Disadvantaged Community Involvement Program

Tulare-Kern Funding Area

Project Application Form

1. IRWM Region: Kings Basin
2. Funding Area: Tulare-Kern Funding Area
3. Applicant Name: Malaga County Water District
4. Project Title: Replace Well 5
5. Requested Grant Amount: $80,900
6. Point of Contact: (POC) Information (name, title, organization, phone, email):

   James Anderson, General Manager, Malaga County Water District, 559-485-7353, ja@malagacwd.org

7. Type of Funding Requested (Select One):

   ___ IRWM Application Costs (for projects that are ready for Round One (2019) IRWM Implementation funding)

   X Project Development Activities (feasibility study, preliminary design, CEQA, etc.) to prepare for Round Two (future) IRWM Implementation funding

8. Is the Applicant identified as a Disadvantaged Community (DAC) in the Preliminary Needs Assessment?

   X Yes ___ No *If not, provide justification for DAC status.*

9. Does the project address one or more of the following issues for a DAC?

Project Title	Benefits 100% to DAC?	Human Right to Water?	Innovative Technology?	Contribute to regional water self-reliance?	Address AB 1249 Contaminants(s)?
Well 5 Replacement	Yes	Yes		Yes	

A. PROJECT INFORMATION

1. Project Summary: Provide a brief description of the project, the need(s) it addresses, and the intended outcomes/benefits. The project may include a feasibility study, community outreach, preliminary design, environmental review, or other activities. The project may also include IRWM application costs.

   The proposed project is for the preliminary design and preparation of CEQA documents necessary for the replacement of Well No. 5. A test hole has been constructed to determine the viability of a replacement well. Subsequent to completion of the preliminary design and environmental documents the project would include preparation and submittal of an application for IRWM Round 2 implementation funding for final design and construction.

2. Provide project map. Include location of project, project benefit and/or service area, and other applicable information.

3. Project Type: X Water Supply or Quality ____ Sewer or Wastewater

Other: [ ]

Select most applicable project type. If "Other" is selected, please write in the space provided the proposed project type.

4. If the project will affect groundwater, does the project have support of the local Groundwater Sustainability Agency? ____ Yes ____ No

Provide a letter of support from the GSA, if available, or other form of correspondence with the GSA regarding the proposed project.

B. SELECTED ELIGIBILITY REQUIREMENTS

1. Does the project directly respond to water management need(s) of DACs in the Funding Area, as identified in the Preliminary Needs Assessment? X Yes ___ No

a. What DAC need(s) does the project address? Identify and explain.

The Malaga County Water District (MCWD) is a DAC. A capacity evaluation for MCWD was performed in 2015 and updated in 2019. The recommendation of the capacity evaluation was that additional water supply and redundancy of water supply was needed for the MCWD. The existing Well No. 5 has DBCP that exceeds the MCL and has been a standby well. The MCWD received a CDBG grant that allowed a test hole to be constructed in the vicinity of Well No. 5 to determine the viability of constructing a new water supply well. The hydrogeological evaluation indicated that a new water supply well was viable.

2. Does the project benefit a small (<10,000 population) DAC? X Yes ___ No

Community	Population	MHI (include source)
Malaga County Water District	947	$42,250 (US Census 2012-16

3. Does the project provide a benefit that meets at least one of the Statewide Priorities as defined in the 2016 IRWM Grant Program Guidelines?

☒ Yes ☐ No If Yes, Please identify below.

1. Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government: a. Ensure water security at the local level; b. Provide assistance to disadvantaged communities.
2. Provide Safe Water for All Communities: a. Provide all Californians the right to safe, clean, affordable and accessible water; b. Provide funding assistance for vulnerable communities.
3. Manage and prepare for dry periods.

C. WORK PLAN, BUDGET, and SCHEDULE

CI. Work Plan: Provide a brief Project Description, including summary of tasks for the project development activity that is being proposed. The scope must include coordination with the IRWM to get the project on the IRWM project list for future implementation funding. (Attach additional pages if needed)

Prepare preliminary design and prepare CEQA documents for the construction of a new well and appurtenances to replace existing Well No. 5. The existing well would be destroyed in accordance with regulations. Present the project to the Board of Directors for approval. Submit the project to the IRWM for listing as a future project for implementation funding. Prepare and submit an IRWM Round 2 grant application for implementation funding for preparation of final design documents and construction/implementation.

2. Budget: Provide cost estimate by task identified in the Work Plan description. Cost share is not required.

Table 1 - Project Development Budget

	Task	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source	(c) Other Fund Source	(d) Total Cost
(1)	Preliminary Design	$32,700	$0	$0	$32,700
(2)	Environmental Documents	$41,500	$0	$0	$41,500
(3)	IRWM Round 2 Implem. Grant App.	$6,700	$0	$0	$6,700
(4)					
(5)					
	Grand Total	$80,900	$0	$0	$80,900

Identify the source of Other Funds, if applicable.

3. Schedule: Include reasonable estimates of the start and end dates for each task listed in Table 1 - Project Development Budget.

Table 2 – Project Development Schedule

	Task	Start Date	End Date
(1)	Preliminary Design	August 1, 2019	January 3, 2020
(2)	Environmental Documents	November 1, 2019	April 30, 2020
(3)	IRWM Round 2 Implementation Grant Appl.	TBD	TBD
(4)			
(5)			

D. OTHER PROJECT INFORMATION

1. Does the proposed project benefit multiple DACs? ____Yes X No

If Yes, provide a description of the impacts to the various DACs.

2. Does the project address a contaminant listed in AB 1249? ____Yes X No

If yes, provide a description of how the project helps address the contamination.

3. Does the project improve the provision of safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes, consistent with AB 685 (Human Right to Water)? X Yes ____No

If yes, please describe.

The ultimate completed project will result in the significant improvement of the potable water, ensuring the delivery of safe, clean and affordable water for the community and its extra-territorial customers.

