

INDIAN WELLS VALLEY GROUNDWATER AUTHORITY

TECHNICAL ADVISORY COMMITTEE MINUTES

**Indian Wells Valley Water District
500 West Ridgecrest Blvd.
Ridgecrest, CA 93555
Thursday, September 7 2017, 2:00 p.m.**

CALL TO ORDER/WELCOME AND INTRODUCTIONS:

The meeting was called to order by Don Zdeba at 2:00 p.m.

Don Zdeba introduced Steve Johnson, IWVGA Water Resources Manager (WRM), as well as Michelle Anderson of Kern County Water Agency who was appointed as a TAC member at the August 17th IWVGA Board Meeting.

Roll Call:

Eddy Teasdale, Large Agriculture – Meadowbrook
Wade Major, Large Agriculture – Mojave Pistachio
Michael Powell – Residential Customers – Rand Community Water District
Don Decker – Domestic Well Owners
Earl Wilson – Eastern Kern County Resource Conservation District
Adam Bingham – Wholesaler and Industrial User – Searles Valley Minerals
Renee Morquecho – Indian Wells Valley Water District
Stephan Bork – Department of the Navy
Michelle Anderson – Kern County Water Agency

PUBLIC COMMENTS:

None.

APPROVAL OF AUGUST 3rd MEETING MINUTES:

Don Decker asked that the following revisions be made to the August 3, 2017 IWVGA TAC Minutes:

Page 3 –

Don Decker provided a reprioritized summary of the IWVCGMG TAC projects that meet the Recommendations for Potential Grant Funding to support a Basin sustainability plan as well as a list and summary of Projects that are not in support of a basin sustainability plan. (Lists attached to minutes.)

Don Decker commented that he doesn't feel ~~energy~~ effort should be put toward the feasibility study. Don Zdeba clarified that the Brackish Groundwater Feasibility Study is being

made outside the realm of the IWVGA. No money from the Groundwater Authority (GA) is being funded expended.

Don Decker commented on suggestions of an expanded project to place additional stream gauges in Sierra Canyons. He cautioned that such an effort was unnecessary, as the canyons not already being monitored do not have surface flow except under very limited circumstances.

Motion was made by Adam Bingham and seconded by Eddy Teasdale to approve Minutes of the August 3, 2017 IWVGA TAC Meeting to reflect Don Decker's suggested edits. Motion carried unanimously.

ADMINISTRATIVE ISSUES:

a. Form 700 Reporting:

Don Zdeba commented that all TAC members have turned in their Form 700.

b. Ethics Training:

Don Zdeba commented that the following members still need to take Ethics Training:

- Michelle Anderson
- Don Decker
- Wade Major
- Eddy Teasdale

Members have one year from date of assuming office to complete Ethics Training, but have been requested to complete the training as soon as possible.

c. Nominations and selection of Chair and Vice Chair positions:

After receiving no nominations, Adam Bingham volunteered as Chair to the IWVGA TAC. Vote carried unanimously.

After, again, receiving no nominations, Eddy Teasdale volunteered as Vice Chair to the IWVGA TAC. Vote carried unanimously.

d. Arrangements for recording meeting notes going forward:

Adam Bingham volunteered Jade Brush, Searles Valley Minerals, to record future TAC meetings and provide minutes. Lauren Duffy agreed to act as recording secretary when Ms. Brush is unavailable to attend meetings.

REVIEW OF TASKS ASSIGNED AT THE AUGUST 3rd MEETING:

- a.** Research whether multiple projects can be included on a single grant application. (Assigned to Eddy Teasdale)

Eddy Teasdale answered that yes, multiple projects can be included on a single grant application.

- b.** Make available to the public the document produced by the Cooperative Groundwater Management Group TAC listing requirements for an acceptable

Groundwater Sustainability Plan and the status of each component of the plan. (Assigned to Don Zdeba)

Don Zdeba provided the list of requirements for an acceptable Groundwater Sustainability Plan and the status of each component of the plan to the Interested Parties list and TAC members via email.

c. Update the TAC project list and format it similar to the action register tool used by the IWV Cooperative Group. (Assigned to Eddy Teasdale)

Eddy Teasdale provided an updated TAC project list which was provided as a handout to the public. He clarified that the list is just a draft which includes some blank areas which will be filled in over time.

