



PARADISE IRRIGATION DISTRICT

6332 Clark Road, Paradise CA 95969 | Phone (530)877-4971 | Fax (530)876-0483

AGENDA

SPECIAL MEETING PARADISE IRRIGATION DISTRICT BOARD OF DIRECTORS 6332 CLARK ROAD, PARADISE, CA 95969

FRIDAY, OCTOBER 30, 2020 – 2:00 PM

- ❖ *In accordance with California Governor Gavin Newsom's Executive Order (EO) N-29-20, PID will limit "in-person" attendance for the October 30, 2020 Special Board Meeting. The following options are available for members of the public to fully participate in the meeting:*

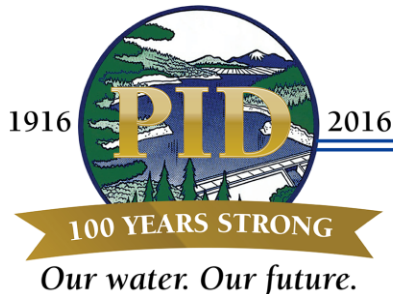
Via Livestream. Join us at <https://Facebook.com/pidwater>. To improve participation during the meeting, we will be selecting public comments from Facebook viewers to be read to PID's Board of Directors during the meeting. Online participants must post their comments for items not on the agenda on the Livestream thread by 2:10 p.m. At 2:10 p.m. the President of the Board will request public comments be read to the Board members. The Board cannot take action on any matter not on the agenda. Public comments specific to an agenda item will be read directly after the agenda item and before the Board votes on an item.

Via Email or Telephone: Public comment will be accepted by email with the subject line PUBLIC COMMENT ITEM NO. ____ to gborrayo@paradiseirrigation.com or telephone (530) 876-2039 by 12:00 p.m. on the day of the meeting.

Business to be Conducted:

1. **Opening:**
 - a. Call to Order
 - b. Roll Call
2. **Public Participation:**

Individuals will be given an opportunity to address the Board regarding matters not scheduled on the agenda, although the Board cannot take action on any matter not on the agenda. Comments will be limited to 5 minutes per speaker. Opportunity for public comment on agenda items will be provided at the time they are discussed by the Board with comments limited to 5 minutes per agenda item.
3. **Community Power Resiliency Grant to Special Districts Program:** Authorize approval of the Community Power Resiliency Grant Application and authorize the District Manager to proceed with completion of the necessary signatures and submission of the grant application on behalf of the District. *Action may be taken. [Grant application package materials will be available upon final review.](#)*
4. **November Board of Directors Meeting (Manager Lando):** Cancellation of the regularly scheduled Board of Directors meeting on November 18, 2020 and approval to set a special meeting date on Thursday, November 19, 2020 at 7:30 a.m. *Action may be taken.*
5. **Adjournment**



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"Paradise Irrigation District (PID) is dedicated to the business of producing and delivering a safe, dependable supply of quality water in an efficient, cost effective manner with service that meets or exceeds the expectation of our customers."

Please consider how this agenda item relates to our mission.

TO: Board of Directors

FROM: Colleen Boak, Water Works Engineers

DATE: October 29, 2020

RE: **Community Power Resiliency Allocation to Special Districts Program
– CalOES Grant Funding Application - Recommendation**

The California Governor's Office of Emergency Services (CalOES) has recently made funds available to support preparedness measures for power outage events in California special districts. Special districts with critical infrastructure or facilities as defined by the de-energization guidelines of the California Public Utilities Commission are eligible applicants, prioritizing disadvantaged communities.

Preparedness measures can include the installation of permanent long-term electrical generation equipment, as well as funding to internally develop or update emergency continuity plans, risk assessments for critical infrastructure, post event reports, and/or public education materials.

