

Application for Federal Assistance SF-424

* 1. Type of Submission: <input type="checkbox"/> Preapplication <input checked="" type="checkbox"/> Application <input type="checkbox"/> Changed/Corrected Application	* 2. Type of Application: <input checked="" type="checkbox"/> New <input type="checkbox"/> Continuation <input type="checkbox"/> Revision	* If Revision, select appropriate letter(s): <input type="text"/> * Other (Specify): <input type="text"/>
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* 3. Date Received: <input type="text" value="06/23/2015"/>	4. Applicant Identifier: <input type="text"/>
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5a. Federal Entity Identifier: <input type="text"/>	5b. Federal Award Identifier: <input type="text"/>
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State Use Only:

6. Date Received by State: <input type="text"/>	7. State Application Identifier: <input type="text"/>
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8. APPLICANT INFORMATION:

* a. Legal Name: <input type="text" value="South Board of Control"/>	
* b. Employer/Taxpayer Identification Number (EIN/TIN): <input type="text" value="82-6000451"/>	* c. Organizational DUNS: <input type="text" value="0603565730000"/>

d. Address:

* Street1: <input type="text" value="118 S. 1st St."/>
Street2: <input type="text"/>
* City: <input type="text" value="Homedale"/>
County/Parish: <input type="text"/>
* State: <input type="text" value="ID: Idaho"/>
Province: <input type="text"/>
* Country: <input type="text" value="USA: UNITED STATES"/>
* Zip / Postal Code: <input type="text" value="83628-6034"/>

e. Organizational Unit:

Department Name: <input type="text" value="South Board of Control"/>	Division Name: <input type="text"/>
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f. Name and contact information of person to be contacted on matters involving this application:

Prefix: <input type="text" value="Mr."/>	* First Name: <input type="text" value="Clancy"/>
Middle Name: <input type="text"/>	
* Last Name: <input type="text" value="Flynn"/>	
Suffix: <input type="text"/>	
Title: <input type="text" value="Manager"/>	

Organizational Affiliation: <input type="text"/>
--

* Telephone Number: <input type="text" value="208-337-3760"/>	Fax Number: <input type="text" value="208-337-5107"/>
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* Email: <input type="text" value="office@southboardofcontrol.com"/>
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Application for Federal Assistance SF-424

*** 9. Type of Applicant 1: Select Applicant Type:**

D: Special District Government

Type of Applicant 2: Select Applicant Type:

Type of Applicant 3: Select Applicant Type:

* Other (specify):

*** 10. Name of Federal Agency:**

Bureau of Reclamation

11. Catalog of Federal Domestic Assistance Number:

15.514

CFDA Title:

Reclamation States Emergency Drought Relief

*** 12. Funding Opportunity Number:**

R15AS00046

* Title:

WaterSMART: Drought Resiliency Project Grants for Fiscal Year 2015

13. Competition Identification Number:

Title:

14. Areas Affected by Project (Cities, Counties, States, etc.):

Add Attachment

Delete Attachment

View Attachment

*** 15. Descriptive Title of Applicant's Project:**

Improvement of Gem Irrigation District #2 pumping plant capacity.

Attach supporting documents as specified in agency instructions.

Add Attachments

Delete Attachments

View Attachments

Application for Federal Assistance SF-424

16. Congressional Districts Of:

* a. Applicant

* b. Program/Project

Attach an additional list of Program/Project Congressional Districts if needed.

Add Attachment

Delete Attachment

View Attachment

17. Proposed Project:

* a. Start Date:

* b. End Date:

18. Estimated Funding (\$):

* a. Federal	<input type="text" value="300,000.00"/>
* b. Applicant	<input type="text" value="302,690.00"/>
* c. State	<input type="text" value="0.00"/>
* d. Local	<input type="text" value="0.00"/>
* e. Other	<input type="text" value="0.00"/>
* f. Program Income	<input type="text" value="0.00"/>
* g. TOTAL	<input type="text" value="602,690.00"/>

*** 19. Is Application Subject to Review By State Under Executive Order 12372 Process?**

a. This application was made available to the State under the Executive Order 12372 Process for review on

b. Program is subject to E.O. 12372 but has not been selected by the State for review.

c. Program is not covered by E.O. 12372.

*** 20. Is the Applicant Delinquent On Any Federal Debt? (If "Yes," provide explanation in attachment.)**

Yes No

If "Yes", provide explanation and attach

Add Attachment

Delete Attachment

View Attachment

21. *By signing this application, I certify (1) to the statements contained in the list of certifications and (2) that the statements herein are true, complete and accurate to the best of my knowledge. I also provide the required assurances** and agree to comply with any resulting terms if I accept an award. I am aware that any false, fictitious, or fraudulent statements or claims may subject me to criminal, civil, or administrative penalties. (U.S. Code, Title 218, Section 1001)**

** I AGREE

** The list of certifications and assurances, or an internet site where you may obtain this list, is contained in the announcement or agency specific instructions.

