

**Solar and Battery Back-up
Public Safety Power Shutoff
Resiliency Project
Request for Proposals**



RFP Closes May 12, 2021 @ Noon

Overview

Diablo Water District (District) has been awarded a grant by CalOES to decrease the impacts of public safety power shutoffs (PSPS). This is a unique project as the District has been pre-awarded and is in receipt of the \$300,000 to implement this project. The District preliminarily identified two locations to install solar and battery back-up at its facilities, however, the design and implementation is flexible, as long as the grant goals are met. The District is soliciting proposals that will maximize the use of the \$300,000 grant, while maximizing our solar energy production, onsite energy storage requirement for PSPS events, and grant requirements.

Timing

Milestones	Dates
Issue RFP	April 14, 2021
Last Day for Clarification Questions	May 5, 2021
RFP Closes at Noon	May 12, 2021
Staff Review	May 12 – 19, 2021
Contract Award	May 26, 2021
Project Start	June/July 2021
Project Completion	September 30, 2021

Scope of Services Required

- See Attachment 1

RFP Contents

1. A summary of the contractor's understanding of the project as a whole and the unique capabilities to perform the services required. The summary shall establish that the contractor understands the objectives and work requirements and the contractor's ability to satisfy those objectives and requirements.
2. The contractor's implementation plan with a project schedule including a list of tasks and any additional field investigation or exploratory work to be performed and proposed deliverables.
3. The contractor's experience and history in performing this type of work on similar projects, including the contractor's ability to provide prioritized project recommendations.
4. A brief description of the contractor's firm (firm size, financial stability, capacity, and resources), as well as the proposed local organization structure, shall be included.
5. A statement of qualifications and experience for each licensed individual, or certified individual, proposed to perform responsible portions of the work. Firms must be able to provide sufficient staffing with qualified individuals throughout the contract.
6. Copies of applicable required licenses to perform work.
7. Draft plans showing quantity of solar and battery backup for all proposed locations. Must include make and model of all system components exceeding \$5,000.
8. Contractor fee schedule for each major component/task and total project cost.

Contact Information

Dan Muelrath, General Manager

dmuelrath@diablowater.org

Deadline for Submission

Proposals must be received (not postmarked) by **May 12, 2021 at Noon.**

Email: Submissions **will not** be accepted via email.

Parcel: Diablo Water District, Attn: Recycled Water RFP, 87 Carol Lane, Oakley, CA 94561

USPS: Diablo Water District, Attn: Recycled Water RFP, PO Box 127, Oakley, CA 94561

Attachment 1

Scope of Services Required

Diablo Water District
Solar and Battery Back-up
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Provide the following:

1. Memo summarizing the District's kWh (District to provide number), greenhouse gas emissions, estimated solar to offset all current kWh demands, and review of PG&E bills and infrastructure at up to seven District locations to determine applicability of net metering at these locations.
2. All product, materials, and labor required to implement proposed solar and battery back-up projects.
3. Perform all upgrades required to existing electrical panels, subpanels, wiring, etc. to accommodate the use of solar and battery back-up system.
4. Permit application, plans, and payment of applicable fees to City of Oakley and PG&E.
5. Coordinate net metering paperwork with PG&E.
6. Perform commissioning and start-up of new solar and battery back-up system.
7. Train District staff on new system, including monitoring system.
8. Provide proof of prevailing wage payments.
9. District required insurance and performance bond.

Attachment 2
Administrative Office (87 Carol Lane, Oakley, CA 94561)



Solar carport or rooftop installation.

Address Location	87 Carol Lane	kWh Chart		
Account Number				
<u>Billing Period</u>	<u>Part Peak</u>	<u>Off Peak</u>	<u>Peak</u>	-
12/21/2020 - 12/31/2020	480.40	532.96	-	1,013.36
11/19/2020 - 12/20/2020	1,249.76	1,528.32	-	2,778.08
10/21/2020 - 11/18/2020	1,047.28	1,476.04	287.60	2,810.92
9/21/2020 - 10/20/2020	849.76	1,500.72	1,087.12	3,437.60
8/20/2020 - 9/20/2020	829.68	1,849.04	1,026.68	3,705.40
7/21/2020 - 8/19/2020	941.28	1,653.16	1,342.00	3,936.44
6/22/2020 - 7/20/2020	824.64	1,511.04	1,162.40	3,498.08
5/21/2020 - 6/21/2020	840.84	1,751.36	1,181.20	3,773.40
4/22/2020 - 5/20/2020	1,003.44	1,426.88	562.12	2,992.44
3/23/2020 - 4/21/2020	1,330.88	1,502.00	-	2,832.88
2/21/2020 - 3/22/2020	1,443.20	1,598.56	-	3,041.76
1/22/2020 - 2/20/2020	1,400.88	1,551.16	-	2,952.04
1/1/2020 - 1/21/2020	955.64	1,071.44	-	2,027.08

Attachment 3
Corporation Yard (3990 Main Street, Oakley, CA 94561)



Ground mount or possible installation on top of old clarifiers (red outline).

Address Location	3990 Main Street		kWh Chart	
Account Number				
<u>Billing Period</u>	<u>Part Peak</u>	<u>Off Peak</u>	<u>Peak</u>	-
12/18/2020 - 12/31/2020	2,282.16	5,013.72	-	7,295.88
11/18/2020 - 12/17/2020	5,777.40	10,687.44	-	16,464.84
10/20/2020 - 11/17/2020	5,398.92	10,841.94	1,159.80	17,400.66
9/18/2020 - 10/19/2020	5,826.24	12,438.36	2,965.92	21,230.52
8/19/2020 - 9/17/2020	5,651.76	11,740.20	2,738.88	20,130.84
7/20/2020 - 8/18/2020	5,597.16	10,600.44	2,269.80	18,467.40
6/19/2020 - 7/19/2020	6,866.64	11,035.92	3,512.16	21,414.72
5/20/2020 - 6/18/2020	6,257.46	9,610.62	2,957.88	18,825.96
4/21/2020 - 5/19/2020	6,735.48	8,794.80	1,850.04	17,380.32
3/20/2020 - 4/20/2020	5,964.48	10,539.00	-	16,503.48
2/20/2020 - 3/19/2020	6,556.44	9,911.16	-	16,467.60
1/21/2020 - 2/19/2020	7,131.48	10,444.32	-	17,575.80
1/1/2020 - 1/20/2020	4,552.32	7,979.28	-	12,531.60

Attachment 4

Other Potential District Locations

Reservoir 2 & 3



Bethel Island Chem Feed