Staff have identified PID's five (5) reservoir facilities and one pump station as meeting the program requirements for critical infrastructure affected by power outage events:

1. Reservoir A – 0.98 Million Gallons
2. Reservoir B – 3.16 Million Gallons
3. Reservoir C – 1.94 Million Gallons
4. Reservoir D – 1.94 Million Gallons
5. Reservoir E – 1.45 Million Gallons
6. Pump Station 2 – 2,100 gallons per minute

The attached application for grant funding identifies the criticality and need for resilient power at the above facilities, proposing funding for solar panels and batteries, with ancillary equipment, to be installed at each site to ensure their continued operation during power outage events. The application also requests funding to accomplish emergency planning document development and updates to better prepare the District for power outage events into the future.

The following table summarizes the requests in the application package:

Community Power Resiliency Allocation Proposal Application	
CATEGORY	VALUE
Resilient Power Generation Equipment	\$239,200
Emergency Planning Documents/Public Education	\$30,000
Total Application Value:	\$269,200

This proposal is due for submission by 5:00pm on Friday, October 30, 2020. It is the recommendation of staff that the Board authorize approval of the Community Power Resiliency Grant Application and authorize the Interim District Manager to proceed with completion of the necessary signatures and submission of the grant application on behalf of the District in order to take advantage of this incentive opportunity to increase the resiliency of critical PID facilities.

The following is requested:

"Authorize approval of the Community Power Resiliency Grant Application and authorize the Interim District Manager to proceed with completion of the necessary signatures and submission of the grant application on behalf of the District."

Cal OES #		FIPS #		VS#		Subaward #	
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CALIFORNIA GOVERNOR'S OFFICE OF EMERGENCY SERVICES
GRANT SUBAWARD FACE SHEET

The California Governor's Office of Emergency Services (Cal OES) hereby makes a Grant Subaward of funds to the following:

1. Subrecipient:

Paradise Irrigation District

1a. DUNS#:

049302371

2. Implementing Agency:

Paradise Irrigation District

2a. DUNS#:

049302371

3. Implementing Agency Address:

6332 Clark Rd
(Street)

Paradise
(City)

95969-4146
(Zip+4)

4. Location of Project:

Paradie
(City)

Butte
(County)

95969-4146
(Zip+4)

5. Disaster/Program Title:

Community Power Resiliency Allocation To Special Districts

6. Performance Period:

7/1/2020
(Start Date)

to

10/31/2021
(End Date)

7. Indirect Cost Rate:

N/A

Federally Approved ICR (if applicable):

%

Item Number	Grant Year	Fund Source	A. State	B. Federal	C. Total	D. Cash Match	E. In-Kind Match	F. Total Match	G. Total Cost
8.	2021	PSPS	\$269,200						\$269,200
9.	Select	Select							
10.	Select	Select							
11.	Select	Select							
12.	Select	Select							
Total	Project	Cost	\$269,200		\$269,200				\$269,200

13. Certification - This Grant Subaward consists of this title page, the application for the grant, which is attached and made a part hereof, and the Assurances/Certifications. I hereby certify I am vested with the authority to enter into this Grant Subaward, and have the approval of the City/County Financial Officer, City Manager, County Administrator, Governing Board Chair, or other Approving Body. The Subrecipient certifies that all funds received pursuant to this agreement will be spent exclusively on the purposes specified in the Grant Subaward. The Subrecipient accepts this Grant Subaward and agrees to administer the grant project in accordance with the Grant Subaward as well as all applicable state and federal laws, audit requirements, federal program guidelines, and Cal OES policy and program guidance. The Subrecipient further agrees that the allocation of funds may be contingent on the enactment of the State Budget

14. CA Public Records Act - Grant applications are subject to the California Public Records Act, Government Code section 6250 et seq. Do not put any personally identifiable information or private information on this application. If you believe that any of the information you are putting on this application is exempt from the Public Records Act, please attach a statement that indicates what portions of the application and the basis for the exemption. Your statement that the information is not subject to the Public Records Act will not guarantee that the information will not be disclosed.

15. Official Authorized to Sign for Subrecipient:

Name:

Tom Lando

Title:

Interim District Manager

Payment Mailing Address:

6332 Clark Rd

City:

Paradise

Zip Code+4:

95969-4146

Signature:

Date:

10/30/20

16.Federal Employer ID Number:

946003438

(FOR Cal OES USE ONLY)

I hereby certify upon my personal knowledge that budgeted funds are available for the period and purposes of this expenditure stated above.