E. ENVIRONMENTAL

1. Please fill out the Table below, if applicable:

Table 3 – CEQA Timeline

CEQA STEP	COMPLETE? (Y/N)	ESTIMATED DATE TO COMPLETE
Initial Study	N	January 1, 2020
Lead Agency (MCWD)	N	N/A
Notice of Preparation	N	December 1, 2019
Draft EIR/MND/ND	N	February 1, 2020
Public Review	N	February - March, 2020
Final EIR/MND/ND	N	March, 2020
Adoption of Final EIR/MND/ND	N	April, 2020
Notice of Determination	N	April, 2020

a. If additional explanation or justification of the timeline is needed, please describe below (optional).

F. CONSULTANT SELECTION

1. Does the Applicant have a District Engineer or other Engineering Consultant with history working on the design or evaluation of its facilities, which is preferred to perform the scope of work identified herein?

   If yes, provide contact information (Name, Title, Organization, Phone, Email)

   Michael Taylor, Principal Engineer, Provost & Pritchard Consulting Group, (559) 449-2700, mtaylor@ppeng.com

   Note: The preferred consultant, if noted, will be contacted regarding this project. If the consultant and the County of Tulare are able to come to agreement, a contract between the County and consultant may be initiated. While applicant preferences will be taken into account, the County of Tulare does not commit to retaining the services of the preferred consultant.

2. If the Applicant does not have a preferred consultant, a consultant may be recommended by the respective IRWM, or work may be conducted by the Project Team. Any recommended consultants would require pre-approval from the County of Tulare, and would be required to enter into a contract with the County of Tulare.

G. IRWMP Regional Goals:

*1) Insert an 'X' next to the **ONE** primary Kings Basin IRWMP goal that is most applicable to this project and provide a narrative explanation as to how the project meets that one goal.*

2) Insert an 'X' next to secondary Kings Basin IRWMP goals that apply to this project (checking more than one secondary goal is OK) and provide a brief narrative explanation as to how the project meets each goal.

Put 'X' by one Primary Goal	Put 'X' by Secondary Goals that apply	No.	Goal
		RG1	Halt, and ultimately reverse, the current overdraft and provide for sustainable management of surface and groundwater
✓		RG2	Increase the water supply reliability, enhance operational flexibility, and reduce system constraints
	✓	RG3	Improve and protect water quality
		RG4	Provide additional flood protection
		RG5	Protect and enhance aquatic ecosystems and wildlife habitat.

For Regional Goal(s) checked above, explain here how the project meets each one (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

The primary goal of the project (RG2) is to provide a reliable water supply well for the community of Malaga in order to satisfy the requirements of potable water during peak periods. The water supply evaluation identified deficiencies in the water supply portion of the water system. The existing Well No. 5 has concentration of DBCP that exceeds the MCL. A test hole was constructed in the vicinity of the existing well. The results of the test hole sampling indicated that a new production well is viable.

The secondary goal of the project (RG3) is to provide potable water that meets DDW standards relative to water quality. The existing well is designated as a standby well due to the water quality deficiency.

H. IRWMP Measurable Objectives:

*1) Insert an 'X' next to the **ONE** primary Kings Basin IRWMP objective that is most applicable to this project and provide a narrative explanation as to how the project meets that one objective.*

2) Insert an 'X' next to secondary Kings Basin IRWMP Measurable objectives that apply to this project (checking more than one secondary objective is OK) and provide a brief narrative explanation as to how the project meets each objective.

3) For each primary and secondary objective selected, you must provide sufficient detail as to how the performance of the objective will be measured.

Put 'X' by one Primary Objective	Put 'X' by Secondary Objectives that apply	No.	Goal
		MO1	Increase amount of groundwater in storage with intent to eliminate the groundwater overdraft in 20 years
		MO2	Identify opportunities and Projects
✓		MO3	Identify DAC priority needs and promote/support solutions to DAC water issues
		MO4	Increase average annual supply and reduce demand
	✓	MO5	Increase dry year supply
		MO6	Increase regional conveyance capacity
		MO7	Compile baseline water quality data for ground & surface water
	✓	MO8	Encourage Best Management Practices, policies & education that protect water quality
	✓	MO9	Identify sources of water quality problems & promote/support solutions to improve water quality
		MO10	Increase surface storage
		MO11	Sustain the Kings River Fisheries Management Program
		MO12	Pursue opportunities to incorporate habitat benefits into projects

		MO13	Increase public awareness of IRWM Efforts
	✓	MO14	Involve local water districts and land use agencies in generating and confirming the current and future water needs to ensure compatibility and consistency with land use and water supply plans.
		MO15	Comply with SBx7-7
		MO16	Pursue opportunities to include project elements that reduce energy consumption, reduce GHG emissions, use renewable resources or include carbon sequestration strategies.

For Measurable Objective(s) checked above, explain here how the project meets each one and how each can be measured (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

The primary DAC need (MO3) is to achieve sufficient reliable potable water supply for the community. Upon completion of the well and incorporation of the well into the community water system, the water capacity evaluation can be updated to confirm that sufficient water supply exists.

The secondary measurable objective (MO5) would be satisfied with the additional well to allow for additional water sources for dry years. Secondary objectives MO8 and MO9 address water quality improvement and sustainability. The design of the well would be to avoid the specific aquifers that have water quality that exceeds drinking water MCLs. Avoidance of the poor water quality is preferred over treatment alternatives due to on-going costs and sustainability limitations.

In addition, MO14 is addressed with the improvement of water supply capabilities to satisfy present and near term water supply requirements of the community of Malaga.

Disadvantaged Community Involvement Program

Tulare-Kern Funding Area

Project Application Form

1.	IRWM Region:	Kings Basin
2.	Funding Area:	Tulare-Kern Funding Area
3.	Applicant Name:	Malaga County Water District
4.	Project Title:	Conduct Pilot Study to reduce Ec at Selected Sources or the WWTP
5.	Requested Grant Amount:	$235,000

6. Point of Contact: (POC) Information (name, title, organization, phone, email):

James Anderson, General Manager, Malaga County Water District, 559-485-7353, ja@malagacwd.org

7. Type of Funding Requested (Select One):

____IRWM Application Costs (for projects that are ready for Round One (2019) IRWM Implementation funding)

X Project Development Activities (feasibility study, preliminary design, CEQA, etc.) to prepare for Round Two (future) IRWM Implementation funding

8. Is the Applicant identified as a Disadvantaged Community (DAC) in the Preliminary Needs Assessment?

X Yes ___ No *If not, provide justification for DAC status.*

9. Does the project address one or more of the following issues for a DAC?

Project Title	Benefits 100% to DAC?	Human Right to Water?	Innovative Technology?	Contribute to regional water self-reliance?	Address AB 1249 Contaminants(s)?
Pilot Study to reduce Ec	Yes		Yes	Yes	

A. PROJECT INFORMATION

1. Project Summary: Provide a brief description of the project, the need(s) it addresses, and the intended outcomes/benefits. The project may include a feasibility study, community outreach, preliminary design, environmental review, or other activities. The project may also include IRWM application costs.

