

Warning: Read this Instructions Tab thoroughly and entirely. For your application to be deemed complete, you must provide all required information as outlined below and on all subsequent tabs.

This application is specific to Urban Indoor and Urban Irrigation water conservation project types. If your project focuses on improving water use efficiency in an Agriculture or Nursery setting, you are currently using the wrong application. Go back to the Cooperative Funding Program webpage and download the appropriate application (and example application) for your project.

There are EIGHT tabs (listed to the right), SEVEN of which require data input from you.

Enter data in each light blue colored cell -->
 Some cells contain drop down menus -->
 Clicking on these cells will reveal the menu choices

| |
|------------|
| Select One |
|------------|

Gray cells will self calculate. They cannot accept user inputs.

| |
|--------|
| \$2.21 |
|--------|

| Tabs |
|---|
| 1. Entity Information |
| 2. Project Description |
| 3. Project Financing |
| 4. Project Budget |
| 5a. Estimated Water Savings - Indoor & Other |
| 5b. Estimated Water Savings - Irrigation |
| 6. Cost-Effectiveness Calculator |
| 7. Ancillary Information |

Please be as BRIEF as possible while still being informative. Note that some narrative answer fields are limited to the requested length and space provided. If we cannot see it, we cannot read it. It is recommended that you prepare your narrative text in Word and then copy/paste into the spaces provided.

Excel Tip: You can begin a new paragraph within a cell by holding down the **Alt key and hitting Enter** (return).

You must show the calculations leading to your project's estimated water savings. This is done on **Tab 5a (Estimated Water Savings - Indoor)** and/or **Tab 5b (Estimated Water Savings - Irrigation)**. Once completed, you must fill out **Tab 6 (Cost-Effectiveness Calculator)**. If you have difficulty using the calculator, you may contact Robert Wanvestraut at rowanves@sfwmd.gov or 561-682-6615, or Stacey Adams at sadams@sfwmd.gov or 561-682-2577.

On each tab, start at the top and work to the bottom until you reach the following message:

You have reached the end of this tab. Proceed to the next.

1. Entity Information

| Applicant Entity Name | Project Name | County | Planning Region | Project Location - Latitude of Project (Decimal Degrees) | Project Location - Longitude of Project (Decimal Degrees) |
|-----------------------------|----------------------------|--------|-----------------|--|---|
| The Wonderful SoFla Village | Irrigation System Retrofit | Lemon | LEC | -45.54546873 | 25.64654635 |

| Authorized Representative FIRST Name | Authorized Representative LAST Name | Authorized Representative Email Address | Street Address | City | Zip Code | Phone Number |
|--------------------------------------|-------------------------------------|--|----------------|------------|----------|--------------|
| Jane | Richards | jrichards@buwww.org | 14 Nowhere Ave | Lemonville | 55555 | 555-555-5555 |

If the Authorized Representative is different from the Project Manager (Primary Contact), please provide the following information for the Project Manager.

| Project Manager FIRST Name | Project Manager LAST Name | Project Manager Email Address | Street Address | City | Zip Code | Phone Number |
|----------------------------|---------------------------|--|------------------|------------|----------|--------------|
| Sam | Gamgee | sgamgee@buwww.org | 28 Somewhere Ave | Lemonville | 55555 | 999-999-9999 |

| Federal ID Number | Type of Organization/Entity | If applicable, provide the Consumptive Use Permit, etc. | If applicable, provide the Irrigation Ordinance number |
|-------------------|-----------------------------|---|--|
| 2842145 | HOA/POA | 28-45456 | N/A |

You have reached the end of this tab. Proceed to the next.

2. Project Description

| Anticipated Start Date | Anticipated End Date | Is this a multi-year project? | Project Type | Estimated Water Savings (mg/y) | \$/kgal | Total Project Cost | Requested Funding |
|------------------------|----------------------|-------------------------------|------------------|--------------------------------|---------|--------------------|-------------------|
| 10/1/2021 | 9/30/2022 | No | Urban Irrigation | 5.1 | \$1.02 | \$ 23,915.10 | \$ 11,958.00 |

The gray cells above will auto-populate as you provide inputs elsewhere within this application.