(Cal OES Fiscal Officer)

(Date)

(Cal OES Director or Designee)

(Date)

PROJECT CONTACT INSTRUCTIONS

1. Provide the name, title, address, telephone number, and e-mail address for the **Project Director** for the project.
2. Provide the name, title, address, telephone number, and e-mail address for the **Financial Officer** for the project.
3. Provide the name, title, address, telephone number, and e-mail address for the **person** having **Routine Programmatic** responsibility for the project.
4. Provide the name, title, address, telephone number, and e-mail address for the **person** having **Routine Fiscal** responsibility for the project.
5. Provide the name, title, address, telephone number, and e-mail address for the **Executive Director** of a Community-Based Organization or the **Chief Executive Officer** (e.g. chief of police, superintendent of schools) for the implementing agency.
6. Provide the name, title, address, telephone number, and e-mail address for the **person** who is the **Official Authorized** to enter into the Grant Subaward for the City/County or Community-Based Organization, as stated in Section 15 of the Grant Subaward Face Sheet (Cal OES 2-101).
7. Provide the name, title, address, telephone number, and e-mail address for the **Chair** of the **Governing Body** of the Subrecipient.

PROJECT CONTACT INFORMATION

Subrecipient: _____ Subaward #: _____

Provide the name, title, address, telephone number, and e-mail address for the project contacts named below.

1. The **Project Director** for the project:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

2. The **Financial Officer** for the project:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

3. The **person** having **Routine Programmatic** responsibility for the project:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

4. The **person** having **Routine Fiscal** responsibility for the project:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

5. The **Executive Director** of a Community Based Organization or the **Chief Executive Officer** (i.e., chief of police, superintendent of schools) of the implementing agency:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

6. The **Official Designated** by the Governing Board to enter into the Grant Subaward for the City/County or Community-Based Organization, as stated in Section 15 of the Grant Subaward Face Sheet:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

7. The **Chair** of the **Governing Body** of the Subrecipient:

Name: _____ Title: _____
Telephone #: _____ Email Address: _____
Address/City/Zip + 4: _____

SIGNATURE AUTHORIZATION INSTRUCTIONS

The Project Director and Financial Officer are **REQUIRED** to sign this form and submit it with the Grant Subaward Forms package. The Subrecipient may request signature authority in addition to the designated Project Director and/or Financial Officer. Space is provided for the addition of up to five (5) additional authorizations for the Project Director or Financial Officer.

No single individual may be authorized to sign for both the Project Director and the Financial Officer. **The Project Director and/or Financial Officer authorize the person(s) identified on the form to sign on their behalf on all grant-related matters.**

SIGNATURE AUTHORIZATION

Subaward #: _____

Subrecipient: _____

Implementing Agency: _____

*The **Project Director** and **Financial Officer** are **REQUIRED** to sign this form.

***Project Director:** _____

***Financial Officer:** _____

Signature: _____

Signature: _____

Date: _____

Date: _____

The following persons are authorized to sign
for the **Project Director**

The following persons are authorized to sign
for the **Financial Officer**

Signature

Signature

Printed Name

Printed Name

Signature

Signature

Printed Name

Printed Name

Signature

Signature

Printed Name

Printed Name

Signature

Signature

Printed Name

Printed Name

Signature

Signature

Printed Name

Printed Name

CERTIFICATION OF ASSURANCE OF COMPLIANCE

The applicant must complete a Certification of Assurance of Compliance (Cal OES 2-104), which includes details regarding Federal Grant Funds, Equal Employment Opportunity Program, Drug Free Workplace Compliance, California Environmental Quality Act, Lobbying, Debarment and Suspension requirements, Proof of Authority from City Council/Governing Board, and Civil Rights Compliance. The applicant is required to submit the necessary assurances and documentation before finalization of the Grant Subaward. In signing the Grant Subaward Face Sheet, the applicant formally notifies Cal OES that the applicant will comply with all pertinent requirements.

