

**Christmas Circle Community Park
700 Palm Canyon Drive,
Borrego Springs, California**

**Project Review Committee
Prop 68**

January 18, 2022

Enclosed is the application for a grant to establish a water reduction program for Christmas Circle Community Park located in the center of Borrego Springs. The park is a 3 acre facility serving thousand of visitors a year. It also provides the venue for all of the major outdoor community events. Borrego Springs has a large population of low income families that do not have adequate air conditioning for the hot summer months, so they take advantage of the cooler park environment for their evening activities.

A review of the irrigation system and the soil condition has revealed the cause for the high water consumption required to maintain the park landscape. The irrigation system is 40 plus years old

The park is a non-profit 501c3 facility. The funding to maintain the park each year is solely from grants and donations and has not been adequate to fund an irrigation upgrade or soil improvement program.

The grant request will result in a program that will meet our water reduction goals and reduce cost so those funds can be used to continue the soil enhancement program in the years following his program.



**Jim Wilson, President, Christmas Circle Community Park
Board of Directors**

Christmas Circle Community Park

Water Reduction and Implementation Plan and Schedule

Establish a project account to track all grant expenditures

Issue payments for project milestones set forth in the project plan

Provide accounting reports of progress payments

Prepare and submit a final expenditure report and project completion

Establish a plan and schedule to include a start date working back from the first day of Borrego Days

Establish a work plan with start and completion dates for the irrigation upgrade, the application of the Site One soil improvement program and the application the sand leveling and reseeding

To coordinate the various activities a meeting will be conducted with the Park Management, Fredericks Construction, Site One Landscape Supply and Fuentes Landscape Service To establish the sequence and schedule for each function of the program

Additional cost of the program;

Administration, Book Keeping, Payments and Reporting \$1,000

Application of Site One soil enhancing and water reduction material \$ 3,600 (3 years)

Project Information Submittal Form

Project Submitter/Owner: Jim Wilson, President, Board of Directors, 501c3

Project Name: Christmas Circle Community Park, Water Reduction Program

Contact Information

Name: Jim Wilson

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Project Summary

Please provide a summary of the Project description. Use as much space as you need.

The project contains the application of soil treating material that reduces water requirements. LASCO Carbon Pro is a nutrient optimizing system that harnesses the power of carbon, plant-microbe interactions and organic soil processes to maximize plant health and nutrition. There are five soil conditioning products in the plan four of which are applied one time a year and one applied twice a year.

The application of sand will reduce the uneven condition of the surface that creates an unsafe environment.

The irrigation upgrade to reduce water consumption will include;

The new system will feature the following:

- **Moisture Sensors** - When the sensor detects dry conditions prior to the normal watering cycle, the cycle is allowed. When the soil is above the set moisture threshold, the water cycle is suspended to avoid over-watering.
- **Rainbird RSD Rain Sensor** - To be attached to building. This system automatically turns off the sprinkler system when it rains.
- **Flow monitor** - 2" PVC - allows precise and accurate flow monitoring and setting of operating ranges that will shut off irrigation system in case of a break in the waterline.
- **Sprinkler Heads** - Rainbird 5000 series - with a 35' radius, with interchangeable nozzles for water savings capability and an output of 3.5 gallons/minute.
- **Modular Smart Controller**

We will set all moisture parameters and develop an efficient seasonal watering schedule with existing maintenance personnel.

Describe the project location, current conditions, and the benefiting areas. Please attach, separately, a regional and Project map depicting the site(s) location, current conditions, and benefiting areas.

The Park is located in the center of the business area of Borrego Springs. The Park contains mature trees and grass and has not had soil treatment as a result the lack of water retention requires frequent irrigation.

Christmas Circle Community Park is the only grassed shaded park in the Borrego Valley and draws thousands of visitors a year contributing to the local economy. There is a large number of low income resident families that lack adequate Air conditioning utilize the cooler Park environment during the hot summer months.

What is the nexus of the Project to the Sustainability Goal of the Borrego Springs Subbasin Groundwater Management Plan (GMP)? Is the Project listed in the GMP? How does the Project help achieve the goals of the GMP?

This project is not named in the GMP. To meet the intent of the GMP the Board of Directors have reviewed a number of options to reduce water consumption and until the current system was proposed there was nothing that would not degrade the environment of the park.

What are the specific goals and needs for the Project, and how will the project achieve the goals and meet the needs?

The plan is to continue with the system for 3 years and evaluate the progress every 6 months to include all the conditions that occur from the winter to summer months. Coordination with the material supplier will continue so changes to the process can be made if needed

What are the quantifiable benefits of the Project (e.g., protect or enhance water quality, water conservation, enhanced understanding of the groundwater basin, etc.)? How will those benefits be quantified and evaluated?

Each month the water consumption will be compared to the past 5 year average for that same month.

It is estimated, based on experience in other locations, it is estimated the consumption rate will be reduced by an excess of 30 %

Please describe the communities served by the Project. Will the Project benefit an Underrepresented Community, a Disadvantaged Community (DAC), and/or a Severely Disadvantaged Community (SDAC)? If so, please provide a map.

As a Severely Disadvantaged community it is essential provide a safe clean well maintained facility to improve their quality of life. The current plan is designed to meet the requirement of the GSP without degrading the facility

Will the Project or Component positively impact issues associated with small water systems or private shallow domestic wells (e.g., groundwater contamination vulnerability, drawdown, etc.)? If so, please provide justification such as water system maps or domestic well census results.

N/A

Does the Project address the needs of the State Water Board's SAFER Program, designed to ensure Californians who lack safe, adequate, and affordable drinking water receive it as quickly as possible, and that the water systems serving them establish sustainable solutions?

