Measured Groundwater Levels
- Calibrate playa evapotranspiration
 - Measured and Estimate Evapotranspiration Rates/Volumes

	<u>Calibration</u>	
	1922-2016 (95 years)	2011-2015 (5 years)
	AF/Y	AF/Y
<u>Inflow</u>		
Recharge	7,650	7,650
Recycled Water	--	--
Imported Water	--	--
TOTAL:	7,650	7,650
<u>Outflow</u>		
Pumping	15,240	27,740
Evapotranspiration	6,580	4,850
Flow to Salt Wells	60	50
TOTAL:	21,880	32,640
Change in Storage	-14,230	-24,990

Continue Historical Model Run

- 1922-2016 Historical Pumping
- 2017-2120 Future Pumping (7,650 AFY)

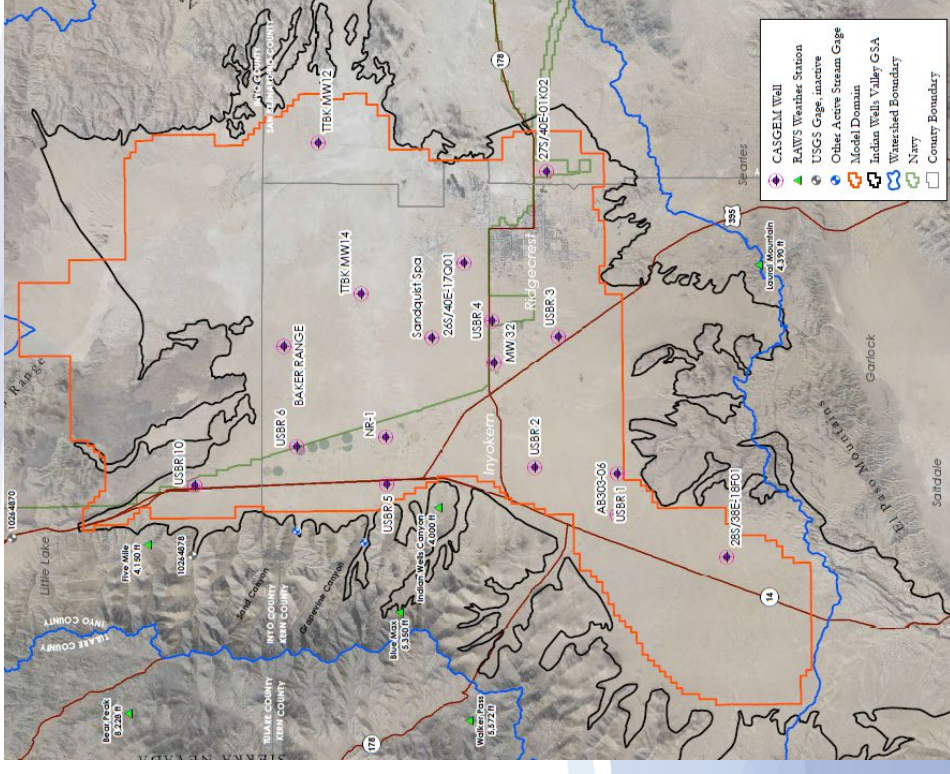
Predictive Simulation with Pumping Reduced to Basin Recharge



2020-2070 Baseline (No Action) Model Run

Baseline (No Action) Assumptions

- Recharge
 - Balanced Hydrology 2020 through 2070
 - Mountain Front Recharge
 - Subsurface Flow from Rose Valley
- Pumping Assumptions
 - Current Management Practices
 - Projected out through 2070
- Baseline Model Output
 - Water Budget Terms:
 - by IWV Basin & Management Sub-Areas
 - Groundwater Indicator Wells (CASGEM)



Legend

- Wells
- ET Zone
- Model Area
- Recharge Zones

0 3.25 6.5 13 19.5 26 Miles

N

DRI
Desert Research Institute

The graph displays the Annual Pumping Rate in acre-ft/yr over a 55-year period from 2015 to 2070. The y-axis ranges from 20,000 to 40,000 in increments of 2,000. The x-axis shows years from 2015 to 2070 in 5-year increments. The pumping rate starts at approximately 38,500 acre-ft/yr in 2015, decreases sharply to about 35,000 acre-ft/yr by 2020, and then remains relatively stable around 35,000 acre-ft/yr through 2070.

Date	Annual Pumping Rate (acre-ft/yr)
2015	38,500
2020	35,000
2025	35,000
2030	35,000
2035	35,000
2040	35,000
2045	35,000
2050	35,000
2055	35,000
2060	35,000
2065	35,000
2070	35,000



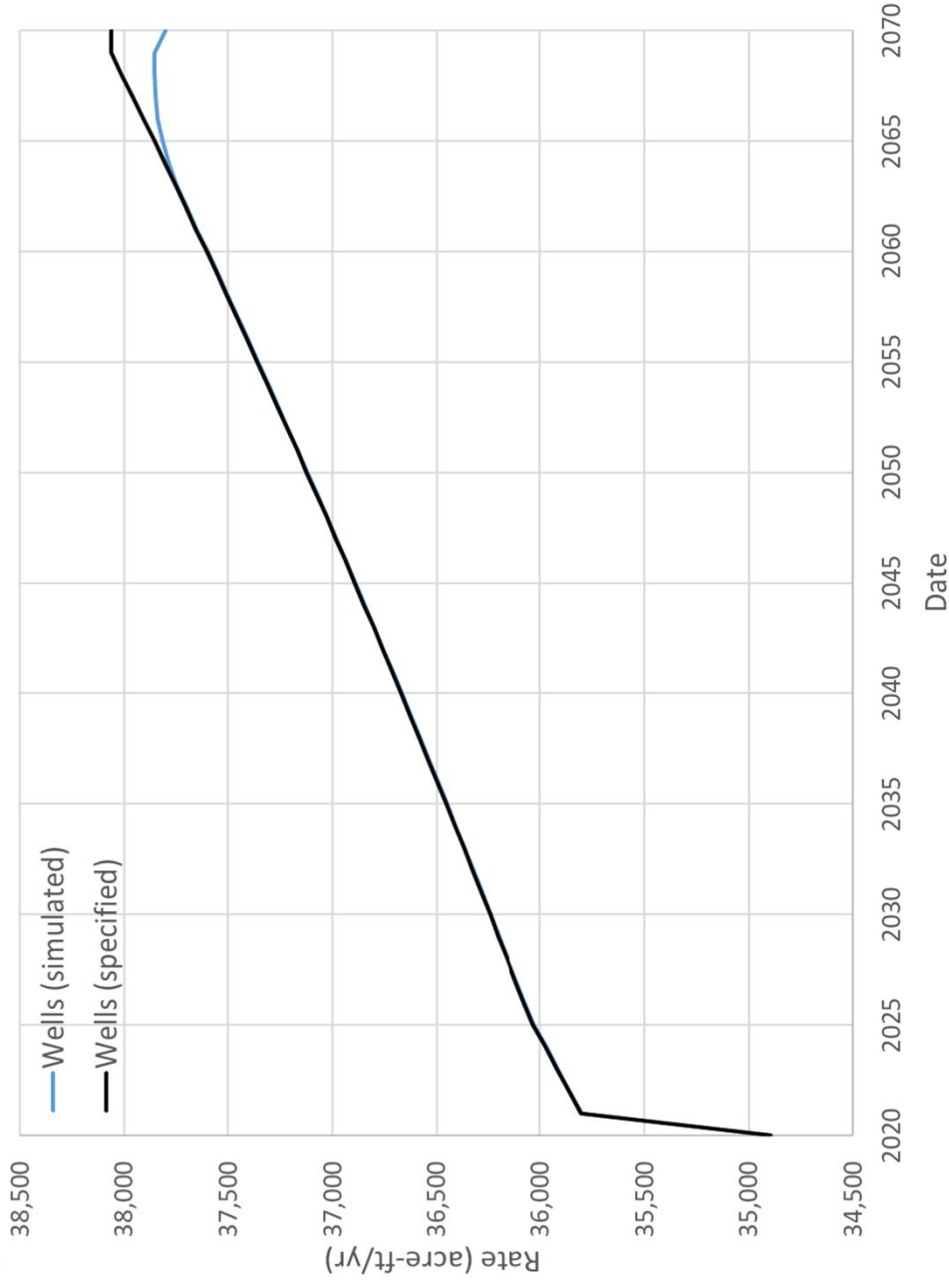
Simulated and Specified Pumping Results

Baseline pumping simulated input by the model (50-yr average 36,880 AFY)

Ability to pump groundwater from storage (lowering of water table) using existing wells.