Resolutions are no longer required as submission documents. Cal OES has incorporated the resolution into the Certification of Assurance of Compliance, Section VII, entitled, "Proof of Authority from City Council/Governing Board." The Applicant is required to obtain written authorization (original signature) from the City Council/Governing board that the official executing the agreement is, in fact, authorized to do so, and will maintain said written authorization on file and readily available upon demand. This requirement does not apply to state agencies.

CERTIFICATION OF ASSURANCE OF COMPLIANCE

I, _____ hereby certify that
(official authorized to sign Subaward; same person as Section 15 on Subaward Face Sheet)

Subrecipient: _____

Implementing Agency: _____

Project Title: _____

is responsible for reviewing the *Subrecipient Handbook* and adhering to all of the Subaward requirements (state and/or federal) as directed by Cal OES including, but not limited to, the following areas:

I. Federal Grant Funds

Subrecipients expending \$750,000 or more in federal grant funds annually are required to secure an audit pursuant to OMB Uniform Guidance 2 CFR Part 200, Subpart F and are allowed to utilize federal grant funds to budget for the audit costs. See Section 8000 of the Subrecipient Handbook for more detail.

- ☐ The above named Subrecipient receives \$750,000 or more in federal grant funds annually.
- ☐ The above named Subrecipient does not receive \$750,000 or more in federal grant funds annually.

II. Equal Employment Opportunity – (Subrecipient Handbook Section 2151)

It is the public policy of the State of California to promote equal employment opportunity (EEO) by prohibiting discrimination or harassment in employment because of race, color, religion, religious creed (including religious dress and grooming practices), national origin, ancestry, citizenship, physical or mental disability, medical condition (including cancer and genetic characteristics), genetic information, marital status, sex (including pregnancy, childbirth, breastfeeding, or related medical conditions), gender, gender identity, gender expression, age, sexual orientation, veteran and/or military status, protected medical leaves (requesting or approved for leave under the Family and Medical Leave Act or the California Family Rights Act), domestic violence victim status, political affiliation, and any other status protected by state or federal law. **Cal OES-funded projects certify that they will comply with all state and federal requirements regarding equal employment opportunity, nondiscrimination and civil rights.**

Please provide the following information:

Equal Employment Opportunity Officer: _____

Title: _____

Address: _____

Phone: _____

Email: _____

III. Drug-Free Workplace Act of 1990 – (Subrecipient Handbook, Section 2152)

The State of California requires that every person or organization subawarded a grant or contract shall certify it will provide a drug-free workplace.

IV. California Environmental Quality Act (CEQA) – (Subrecipient Handbook, Section 2153)

The California Environmental Quality Act (CEQA) (*Public Resources Code, Section 21000 et seq.*) requires all Cal OES funded projects to certify compliance with CEQA. Projects receiving funding must coordinate with their city or county planning agency to ensure that the project is compliance with CEQA requirements.

V. Lobbying – (Subrecipient Handbook Section 2154)

Cal OES grant funds, grant property, or grant funded positions shall not be used for any lobbying activities, including, but not limited to, being paid by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the making of any federal grant, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal grant or cooperative agreement.

VI. Debarment and Suspension – (Subrecipient Handbook Section 2155)

(This applies to federally funded grants only.)

Cal OES-funded projects must certify that it and its principals are not presently debarred, suspended, proposed for debarment, declared ineligible, sentenced to a denial of federal benefits by a state or federal court, or voluntarily excluded from covered transactions by any federal department of agency.

VII. Proof of Authority from City Council/Governing Board – (Subrecipient Handbook Section 1350)

The above-named organization (Applicant) accepts responsibility for and will comply with the requirement to obtain a signed resolution from the city council/governing board in support of this program. The applicant agrees to provide all matching funds required for said project (including any amendment thereof) under the Program and the funding terms and conditions of Cal OES, and that any cash match will be appropriated as required. It is agreed that any liability arising out of the performance of this Subaward, including civil court actions for damages, shall be the responsibility of the grant Subrecipient and the authorizing agency. The State of California and Cal OES disclaim responsibility of any such liability. Furthermore, it is also agreed that grant funds received from Cal OES shall not be used to supplant expenditures controlled by the city council/governing board.

