

IWVGA Board Meeting
July 13, 2022

DWR-APPROVED GSP IMPLEMENTATION UPDATE

- DWR Approved the GSP without any immediate or substantive contingencies or corrections
- DWR's approval expressly supported the scientific methodology and assumptions used in the GSP
- The Indian Wells Valley GSP is only one of 8 GSPs approved by DWR to date (34 deemed incomplete)
- DWR's **7 Recommended Corrective Actions (RCAs) do not impact the GSP's approval** and it has only been requested that the RCAs be addressed to some degree in the regularly scheduled 2025 Update.

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DWR APPROVED GSP REQUIRES IMMEDIATE IMPLEMENTATION

- The major water producers in the Basin have reasonably known since at least the mid-90s that the Basin's natural recharge could not support the current pumping but few if any substantive actions were taken. (See Dendy Report of 1997)
- The DWR approved GSP concludes that the Basin's natural recharge is insufficient to meet the current Domestic and Naval needs alone.
- The DWR approved GSP concludes that purposeful and immediate actions must be taken to achieve sustainability.

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DWR APPROVED GSP REQUIRES IMMEDIATE IMPLEMENTATION

- Approximately 1 percent of all Basin wells, have been reported dry to DWR since the adoption of SGMA
- The Shallow Well Impact Analysis in the DWR approved GSP predicts that without change roughly:
 - 1 in 10 wells (primarily shallow wells) will be substantially impacted by the 2030 and this increases to 1 in 4 wells by 2040.
- The estimated cost to mitigate the damages to these wells in the GSP is roughly \$75,000 per well

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DWR-APPROVED GSP'S PRIMARY SUSTAINABILITY PROJECTS

Project No. 1: Imported Water Program

Project No. 2: Recycled Water Program

Project No. 3: Conservation

Project No. 4: Shallow Well Mitigation Program

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SUSTAINABILITY PROJECT NO. 1: IMPORTED WATER PROGRAM

- Most Critical GSP Project For Achieving Basin Sustainability
- Full maximization of Recycled Water cannot meet the Domestic/Navy needs without augmentation from Imported Water
- Projected construction phase to take roughly 10 years
- Import Water Entitlement Purchase funded by Replenishment Fee and the phase length is determined by the import water users themselves.

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SUSTAINABILITY PROJECT NO. 1: IMPORTED WATER PROGRAM

Status Update – Interconnection Design Phase

- \$7.6 Million State grant obtained for pipeline design and environmental compliance documents.
- Pipeline alignment contractor selection expected in July Special Board Meeting
- Environmental contractor selection RFP is in progress
- Interconnection design phase is anticipated to be complete by 2025 at latest
- Fruitful discussions on additional State and Federal Funding are underway

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SUSTAINABILITY PROJECT NO. 1: IMPORTED WATER PROGRAM

Status Update – Water Purchase

- Grant opportunities for the purchase of import water have not existed and as a result the historic norm is for import water purchases to be funded by the users through long term low interest financing.
- The Replenishment Fee was adopted to fund supplemental water, including imported water purchases. Currently, the Water District has elected not to finance this cost.
- Financing would lower the cost impact on current users by spreading those costs to future users that also benefit from the purchase.
- Until very recently, interest rates have been historically low and as a result it was rationally anticipated that those paying the Replenishment Fee, especially the Water District, would manage the Fee through financing their purchase needs.

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SUSTAINABILITY PROJECT NO. 1: IMPORTED WATER PROGRAM

Status Update – Water Purchase

- Fruitful negotiations for Table A Water Entitlement have been on going.
- A Table A Entitlement water purchase has been generally agreed too in principle and will likely be fully executed in the coming weeks.
- Long term financing by the GA is in the process of being obtained for the initial purchase

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SUSTAINABILITY PROJECT NO. 2: RECYCLED WATER PROGRAM

Status Update –

- City’s WWTF is in need of replacement and its being upgraded to secondary treatment
- City and GA have an agreement for the Recycled Water Project for the benefit of Basin sustainability
- It has been determined that Basin percolation is minimal and therefore a direct injection is most feasible
- GSP Estimated cost = \$4,220 - \$5,080/AF (2% or 4% interest)
- Water District Estimated cost (per 2019 presentation) = \$2,300/AF (1% interest)

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SUSTAINABILITY PROJECT NO. 3: CONSERVATION

Status Update –

- Prop 1 SDAC project is currently be finalized
- GA to coordinate with Water District for Basin-wide Conservation programs

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SUSTAINABILITY PROJECT NO. 4: SHALLOW WELL MITIGATION PROGRAM

Status Update –

- Developed to provide relief to those whose wells that are damaged by the continuing overdraft of the Basin as import water is obtained and delivered.
- The program has been developed and applications for financial assistance for mitigation may be sent to the IWVGA.
- Funded by the Replenishment Fee and a charge on those using Transient Pool water
- An Emergency Assistance Program has been adopted with available funding.

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DWR-Approved GSP Implementation Update

Other Projects

- Brackish Water Study
 - Included in GSP as a conceptual project under consideration because water district work on this project was in progress
 - GA has continued reservations on effectiveness because brackish water is not new water
 - Water District staff have indicated Project may be financially infeasible

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DWR-Approved GSP Implementation Update

2025 GSP Update and RCAs

- Substantial work is already underway
- Draft GSP Update Outline Prepared
- Draft RCA Management Plan Prepared

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DWR-Approved GSP Implementation Update

2025 GSP Update and RCAs

- Current Tasks in Progress:
 - Revised C&E Plan (RCA #1)
 - CMP TMG evaluating data for model upgrades (RCA #2)
 - Draft Contingency plan (RCA #4)
 - GDE Monitoring plan (RCA #5)
- List of key topics (14 items) and approximate schedule distributed to TAC
 - TAC membership has been reduced due to recent resignations by Meadowbrook and Water District representatives

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