N/A

How does the Project address the Human Right to Water (AB 685 Section 106.3) which states that every human being has the right to safe, clean, affordable, and accessible water adequate for human consumption, cooking, and sanitary purposes?

N/A

Please describe how the project contributes to addressing the risks in the region to water supply and water infrastructure arising from climate change. If possible, please provide the amount of greenhouse gas emissions reduced and carbon sequestered resulting from the project.

The number of well maintained trees in the park contribute to CARBON REDUCTIONS

Work Plan

The Work Plan must contain descriptions of the anticipated tasks necessary to complete the project. Tasks should be organized by the five budget categories, as applicable: (a) Project Administration, (b) Planning/Design/Environmental, (c) Construction/Implementation, (d) Monitoring/Assessment, and (e) Interested Parties Outreach/Education. The Work Plan should also identify the anticipated deliverables for each task.

Add additional tasks and subtasks as needed to provide a detailed work plan. Some examples and suggested language have been provided.

Budget Category (a): Project Administration

Task 1 – Project Management

Manage grant agreement including compliance with grant requirements, and preparation and submission of supporting grant documents and coordination with the Grantee, Borrego Water District. Prepare invoices including relevant supporting documentation for submittal to DWR via Borrego Water District. This task also includes administrative responsibilities associated with the project such as coordinating with partnering agencies and managing consultants/contractors.

Deliverable s: Invoices and necessary documentation

Budget Category (b): Planning/Design/Environmental

Task n. – Planning

[Description]Material will be applied in September as part of the reseeding processes. The application will conform to the recommendations of the material supplier (Site One). Soil samples will be taken every 6 months by the supplier to verify quantities of material applied are correct.

Deliverable: [ex: 100% Plans and Specifications]

Task n. – CEQA

[Description]

Deliverable s: [ex: Notice of Determination]

Budget Category (c): Construction/Implementation

Task n. – Construction Management

Activities necessary to secure a contractor and award the contract include: develop bid documents, prepare advertisement and contract documents for construction contract bidding, conduct pre-bid meeting, bid opening and evaluation, selection of the contractor, award of contract, and issuance of notice to proceed. {Add applicable detail}

Deliverable s: Bids were solicited from local qualified sources. Christmas Circle Community Park management will over see the irrigation upgrade, the soil conditioning and coordinate with BWD as needed.

Task n. – [Title]

[Description] Upgrade the irrigation system accommodate reductions resulting from applications of soil treatment

Budget Category (d): Monitoring/Assessment

Task n. – [Title]

[Description] Progress payment reports will be made for CCCP and BWD's review, CCCP will monitor project schedule performance to assure completion date support for planned community events.

Budget Category (e): Interested Parties Outreach/Education

Task n. – [Title]

[Description] A display board will be installed to describe the water reduction program (irrigation upgrade, soil conditioning) including displaying the results in graph form. This will provide an informational source for other entities to develop programs to reduce water consumption without degrading their facilities.

Budget

DWR required budget categories have been included below. Add tasks as applicable; additional rows must be added under the applicable categories to present the cost of each task described in the Work Plan.

Category

- (a)
- (b)
- (c)
- (d)

Requested Grant Amount

Local Cost Share: Non-State Fund Source*

Total Cost

% Local Cost Share (Col(b))/(Col(c))

(a)

Project Administration

Establish account for total project. Manage and make payment as work is accomplished. Develop and submit final report of project cost

\$1000

Task 1. 01

(b)

Planning/Design/Environmental

Task n. 01 training of maintenance contractor, design monitoring and evaluation

\$500

(c)
Construction/Implementation

Task n. 02

Irrigation upgrade \$105,350

Application sand for soil conditioning and soil treatment material
Application of sand \$27,568

Application of soil conditioning material
Material (\$7,327, 1 year, \$21,981, 3 years) Labor (\$ 1,200 1 year, \$ 3,600 3 years)
Upgrade i

(d)
Monitoring/Assessment

Task n. 03 Monthly report of water usage 3 years (contract book keeper) \$400
Cost report of progress payments to BWD/ Park Management

(e)
Interested Parties Outreach/Public Education

Task n. 04 Install a display board in the park showing information on soil treatment, irrigation monitoring and charting water reduction.

\$1000

(f)
Grand Total (Sum rows (a) through (d) for each column)

Total project (3 years) \$ 161,399

* List sources of Local Cost Share funding:

N/A

Schedule

The Schedule must be organized in a manner that is consistent with the Work Plan and Budget that will be contained in the Grant Agreement. The Schedule Table presented below is a template that must be completed for each project in the proposal. The required budget categories have been included below. Add additional rows for each task as described in the Work Plan and Budget.

| Categories | | Start Date (Earliest Start Date) | End Date (Latest End Date) |
|---------------------------------------|------------------------|-------------------------------------|----------------------------|
| Irrigation update | | 8-1-2022 | |
| Soil Preparation, Sanding and Seeding | | 9-7-2022 | |
| (a) | Project Administration | 07/18/22 | 09/29/22 |
| | Task n. 01 Training | 09/01/22 | 09/02/22 |

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|------------|---|-------------------|-------------------|
| (b) | Planning/Design/Environmental | | |
| | Task n. 01 | 07/25/22 | 07/29/22 |
| (c) | Construction/Implementation | MM/DD/YYYY | MM/DD/YYYY |
| | Task n. 02 | 08/01/22 | 08/31/22 |
| (d) | Monitoring/Assessment | MM/DD/YYYY | MM/DD/YYYY |
| | Task n. 03 | 09/30/22 | 09/01/23 |
| (e) | Interested Parties Outreach/Public Education | MM/DD/YYYY | MM/DD/YYYY |
| | Task n. 04 | 09/30/22 | 08/31/25 |