The applicant is required to obtain written authorization from the city council/governing board that the official executing this agreement is, in fact, authorized to do so. The applicant is also required to maintain said written authorization on file and readily available upon demand.

VIII. Civil Rights Compliance

The Subrecipient complies with all laws that prohibit excluding, denying or discriminating against any person based on actual or perceived race, color, national origin, disability, religion, age, sex, gender identity, and sexual orientation in both the delivery of services and employment practices and does not use federal financial assistance to engage in explicitly religious activities.

All appropriate documentation must be maintained on file by the project and available for Cal OES or public scrutiny upon request. Failure to comply with these requirements may result in suspension of payments under the grant or termination of the grant or both and the Subrecipient may be ineligible for subaward of any future grants if the Cal OES determines that any of the following has occurred: (1) the Subrecipient has made false certification, or (2) violates the certification by failing to carry out the requirements as noted above.

CERTIFICATION

I, the official named below, am the same individual authorized to sign the Grant Subaward [Section 15 on Grant Subaward Face Sheet], and hereby swear that I am duly authorized legally to bind the contractor or grant Subrecipient to the above described certification. I am fully aware that this certification, executed on the date and in the county below, is made under penalty of perjury under the laws of the State of California.

Authorized Official's Signature: _____

Authorized Official's Typed Name: _____

Authorized Official's Title: _____

Date Executed: _____

Federal Employer ID #: _____ Federal DUNS # _____

Current System for Award Management (SAM) Expiration Date: _____

Executed in the City/County of: _____

AUTHORIZED BY: (not applicable to State agencies)

☐ City Financial Officer

☐ County Financial Officer

☐ City Manager

☐ County Manager

☐ Governing Board Chair

Signature: _____

Typed Name: _____

Title: _____

Budget Narrative

Each of the 6 sites, the 5 reservoirs and pump station, would have utility pole mounted solar panels and batteries. Based on previous electricity usage 4 solar panels and 2 batteries per site would be needed to meet the energy requirements of the SCADA system, essential valves, and security system. The total cost of the 24 solar panels is estimated at \$84,000, the cost of 12 batteries is estimated at \$69,600. Ancillary equipment including instrumentation enclosures, utility poles, and chain link fences for all sites is estimated at \$14,100. The cost for mobilization and demobilization for all sites is estimated to be \$7,500 and total installation costs are to be \$18,000. Costs of programming and electrical work to make the solar panels compatible with the existing electrical services for all sites totals \$15,000 and work is to be completed under supervision of an electrical engineer. A 15% contingency, \$31,000, would cover unforeseen design and construction challenges. The upgrade to solar panels and batteries would provide a defensible and renewable energy solution to power outage events. An essential component in preparing for de-energization is updating the Emergency Response Plan (ERP). PID's experience following the fire, which left the town without power for an extended period of time, has demonstrated the need to prepare its management staff, utility workers, and customers for how to respond when power is lost. \$30,000 would be allocated to the update of the ERP, training staff on emergency operations, and best practices for customers on managing their water consumption and usage during outage events.

Project Narrative

A. Program Plan

Paradise Irrigation District (PID) operates a water treatment plant (WTP) and the accompanying distribution system for Paradise, CA. Prior to the 2018 Camp Fire, PID served a population of over 26,000 in Paradise and supplied water to the neighboring Del Oro Water Company. In April of 2019 the population had dramatically declined to just over 2,000. However, residents who lost their homes in the Camp Fire continue to come back to Paradise and rebuild. Over 1,100 building permits have been issued and 400 temporary housing permits have been approved for residents living on properties where their homes were destroyed. The distribution system is split into 7 zones (Zones A-G) and is inclusive of a 2,100 gpm pump station and 5 potable water storage reservoirs (Reservoirs A-E). The 5 reservoirs, consisting of one earthen embankment and 4 steel tanks, have a combined storage volume of 10 million gallons. Water is transferred from the WTP directly to Zone B and Reservoir B, Reservoir B feeds Reservoirs C-E, and the pump station pumps water to Reservoir A through Zone B. The reservoirs, pump station, and WTP are interconnected by a supervisory control and data acquisition (SCADA) system, which provides information and control capability in order to operate the system. During widespread power outages, the water production rates at the WTP are likely to be impacted and the reservoirs, which are responsible for maintaining system pressure, become critical to the continued deliverance of water to customers and for firefighting capacity.