Excel Tip: You can begin a new paragraph within a cell by holding down the **Alt key and hitting Enter** (return).

| | |
|--|---|
| Project Description Short Form (Limit to THREE sentences or less) | The Village currently irrigates 8 acres of landscape with an inefficient irrigation system using mechanical timer-based controllers. This project will include the following: the replacement of approximately 268 spray heads with pressure regulation and SAM check valves and include approximately 268 U series water nozzles and 85 pressure regulation rotors; the deployment of 9 EPA WaterSense labeled SMART weather-based irrigation controllers with 21 expansion modules; 32 soil moisture sensors and 9 index to solenoid valve conversions. |
|--|---|

| | |
|---|---|
| Project Objective (Limit to ONE sentence) | The objective of this project is to improve irrigation water use efficiency on 8 acres of irrigation landscaping using the latest irrigation water conservation technology. |
|---|---|

| | |
|---|--|
| Long-Form Project Description (Scope of the Project) Include: Item(s) to be purchased/installed/distributed and quantities of each | <p>The Wonderful SoFla Village (Village) currently irrigates 8 acres of landscape with an inefficient irrigation system using mechanical timer-based controllers. The Village contracted with a licensed and Irrigation Association Certified irrigation system auditor to identify areas of water loss and to provide recommendations for system efficiency improvements. The auditor identified 26 leaks which have since been repaired. In addition to the leaks, the system currently irrigates many areas with mixed vegetation types (lawn areas and shrubs or annuals). Many zones have a mixture of spray heads and rotors. The Village wishes to rectify the mixed zones and upgrade its current irrigation equipment with the latest water conservation technology.</p> <p>This project will cover all 8 irrigated acres and include the following actions: the replacement of approximately 268 spray heads with pressure regulation and SAM check valves and include approximately 268 U series water nozzles and 85 pressure regulation rotors (which will eliminate misting and overspray); the deployment of 9 EPA WaterSense labeled SMART weather-based irrigation controllers; and 9 index to solenoid valve conversions (necessary for the SMART controller operations). Thirty-two (32) soil moisture sensors will support these controllers. The addition of 21 expansion modules will allow us to split zones efficiently to minimize the water times for specific zones.</p> <p>The Village will contract with a licensed and Irrigation Association Certified contractor who will conduct the system upgrades and educate the Village's maintenance staff members on maintenance of the new equipment to assure a high functional irrigation system for all common area lawns.</p> |
|---|--|

| | |
|--|--------------------------------|
| Location | Wonderful SoFla Village |
| Target Group(s) and Size | 8 acres of irrigated landscape |
| Acres Affected (if this is an irrigation project) | 8 |

| | |
|---|----------------|
| Is this a rebate or voucher program? | Not Applicable |
| If yes, complete the following: | |
| a. How many rebates or vouchers in total will be issued within the funding period ¹ ? | |
| b. What is the maximum number of rebates/vouchers issued to a single participant? | |
| c. How many dwelling units/facilities will this program attempt to reach at a minimum during the funding period ^{2, 3} ? This should be equal to a./b. above. | |
| d. List any additional types of fixtures or devices, such as, but not limited to, a showerhead or faucet aerator that a participant may receive. | |
| | |
| | |
| | |

Footnotes:

¹Do not enter a range. The final reimbursement will be tied to this number.

²This question assumes all participants accept the maximum number of allowable rebates/vouchers.

³This is the figure you must use in the calculation in your estimated water savings.