The proposed project is for the investigation of selected sources of electroconductivity to the WWTP and to review alternative technologies to remove the electroconductivity from the sanitary sewer system, therefore reducing the mass of electroconductivity discharged to the WWTP disposal ponds. The proposed project would investigate recycling opportunities for the treated effluent. The proposed project would also investigate alternative technologies to remove the water portion of the waste electroconductivity so that the salts can be disposed of in an economical manner. Subsequent to completion of the feasibility study, the project would include preparation and submittal of an application for IRWM Round 2 implementation funding for final design and construction.

2. Provide project map. Include location of project, project benefit and/or service area, and other applicable information.

3. Project Type: _____ Water Supply or Quality X Sewer or Wastewater

Other: [ ]

Select most applicable project type. If "Other" is selected, please write in the space provided the proposed project type.

4. If the project will affect groundwater, does the project have support of the local Groundwater Sustainability Agency? ____ Yes ____ No

Provide a letter of support from the GSA, if available, or other form of correspondence with the GSA regarding the proposed project.

B. SELECTED ELIGIBILITY REQUIREMENTS

1. Does the project directly respond to water management need(s) of DACs in the Funding Area, as identified in the Preliminary Needs Assessment? X Yes ___ No

   a. What DAC need(s) does the project address? Identify and explain.

The project has the potential to conserve potable water through the application of recycled water to industrial users. The removal of salts from the wastewater effluent could reduce salinity returning to the groundwater basin. In addition, the reduction of total sewage treated by the wastewater treatment plant could reduce the total volume of sewage treated at the plant.

2. Does the project benefit a small (<10,000 population) DAC? X Yes ___ No

Community	Population	MHI (include source)
Malaga County Water District	947	$42,250 (US Census 2012-16

3. Does the project provide a benefit that meets at least one of the Statewide Priorities as defined in the 2016 IRWM Grant Program Guidelines?

☒ Yes ☐ No If Yes, Please identify below.

1. Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government: a. Ensure water security at the local level; b. Provide assistance to disadvantaged communities.
2. Provide Safe Water for All Communities: a. Provide all Californians the right to safe, clean, affordable and accessible water; b. Provide funding assistance for vulnerable communities.
3. Increase the use of recycled water, increase water conservation efforts.

C. WORK PLAN, BUDGET, and SCHEDULE

CI. Work Plan: Provide a brief Project Description, including summary of tasks for the project development activity that is being proposed. The scope must include coordination with the IRWM to get the project on the IRWM project list for future implementation funding. (Attach additional pages if needed)

The proposed project is for the investigation of selected sources of Ec to the WWTP and to review alternative technologies to remove Ec from the sanitary sewer system, therefore reducing the mass of Ec discharged to the WWTP disposal ponds. The proposed project would investigate recycling opportunities for the treated effluent. The proposed project would also investigate alternative technologies to remove the water portion of the waste stream so that the salts can be disposed of in an economical manner. Present project to Board of Directors for approval of Project in Concept. Submit project to IRWM for listing as future project for implementation funding.

2. Budget: Provide cost estimate by task identified in the Work Plan description. Cost share is not required.

Table 1 - Project Development Budget

	Task	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source	(c) Other Fund Source	(d) Total Cost
(1)	Feasibility Study		$0	$0	
(2)	IRWM Round 2 Implem. Grant App.	$6,700	$0	$0	$6,700
(3)					
(4)					
(5)					
	Grand Total		$0	$0	

Identify the source of Other Funds, if applicable.

3. Schedule: Include reasonable estimates of the start and end dates for each task listed in Table 1 - Project Development Budget.

Table 2 – Project Development Schedule

	Task	Start Date	End Date
(1)	Feasibility Study	August 1, 2019	July 31, 2020
(2)	IRWM Round 2 Implem. Grant App.	TBD	TBD
(3)			
(4)			
(5)			

D. OTHER PROJECT INFORMATION

1. Does the proposed project benefit multiple DACs? ___Yes X No

   If Yes, provide a description of the impacts to the various DACs.

2. Does the project address a contaminant listed in AB 1249? ___Yes X No

   If yes, provide a description of how the project helps address the contamination.

3. Does the project improve the provision of safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes, consistent with AB 685 (Human Right to Water)? ___Yes X No

   If yes, please describe.

E. ENVIRONMENTAL

1. Please fill out the Table below, if applicable:

Table 3 – CEQA Timeline		
CEQA STEP	**COMPLETE? (Y/N)**	**ESTIMATED DATE TO COMPLETE**
Initial Study	N	Part of Implementation Grant
Lead Agency (MCWD)	N	Part of Implementation Grant
Notice of Preparation	N	Part of Implementation Grant
Draft EIR/MND/ND	N	Part of Implementation Grant
Public Review	N	Part of Implementation Grant
Final EIR/MND/ND	N	Part of Implementation Grant
Adoption of Final EIR/MND/ND	N	Part of Implementation Grant
Notice of Determination	N	Part of Implementation Grant

a. If additional explanation or justification of the timeline is needed, please describe below (optional).

Preparation of environmental documents will be conducted at the time implementation grant funding is secured.

F. CONSULTANT SELECTION

1. Does the Applicant have a District Engineer or other Engineering Consultant with history working on the design or evaluation of its facilities, which is preferred to perform the scope of work identified herein?

   If yes, provide contact information (Name, Title, Organization, Phone, Email)

Michael Taylor, Principal Engineer, Provost & Pritchard Consulting Group, (559) 449-2700, mtaylor@ppeng.com

Note: The preferred consultant, if noted, will be contacted regarding this project. If the consultant and the County of Tulare are able to come to agreement, a contract between the County and consultant may be initiated. While applicant preferences will be taken into account, the County of Tulare does not commit to retaining the services of the preferred consultant.