Steve Johnson commented that one assignment that Stetson Engineering has is to review the DRI model and give recommendations on the on-going USGS recharge study.

DISCUSSION OF PRIORITY PROJECT/TASKS:

a. Importation of Water

Eddy Teasdale commented that importation of water is something the TAC should reevaluate within the next six months.

Adam Bingham asked if LADWP would even be willing to give this valley some of the water from the recent water releases from the aqueduct.

Wade Major asked where the effort will come from to take the possibility of importing water to the next step. Will grant funding be applied for and, if approved, would a consultant then be hired or would a consultant be hired then grant funding applied for. Steve Johnson commented that Stetson Engineering will be assisting in grant funding applications.

Anthony Brown of aquilologic commented that we cannot overcome technical issues before overcoming political issues such as if LADWP would even allow importation of their water.

Public comment:

Stan Rajtora commented that the IWVGA TAC should work with the Kern County Water Agency (KCWA) and explore any possibilities available within Kern County.

b. Establishing a Data Base

i) Presentation of the Danish national data base as an example

Don Zdeba commented that he recently had the opportunity to visit Denmark and see how things are done in terms of groundwater management. Don Zdeba presented examples of Denmark's National Database which can be found at: <http://www.geus.dk/UK/data-maps/Pages/default.aspx>

Under “National Well Database (Jupiter)” is an interactive map which shows hydrogeological data from wells in Denmark.

Steve Johnson commented that they intend to provide a presentation regarding the structure and format of a database for the IWVGA. Once the IWVGA Board approves the draft database then Stetson will develop a scope and budget to implement the database.

Jean Moran, Supervising Hydrogeologist of Stetson Engineering, provided a brief overview of the work they have already done on the database.

Patricia Farris suggested that Stetson Engineering read the peer reviewed studies by David Williams which may help fill data gaps. The studies are available at The News Review office.

c. Updating the Existing Groundwater Model

Steve Johnson commented that there are a few tasks which Alan Christensen has asked Stetson engineering to work on. Such tasks include scope and budget of the following items:

- Develop a Groundwater Sustainability Plan (GSP).
- Attendance of TAC meetings and some PAC meetings.
- Prop. 1 funding. The application will be submitted within the first six months.
- Modeling review and recommendations also will be completed within the first six months.
- Database development to be completed within the first six months as well as on-going database collection.
- Keeping the budgets and schedules maintained.

Jean provided a scope of work for Stetson Engineering over the next 6-10 months.

d. Identification of Data Gaps

Steve Johnson commented that one of Stetson’s urgent priority data requests will be in regards to the Prop. 1 funding. Stetson will primarily run it through the TAC and PAC and let each Committee know what information is needed in order to make it as complete as possible.

DISCUSSION OF STATUS OF THE LOCAL CALIFORNIA STATEWIDE GROUNDWATER ELEVATION MONITORING (CASGEM) PROGRAM:

Adam Bingham commented that there have been some issues getting information from the Indian Wells Valley submitted to Department of Water Resources (DWR) for CASGEM. Some changes were made to the way information is submitted and updated. Once Mr. Bingham was able to submit the information, he received a significant amount of questions regarding missing data from the past. Mr. Bingham asked if the WRM would like him to continue gathering data as he has been going forward, or if the IWVGA Board would like to have Stetson take control. Don Zdeba commented that a conference call was held which Stetson Engineering was on and all

parties involved agreed to continue having Adam Bingham and Michelle Anderson handle CASGEM.

Michelle Anderson added that there are some wells that probably need to be removed and potentially replaced due to some wells they are no longer measuring. At this time, there are no viable alternatives for those wells.

A total of 39 wells are being reported to CASGEM, two of which provide information not within this basin and six which are no longer being measured.

Steve Johnson commented that they are in the process of transferring the designated agency for CASGEM from the Indian Wells Valley Cooperative Group (IWVCGMG) to the IWVGA. Mr. Johnson provided a list of information that is needed to make the transfer.