Screen intervals simulated using full model layer thickness

Does not account for potable vs saline groundwater



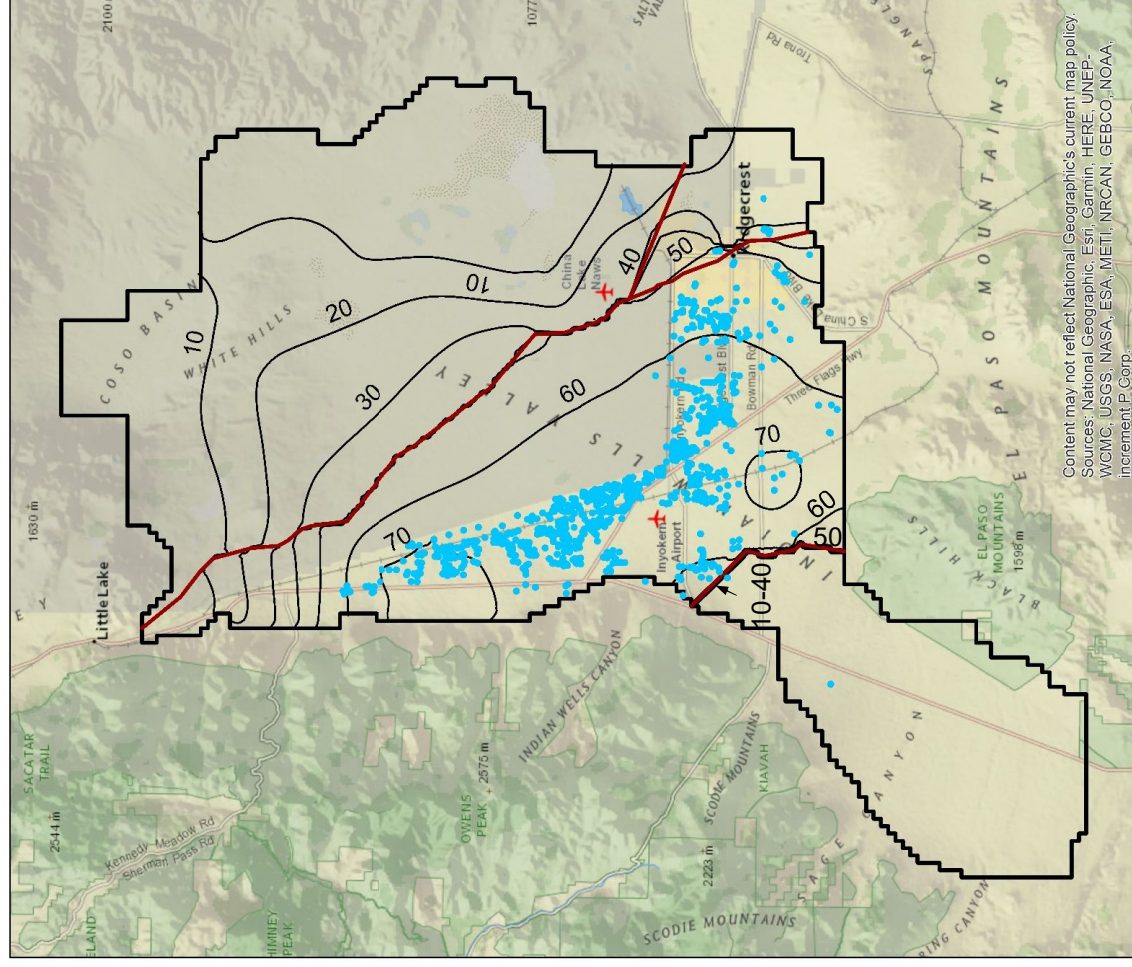
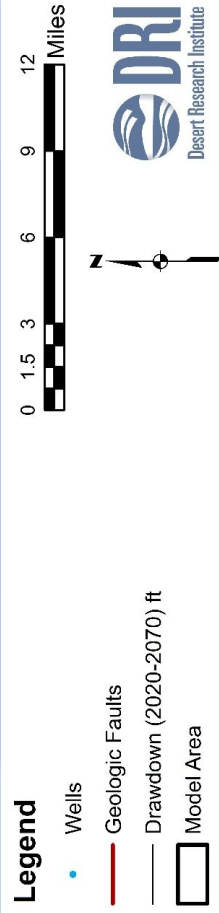
Graph from DRI Jan 3, 2019 TAC Presentation IWV Baseline Model Run

Water Budget (average AF/Y)

	<u>Calibration</u>		<u>Baseline</u>
	1922-2016 (95 years)	2011-2015 (5 years)	2020-2070 (51 years)
<u>Inflow</u>	AF/Y	AF/Y	AF/Y
Recharge (subsurface, mountain block)	7,650	7,650	7,650
Recycled Water	--	--	--
Imported Water	--	--	--
TOTAL:	7,650	7,650	7,650
<u>Outflow</u>			
Pumping	15,240	27,740	36,880
Evapotranspiration (ET)	6,580	4,850	1,610
Flow to Salt Wells	60	50	40
TOTAL:	21,880	32,640	38,530
<u>Change of Groundwater in Storage</u>	-14,230	-24,990	-30,880

Drawdown Results

- Drawdown from 2020 to 2070

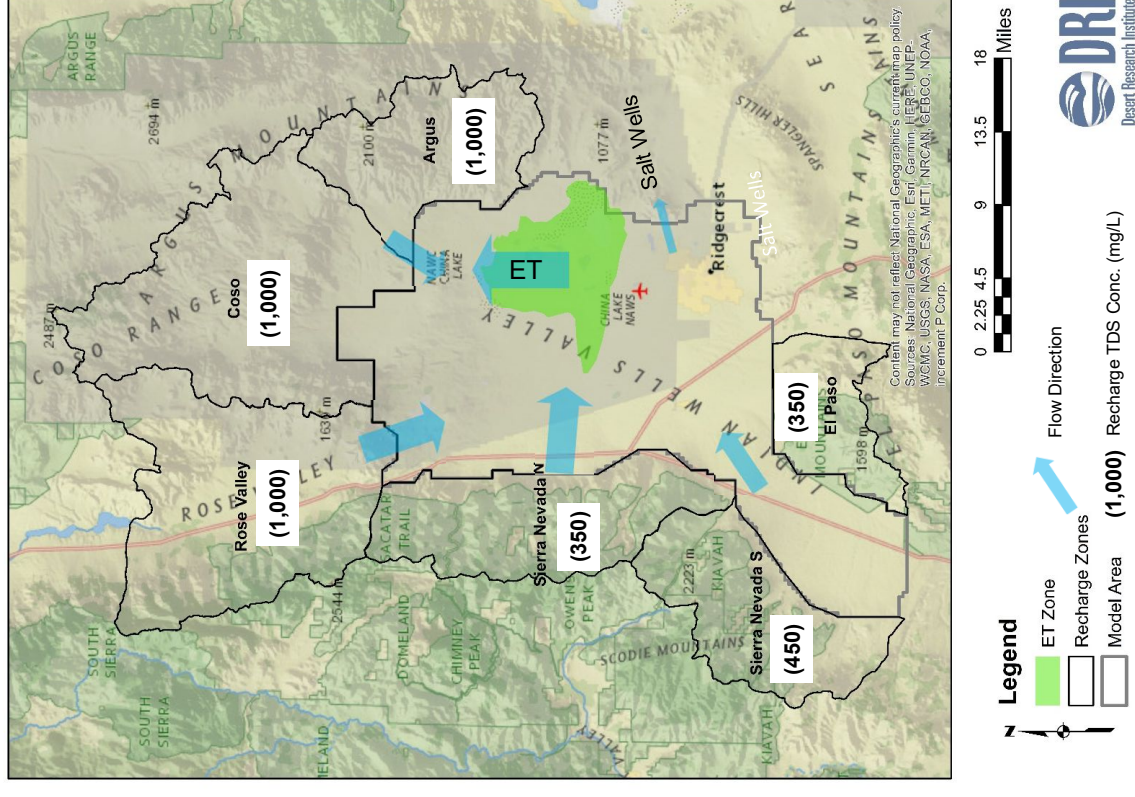


TDS Baseline (No Action) Model Run

TDS Conceptual Model (mg/L)

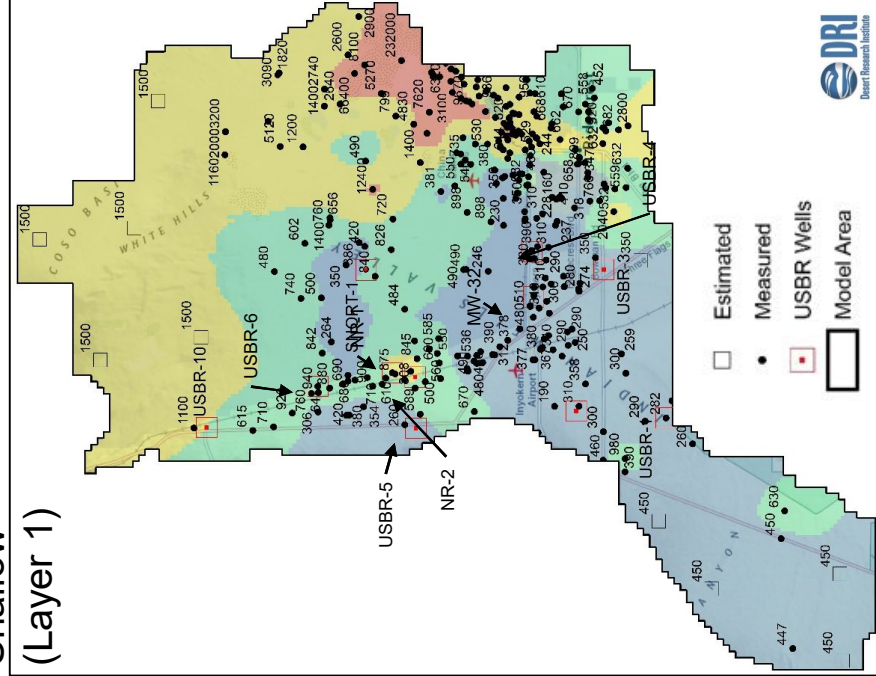
- Sources:
 - Solutes in recharge
 - Dissolution of minerals in basin
 - Mixing with saltier groundwater
 - Remnant evaporative brines
 - Geothermal fluids
- Concentration by evaporation