2. If the Applicant does not have a preferred consultant, a consultant may be recommended by the respective IRWM, or work may be conducted by the Project Team. Any recommended consultants would require pre-approval from the County of Tulare, and would be required to enter into a contract with the County of Tulare.

G. IRWMP Regional Goals:

*1) Insert an 'X' next to the **ONE** primary Kings Basin IRWMP goal that is most applicable to this project and provide a narrative explanation as to how the project meets that one goal.*

2) Insert an 'X' next to secondary Kings Basin IRWMP goals that apply to this project (checking more than one secondary goal is OK) and provide a brief narrative explanation as to how the project meets each goal.

Put 'X' by one Primary Goal	Put 'X' by Secondary Goals that apply	No.	Goal
✓		RG1	Halt, and ultimately reverse, the current overdraft and provide for sustainable management of surface and groundwater
	✓	RG2	Increase the water supply reliability, enhance operational flexibility, and reduce system constraints
	✓	RG3	Improve and protect water quality
		RG4	Provide additional flood protection
		RG5	Protect and enhance aquatic ecosystems and wildlife habitat.

For Regional Goal(s) checked above, explain here how the project meets each one (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

H. IRWMP Measurable Objectives:

*1) Insert an 'X' next to the **ONE** primary Kings Basin IRWMP objective that is most applicable to this project and provide a narrative explanation as to how the project meets that one objective.*

2) Insert an 'X' next to secondary Kings Basin IRWMP Measurable objectives that apply to this project (checking more than one secondary objective is OK) and provide a brief narrative explanation as to how the project meets each objective.

3) For each primary and secondary objective selected, you must provide sufficient detail as to how the performance of the objective will be measured.

Put 'X' by one Primary Objective	Put 'X' by Secondary Objectives that apply	No.	Goal
		MO1	Increase amount of groundwater in storage with intent to eliminate the groundwater overdraft in 20 years
✓		MO2	Identify opportunities and Projects
	✓	MO3	Identify DAC priority needs and promote/support solutions to DAC water issues
	✓	MO4	Increase average annual supply and reduce demand
		MO5	Increase dry year supply
		MO6	Increase regional conveyance capacity
		MO7	Compile baseline water quality data for ground & surface water
	✓	MO8	Encourage Best Management Practices, policies & education that protect water quality
	✓	MO9	Identify sources of water quality problems & promote/support solutions to improve water quality
		MO10	Increase surface storage
		MO11	Sustain the Kings River Fisheries Management Program
		MO12	Pursue opportunities to incorporate habitat benefits into projects

		MO13	Increase public awareness of IRWM Efforts
		MO14	Involve local water districts and land use agencies in generating and confirming the current and future water needs to ensure compatibility and consistency with land use and water supply plans.
		MO15	Comply with SBx7-7
	✓	MO16	Pursue opportunities to include project elements that reduce energy consumption, reduce GHG emissions, use renewable resources or include carbon sequestration strategies.

For Measurable Objective(s) checked above, explain here how the project meets each one and how each can be measured (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

Disadvantaged Community Involvement Program

Tulare-Kern Funding Area

Project Application Form

1.	IRWM Region:	Kings Basin
2.	Funding Area:	Tulare-Kern Funding Area
3.	Applicant Name:	Malaga County Water District
4.	Project Title:	Water Storage Tank
5.	Requested Grant Amount:	$ 84,900

6. Point of Contact: (POC) Information (name, title, organization, phone, email):

James Anderson, General Manager, Malaga County Water District, 559-485-7353, ja@malagacwd.org

7. Type of Funding Requested (Select One):

____IRWM Application Costs (for projects that are ready for Round One (2019) IRWM Implementation funding)

X Project Development Activities (feasibility study, preliminary design, CEQA, etc.) to prepare for Round Two (future) IRWM Implementation funding

8. Is the Applicant identified as a Disadvantaged Community (DAC) in the Preliminary Needs Assessment?

X Yes ___ No *If not, provide justification for DAC status.*

9. Does the project address one or more of the following issues for a DAC?

Project Title	Benefits 100% to DAC?	Human Right to Water?	Innovative Technology?	Contribute to regional water self-reliance?	Address AB 1249 Contaminants(s)?
Water Storage Tank	Yes	Yes		Yes	

A. PROJECT INFORMATION

1. Project Summary: Provide a brief description of the project, the need(s) it addresses, and the intended outcomes/benefits. The project may include a feasibility study, community outreach, preliminary design, environmental review, or other activities. The project may also include IRWM application costs.

The proposed project is for the preliminary design, property appraisal, and preparation of CEQA documents necessary for the construction of a new water storage tank and booster pumping station. Subsequent to completion of the preliminary design and environmental documents the project would include preparation and the submittal of an application for IRWM Round 2 implementation funding for final design, property acquisition, and construction.

2. Provide project map. Include location of project, project benefit and/or service area, and other applicable information.

3. Project Type: X Water Supply or Quality ____ Sewer or Wastewater

Other: [ ]

Select most applicable project type. If "Other" is selected, please write in the space provided the proposed project type.

4. If the project will affect groundwater, does the project have support of the local Groundwater Sustainability Agency? ____ Yes ____ No

Provide a letter of support from the GSA, if available, or other form of correspondence with the GSA regarding the proposed project.

B. SELECTED ELIGIBILITY REQUIREMENTS

1. Does the project directly respond to water management need(s) of DACs in the Funding Area, as identified in the Preliminary Needs Assessment? X Yes ___ No

   a. What DAC need(s) does the project address? Identify and explain.

The water storage tank would allow for pumping of the groundwater supply wells during the night at lower power costs, then distribution of the water from the water storage tank with smaller booster pumps. The water storage tank would therefore save energy costs. The water storage tank provides for backup supply in the event there would be temporary disruption of the existing groundwater supply wells.

2. Does the project benefit a small (<10,000 population) DAC? X Yes ___ No

Community	Population	MHI (include source)
Malaga County Water District	947	$42,250 (US Census 2012-16

3. Does the project provide a benefit that meets at least one of the Statewide Priorities as defined in the 2016 IRWM Grant Program Guidelines?