FUTURE AGENDA ITEMS:

Don Decker requested 7 items be added to the next IWVGA TAC meeting agenda (list attached to minutes).

Stetson Engineering to provide a presentation with regards to a database for the basin.

DISCUSSION ON AND REQUEST TO BOARD SEEKING APPROVAL OF REGULAR MEETING DATES:

The TAC members agreed on the following dates for future IWVGA TAC meetings, contingent on Board approval:

Thursday, October 12th – 2:00 p.m.

Thursday, November 2nd – 2:00 p.m.

Wednesday, December 6th – 1:00 p.m.

COMMITTEE MEMBER ANNOUNCEMENTS OR COMMENTS:

Earl Wilson had no comments/announcements.

Michael Powell commented that Randsburg Old West Day will be held on Saturday, September 16th.

Stephan Bork had no comments/announcements.

Adam Bingham reported that if the Seabees need help from Searles Valley Minerals to run electric logs that at least a day notice be provided.

Wade Major had no comments/announcements.

Renee Morquecho had no comments/announcements.

Eddy Teasdale had no comments/announcements.

Don Decker had no comments/announcements.

Michelle Anderson had no comments/announcements.

Stephen Johnson commented that a Prop. 1 application PowerPoint will be handed out to a few people that are interested. Mr. Johnson asked that Lauren Duffy provide him with the TAC members email addresses to answer questions asked.

ADJOURN:

With no further comments or discussion to come before the Committee, motion was made by Adam Bingham and seconded by Don Decker to adjourn the meeting at 3:55 p.m.

Respectfully submitted,

A handwritten signature in black ink, appearing to read 'Lauren Duffy', written in a cursive style.

Lauren Duffy
Executive Secretary
Indian Wells Valley Water District

9/7/2017

From: Don Decker

To: TAC Chairman and fellow IWV Groundwater Authority TAC members

Subj: requested TAC agenda items for the October meeting (TAC 3 or TAC 3- 17)

1. **We all realize the political and technical difficulties we face in devising a workable GSP. I submit this committee is well prepared to take a primary role in reaffirming the technical details of our water supply shortfall and its ramifications. This is an essential first step.**
2. To the end just outlined, I request that the following be placed on the agenda for the next meeting: *"Discussion of the existing estimates of the groundwater recharge and discharge in the IWV basin 6-54."*
3. TAC discussions and conclusions concerning these basin groundwater parameters are critical to the ultimate determination of the of the basin safe yield. These discussions will undoubtedly be carried forward to future meetings.
4. A second agenda item concerns the GA TAC relationship to the ongoing USGS IWV Basin Recharge Study. The USGS Study was begun under the Cooperative Groundwater Management TAC. Since that group has been dissolved and replaced by the GA TAC, it is appropriate to introduce the GA TAC to the USGS as their technical interface. I propose the GA TAC sign out a letter explaining this change to the USGS principals. Such a step would be accomplished as an agenda item for TAC 3. Here is my suggested wording for this item: *"Discussion and potential approval of a letter to be written to the USGS Recharge Study principals clarifying the dissolving of the Cooperative TAC and the assumption by the GA TAC of the IWV technical interface role"*.
5. I offer the further suggestion that we identify our meetings as I have done in the Subj line above. This description has several advantages over using the date as identification. Here is my wording of this agenda item: *"Discussion and potential approval of a revised means to identify specific TAC meetings."*
6. As another agenda item for TAC 3, I suggest a discussion and agreement on which of Mr Nick Panzer's action item list he presented to the PAC actually should start in the TAC since they involve specific technical issues. This will also involve coordination with the PAC itself. Here is my suggested agenda wording: *"Discussion and potential approval of the tentative assumption of certain of Mr Nick Panzer's action items he presented to the GA PAC since these items have substantial technical content."*
7. This Committee needs to obtain clarification of our ability to communicate directly with outside technical bodies, e.g., the USGS. It is likely that the avenue would involve the Water Resource Manager who would assume this responsibility for this Committee. Here is my suggested agenda wording: *"Discussion and potential approval of a request to the GA Board clarifying the ability of this committee to communicate directly with technical bodies and individuals, e.g., the USGS."*