- Sinks:
 - Solutes in discharge to Searles Valley
 - Precipitation of minerals

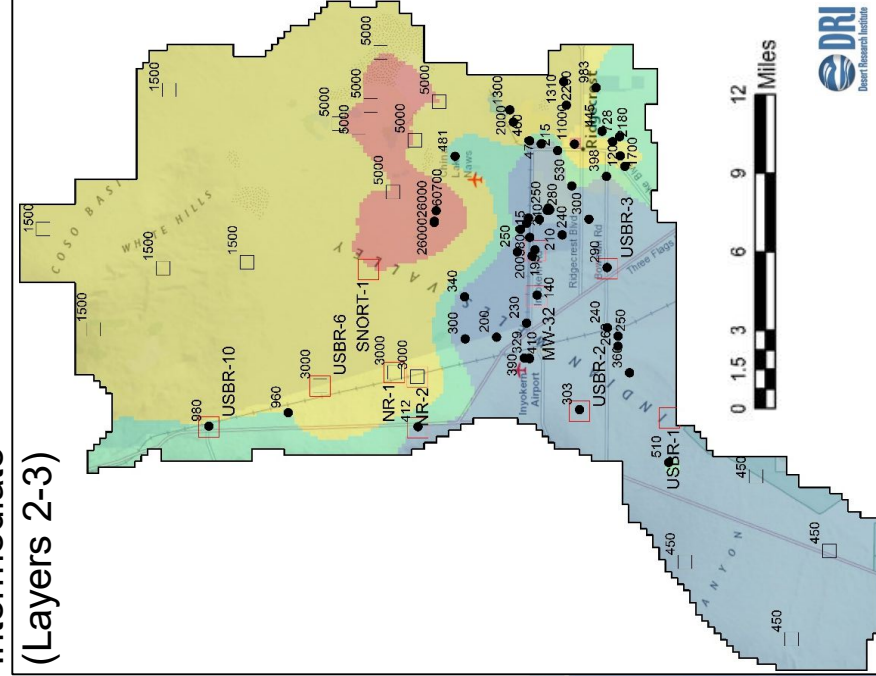


TDS Baseline Initial Conditions

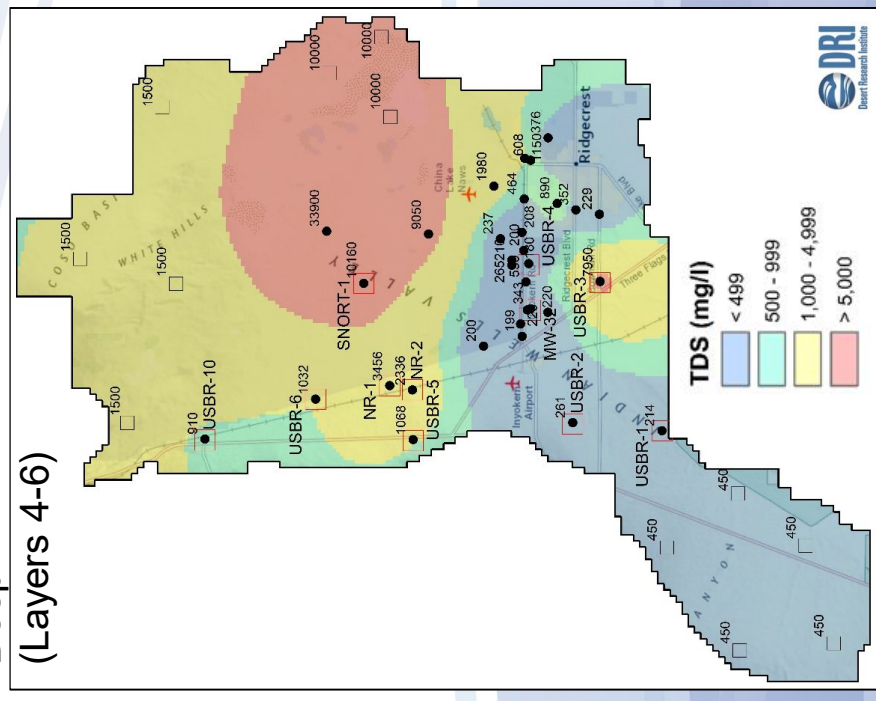
Shallow
(Layer 1)



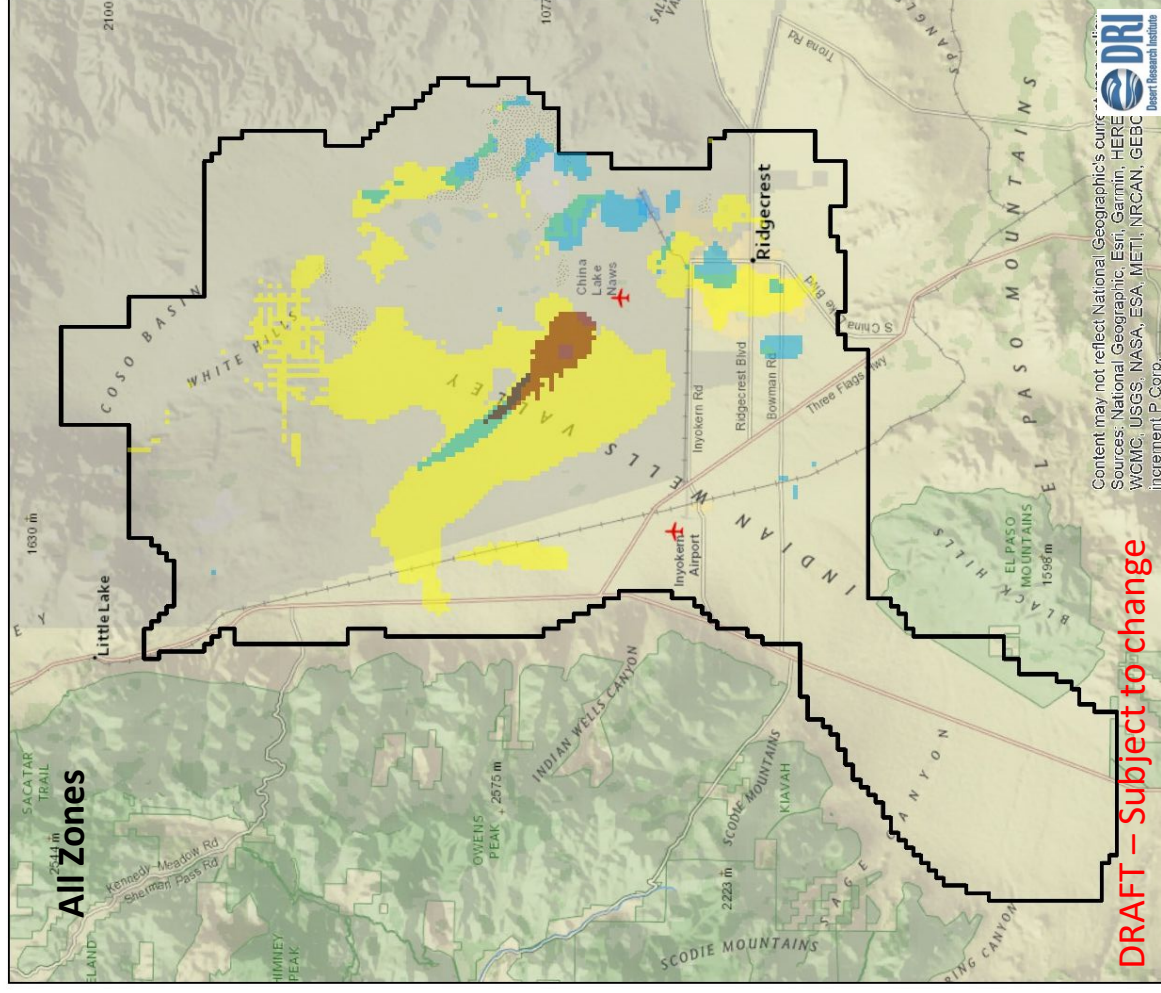
Intermediate
(Layers 2-3)



Deep
(Layers 4-6)



Simulated TDS Trends (2020 – 2070)