☒ Yes ☐ No If Yes, Please identify below.

1. Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government: a. Ensure water security at the local level; b. Provide assistance to disadvantaged communities.
2. Provide Safe Water for All Communities: a. Provide all Californians the right to safe, clean, affordable and accessible water; b. Provide funding assistance for vulnerable communities.
3. Manage and prepare for dry periods.

C. WORK PLAN, BUDGET, and SCHEDULE

CI. Work Plan: Provide a brief Project Description, including summary of tasks for the project development activity that is being proposed. The scope must include coordination with the IRWM to get the project on the IRWM project list for future implementation funding. (Attach additional pages if needed)

Prepare preliminary design and prepare CEQA documents for the construction of a new tank and appurtenances. 5. Present the project to Board of Directors for approval. Submit project to IRWM for listing as a future project for implementation funding. Prepare and submit IRWM Round 2 grant application for implementation funding for preparation of final design documents and construction/implementation

2. Budget: Provide cost estimate by task identified in the Work Plan description. Cost share is not required.

Table 1 - Project Development Budget

	Task	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source	(c) Other Fund Source	(d) Total Cost
(1)	Preliminary Design	$32,700	$0	$0	$32,700
(2)	Environmental Dccuments	$41,500	$0	$0	$41,500
(3)	Property appraisal	$4,000	$0	$0	$4,000
(4)	IRWM Round 2 Implem. Grant App.	$6,700	$0	$0	$6,700
(5)					
	Grand Total	$84,900	$0	$0	$84,900

Identify the source of Other Funds, if applicable.

3. Schedule: Include reasonable estimates of the start and end dates for each task listed in Table 1 - Project Development Budget.

Table 2 – Project Development Schedule

	Task	Start Date	End Date
(1)	Preliminary Design	August 1, 2019	January 3, 2020
(2)	Environmental Documents	November 1, 2019	April 30, 2020
(3)	Property Appraisal	August 1, 2019	October 1, 2019
(4)	IRWM Round 2 Implementation Grant Appl.	TBD	TBD
(5)			

D. OTHER PROJECT INFORMATION

1. Does the proposed project benefit multiple DACs? ____Yes X No

If Yes, provide a description of the impacts to the various DACs.

2. Does the project address a contaminant listed in AB 1249? ____Yes X No

If yes, provide a description of how the project helps address the contamination.

3. Does the project improve the provision of safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes, consistent with AB 685 (Human Right to Water)? X Yes ____No

If yes, please describe.

The ultimate completed project will result in the significant improvement of the potable water, ensuring the delivery of safe, clean and affordable water for the community and its extra-territorial customers.

E. ENVIRONMENTAL

1. Please fill out the Table below, if applicable:

Table 3 – CEQA Timeline

CEQA STEP	COMPLETE? (Y/N)	ESTIMATED DATE TO COMPLETE
Initial Study	N	January 1, 2020
Lead Agency (MCWD)	N	N/A
Notice of Preparation	N	December 1, 2019
Draft EIR/MND/ND	N	February 1, 2020
Public Review	N	February - March, 2020
Final EIR/MND/ND	N	March, 2020
Adoption of Final EIR/MND/ND	N	April, 2020
Notice of Determination	N	April, 2020

a. If additional explanation or justification of the timeline is needed, please describe below (optional).

F. CONSULTANT SELECTION

1. Does the Applicant have a District Engineer or other Engineering Consultant with history working on the design or evaluation of its facilities, which is preferred to perform the scope of work identified herein?

   If yes, provide contact information (Name, Title, Organization, Phone, Email)

Michael Taylor, Principal Engineer, Provost & Pritchard Consulting Group, (559) 449-2700, mtaylor@ppeng.com

Note: The preferred consultant, if noted, will be contacted regarding this project. If the consultant and the County of Tulare are able to come to agreement, a contract between the County and consultant may be initiated. While applicant preferences will be taken into account, the County of Tulare does not commit to retaining the services of the preferred consultant.

2. If the Applicant does not have a preferred consultant, a consultant may be recommended by the respective IRWM, or work may be conducted by the Project Team. Any recommended consultants would require pre-approval from the County of Tulare, and would be required to enter into a contract with the County of Tulare.

G. IRWMP Regional Goals:

*1) Insert an 'X' next to the **ONE** primary Kings Basin IRWMP goal that is most applicable to this project and provide a narrative explanation as to how the project meets that one goal.*

2) Insert an 'X' next to secondary Kings Basin IRWMP goals that apply to this project (checking more than one secondary goal is OK) and provide a brief narrative explanation as to how the project meets each goal.

Put 'X' by one Primary Goal	Put 'X' by Secondary Goals that apply	No.	Goal
		RG1	Halt, and ultimately reverse, the current overdraft and provide for sustainable management of surface and groundwater
✓		RG2	Increase the water supply reliability, enhance operational flexibility, and reduce system constraints
	✓	RG3	Improve and protect water quality
		RG4	Provide additional flood protection
		RG5	Protect and enhance aquatic ecosystems and wildlife habitat.

For Regional Goal(s) checked above, explain here how the project meets each one (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

The primary goal of the project (RG2) is to provide a reliable water supply well for the community of Malaga in order to satisfy the requirements of potable water during peak periods. The water supply evaluation identified deficiencies in the water supply portion of the water system. The new tank will provide supplemental short term supply for the community for peak demand periods. The tank also provides for the water supply to be delivered to the distribution system in the event that one of the water supply wells is temporarily out of service. Water could be delivered to the tank during off peak periods and delivered to the community with smaller booster pumps.

The secondary goal of the project (RG3) is to provide potable water that meets DDW standards relative to water quality. The tank can also offer opportunities to blend the characteristics of the water supply wells and mitigate temporary exceedances from a single water supply well.

H. IRWMP Measurable Objectives:

*1) Insert an 'X' next to the **ONE** primary Kings Basin IRWMP objective that is most applicable to this project and provide a narrative explanation as to how the project meets that one objective.*

2) Insert an 'X' next to secondary Kings Basin IRWMP Measurable objectives that apply to this project (checking more than one secondary objective is OK) and provide a brief narrative explanation as to how the project meets each objective.

3) For each primary and secondary objective selected, you must provide sufficient detail as to how the performance of the objective will be measured.