Indian Wells Valley Groundwater Authority
Scope of Work/Budget to Prepare Proposition 1 Application for
Sustainability Groundwater Planning Grant
DRAFT – September 12, 2017

Dear Mr. Alan Christensen:

Stetson Engineers Inc. (Stetson) is pleased to provide this Scope of Work and Budget to the Indian Wells Valley Groundwater Authority (IWVGA) for preparation of a grant application (Application) for Proposition 1 funding under the California Department of Water Resources' (DWR) Sustainable Groundwater Planning (SGWP) grant program. The SGWP grant program provides funding for preparation of Groundwater Sustainability Plans (GSPs). The SGWP grant program also provides funding for certain groundwater sustainability projects serving Severely Disadvantaged Communities.

PROJECT UNDERSTANDING

The IWVGA is the Groundwater Sustainability Agency (GSA) for the Indian Wells Valley groundwater basin, which is identified by DWR as Basin 6-54 in Bulletin No. 118. The IWVGA was formed as a joint powers agency (JPA) in response to the provisions of the Sustainable Groundwater Management Act (SGMA) to have all groundwater basins managed by a Watermaster service or through a GSA. The IWVGA consists of "General Members" of the IWVGA Board (City of Ridgecrest, County of Inyo, County of Kern, County of San Bernardino, and Indian Wells Valley Water District). The IWVGA Board also includes non-voting "Associated Members" (United States Department of the

Interior Bureau of Land Management and the United States Navy Naval Air Weapons Station China Lake).

The Indian Wells Valley groundwater basin is classified as a “medium priority” basin pursuant to the California Statewide Groundwater Elevation Monitoring (CASGEM) program. The Indian Wells Valley groundwater basin is also classified as a “critically overdrafted” basin pursuant to DWR for the Bulletin No. 118 interim update (2016). As required in the SGMA, all Bulletin No. 118 basins designated as “high” or “medium priority” and “critically overdrafted” shall be managed under a Groundwater Sustainability Plan (GSP) by January 31, 2020, including the Indian Wells Valley groundwater basin.

Grant funding from DWR for the preparation of a GSP is available through Proposition 1 under the SGWP grant program. Funding under this program includes “Category 1” and “Category 2” projects.

- Category 1 projects include specific groundwater sustainability projects serving Severely Disadvantaged Communities (areas where the annual median household income is less than 60 percent of the State average). Category 1 projects are eligible to receive up to \$1 million in funding per project. In addition, Category 1 projects would receive a waiver on cost sharing.
- Category 2 projects include preparation of a GSP. Category 2 projects for “critically overdrafted” basins are eligible to receive up to \$1.5 million in funding per basin. A cost share minimum of 50 percent is required which may be reduced or waived if the project benefits disadvantaged communities

Pursuant to correspondence with DWR staff, it is Stetson’s understanding the IWVGA can submit a single Proposition 1 application under the SGWP grant program for Category 1 and/or Category 2 projects. However, the GSA/JPA would need to have

non-profit status to be eligible for Category 1 funding. Potential IWVGA projects for Category 1 and Category 2 funding are included in the project scope below.

The following Scope of Work presents Stetson's approach and proposed budget to prepare the Application for Proposition 1 funding:

PROJECT SCOPE

Task 1 Project Coordination

Stetson will coordinate the following items during the preparation of the Application for Proposition 1 funding for the Indian Valley Wells groundwater basin GSP:

- a) Stetson will coordinate with the IWVGA staff, the IWVGA Board, and other interested parties during the preparation of the Proposition 1 grant application. Stetson anticipates participation (in-person and/or conference call) in up to 3 meetings.
- b) Stetson will prepare a listing of data request items potentially needed to prepare the Application. Items may include tax identification number, contact information, available Geographical Information Systems (GIS) files, etc. The listing of data request items will be submitted to the IWVGA for distribution.
- c) The Application will be prepared and submitted through DWR's Grant Review and Tracking System (GRanTS) website. It is Stetson's understanding the IWVGA has registered with the GRanTS website and has an existing account.