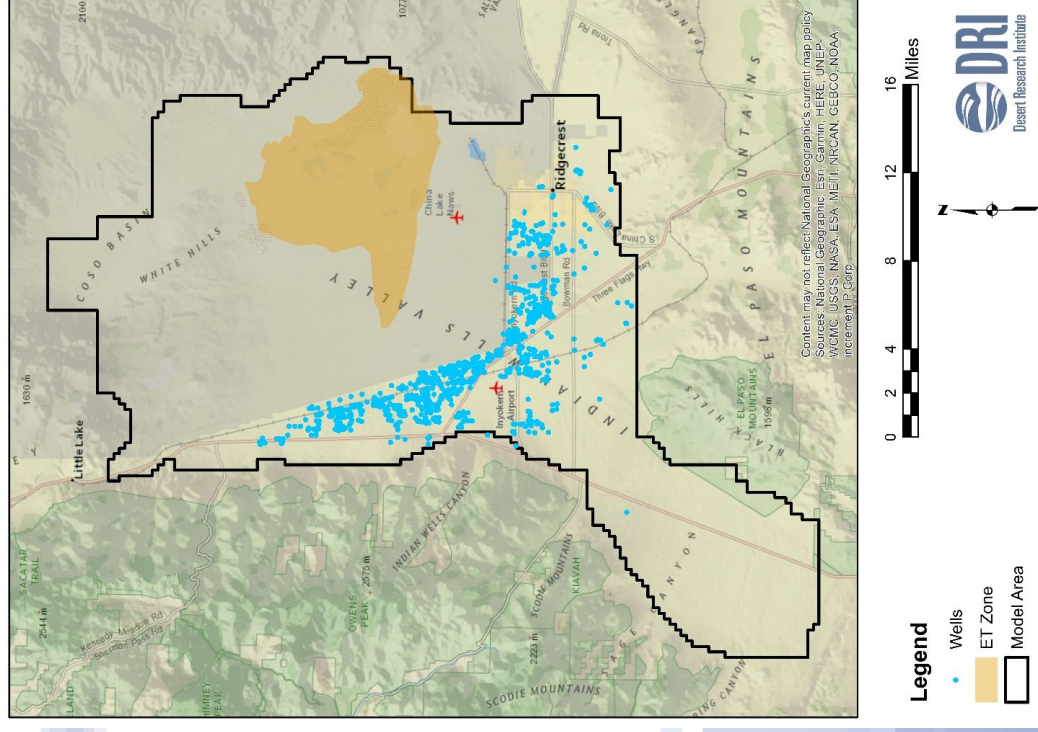
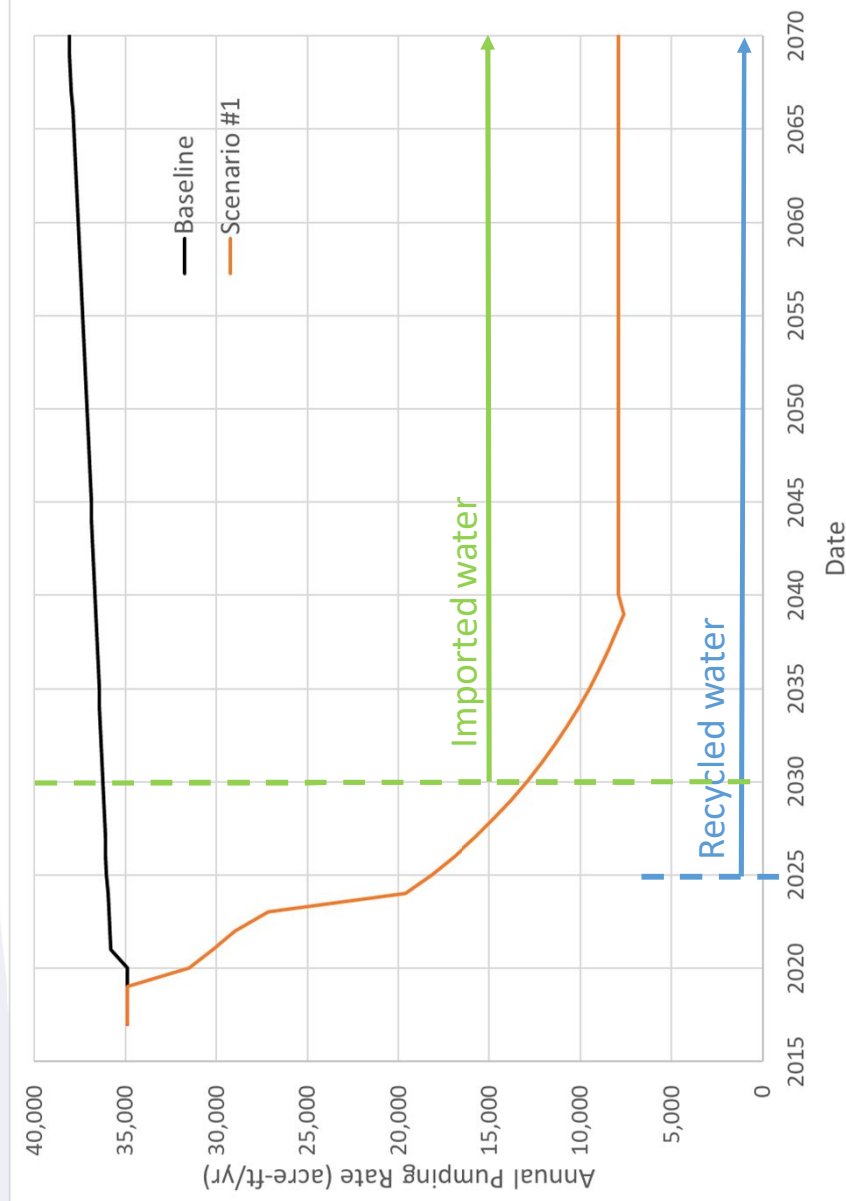


Sustainable Management Actions Model Scenarios

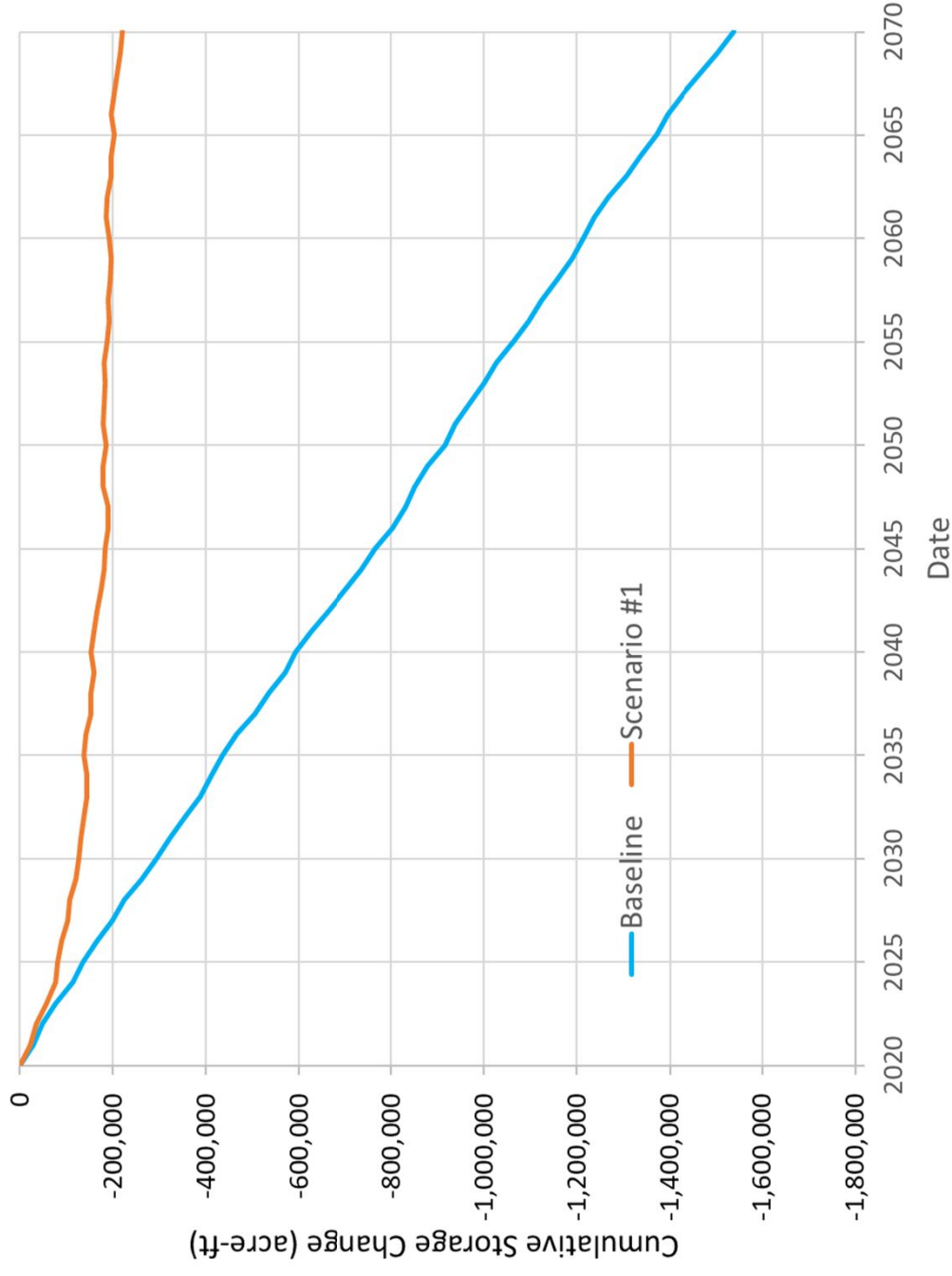
Management Scenario #1 Model Run (Draft)

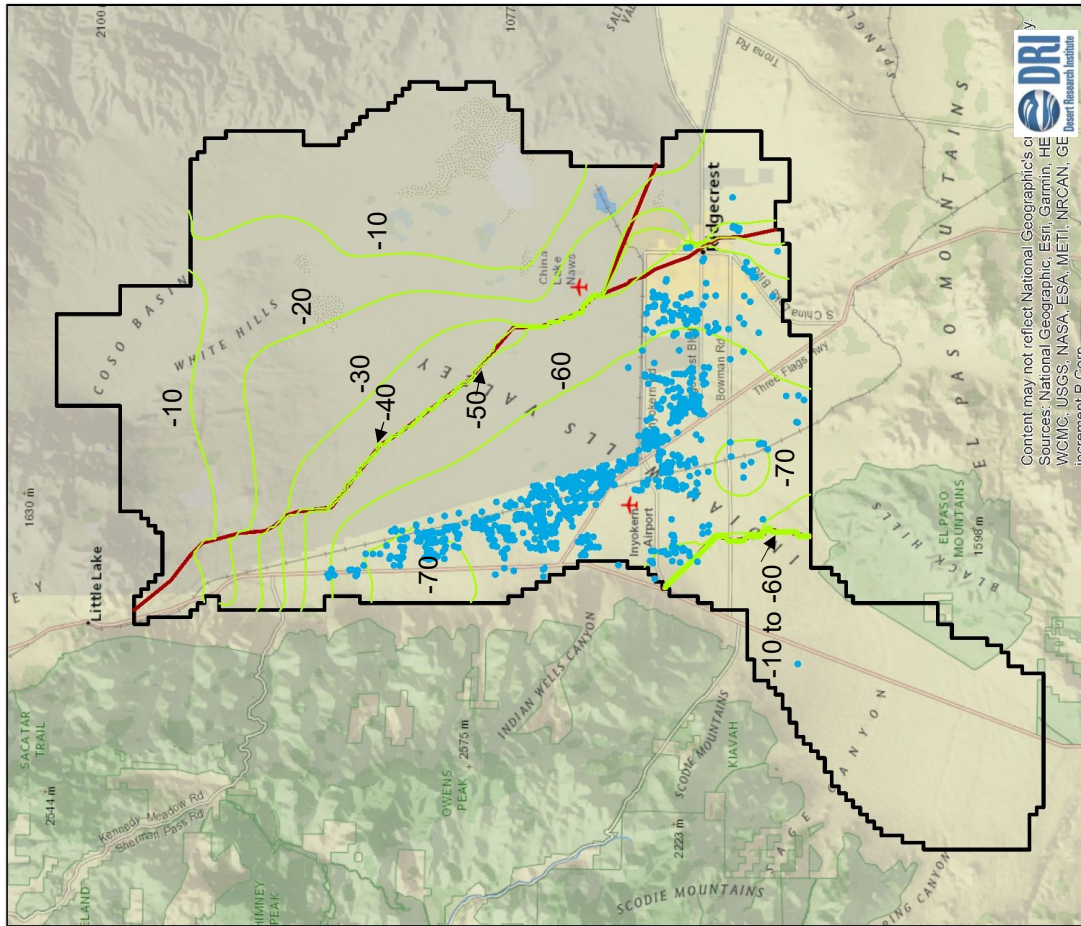
- SGMA Management Period Requirements:
 - Sustainable in 20 years (year 2040)
 - Sustainable through 50-year planning horizon (year 2070)
- Simulation analysis: 2020 – 2070
- Seasonal (monthly) time steps
- Variable hydrologic conditions for recharge
- Scenario #1 conditions
 - Reduced pumping: Ramp Down, Cliff, Leasing
 - Imported water use (storage and recovery project)
 - Recycled water use (injection)