Put 'X' by one Primary Objective	Put 'X' by Secondary Objectives that apply	No.	Goal
		MO1	Increase amount of groundwater in storage with intent to eliminate the groundwater overdraft in 20 years
		MO2	Identify opportunities and Projects
	✓	MO3	Identify DAC priority needs and promote/support solutions to DAC water issues
		MO4	Increase average annual supply and reduce demand
		MO5	Increase dry year supply
		MO6	Increase regional conveyance capacity
		MO7	Compile baseline water quality data for ground & surface water
		MO8	Encourage Best Management Practices, policies & education that protect water quality
		MO9	Identify sources of water quality problems & promote/support solutions to improve water quality
		MO10	Increase surface storage
		MO11	Sustain the Kings River Fisheries Management Program
		MO12	Pursue opportunities to incorporate habitat benefits into projects

		MO13	Increase public awareness of IRWM Efforts
		MO14	Involve local water districts and land use agencies in generating and confirming the current and future water needs to ensure compatibility and consistency with land use and water supply plans.
		MO15	Comply with SBx7-7
✓		MO16	Pursue opportunities to include project elements that reduce energy consumption, reduce GHG emissions, use renewable resources or include carbon sequestration strategies.

For Measurable Objective(s) checked above, explain here how the project meets each one and how each can be measured (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

The primary measurable objective (MO16) would be satisfied with the tank to allow the water supply wells to operate primarily at night during off peak periods. The tank and booster pumps could operate during the day with smaller energy demands and therefore save energy use and cost.

The secondary DAC need (MO3) is to achieve sufficient reliable potable water supply for the community. Upon completion of the tank, the operation of the water supply system would be more consistent throughout the day while the booster pumps are delivering water to the system on demand. The wells would be utilized during off peak periods to fill the water storage tank. Overall power costs to the District would decrease.

Disadvantaged Community Involvement Program

Tulare-Kern Funding Area

Project Application Form

1.	IRWM Region:	Kings Basin
2.	Funding Area:	Tulare-Kern Funding Area
3.	Applicant Name:	Malaga County Water District
4.	Project Title:	Replace Well 3
5.	Requested Grant Amount:	$84,900

6. Point of Contact: (POC) Information (name, title, organization, phone, email):

James Anderson, General Manager, Malaga County Water District, 559-485-7353, ja@malagacwd.org

7. Type of Funding Requested (Select One):

____IRWM Application Costs (for projects that are ready for Round One (2019) IRWM Implementation funding)

X Project Development Activities (feasibility study, preliminary design, CEQA, etc.) to prepare for Round Two (future) IRWM Implementation funding

8. Is the Applicant identified as a Disadvantaged Community (DAC) in the Preliminary Needs Assessment?

X Yes ___ No *If not, provide justification for DAC status.*

9. Does the project address one or more of the following issues for a DAC?

Project Title	Benefits 100% to DAC?	Human Right to Water?	Innovative Technology?	Contribute to regional water self-reliance?	Address AB 1249 Contaminants(s)?
Well 3 Replacement	Yes	Yes		Yes	

A. PROJECT INFORMATION

1. Project Summary: Provide a brief description of the project, the need(s) it addresses, and the intended outcomes/benefits. The project may include a feasibility study, community outreach, preliminary design, environmental review, or other activities. The project may also include IRWM application costs.

The proposed project is for the preliminary design and preparation of CEQA documents necessary for the replacement of Well No. 3. A test hole has been constructed to determine the viability of a replacement well. Subsequent to completion of the preliminary design and environmental documents the project would include preparation and submittal of an application for IRWM Round 2 implementation funding for final design and construction.

2. Provide project map. Include location of project, project benefit and/or service area, and other applicable information.

3. Project Type: X Water Supply or Quality ____ Sewer or Wastewater

Other: [ ]

Select most applicable project type. If "Other" is selected, please write in the space provided the proposed project type.

4. If the project will affect groundwater, does the project have support of the local Groundwater Sustainability Agency? ____ Yes ____ No

Provide a letter of support from the GSA, if available, or other form of correspondence with the GSA regarding the proposed project.

B. SELECTED ELIGIBILITY REQUIREMENTS

1. Does the project directly respond to water management need(s) of DACs in the Funding Area, as identified in the Preliminary Needs Assessment? X Yes ___ No

   a. What DAC need(s) does the project address? Identify and explain.

The Malaga County Water District (MCWD) is a DAC. A capacity evaluation for MCWD was performed in 2015 and updated in 2019. The recommendation of the capacity evaluation was that additional water supply and redundancy of water supply was needed for the MCWD. The existing Well No. 3 has DBCP that exceeds the MCL and has been a standby well. Existing Well No. 3 also has high Ec. The MCWD received a CDBG grant that allowed a test hole to be constructed in the vicinity of Well No. 3 to determine the viability of constructing a new water supply well. The hydrogeological evaluation indicated that a new water supply well was viable.

2. Does the project benefit a small (<10,000 population) DAC? X Yes ___ No

Community	Population	MHI (include source)
Malaga County Water District	947	$42,250 (US Census 2012-16

3. Does the project provide a benefit that meets at least one of the Statewide Priorities as defined in the 2016 IRWM Grant Program Guidelines?

☒ Yes ☐ No If Yes, Please identify below.

1. Increase Regional Self-Reliance and Integrated Water Management Across All Levels of Government: a. Ensure water security at the local level; b. Provide assistance to disadvantaged communities.
2. Provide Safe Water for All Communities: a. Provide all Californians the right to safe, clean, affordable and accessible water; b. Provide funding assistance for vulnerable communities.
3. Manage and prepare for dry periods.

C. WORK PLAN, BUDGET, and SCHEDULE

CI. Work Plan: Provide a brief Project Description, including summary of tasks for the project development activity that is being proposed. The scope must include coordination with the IRWM to get the project on the IRWM project list for future implementation funding. (Attach additional pages if needed)

Prepare preliminary design and prepare CEQA documents for the construction of a new well and appurtenances to replace existing Well No. 3. The existing well would be destroyed in accordance with regulations. Present the project to the Board of Directors for approval. Submit the project to the IRWM for listing as a future project for implementation funding. Prepare and submit an IRWM Round 2 grant application for implementation funding for preparation of final design documents and construction/implementation.