Stetson will coordinate with the IWVGA for access and/or authorization to submit the completed Application through the GRanTS website on behalf of the IWVGA.

- d) The Application requires submittal of a Resolution from the IWVGA which authorizes an IWVGA representative to enter into an agreement with the State (see Task 3.d.1 below). Stetson will coordinate with the IWVGA to determine the IWVGA representative and will prepare a Resolution to be considered for approval during an IWVGA Board meeting prior to the Application due date.
- e) Stetson will coordinate potential GSP components, costs, matching funds, and schedule with the IWVGA for inclusion into the Application.

Task 2 Review Projects and Funding Eligibility Requirements

Stetson will further review the eligibility requirements under the SGWP grant program pertaining to the IWVGA. The requirements provided in the following documents will be reviewed:

- DWR's final "Proposal Solicitation Package (PSP) for Groundwater Sustainability Plans and Projects", dated September 8, 2017
- DWR's "Grant Program Guidelines", October 2015
- "GSP Regulations" (i.e. California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2)

Stetson will verify that the IWVGA meets the requirements under the SGWP grant program. These eligibility requirements include CASGEM, Urban Water Management

Plan, Agricultural Water Management, and surface water diversion report compliance (the review of these requirements is related to the Scope provided in Task 3c below).

Pursuant to a discussion with DWR staff, it is Stetson's understanding the IWVGA will meet CASGEM compliance if the Indian Wells Valley groundwater basin is in compliance under CASGEM (the CASGEM monitoring entity for the basin is currently the Indian Wells Valley Cooperative Groundwater Management Group). Stetson will verify basin compliance with DWR/CASGEM staff. It is also Stetson's understanding that a GSA (through a JPA) may not necessarily need to be compliant with the remaining requirements, however, a member agency will need to be compliant with these requirements if they are named in a grant agreement to receive funds from DWR.

Stetson will identify the potential Category 1 and Category 2 projects and determine the eligibility under SGWP grant guidelines. Category 2 projects associated with preparation of the GSP may be eligible under Category 1 if they serve Severely Disadvantaged Communities. Based on previous discussion by the IWVGA Technical Advisory Committee and others, the following is a prioritized listing of potential projects Stetson will review for eligibility and incorporation into the Application:

- Preparation of the GSP
- Installation of monitoring wells
- Updating and/or preparation of groundwater model
- Preparation of an imported water study
- Establishing a database

The following is a listing of projects previously discussed which will also be reviewed for inclusion in the Application:

- Preparation of a recharge study
- Preparation of a brackish water study
- Preparation of a Salt and Nutrient Management Plan
- Construction of wastewater treatment plant upgrades (for recycled water)

- Installation of new stream gages
- Installation of new weather stations
- Collection of Interferometric Synthetic Aperture Radar data to evaluate land subsidence
- Preparation of a stormwater capture study
- Water quality and stable isotope sampling
- Performing of aquifer tests
- Conducting a survey of all wells
- Partnering opportunities with the California Rural Water Association for training workshops for small water systems and disadvantaged communities

Task 3 Prepare Grant Application

The Application will be prepared and submitted through DWR's Grant Review and Tracking System (GRanTS) website. There are four (4) "Tabs" which need to be completed and include the following tasks below (Tasks 3a, 3b, 3c, and 3d):

Task 3a Prepare "Application Information" Tab

Stetson will develop and enter requested information into the "Application Information" tab in the GRanTS website which includes the following information (please note several categories have a maximum character limit):

- 1) Applicant Information (Organization Name; Tax ID; Point of Contact; Point of Contact Position Title; Proposal Name; Proposal Objective)

- 2) Budget Information (Other Contribution; Local Contribution (Cost Share); Federal Contribution; In-kind Contribution; Amount Requested (Grant Funds Requested); Total Proposal Cost)
- 3) Geographic Information (Latitude; Longitude; Longitude/Latitude Clarification; Location; County(ies); Groundwater Basins; Hydrologic Regions; Watershed(s))
- 4) Legislative Information (State Assembly, State Senate, and U.S. Congressional Districts)