Subrecipient: Paradise Irrigation District Subaward #: _____

However, during a power outage the SCADA system, tank level transducers, solenoid valves, and site security systems fail, rendering the entire system vulnerable to a depressurization event. The recent depressurization event during the fire, resulted in long-term system damage and hazardous water quality. To date, PID continues to recover their system to restore water service to all customers. Power Resiliency at the reservoirs and pump station, in the form of solar panels and batteries, would help protect PID from another depressurization event and mitigate impacts from power outages. During 2019 there were 5 public safety power shutoff (PSPS) events totaling 208.4 hours, the longest event spanned 5 days. To date in 2020 there have been 5 PSPS events all spanning 3 days and totaling 150.2 hours. Currently, PID's only solution to the power outages at the 6 sites are portable generators. PID proposes to use \$239,200 of the grant award to purchase and install utility pole mounted solar panels and batteries and all ancillary equipment. \$30,000 would be allocated to update the Emergency Response Plan (ERP), which would incorporate lessons learned from the 2018 Camp Fire and public outreach/education. For the 2020/21 fiscal year (07/01/20 - 06/30/21) PID has a budgeted total revenue of \$19,925,794 and total budgeted cash reserves of \$8,968,205. The cash reserves include an Emergency Fund, Drought Management Fund, Equipment Replacement Fund, and a Long-Term Capital Fund; combined these funds total \$3,890,906, or 43% of the total budgeted cash reserves, and are available for use in the event of a disaster.

B. Emergency Plan

PID's Emergency Response Plan was last updated in January 2018. Under Action Plan 5 – Power Outages addresses major, non-PSPS power outages and the emergency actions District personnel must execute for the protection and management of storage reservoirs, pumping and distribution infrastructure, and the SCADA system. For the noted infrastructure types, the first course of action is to initiate back-up power, if available on site. For sites without backup power, portable generators are to be deployed to critical sites and the SCADA system assessed. Action Activities include: Assess the problem, Notify PG&E, customers, and officials as appropriate, Isolate and Fix the Problem, Monitor equipment for damages and monitor status of backup power, and Recovery/Return to Safety. Each activity has listed specific tasks to protect water quality, equipment, and maintain or restore water service. Under this grant funding, the District will update the ERP to include lessons learned from the Camp Fire to improve emergency response actions during wildfire and to also include action response protocols for PSPS events. Following the Camp Fire, the distribution system changed substantially, and the ERP update will need to consider the modified infrastructure. Additionally, because the managing roles have been significantly altered the updated ERP will seek to establish personnel responsible for activities during PSPS events. The ERP update will also include the new USEPA Public Safety Power Shutoff Standard Operating Procedure Template released September 2020.

C. Priority Funding

The Paradise Irrigation District serves a community that qualifies as a disadvantaged community. According to data from the U.S Census, the estimated median household income (MHI) was \$48,831, less than 80 percent of the California MHI, and nearly 14 percent of people living in poverty. Additionally, more than 25 percent of the population was over the age of 65. A significant, and recently devastating, environmental risk to the community is due to wildfire. The Cal FIRE FRAP Paradise, Ca Map shows nearly the entire service area as a "Very High Fire Hazard Severity Zone". Unfortunately the Town of Paradise has experienced multiple major fires that were declared disasters, with the most recent 2018 Camp Fire as the most devastating, resulting in the loss of 9 out of 10 houses and many more businesses totaling the loss of 18,804 structures and serious damage to many areas of the District's distribution system, and the death of 85 people. The 2018 Camp Fire is listed as California's #1 Most Destructive California Wildfire. Having suffered through this devastating wildfire, the District revenues and funds have been seriously impacted, creating a greater need for grant funds.