Simulated Pumping



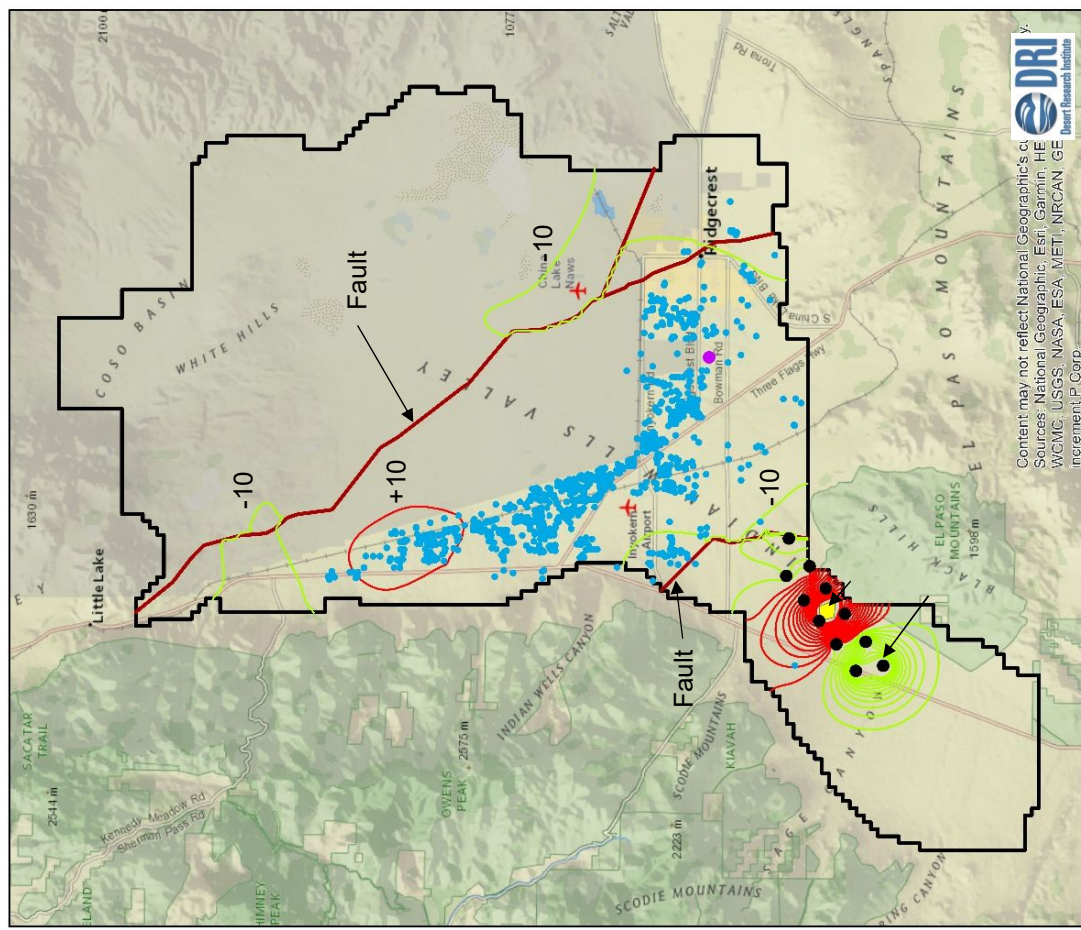
Change in Groundwater Storage





Baseline

DRAFT – Subject to change



Water Level Change (2020-2070)

Rising

Scenario #1

Units: feet

Next Modeling Steps

- Work with TAC to develop Sustainable Management Alternatives
 - Model Ad Hoc Group
 - Full TAC meetings
- Complete three more model scenarios (DRI and TAC)
- Model documentation and GSP Sections (DRI and WRM)
- Note: brackish water model runs are being conducted coincident with the sustainable management alternative model runs (DRI with WRM coordination)

General Ledger Balance Sheet - (FOS)

2/12/2019 9:37:53 AM

AcctNo	AccountName	Crdt/D	Beginning Balance	YTD_Debit	YTD_Credit	Current Balance
FundNo: 42927, FundName: INDIAN WELLS VLY GRDWATER JPA						
AccountType: Asset						
0110	CASH IN TREASURY	Debit	133,552.33	897,351.23	790,397.40	240,506.16
Total	AccountType: Asset		133,552.33	897,351.23	790,397.40	240,506.16
AccountType: Liability						
1010	WARRANTS PAYABLE	Credit	0.00	786,776.91	786,776.91	0.00
1012	ACCOUNTS PAYABLE	Credit	0.00	786,776.91	786,776.91	0.00
1326	LOAN PAYABLE - OTHER	Credit	(359,005.42)	0.00	640,994.58	(1,000,000.00)
Total	AccountType: Liability		(359,005.42)	1,573,553.82	2,214,548.40	(1,000,000.00)
AccountType: Net Asset or Fund Balance						
2350	FUND BALANCE AVAILABLE	Credit	225,453.09	790,397.40	0.00	1,015,850.49
2410	ESTIMATED REVENUES	Debit	0.00	0.00	0.00	0.00
2710	REVENUES	Credit	0.00	640,994.58	897,351.23	(256,356.65)
2990	BUDGETARY CLEARING	Debit	0.00	640,994.58	640,994.58	0.00
Total	AccountType: Net A		225,453.09	2,072,386.56	1,538,345.81	759,493.84
Total	FundNo: 42927, Fun		0.00	4,543,291.61	4,543,291.61	0.00
			0.00	4,543,291.61	4,543,291.61	0.00

2019									
Expenses	January	February	March	April	May	June	July		
DESCRIPTION	Oct/Nov Expenses	December Expenses	Jan 2019 Expenses	Feb 2019 Expenses	Mar 2019 Expenses	Apr 2019 Expenses	May 2019 Expenses		
Stetson Engineers _s	\$ 198,435.97	\$ 100,000.00	\$ 135,000.00	\$ 135,000.00	\$ 135,000.00	\$ 170,000.00	\$ 170,000.00		
DESCRIPTION	Approved - 1/17/19 _s	Pending - 2/21/19	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses		
Markman Legal	\$ 13,687.04	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70		
Other (DRI, etc.)	\$ 19,779.16	\$ 66,692.92	\$ 20,000.00	\$ 30,000.00	\$ 30,000.00	\$ 20,000.00	\$ 15,000.00		
Total Expenses	\$ 231,902.17	\$ 172,378.62	\$ 160,685.70	\$ 170,685.70	\$ 170,685.70	\$ 195,685.70	\$ 190,685.70		
Income									
DWR ₃			\$ 1,162.76						
Proposition 1 Grant						\$ 336,325.00			
Assessment Pumping Fees	\$ 48,442.72	\$ 25,530.00	\$ 44,676.00	\$ 59,589.00	\$ 81,035.00	\$ 100,064.00	\$ 111,223.00		
Total Income	\$ 48,442.72	\$ 25,530.00	\$ 45,838.76	\$ 59,589.00	\$ 81,035.00	\$ 436,389.00	\$ 111,223.00		
Total Net	\$ 212,241.02	\$ 65,392.40	\$ (49,454.55)	\$ (160,551.25)	\$ (250,201.96)	\$ (9,498.66)	\$ (88,961.36)		

Notes

_s - Includes expenses approved on 1/17/19, as well as Insurica payment of \$1,653 for Q1 coverage.

2019						
Expenses	August	September	October	November	December	2019 Totals
DESCRIPTION	June 2019 Expenses	July 2019 Expenses	Aug 2019 Expenses	Sept 2019 Expenses	Oct 2019 Expenses	Stetson Expenses
Stetson Engineers ₅	\$ 170,000.00	\$ 160,000.00	\$ 160,000.00	\$ 160,000.00	\$ 125,000.00	\$ 1,818,435.97
DESCRIPTION	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses	Anticipated Expenses
Markman Legal	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70	\$ 5,685.70	\$ 76,229.78
Other (DRI, etc.)	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 2,000.00	\$ 211,472.08
Total Expenses	\$ 177,685.70	\$ 167,685.70	\$ 167,685.70	\$ 167,685.70	\$ 132,685.70	\$ 2,106,137.83
Income						
DWR ₃			\$ 23,286.72			\$ 24,449.48
Proposition 1 Grant	\$ 240,000.00			\$ 355,000.00		\$ 931,325.00
Assessment Pumping Fees	\$ 112,230.00	\$ 67,868.00	\$ 43,347.00	\$ 28,097.00	\$ 40,871.00	\$ 762,972.72
Total Income	\$ 352,230.00	\$ 67,868.00	\$ 66,633.72	\$ 383,097.00	\$ 40,871.00	\$ 1,718,747.20
Total Net	\$ 85,582.93	\$ (14,234.77)	\$ (115,286.76)	\$ 100,124.54	\$ 8,309.84	

Notes

₅ - Includes expenses approved on 1/17/19, as well as Insurica payment of \$1,653 for Q1 coverage.