Task 3b Prepare “Projects” Tab

Stetson will develop and enter requested information into the “Projects” tab in the GRanTS website which includes the following information (please note several categories have a maximum character limit):

- 1) Project Information (Project Name; Implementing Organization; Secondary Implementing Organization; Proposed Start Date; Proposed End Date; Scope of Work; Project Description; Project Objective)
- 2) Project Benefits Information (although this section is part of the application template, DWR indicates this section is “unnecessary” (i.e. “leave blank”). Stetson will not enter information into this section)
- 3) Project Budget (similar to Task 3.a.2 above)
- 4) Geographic Information (latitude and longitude information)
- 5) Legislative information (similar to Task 3.a.4 above)

Task 3c Prepare “Questions” Tab

Stetson will develop and enter requested information into the “Questions” tab in the GRanTS website which includes the following information:

- 1) Stetson will provide responses to the ten (10) eligibility questions on the GRanTS website (some responses have a maximum character limit). The responses will include preparation of a brief abstract and providing contact information. In relationship to Task 2 above, responses will be prepared to several questions pertain to CASGEM, Agricultural Water Management, Urban Water Management, State Water Resources Control Board surface water diversion report compliance.
- 2) As required by one of the ten eligibility questions, Stetson will prepare a map(s) illustrating the Indian Wells Valley groundwater basin, relevant features, and the locations of Disadvantaged Communities (DACs), Severely Disadvantaged Communities (SDACs), and/or Economically Distressed Areas (EDAs) present in the Indian Wells Valley groundwater basin area.
 - a. DACs are areas where annual median household income is less than 80 percent of the State average
 - b. SDAC are areas where annual median household income is less than 60 percent of the State average
 - c. EDAs are ‘municipalities with less than 20,000 people with a median household income less than 85 percent of the state average’ and ‘with low population density areas or unemployment rates 2 percent higher than the state average’

Task 3d Prepare “Attachments” Tab

Stetson will provide requested information into the “Attachments” tab in the GRanTS website. Up to nine (9) attachments are required for Application submittal. Stetson will provide and upload responses for Attachments 1 through 6 (required). Attachments 7, 8, and 9 apply to DACs, SDACs, and EDAs. Although optional, Stetson will review Attachments 7, 8, and 9 and prepare responses for each as applicable to the IWVGA.

1) Attachment 1 – Authorization

- a. As discussed in Task 1d above, Stetson will coordinate with the IVGWA in approving a Resolution for a representative of the IWVGA to enter into an agreement with the State.

2) Attachment 2 – Eligibility Applicant Documentation

- a. Stetson will prepare a written statement detailing IWVGA’s CASGEM, urban water management, agricultural water management, and/or surface water diverter compliance

3) Attachment 3 – Project Justification

- a. For Category 1 projects, Stetson will prepare written descriptions regarding: the proposal description (3-page maximum); project physical benefits (1-page maximum); and project support.
- b. For Category 2 (preparation of a GSP), Stetson will prepare written descriptions regarding: the proposal summary (1-page maximum); technical need (1-page maximum); financial need (1-page maximum); and project support.

4) Attachment 4 – Work Plan

- a. Stetson will prepare a work plan which will include a “scope of work” for each task under Category 1 and Category 2 projects. Separate work plans will be prepared under Category 1 and Category 2.
- b. The work plans will provide descriptions of the necessary tasks and applicable deliverables to completing the project. Project deliverables will include preparing quarterly progress and final reports, as required. Pursuant to DWR requirements, the work plans will also identify how interested parties (including groundwater users, stakeholders, and the general public) will be informed about the project progress, and how relevant reports and data will be provided to these groups.
- c. It is our understanding the final product under Category 2 shall be a completed GSP approved by DWR that complies with all GSP Regulations (i.e. California Code of Regulations, Title 23, Division 2, Chapter 1.5, Subchapter 2). It should be noted “DWR will not withhold final retention on a Category 2 project until the GSP is approved. However, DWR will keep the contract with the grantee open for at least 3 years following the submittal of the GSP. DWR may request that grant funds plus interest be returned to the State should the GSP submitted by the grantee be deemed inadequate by DWR.”