2. Budget: Provide cost estimate by task identified in the Work Plan description. Cost share is not required.

Table 1 - Project Development Budget

	Task	(a) Requested Grant Amount	(b) Cost Share: Non-State Fund Source	(c) Other Fund Source	(d) Total Cost
(1)	Preliminary Design	$32,700	$0	$0	$32,700
(2)	Environmental Documents	$41,500	$0	$0	$41,500
(3)	Property Appraisal	$4,000	$0	$0	$4,000
(4)	IRWM Round 2 Implem. Grant App.	$6,700	$0	$0	$6,700
(5)					
	Grand Total	$84,900	$0	$0	$84,900

Identify the source of Other Funds, if applicable.

3. Schedule: Include reasonable estimates of the start and end dates for each task listed in Table 1 - Project Development Budget.

Table 2 – Project Development Schedule

	Task	Start Date	End Date
(1)	Preliminary Design	August 1, 2019	January 3, 2020
(2)	Environmental Documents	November 1, 2019	April 30, 2020
(3)	Property Appraisal	August 1, 2019	October 1, 2019
(4)	IRWM Round 2 Implementation Grant Appl.	TBD	TBD
(5)			

D. OTHER PROJECT INFORMATION

1. Does the proposed project benefit multiple DACs? ____Yes X No

   If Yes, provide a description of the impacts to the various DACs.

2. Does the project address a contaminant listed in AB 1249? ____Yes X No

   If yes, provide a description of how the project helps address the contamination.

3. Does the project improve the provision of safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes, consistent with AB 685 (Human Right to Water)? X Yes ____No

   If yes, please describe.

The ultimate completed project will result in the significant improvement of the potable water, ensuring the delivery of safe, clean and affordable water for the community and its extra-territorial customers.

E. ENVIRONMENTAL

1. Please fill out the Table below, if applicable:

Table 3 – CEQA Timeline

CEQA STEP	COMPLETE? (Y/N)	ESTIMATED DATE TO COMPLETE
Initial Study	N	January 1, 2020
Lead Agency (MCWD)	N	N/A
Notice of Preparation	N	December 1, 2019
Draft EIR/MND/ND	N	February 1, 2020
Public Review	N	February - March, 2020
Final EIR/MND/ND	N	March, 2020
Adoption of Final EIR/MND/ND	N	April, 2020
Notice of Determination	N	April, 2020

a. If additional explanation or justification of the timeline is needed, please describe below (optional).

F. CONSULTANT SELECTION

1. Does the Applicant have a District Engineer or other Engineering Consultant with history working on the design or evaluation of its facilities, which is preferred to perform the scope of work identified herein?

   If yes, provide contact information (Name, Title, Organization, Phone, Email)

Michael Taylor, Principal Engineer, Provost & Pritchard Consulting Group, (559) 449-2700, mtaylor@ppeng.com

Note: The preferred consultant, if noted, will be contacted regarding this project. If the consultant and the County of Tulare are able to come to agreement, a contract between the County and consultant may be initiated. While applicant preferences will be taken into account, the County of Tulare does not commit to retaining the services of the preferred consultant.

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For Regional Goal(s) checked above, explain here how the project meets each one (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

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The secondary goal of the project (RG3) is to provide potable water that meets DDW standards relative to water quality. The existing well is designated as a standby well due to the water quality deficiency.

H. IRWMP Measurable Objectives:

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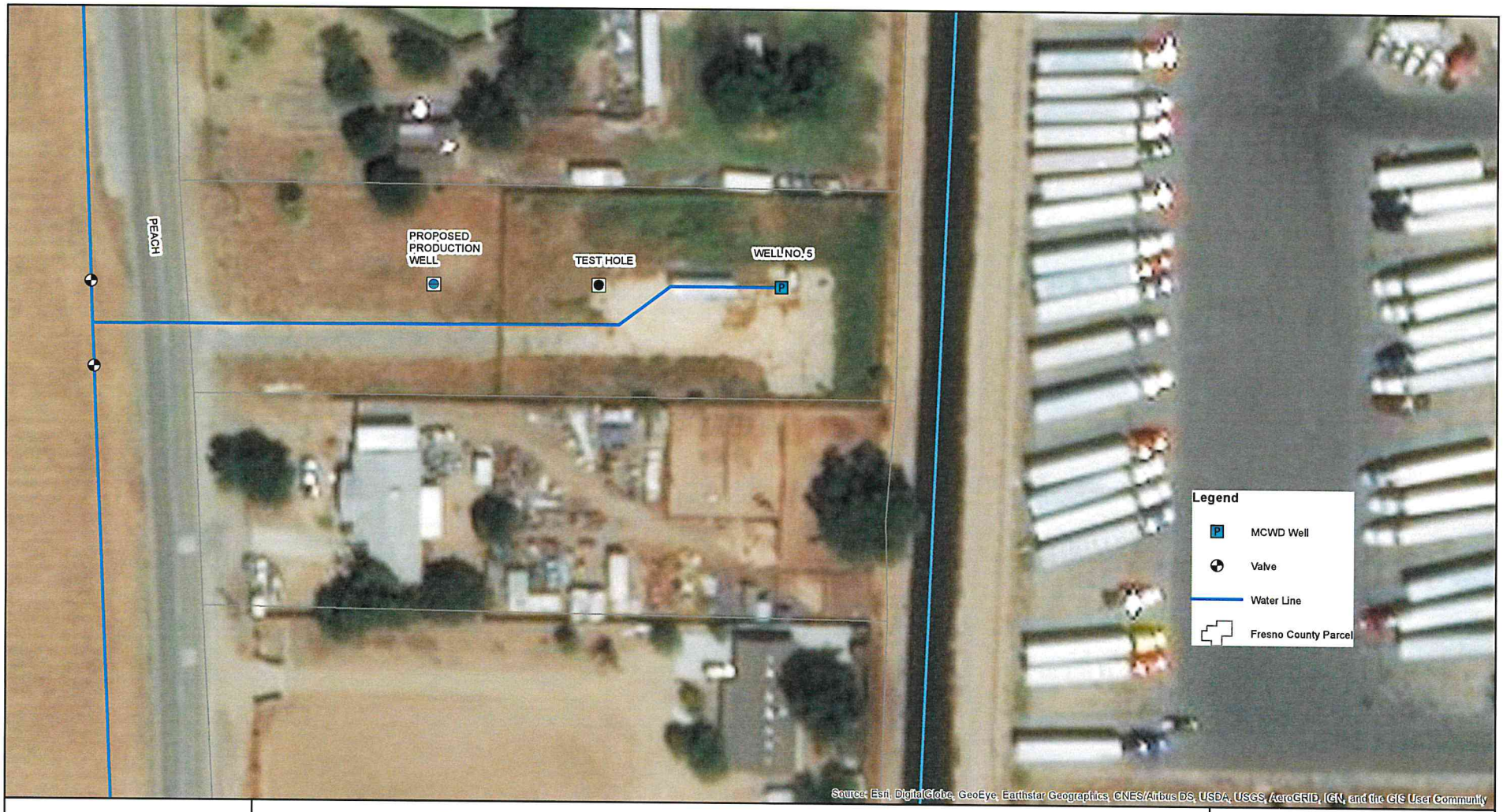
For Measurable Objective(s) checked above, explain here how the project meets each one and how each can be measured (minimum 75 words). Overstating the benefits of your project may cause more harm than good (i.e. less is more).