Indian Wells Valley Groundwater Authority JPA Fund

Fund No. 42927

2018

Beginning Balance \$ 1,000.00
Current \$ 240,506.16

Date	Category	Description	Amount	Balance
8/7/2018	Expense	Stetson Engineers - 2/01/18 - 2/28/18	\$ (76,971.03)	\$ 556,581.30
8/7/2018	Expense	Stetson Engineers - 3/01/18 - 3/31/18	\$ (60,517.77)	\$ 496,063.53
8/7/2018	Expense	PackWrap	\$ (169.65)	\$ 495,893.88
8/7/2018	Expense	PackWrap	\$ (207.67)	\$ 495,686.21
8/8/2018	Expense	Daily Independent - Ordinance	\$ (461.76)	\$ 495,224.45
8/8/2018	Expense	Daily Independent - Public Meeting	\$ (187.53)	\$ 495,036.92
8/8/2018	Expense	Daily Independent - Special Meeting	\$ (132.60)	\$ 494,904.32
8/9/2018	Expense	Stetson Engineers - 4/01/18 - 4/30/18	\$ (75,137.70)	\$ 419,766.62
8/9/2018	Expense	Stetson Engineers - 5/01/18 - 5/31/18	\$ (88,912.33)	\$ 330,854.29
8/10/2018	Deposit	DWR Reimbursement	\$ 91,161.50	\$ 422,015.79
8/21/2018	Expense	Stetson Engineers - 6/01/18 - 6/30/18	\$ (58,533.81)	\$ 363,481.98
8/21/2018	Expense	Daily Independent - Ordinance	\$ (530.40)	\$ 362,951.58
8/21/2018	Expense	Daily Independent - Extraction Fee	\$ (105.75)	\$ 362,845.83
8/21/2018	Expense	Board of Regents/DRI - Model Coordination	\$ (12,866.02)	\$ 349,979.81
8/21/2018	Expense	RWG Law - 6/01/18 - 6/30/18	\$ (4,387.50)	\$ 345,592.31
8/28/2018	Deposit	IWVWD Advance	\$ 52,578.16	\$ 398,170.47
9/12/2018	Expense	General Manager Advertising	\$ (285.00)	\$ 397,885.47
9/12/2018	Deposit	DWR Reimbursement	\$ 101,836.68	\$ 499,722.15
9/24/2018	Expense	Board of Regents/DRI - Model Coordination	\$ (6,839.15)	\$ 492,883.00
9/24/2018	Expense	RWG Law - 7/01/18 - 7/31/18	\$ (3,834.91)	\$ 489,048.09
9/24/2018	Expense	Stetson Engineers - 7/01/18 - 7/31/18	\$ (64,878.74)	\$ 424,169.35
10/25/2018	Expense	Stetson Engineers - 8/01/18 - 8/31/18	\$ (68,905.43)	\$ 355,263.92
10/25/2018	Expense	RWG Law - 8/01/18 - 8/31/18	\$ (279.07)	\$ 354,984.85
1/14/2019	Expense	RWG Law - 9/01/18 - 9/30/18	\$ (6,240.00)	\$ 348,744.85
1/14/2019	Expense	Stetson Engineers - 9/01/18 - 9/30/18	\$ (74,772.49)	\$ 273,972.36
1/28/2019	Expense	RWG Law - 10/01/18 - 10/31/18	\$ (9,124.76)	\$ 264,847.60
1/28/2019	Expense	RWG Law - 11/01/18 - 11/30/18	\$ (4,562.28)	\$ 260,285.32
1/28/2019	Expense	DRI - Model Coordination - Nov 2018	\$ (14,850.16)	\$ 245,435.16
1/28/2019	Expense	Brown Armstrong	\$ (3,000.00)	\$ 242,435.16
1/28/2019	Expense	IWVWD Reimbursement - Web	\$ (276.00)	\$ 242,159.16
2/5/2019	Expense	Insurica - 1/22/19 - 4/1/2019	\$ (1,653.00)	\$ 240,506.16

IWVGA ADMINISTRATIVE OFFICE

MEMORANDUM

TO: IWVGA Board Members **DATE:** February 21, 2019

FROM: Don Zdeba, IWVGA General Manager
Alan Christensen, IWVGA Staff

SUBJECT: Approve FY 2019 Annual Budget of the IWVGA

DISCUSSION

In 2018, the IWVGA Board approved a groundwater pumping fee to fund portions of the Groundwater Sustainability Plan, which is required for the Indian Wells Groundwater Basin to comply the Sustainable Groundwater Management Act. At the time, staff considered adopting the fee and associated revenues and expenditures would serve as the spending plan or budget for Fiscal Year 2019, beginning in January 2019.

In the past, the IWVGA Board has approved a budget in a traditional budget format, so staff has provided it for your formal approval today. This budget is recommended for approval and begins in January 2019.

Expenditures total \$3,169,889. More than half of the expenditures are expected to be reimbursed by grants.

The major revenue sources for FY 2019 are Proposition 1 Grants of \$2,146,000 and Pump Fees of \$738,339. The County's Advance or Loan had a remaining balance of \$245,345, which is also shown as a revenue in 2019. And the original Stress Counties Grant has \$40,205 remaining to be reimbursed from the State.

Staff will answer any questions the board may have regarding the Budget.

RECOMMENDATION

Staff recommends that the IWVGA Board formally approve the 2019 Budget for the Indian Wells Valley Groundwater Authority.

IWVGA Budget - FY 2019

REVENUE	FY 2019 Final
Proposition 1 Grant	
GSP Preparation	\$1,500,000
Water Conservation & Rebate Program	\$206,000
Water Audit, Leak Detection, & Leak Report Program	\$440,000
Stressed Counties Grant Revenue-Reimbursements	\$40,205
County of Kern Advance	\$245,345
Pump Fee Revenue	\$738,339
TOTALS	\$3,169,889

EXPENDITURES	FY 2019 Final
GSP Preparation	\$1,500,000
Water Conservation & Rebate Program	\$206,000
Water Audit, Leak Detection, & Leak Report Program	\$440,000
IWVGA - TAC - PAC Support Costs	\$144,250
Prop 1 Application/Reporting	\$103,000
Schedule-Budget Maintenance	\$52,000
Groundwater Pumping Assessment Support	\$121,500
Database Management Coordination	\$10,000
CASGEM Coordination	\$4,500
GSA Board Meetings	\$42,000
Consultant management & GSP Development	\$24,500
Financial Management	\$8,500
Community Outreach	\$21,000
Budget Development and Administration	\$12,500
PAC-TAC Meetings	\$19,000
Travel	\$4,000
Insurance	\$10,000
Conferences-Training	\$2,000
Miscellaneous	\$4,000
City of Ridgecrest Reimbursable Costs	\$210,466
Legal Costs	\$200,000
Reserve	\$30,673
TOTALS	\$3,169,889

IWVGA WATER RESOURCES MANAGER**STAFF REPORT****TO: IWVGA Board Members****DATE: February 15, 2019****FROM: Steve Johnson****SUBJECT: Ad Hoc Committee Review of Water Marketing Consultant**

The IWVGA Board of Directors (Board) directed “staff” (GM/Don Zdeba and WRM/Steve Johnson) to assemble a representative Ad Hoc Committee of Basin Stakeholders (Committee) and review the proposals and presentations from four (4) Water Marketing Consultants, and make appropriate recommendations to the Board. The recommended Committee included the GM, City’s GM, Kern County GM, WRM, Board Chair, TAC Chair plus one member, and PAC Chair plus one member. At the TAC and PAC meetings a request was made to include two (2) TAC and PAC members and the WRM agreed. The Committee included Don Zdeba, Steve Johnson, Ron Strand, Alan Christensen, Ron Kicinski, Adam Bingham, Eddy Teasdale, Don Decker, David Janiec, Judie Decker, and Raj Jonnalagadda (unable to directly participate). In preparation for the Committee call to review the Consultants, the WRM distributed a draft table on evaluation criteria and a WRM draft evaluation of Consultants. Don Decker also provided a blank form with evaluation criteria. The conference call was conducted on February 12, 2019 at 1:00 p.m. All Committee members were present except Raj Jonnalagadda, who provided written input. The Committee carefully reviewed each of the Consultants and heard input from every Committee member. One member recommended the Board consider or interviewing with the top two or three consultants. However, after discussion, it was unanimously agreed, based on review of the proposals submitted and the presentations made, and in the interest of time, cost and efficiency, the Committee should recommend the Board consider the top-rated Consultant. Committee members stressed it was clear there was a very strong top-rated Consultant. The top-rated Consultant was Capitol Core Group/Tatum. The GM and WRM recommended a smaller group of the Committee to meet with Capitol Core and establish the “Key Principles” of a Consultant Agreement with the Authority. The smaller group (Ad Hoc Sub-Committee) was Don Zdeba, Steve Johnson, Ron Kicinski, Adam Bingham and David Janiec. The Ad Hoc Sub-Committee met with Capitol Core (Todd Tatum, Jeff Simonetti, and Mike McKinney) at the Water District on Wednesday, February 13, 2019 (WRM called into the meeting). The following

draft “Key Principles” were provided by the WRM to the Ad Hoc Sub-Committee and Capitol Core prior to the meeting:

- Key Personnel
- Term and Termination (Renewal)
- Methods and Interval for Reporting (GM/WRM and GA Board)
- Coordination with GM and WRM
- Compensation Format and Work Documentation
- Confidentiality

The Key Principles meeting went very well, with full participation by the Ad Hoc Sub-Committee. Some very important topics included Capitol Core’s services available to the Authority, including water supply, federal and state funding advocacy, and public outreach. In addition, Capitol Core emphasized its experience with the military and recognition of the Navy’s vital role in Indian Wells Valley. Each of the draft Key Principles was reviewed. The Ad Hoc Sub-Committee was fully satisfied with Capitol Core responses and approach to all Key Principles. Below are some of the most important Key Principles agreed to:

1) Key Personnel

- Todd, Jeff and Mike are the three principals and will be the key contacts for the duration of the contract.
- Capitol Core Group has additional staff available to assist including Leslie Garcia, Account Executive.
- Any staff changes below the level of the principals will be communicated to the IWVGA with at least 5 days’ notice. Qualifications will be provided.
- A job description for the Account Executive position will be provided to the WRM.