5) Attachment 5 – Budget

- a. Stetson will review the Work Plan tasks identified in Task 3.d.4 above and prepare line-item cost/budget estimates for each Work Plan task. Stetson will summarize the costs as applicable and enter the required budget

information into “Table 4 – Project Budget” of the PSP. Stetson will prepare a written description explaining the basis of the cost items (2-page maximum)

- b. Stetson will also complete “Table 5 – Proposal Budget” of the PSP summarizing the requested grant funding and cost sharing amounts.

6) Attachment 6 – Schedule

- a. Stetson will prepare a Gantt chart showing the “project schedule”, including tasks and subtasks as described in the Work Plan. Stetson will prepare a written description explaining how the project schedule is realistic, reasonable, and accomplishable (2-page maximum). As discussed above, it is Stetson’s understanding preparation of GSPs for “critically overdrafted” basins (i.e. Category 2 projects) are required to be completed by January 31, 2020.
- b. Stetson will also prepare a schedule which briefly summarizes the schedule of the overall project(s).

7) Attachments 7, 8 and 9

- a. Stetson will use GIS data to review the locations of DACs, SDACs, and EDAs within the IWVGA/basin boundaries. Other GIS data, including census and Median Household Income (MHI), may also be reviewed.
- b. Stetson will use the GIS data to prepare map(s) showing the locations of DACs, SDACs, and EDAs within the IWVGWA/basin boundaries (as discussed in Task 3.c.2 above)

c. Stetson will provide the map(s), GIS files, and a summary description regarding methodology and conclusions for the following attachments:

- i. Attachment 7 – Disadvantaged Community
- ii. Attachment 8 – Economically Distressed Area
- iii. Attachment 9 – Severely Disadvantaged Community

Task 4 Application Review and Submittal

The final PSP (i.e. grant application) for the SGWP grant program was provided by DWR on September 8, 2017. The application process is a nine (9) week process and will be completed by November 10, 2017. DWR will only accept applications during this period.

Stetson anticipates submitting a draft of the completed Application to the IWVGA's Technical Advisory Committee (TAC) and Policy Advisory Committee (PAC) by October 10, 2017 for review and comment. Stetson will incorporate comments into the draft Application for submittal to the IWVGA Board during the October 19, 2017 Board meeting. Stetson will incorporate any comments provide by the IWVGA Board. Upon completion of the incorporating IWVGA Board comments, Stetson will submit the Application through the GRanTS website by November 10, 2017.

During preparation of the draft Application, Stetson will review as applicable, "Table 6 – Application Evaluation Criteria for Category 1" and/or "Table 7 – Application Evaluation Criteria for Category 2", provided in the PSP, for DWR scoring guidance and advise the IWVGA Board.

Task 5 Continued Coordination and Clarification with DWR

Stetson will provide continued coordination with DWR staff regarding application requirements, submittal documents, Application review status, and response to DWR providing additional clarification. (It is anticipated DWR will request a significant amount of additional clarification above the requirements of the submitted Application.)

PROJECT BUDGET

The proposed not-to-exceed budget to complete Tasks 1 through 7, described above, is \$45,000 and will be billed on a time and materials basis.

Task 1	Project Coordination:	\$6,000
Task 2	Review Projects and Funding Eligibility Requirements:	\$4,000
Task 3a	Prepare "Application Information" Tab:	\$2,000
Task 3b	Prepare "Projects" Tab:	\$2,000
Task 3c	Prepare "Questions" Tab:	\$2,000
Task 3d	Prepare "Attachments" Tab:	\$16,000
Task 4	Application Revision and Submittal:	\$5,000
Task 5	Continued Coordination and Clarification with DWR:	\$8,0000

Thank you for considering Stetson's Scope and Budget and this opportunity to assist the IWVGA in preparing the Proposition 1 grant funding Application.

Sincerely,

Stephen B. Johnson
Stetson Engineers Inc.

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