Authorized Representative:

Prefix: * First Name:

Middle Name:

* Last Name:

Suffix:

* Title:

* Telephone Number: Fax Number:

* Email:

* Signature of Authorized Representative: * Date Signed:

BUDGET INFORMATION - Construction Programs

NOTE: Certain Federal assistance programs require additional computations to arrive at the Federal share of project costs eligible for participation. If such is the case, you will be notified.

COST CLASSIFICATION	a. Total Cost	b. Costs Not Allowable for Participation	c. Total Allowable Costs (Columns a-b)
1. Administrative and legal expenses	\$ <input type="text" value="11,515.00"/>	\$ <input type="text" value="2,000.00"/>	\$ <input type="text" value="9,515.00"/>
2. Land, structures, rights-of-way, appraisals, etc.	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
3. Relocation expenses and payments	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
4. Architectural and engineering fees	\$ <input type="text" value="32,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="32,000.00"/>
5. Other architectural and engineering fees	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
6. Project inspection fees	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
7. Site work	\$ <input type="text" value="195,105.00"/>	\$ <input type="text" value="690.00"/>	\$ <input type="text" value="194,415.00"/>
8. Demolition and removal	\$ <input type="text" value="26,000.00"/>	\$ <input type="text"/>	\$ <input type="text" value="26,000.00"/>
9. Construction	\$ <input type="text" value="281,540.00"/>	\$ <input type="text"/>	\$ <input type="text" value="281,540.00"/>
10. Equipment	\$ <input type="text" value="56,530.00"/>	\$ <input type="text"/>	\$ <input type="text" value="56,530.00"/>
11. Miscellaneous	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
12. SUBTOTAL (sum of lines 1-11)	\$ <input type="text" value="602,690.00"/>	\$ <input type="text" value="2,690.00"/>	\$ <input type="text" value="600,000.00"/>
13. Contingencies	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
14. SUBTOTAL	\$ <input type="text" value="602,690.00"/>	\$ <input type="text" value="2,690.00"/>	\$ <input type="text" value="600,000.00"/>
15. Project (program) income	\$ <input type="text"/>	\$ <input type="text"/>	\$ <input type="text"/>
16. TOTAL PROJECT COSTS (subtract #15 from #14)	\$ <input type="text" value="602,690.00"/>	\$ <input type="text" value="2,690.00"/>	\$ <input type="text" value="600,000.00"/>
FEDERAL FUNDING			
17. Federal assistance requested, calculate as follows: (Consult Federal agency for Federal percentage share.) Enter eligible costs from line 16c Multiply X <input type="text" value="50"/> % Enter the resulting Federal share.			\$ <input type="text" value="300,000.00"/>

ASSURANCES - CONSTRUCTION PROGRAMS

OMB Number: 4040-0009
Expiration Date: 06/30/2014

Public reporting burden for this collection of information is estimated to average 15 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0042), Washington, DC 20503.

PLEASE DO NOT RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET. SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

NOTE: Certain of these assurances may not be applicable to your project or program. If you have questions, please contact the Awarding Agency. Further, certain Federal assistance awarding agencies may require applicants to certify to additional assurances. If such is the case, you will be notified.

As the duly authorized representative of the applicant:, I certify that the applicant:

1. Has the legal authority to apply for Federal assistance, and the institutional, managerial and financial capability (including funds sufficient to pay the non-Federal share of project costs) to ensure proper planning, management and completion of project described in this application.
2. Will give the awarding agency, the Comptroller General of the United States and, if appropriate, the State, the right to examine all records, books, papers, or documents related to the assistance; and will establish a proper accounting system in accordance with generally accepted accounting standards or agency directives.
3. Will not dispose of, modify the use of, or change the terms of the real property title or other interest in the site and facilities without permission and instructions from the awarding agency. Will record the Federal awarding agency directives and will include a covenant in the title of real property acquired in whole or in part with Federal assistance funds to assure non-discrimination during the useful life of the project.
4. Will comply with the requirements of the assistance awarding agency with regard to the drafting, review and approval of construction plans and specifications.
5. Will provide and maintain competent and adequate engineering supervision at the construction site to ensure that the complete work conforms with the approved plans and specifications and will furnish progressive reports and such other information as may be required by the assistance awarding agency or State.
6. Will initiate and complete the work within the applicable time frame after receipt of approval of the awarding agency.
7. Will establish safeguards to prohibit employees from using their positions for a purpose that constitutes or presents the appearance of personal or organizational conflict of interest, or personal gain.
8. Will comply with the Intergovernmental Personnel Act of 1970 (42 U.S.C. §§4728-4763) relating to prescribed standards of merit systems for programs funded under one of the 19 statutes or regulations specified in Appendix A of OPM's Standards for a Merit System of Personnel Administration (5 C.F.R. 900, Subpart F).
9. Will comply with the Lead-Based Paint Poisoning Prevention Act (42 U.S.C. §§4801 et seq.) which prohibits the use of lead-based paint in construction or rehabilitation of residence structures.
10. Will comply with all Federal statutes relating to non-discrimination. These include but are not limited to: (a) Title VI of the Civil Rights Act of 1964 (P.L. 88-352) which prohibits discrimination on the basis of race, color or national origin; (b) Title IX of the Education Amendments of 1972, as amended (20 U.S.C. §§1681 1683, and 1685-1686), which prohibits discrimination on the basis of sex; (c) Section 504 of the Rehabilitation Act of 1973, as amended (29 U.S.C. §794), which prohibits discrimination on the basis of handicaps; (d) the Age Discrimination Act of 1975, as amended (42 U.S.C. §§6101-6107), which prohibits discrimination on the basis of age; (e) the Drug Abuse Office and Treatment Act of 1972 (P.L. 92-255), as amended relating to nondiscrimination on the basis of drug abuse; (f) the Comprehensive Alcohol Abuse and Alcoholism Prevention, Treatment and Rehabilitation Act of 1970 (P.L. 91-616), as amended, relating to nondiscrimination on the basis of alcohol abuse or alcoholism; (g) §§523 and 527 of the Public Health Service Act of 1912 (42 U.S.C. §§290 dd-3 and 290 ee 3), as amended, relating to confidentiality of alcohol and drug abuse patient records; (h) Title VIII of the Civil Rights Act of 1968 (42 U.S.C. §§3601 et seq.), as amended, relating to nondiscrimination in the sale, rental or financing of housing; (i) any other nondiscrimination provisions in the specific statute(s) under which application for Federal assistance is being made; and (j) the requirements of any other nondiscrimination statute(s) which may apply to the application.

11. Will comply, or has already complied, with the requirements of Titles II and III of the Uniform Relocation Assistance and Real Property Acquisition Policies Act of 1970 (P.L. 91-646) which provide for fair and equitable treatment of persons displaced or whose property is acquired as a result of Federal and federally-assisted programs. These requirements apply to all interests in real property acquired for project purposes regardless of Federal participation in purchases.
12. Will comply with the provisions of the Hatch Act (5 U.S.C. §§1501-1508 and 7324-7328) which limit the political activities of employees whose principal employment activities are funded in whole or in part with Federal funds.
13. Will comply, as applicable, with the provisions of the Davis-Bacon Act (40 U.S.C. §§276a to 276a-7), the Copeland Act (40 U.S.C. §276c and 18 U.S.C. §874), and the Contract Work Hours and Safety Standards Act (40 U.S.C. §§327-333) regarding labor standards for federally-assisted construction subagreements.
14. Will comply with flood insurance purchase requirements of Section 102(a) of the Flood Disaster Protection Act of 1973 (P.L. 93-234) which requires recipients in a special flood hazard area to participate in the program and to purchase flood insurance if the total cost of insurable construction and acquisition is \$10,000 or more.
15. Will comply with environmental standards which may be prescribed pursuant to the following: (a) institution of environmental quality control measures under the National Environmental Policy Act of 1969 (P.L. 91-190) and Executive Order (EO) 11514; (b) notification of violating facilities pursuant to EO 11738; (c) protection of wetlands pursuant to EO 11990; (d) evaluation of flood hazards in floodplains in accordance with EO 11988; (e) assurance of project consistency with the approved State management program developed under the Coastal Zone Management Act of 1972 (16 U.S.C. §§1451 et seq.); (f) conformity of Federal actions to State (Clean Air) implementation Plans under Section 176(c) of the Clean Air Act of 1955, as amended (42 U.S.C. §§7401 et seq.); (g) protection of underground sources of drinking water under the Safe Drinking Water Act of 1974, as amended (P.L. 93-523); and, (h) protection of endangered species under the Endangered Species Act of 1973, as amended (P.L. 93-205).
16. Will comply with the Wild and Scenic Rivers Act of 1968 (16 U.S.C. §§1271 et seq.) related to protecting components or potential components of the national wild and scenic rivers system.
17. Will assist the awarding agency in assuring compliance with Section 106 of the National Historic Preservation Act of 1966, as amended (16 U.S.C. §470), EO 11593 (identification and protection of historic properties), and the Archaeological and Historic Preservation Act of 1974 (16 U.S.C. §§469a-1 et seq).
18. Will cause to be performed the required financial and compliance audits in accordance with the Single Audit Act Amendments of 1996 and OMB Circular No. A-133, "Audits of States, Local Governments, and Non-Profit Organizations."
19. Will comply with all applicable requirements of all other Federal laws, executive orders, regulations, and policies governing this program.
20. Will comply with the requirements of Section 106(g) of the Trafficking Victims Protection Act (TVPA) of 2000, as amended (22 U.S.C. 7104) which prohibits grant award recipients or a sub-recipient from (1) Engaging in severe forms of trafficking in persons during the period of time that the award is in effect (2) Procuring a commercial sex act during the period of time that the award is in effect or (3) Using forced labor in the performance of the award or subawards under the award.

SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL Clancy Flynn	TITLE Manager
APPLICANT ORGANIZATION South Board of Control	DATE SUBMITTED 06/23/2015

SF-424D (Rev. 7-97) Back

OWYHEE PROJECT

Drought Resiliency Project

Application

South Board of Control Staff

6/24/2015

South Board of Control Drought Resiliency Project proposal and related information for Grant application pursuant to: Funding Opportunity Announcement No. R15AS00047.

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I. Technical Proposal

A. Executive Summary

25 June 2015

South Board of Control

Homedale, Owyhee County, Idaho

The South Board of Control (SBOC) is proposing adding a pump capable of pumping 26 CFS to their existing Gem #2 pumping plant. The plant currently has two 200hp motors attached to two 15 CFS pumps. The pumps take water directly from Snake River to acreage serviced by our Patch canal and our "D" canal. Drought resiliency funds will be used to purchase the materials for the project and SBOC will provide the labor, machines, and all other needs beyond the cost share amount. The project contributes to accomplishing the goals of the FOA in three areas. Under task "A" it will improve our operational flexibility. Under task "C" it will give greater flexibility for the transfer of water within the District and potentially leave an amount of water in the Owyhee reservoir that could be marketed. Under task "D" due to our contract having fish flow augmentation based on a percentage of storage any water that is saved in the reservoir would add to the amount the District would use for fish flow.

This project is located on District facilities and would take approximately one calendar year to finish and an estimated three months of construction work. Giving a completion date on or around 22 January 2016 if it was started in the beginning of August.

B. Background Data

Construction of the Owyhee Project began in 1928 through contracts awarded by United States government through the USBR. The first water delivered in 1935 with the final lateral extension finished in 1939. The project has a North Division (Owyhee Irrigation District) and a South Division (South Board of Control). The two Divisions have a Joint Committee made up of board members from each division that meet at least monthly to discuss water allocation, repayment contract issues, power generation and other areas of mutual concern. The USBR owns the facilities with the Districts operating the facilities and paying for them through a repayment contracts with the United States Department of the Interior, Bureau of Reclamation.

The Owyhee Reservoir holds 715,000 AF of active storage which is enough water for two irrigation seasons. The reservoir water is divided between Owyhee Irrigation District, Old Owyhee Canal Co. and the South Board of Control. The South Board of Control's water supply is primarily for irrigation of crops but has some use with cities for lawn water. The

District services approximately 44,828 acres over three irrigation districts that it operates. This acreage breaks down to approximately 22,326 acres that are “Old Gem” with water supplied out of the Snake River, Jump Creek, Sage Creek and Succor Creek. As well as approximately 15,717 “New Gem” acres and 6,785 Ridgeview acres each of these receive their water supply from the Owyhee Reservoir. Water rights are as follows: Snake River 376.65 CFS, Succor Creek 49.72 CFS, Sage Creek 20 CFS, Jump Creek 15.85 and Owyhee reservoir where the District receives 30% of the allotment for the Owyhee Irrigation District and the South Board of Control.

The South Board operates 155 miles of open canals, 25 miles of pipelines, 85 miles of open drainage ditches, two major pumping plants, two re-lift pump stations, and five SCADA sites with two more to be installed this water season. South Board delivers water to 983 water users. The typical crops that are grown by these users are: alfalfa hay, pasture grasses, corn, wheat, beans, sugar beets and potatoes.

In the past South Board has worked with Reclamation on many WaterSmart grants. Here are a few of those past relationships: 17.7 pipeline gravity pressure project funding agreement No. R14AP00062, 14.02/15.8 pipeline project agreement No. R11AP1S027 and 4-3/5-7 lateral pressurization project agreement No. R11AP1S052. In all the above mentioned relationships Reclamation provided matching funds for water conservation and the District acted as the contractor making their in-kind contribution through labor and equipment.