2) Term and Termination

- Capitol Core to provide examples of previous agreements.
- Capitol Core has a standard agreement that references an exhibit which would be the scope of work.
- Propose the term for the initial agreement would be one year with an option for another year subject to a new work order and work scope/plan.
- 9 or 10 months into the initial agreement, there would be an assessment of achievements and determination of requirements to achieve the remaining goals for the project.
- An initial kickoff meeting will be set to determine the needs and goals of the IWVGA for the first year and address questions such as permanent vs. lease water supply and amount of imported water required.

3) Methods and Timing for Reporting

- Propose a kick-off meeting to clearly delineate the goals and objectives for Capitol Core.
- Provide a Monthly Overview Report on progress to date for each task, formatted to goals and objectives.
- Reports would need to be provided with sufficient time for appropriate reporting to the IWVGA Board.
- Provide an “After Action Report” for major actions to include who they met with, the outcome of the meeting, and any follow-up needed. Portions of the content of these reports may require confidentiality in order to prevent competitors from taking action to undermine sensitive project negotiations. These portions of the report may need to be limited to closed session discussions.

4) GM and WRM Coordination

- Monthly Overview reports to both the GM and WRM. Reports would be considered “draft” until approved.
- Dissemination of information (Monthly Overview) limited to the Ad Hoc Sub-Committee.

5) Compensation Format and Work Documentation

- Monthly invoices listing staff position, hourly rate, and tasks accomplished. It may be necessary to limit some detail in descriptions since these are public documents and, again, some information that goes out regarding negotiations for water transactions could potentially impact the success of the project.
- The contract would be for a “Not to Exceed” amount, but Capitol Core would have the ability to move specific task funds around within the project should it become necessary. Board and staff would be advised.
- Terms would be net 45 days.
- Opportunities may exist for the cost of meetings in Washington or Sacramento to be split among current clients, thereby reducing the cost to individual clients
- Capitol Core does not currently have multiple clients whose interest conflicts with IWVGA’s goal of acquiring imported water. IWV is the first seeking assistance for SGMA-related issues. Current clients are mostly ag seeking single year supply or perhaps a five-year supply.
- Should a conflict arise, Capitol Core will provide a full Conflict of Interest Disclosure to the Board.

6) Confidentiality

- Discussed under previous Principles.

Ad Hoc Group Recommendation to IWVGA Board of Directors

The Committee to Evaluate Water Marketing Consultants (11 members) unanimously selected Capitol Core/Tatum to proceed with Consultant Agreement discussions with the IWVGA. The Ad Hoc Sub-Committee, (5 members), met with Capitol Core/Tatum on February 13, 2019, and reviewed draft Key Principles of an Agreement with Capitol Core/Tatum. This discussion went very well and is summarized herein.

It is the recommendation of the Ad Hoc Sub-committee that the IWVGA proceed to negotiate and prepare a draft Consultant Agreement with Capitol Cove/Tatum for execution by the IWVGA at the March 2019 Board of Directors meeting.

The Ad Hoc Sub-Committee requests direction from the Board of Directors for the General Manager and Legal Counsel to work with Capitol Core/Tatum to prepare the draft Consultant Agreement with the Board of Directors for approval and execution at the March 2019 Board Meeting. The Ad Hoc Sub-Committee would assist the General Manager and Legal Counsel, as needed.

IWVGA ADMINISTRATIVE OFFICE***STAFF REPORT***

TO: IWVGA Board Members **DATE:** February 21, 2019

FROM: IWVGA Staff

SUBJECT: Agenda Item – Future Technical Advisory Committee (TAC) and Policy Advisory Committee (PAC) Meetings Being Held at City Hall

DISCUSSION

At the November 15, 2018 meeting of the Indian Wells Valley Groundwater Authority (“IWVGA”), Supervisor Gleason requested staff present the options for future IWVGA PAC and TAC meetings to be held in City Council Chambers so it may be video recorded. Staff indicated they would research the costs and availability and report back to the Board. The December 20th IWVGA meeting was canceled due to the Christmas holiday. With the leadership role transferring from the City to Indian Wells Valley Water District (IWWVD) at the first of the year, staff did not have the information to present at the January 17th meeting. In addition, the Board of Directors of IWWVD was considering an agenda item to purchase and install of video recording equipment for their Board room at their January 23rd Board workshop.

The IWWVD Board opted to continue with audio recording of their meetings only. Therefore, if the IWVGA Board desires to have the PAC and TAC committee meetings streamed live and/or video recorded, the Board will need to consider an alternative site for those meetings. Staff has confirmed City Council Chambers are generally available the first Thursday of the month between 1:00 p.m. and 8:00 p.m., however there may be a staffing issue with City IT to be present in the media room to record the meetings. There is also a cost associated with providing and staffing the venue. City Manager Ron Strand has provided an hourly rate of \$83 per hour as the cost for the venue. The Board room at the Water District does have the capability for audio recording and it has been made available at no cost to the IWVGA.

The typical TAC meeting lasts at least three and sometimes four hours. The PAC meeting is typically within the two hours scheduled. At five to six hours per month, the cost incurred would generally range from \$415 to \$498 per month, or \$4,980 to \$5,976 per year. It would be up to the City whether they would seek reimbursement or provide the venue in-kind.

ACTION(S) REQUIRED BY THE BOARD

Staff is seeking direction from the Board.

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

Ridgecrest City Hall, 100 W. California Ave, Ridgecrest, CA 93555

TECHNICAL ADVISORY COMMITTEE REPORT

February 21, 2019 Report

- Item 1. Call to Order of the February 7, 2019 meeting.
 - Present: Adam Bingham (Chairman), Eddy Teasdale, Don Decker, Tim Parker, Don Quist, Earl Wilson, Stephan Bork (by phone), Wade Major, and Scott O'Neil
 - Unable to attend: Michelle Anderson
 - No Rand Community Water District Representative
- Item 2. Public Comments.
 - Request for more handouts to be printed.
 - Mike Powell stated that he is available to represent Disadvantaged Communities on the TAC.
- Item 3. WSM Discussion of Draft GSP Sections - Plan Area, Basin Settings, Project and Management Actions, Sustainable Management Criteria, Implementation.
 - Alternative Water Supply Ad-Hoc Committee
 - Steve Johnson presented on the purpose and intent of the ad-hoc committee.
 - TAC Members voted and approved to have Adam Bingham, Don Decker, and Eddy Teasdale represent the TAC on the ad-hoc committee.
 - Navy-Coso Royalty Fund/Project List
 - Steve Johnson and Scott O'Neil explained the process for selecting the current priority list sent to the Navy and clarified that TAC input would be solicited prior to developing priority lists of projects for the next year of funding.
 - Scott O'Neil indicated it is important to start the discussions in advance of the beginning of the next Navy fiscal year.
 - Hydrogeologic Conceptual Model
 - Jean Moran presented the modeling timeline and current draft Hydrogeologic Conceptual Model figure.
 - TAC comments on the Hydrogeologic Conceptual Model were requested to be provided to the WRM by 02/15/2019.
 - Transport Model Run Results
 - Jenny Chapman (DRI) presented the transport model results of the baseline TDS conditions.
 - After Jenny Chapman and Jean Moran answered questions and provided clarifications, the TAC voted and approved the baseline TDS run.
 - Modeling Scenario 1 Results
 - Jean Moran presented a review of the baseline flow model run and reminded TAC members that the baseline model run indicated some wells (including some deep wells) will not be able to pump the specified baseline volume of pumping annually starting in approximately 2064.
 - Jeff Helsley presented a detailed summary of the Scenario 1 parameters and assumptions including the modeled concepts of pumping ramp downs, cliff pumping, recycled water use, imported water use, and a water market.

IWVGA TAC COMMITTEE

Meeting Report – February 21, 2019

- A member of the public commented that individual pumpers have not agreed upon the parameters modeled in Scenario 1.
 - Jenny Chapman presented the model results of Scenario 1.
 - Members of the public commented on infrastructure costs, current water hauling occurring in the basin, the need for more modeling scenarios.
- Brackish Water Model Run Status
 - Wade Major presented an overview of the concepts being developed by the Brackish Water Group and parameters of the first brackish water model run.
 - TAC members asked questions regarding power availability for RO processing and future infrastructure to be addressed
 - A member of the public asked if brackish water treatment was being considered in Searles Valley to reduce groundwater exportations from Indian Wells Valley.
- Additional Management Scenarios
 - Jeff Helsley presented a potential second modeling scenario and concepts to consider for the third and fourth scenarios.
 - TAC members agreed that groundwater replenishment of imported water should be modeled at the proposed site northwest of the Inyokern Airport.
 - TAC members suggested that the AVEK imported water concept also be modeled.
 - TAC members suggested that model scenarios include reductions in pumping starting later than the first scenario.
 - It was agreed upon that feedback from the allocation meetings is critical for modeling practical/feasible concepts.
 - TAC comments on additional model scenarios were requested to be provided to the WRM by noon on 02/12/2019.
- Monitoring Network and Data Gap Status Report
 - Jean Moran presented the current monitoring network and data gap timeline and provided an update on the TSS process.
- Stream Gages/Weather Stations
 - Jean Moran (for Steve Reich) presented the proposed stream gage and weather station locations and retrofits as well as recommendations for locations to install pressure transducers and recommendations for brands of monitoring instruments.
 - TAC members mentioned difficulties in finding good locations for building new stream gauges and also repairing or changing existing sites. Additional comments on the stream gages and weather station proposals were requested to be provided to the WRM by 02/13/2019.
- Prop 1 Scope/Budget
 - Heather Steele presented a brief summary of the Prop 1 Scope and Budget development in response to Peter Brown's requests.
 - TAC has not proposed any changes to the Prop 1 Scope and Budget.
- Item 4: Future Agenda Items
 - No comments.