The primary DAC need (MO3) is to achieve sufficient reliable potable water supply for the community. Upon completion of the well and incorporation of the well into the community water system, the water capacity evaluation can be updated to confirm that sufficient water supply exists.

The secondary measurable objective (MO5) would be satisfied with the additional well to allow for additional water sources for dry years. Secondary objectives MO8 and MO9 address water quality improvement and sustainability. The design of the well would be to avoid the specific aquifers that have water quality that exceeds drinking water MCLs. Avoidance of the poor water quality is preferred over treatment alternatives due to on-going costs and sustainability limitations.

In addition, MO14 is addressed with the improvement of water supply capabilities to satisfy present and near term water supply requirements of the community of Malaga.



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PROVOST& PRITCHARD CONSULTING GROUP
286 W. Cromwell Ave.
Fresno, CA 93711-6162
(559) 449-2700

Proposed Production Well To Be At Least 50' From Test Hole Location

Malaga County Water District
Capital Improvement Plan
Water Department

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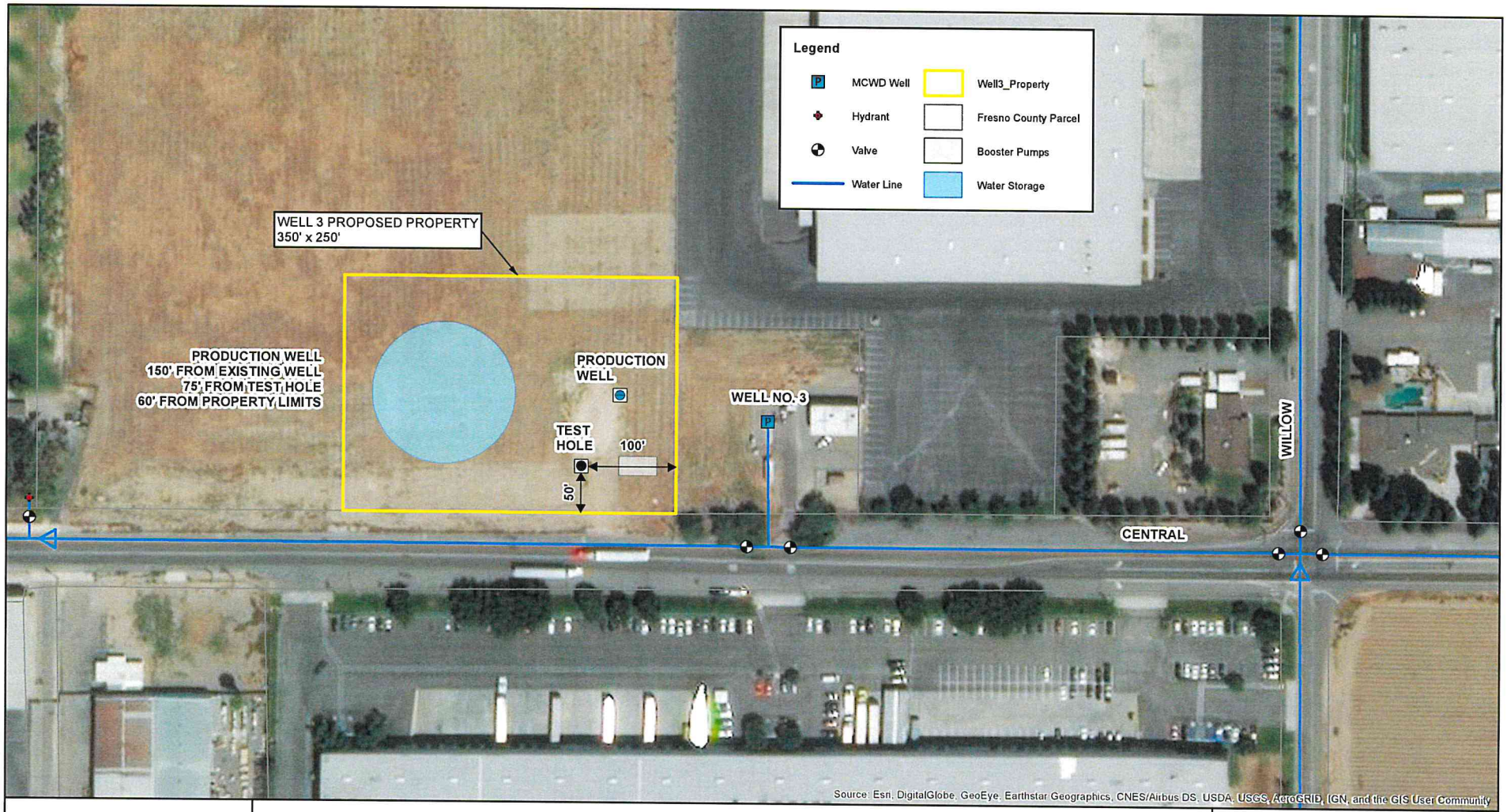

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