100' to the "D" canal and/or up 70' to the Patch canal. These two canals provide irrigation water to approximately 2,300 acres of irrigable land within Gem Irrigation District. The water will be carried from the pump to the canals via 2,500' of 27" PVC pipe that the District will install next to the existing supply line from the plant. Also, the District is adding a hoist inside the plant to allow for all pumps to be easily lifted when service or repair is needed.

The work will involve site preparation including setting of survey stakes to establish grade. The second step will be the excavation of trench and installation of pipeline while simultaneously demolishing the existing floor and demolition of current plant water intake. Next, installing the new pump, installation of weed screen and installing the overhead hoist. The initial backfill will be made as the pipe is laid and will be done with the materials that are excavated unless they don't meet the engineered backfill requirements. Next, the connections to the pump/existing penstocks and to the outlet structure at the canal will be made. Lastly, the final backfill and grade will be made with a road grader and set back to the original land level.

The District will use all of its own employees and equipment where their professional expertise meets the needs of the project. The District anticipates the need to hire contractors for the installation of the pump and hoist.

D.1 Evaluation Criterion A – Project Benefits

Gem #2 project will allow the South Board to deliver the full instantaneous delivery amount of 1 miner's inch per acre to all of the acres under the "D" canal and the Patch canal. Historically the District could draw water out of Sage and Succor creek to supply these acres but that water source currently cannot meet our water right due to the current prolonged drought. The District currently has pumps in Gem #2 for that acreage but they can only deliver approximately 0.5 inches per acre. Due to this limitation we currently supplement these acres with water out of the Owyhee reservoir.

This project will provide benefits for an indefinite amount of time because the pump and lines can always be replaced or repaired if failure occurs.

The expansion of Gem #2 pumping plant would involve an additional 26 CFS supplied out of the Snake River to supplement the dwindling supply from Sage and Succor creeks. Here is the calculation for 26CFS: 2,303 acres times 9 gal/min per miners inch = 20,727 gal/min divided by 448.8 gal/min per CFS = 46 CFS needed minus 20 CFS current pumping capacity = 26 CFS needed. This will represent approx 7% of our Snake River water supply and approx 3% of our total water supply.

This expansion project will allow SBOC to better manage the different sources of the supply by giving us a way to save water out of the reservoir and tap additional supply from the

Snake River. It will also allow us to deliver an amount equivalent to our instantaneous obligation water when the river is low.

While the project will not make new information available to water managers it does impact a significant portion of the Districts water supply. The amount that will be directly affected will be 9,212 AF, the allotment for the 2,303 acres from the two canals. However, half of our water supply will see some effects because the water from the reservoir will no longer be needed to fulfill the instantaneous delivery needs for these acres. This will make that water available to the 22,501 acres that are serviced solely from the reservoir.

What percentage of the total water supply is being better managed? Between direct and indirect the effects will be seen in approximately 50% of our water supply.

Qualitatively we will be free from the ongoing frustration between the land owners for these acreages and from some of their neighbors about the “proper” place of use for the reservoir waters. The District will have better operational flexibility to supply the water from where it is available and determine which sources of supply will have the least amount of loss at the time of demand.

It has the potential for the portion of 9,212 AF that we typically supplement with reservoir water to be marketed. The first priority of this water would be to meet the demands of the other SBOC users under the reservoir. However, if SBOC deems the water to be expendable it could be made available to other water users via the Idaho Water Bank process. There are many potential users such as: other irrigation entities, wildlife, fish and flow augmentation are a few of the potential users.

The only benefit to wildlife the District foresees is the potential for saved water in the reservoir that will yield a larger portion of water for the percentage for fish augmentation to be calculated from.

D.2 Evaluation Criterion B – Drought Planning and Preparedness

The SBOC drought contingency plan is included as: Appendix I. SBOC drought plan is centered on drought monitoring, vulnerability assessment, drought mitigation procedures, courses of action, having a clear operational/administrative framework and regularly updating the plan as needs and conditions change.

Portions of the plan have been developed through collaboration with multiple stakeholders: SBOC, Owyhee Irrigation District, Old Owyhee Ditch Company and USBR Snake River Area Office. The main area of collaboration between from these stake holders is monitoring and response actions when a drought is eminent. This is evidenced by the MOU that was developed in 2014 water season. The MOU is viewed as a living document by all these parties.

The drought plan addresses climate change in that it sites a report prepared by the University of Idaho that reviewed various indicators of climate change. The review of this