IWVGA TAC COMMITTEE

Meeting Report – February 21, 2019

- Item 5: Future TAC Meeting Dates
 - March 7th, April 4th, May 2nd
- Item 6. WRM & TAC Announcements and Comments
 - 6a – WRM: No comments.
 - 6b – TAC:
 - Earl Wilson: Modeling must be used to show how wells may recover.
 - Eddy Teasdale: Modeling should include direct use of imported water through AVEK by the Water District.
 - Tim Parker: Draft Skytem Hydrogeologic Conceptual Model report will be available by next TAC meeting.
 - No additional comments from Don Quist, Stephan Bork, Wade Major, Scott O’Neil, Don Decker, and Adam Bingham.
- Item 7. Meeting adjourned at 4:47 pm.

IWVGA POLICY ADVISORY COMMITTEE REPORT

Thursday, February 7, 2019

Item 1. Call to Order

All members were present with the exception of Lyle Fisher and Ryan Klausch.

Item 2. Approval of PAC meeting minutes.

The September, November and December meeting minutes were approved. The January 3rd meeting minutes will be resubmitted pending review of the attorney meeting allocation report summary section by IWV GA Water Attorney, Mr. Jim Markman, for accuracy. Mr. Markman provided the report in person.

Item 3. Public Comment (Open-Not Related to Other Agenda Items)

Sophia Merck announced an open public meeting regarding water issues for disadvantaged communities to be held at the Inyokern Town Hall on February 20th at 6:00pm. The meeting will be recorded.

Item 4. Pumping Allocation Review and Update

4.a. Written comments from PAC members Nick Panzer and Judie Decker were provided on Mr. Markman' allocation review discussion during the January PAC meeting. Mr. Panzer's comments addressed California's "reasonable use" doctrine and precipitated public discussion in support and noting that SGMA may have created a new "protected" group with the definition and exclusion of deminimis pumpers.

4.b. Mr. Markman provided a written report summary update of the 11 January attorney meeting on allocation discussions and plan framework. The report is appended to this report for accuracy and completeness. No tasking for the PAC was requested from Mr. Markman.

- Concern was expressed by PAC members and public comment from IWVWD rate payers and domestic well owners that their interests were not being represented in these attorney meetings.
- Significant concern was also expressed that other options and alternatives were not considered, including the "land retirement" concept reportedly proposed in the central valley.
- It was noted from discussions at both the TAC and PAC this day that the alternatives and model scenarios are interdependent with the allocation framework discussions. Coordination is required with PAC and TAC discussions.
- The next meeting of attorneys is scheduled for Friday, February 15th.

Item 5. Draft GSP Chapter 1 (Section 1) review of individually submitted comments and next updated version.

- The Draft GSP Chapter 1 individual written comments (5 submissions from PAC members, 1 from Meadowbrook) were forwarded to the Water Resource Manager (WRM) on 11 January for consideration for inclusion in the next update of the draft.
- No new update to the draft GSP was provided for review.

Item 6. Review and Approve PAC ad hoc committee recommendation on Policy/Outreach for domestic well owners/deminimis pumpers

- The draft report was provided, as well as public comment including written submission from Meadowbrook. After lengthy discussion, including a public comment about offering a “church social” style public event, the decision was made to incorporate the comments and discussion points and have the ad hoc committee create the best positive message framework and tone possible, and present more specific recommendations to the GA in the final version at the March 7 PAC meeting.
- Additionally, the sense of the PAC members is that public outreach overall is still not to the level needed or recommended in the Communications Plan. The PAC recommends positive, direct contact (mailing?) to all users and property owners in the basin regarding SGMA, the potential impact to them, the GSP development, how they can be involved and help.

Item 7. Select PAC members for the GA ad-hoc committee to review proposals and recommend selection of a water marketing consultant

David Janiec, Judie Decker and Raj Jonnalagadda were selected for the ad hoc committee with the objective of reporting recommendations at the February 21 GA Board meeting.

Item 8. Future Agenda Items

- Review and approval of previous meeting minutes.
- Allocation status update. Review and new progress (if submitted)
- Draft GSP Chapter review from previous meeting and new draft chapter (if submitted)
- Ad Hoc Committee final report and recommendations on domestic/deminimis well owner public outreach.
- POA&M items 49 and 50, as tasked in the POA&M timeline
- The subject was again raised requesting clarification of PAC member ability to publicly comment (verbal or in writing) as an individual, with or without identifying their PAC member status. This can be satisfied with written clarification from staff. No written clarification has been received.

Item 9. Future PAC meeting dates

March 7, April 4, May 2.

Item 10. Member Comment

The Imported water technical report is not yet available or posted on the IWVGA website.

Meeting Adjourned at 8:55 p.m.

Submitted by: David Janiec, IWVGA PAC Chair, 15 FEB 2019



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MEMORANDUM

VIA ELECTRONIC MAIL

TO: David Janiec (david.janiec@chinalakealliance.org)
Steve Johnson (stevej@stetsonengineers.com)

FROM: James L. Markman *JLM*

DATE: February 4, 2019

SUBJECT: Report from January 11, 2019 Attorneys' Meeting on IWVGWA Allocation Plan

These notes are meant to roughly recite the subject matter of the above referenced meeting, the latest meeting of the attorneys discussing pumping allocations. The meeting was almost entirely devoted to the presentation, consideration and discussion of an allocation plan with the following discussed features:

1. Each party would have a Base Production right calculated which is based on the average amount of production which occurred in a base period of ten years (or five years) ending with calendar year 2014. So, the base period would commence with calendar year 2005 or 2010. Steve Johnson has provided a spreadsheet calculating the average production based on the ten and five year periods. Excepted from this process would be the Navy and "cliff pumpers" discussed below. The Base Production rights would be converted to percentages of "operating water rights.". The total amount of operating water rights would be determined by amounts of total production which is available without causing negative impacts. This would include the Basin natural safe yield and other water which is projected to become available through the implementation of projects, including the availability of reclaimed water, water through rights purchased and wheeled through LADWP facilities, and, at least for an interim period, brackish water.
2. Any rampdown imposed would be intended to match production with all anticipated available water and would be adjusted in accordance with projects

which do or do not result in increased available water. Amendments would occur at DWR accepted intervals (every five years).

3. Water pumped by each producer with a Base Production right and percentage of available water would be subject to the payment of fees, including administrative fees needed to operate the management plan and fees reflecting the total costs of projects undertaken and implemented to increase the total water supply. The fees also could include the costs of remediation of shallow wells which might be subject to damage by continued production at higher levels.

It also is anticipated that projects costs and fees would be offset to the maximum possible amount by available grants and the Navy COSO royalty fund, if available. The approach has been referred to commonly in past adjudications as a “gross pump tax or assessment” approach.

4. The Management Plan also would include transferability of Base Production rights and percentages on a 1 to 1 basis (no offsets due to supposedly different consumptive uses). The ability to transfer would commence immediately upon the imposition of the Implementation Plan.
5. The Management Plan also would provide one year of carryover rights for any producer who pumped less than its available percentage in a given year.
6. As stated above, the Navy production would be a set amount, subject to being increased if circumstances require the increase.
7. The de minimus producers would be afforded a pooled or gross allocation of production rights and that production would be subject to administrative fees, and possible project cost fees. Any individual production exceeding 2 acre feet in a year would fall out of the pool. The disposition of such a producer remains to be discussed. It was suggested that an information effort concerning conservation methods and the management program would be made to inform de minimus producers.
8. There was a discussion of a potential right to overproduce (pump more than accorded in a calendar year) subject to an additional fee, generally referred to as a replenishment fee. This concept will be discussed further.

9. Certain pumpers commenced production at a later date so that the average production approach would not be appropriate in dealing with them. As an alternative, such pumpers would be accorded an opportunity to pump to an extent necessary to meeting reasonable economic expectations with that production entirely ceasing at a point in time, referred to as cliff pumpers. The operable concept would be that these pumpers could expect to pump without rampdown for a period of time, but not for the full rampdown period so that their total production would be equitably established as compared to other pumpers. These rights would not be transferable, but the cliff pumpers could enter the transferability process to acquire a percentage of production rights which might allow them to continue production after the initial cessation point is reached.

The suggested approach would be discussed with clients to determine whether this approach is feasible, particularly considering the costs per acre foot of water subject to the above-referenced assessments. It also needs to be determined what the cost of water delivered through projects would cost per acre foot to determine whether different categories of pumpers such as agriculture, public water suppliers and industry could absorb those costs. Also, the concept of different pumping right amounts based on distinct management areas was mentioned, but would have to be discussed and would have to be integrated into the basic framework.

It needs to be understood that this was an initial conceptual discussion and the persons participating remain open to the discussion of other conceptual suggestions. This approach assumes that supplemental sources of water will become available, an assumption supported by the stated position of several parties who have given their input. Follow up meetings were set for February 15 and March 8 at 10:00 am. at Keith Lemieux's office.

New Statewide Law: Sustainable Groundwater Management Act

What does this mean for our local area?



POSTAGE AND ADDRESS HERE

The Sustainable Groundwater Management Act (SGMA) passed in 2014 requires SGMA-listed groundwater basins in California, including the Indian Wells Valley Groundwater Basin to:

- 1) Form a Groundwater Sustainability Agency - the Indian Wells Valley Groundwater Authority (I WVGA) formed in 2016
- 2) Develop a Groundwater Sustainability Plan (GSP) by January 2020 – IWVGA is working on developing the GSP
- 3) Become sustainable for groundwater use by January 2040 – the GSP will describe projects and actions for sustainability
- 4) Provide public opportunities for community input on the GSP

Public meetings are conducted as part of the process to develop the Groundwater Sustainability Plan.

- The IWVGA Board meets the third Thursday of the month at 10:00 AM in City Council Chambers at City Hall, located at 100 W. California Avenue.
- The Technical Advisory Committee (TAC) meets at 1:00 PM and the Policy Advisory Committee (PAC) meets at 6:00 PM, both on the first Thursday in the Board room of the Indian Wells Valley Water District located at 500 W. Ridgecrest Blvd.

For additional information, the IWVGA maintains a website, www.iwvga.org. To be added to the interested parties list, email IWVGA Clerk Lauren Duffy at lduffy@iwvwd.com