2. Project Description

| Identify the water source that will be conserved. | Utility Water Provider or Water Source |
|---|--|
| Potable water from a utility at risk for saltwater intrusion based on elevated chloride levels in monitoring wells or within a Restricted Allocation Area (Section 3.2.1 of the Applicant's Handbook for Water Use Permit Applications) | |
| Potable water from a utility not at risk for saltwater intrusion or in a Restricted Allocation Area | |
| Potable water, but not sure if the area is with a Restriction Allocation Area or at risk of saltwater intrusion (Specify the provider utility) | Yes -BU-WWW |
| Surficial well water in the service area of a utility at risk for saltwater intrusion based on elevated chloride levels in monitoring wells | |
| Surficial well water in the service area of a utility not at risk for saltwater intrusion | |
| Surficial well water, but unsure if at risk of saltwater intrusion (Specify the water body) | |
| Water from a canal or stormwater catchment area (such as a man-made lake within a housing development) | |
| Reclaimed water | |
| Other (Specify) | |

You have reached the end of this tab. Proceed to the next.

3. Project Financing

| Total Project Cost (\$) | Funding Requested (\$) | Applicant Match (\$) | Third-Party Match (\$) |
|-------------------------|------------------------|----------------------|------------------------|
| \$ 23,915.10 | \$ 11,958.00 | \$ 9,800.00 | \$ 2,158.00 |

| Has this project received previous SFWMD funding? | | | No |
|---|-----------------|----------------|--------------|
| If yes, fill out the table below: | | | |
| Year Awarded | Contract Number | Amount Awarded | Amount Spent |
| | | | |
| | | | |
| | | | |

| Is the applicant receiving other funds for this project? | | Yes |
|--|--|--------------------|
| If yes, federal/state/private entity name(s): | | If yes, amount(s): |
| Bozos Conservation Fund | | \$ 2,158.00 |
| | | |
| | | |

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4. Project Budget

| Project Hardware/Technology Items | Quantity of Items or Rebates | Cost per Item, Rebate, or Voucher | Installation Cost per Item | Total Cost for Each Line |
|--|------------------------------|-----------------------------------|----------------------------|--------------------------|
| 1804 Sam PRS Spray Heads & U Series Nozzles | 268 | \$ 7.80 | \$ 11.00 | \$ 5,038.40 |
| 5004 Rotors w/Pressure Reg. & SAM check valves | 85 | \$ 14.00 | \$ 11.00 | \$ 2,125.00 |
| 100 DV Automatic Valves | 30 | \$ 20.94 | \$ 110.00 | \$ 3,928.20 |
| ESP=SMTe Smart Modular Controller | 9 | \$ 280.00 | \$ 75.00 | \$ 3,195.00 |
| ESPSM6 Expansion Module | 21 | \$ 98.50 | \$ - | \$ 2,068.50 |
| Soil Moisture Sensor | 32 | \$ 90.00 | \$ 45.00 | \$ 4,320.00 |
| Index to solenoid valve conversion | 9 | \$ 240.00 | \$ 120.00 | \$ 3,240.00 |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| | | | | \$ - |
| Hardware & Installation Total | | | | \$ 23,915.10 |

You have reached the end of this tab. Proceed to the next.

5a. Estimated Water Savings

This tab contains two sections.

The first section, "Estimated Water Savings for Common Indoor Efficiency Measures", has been created and preset for the most common indoor retrofit project types. You must use the default Current Use and Efficient Use rates for the items below unless you provide an explanation (and documentation) supporting your deviation from the defaults. Acceptance of deviated values is pending District staff review.

The second section, "Estimated Water Savings Explanation for Other Conservation Project Types", has been created for water use efficiency improvement projects using hardware in addition to, or instead of, the fixtures and appliances in Section 1.

Section 1. Estimated Water Savings for Common Indoor Efficiency Measures

Persons Per Home If unknown for your area, visit U.S. Census Quick Facts for your county, or use Florida default of 2.64.
 Number of homes/units affected by this project

| | Common Current Rates | Standard Efficiency Use Rates | |
|------------------------|----------------------|-------------------------------|------------|
| Residential Toilet | 3.5 | 1.28 | gal./flush |
| Shower | 2.5 | 1.75 | gal./min. |
| Lavatory Faucet | 2.2 | 1.50 | gal./min. |
| Kitchen Faucet | 2.2 | 1.50 | gal./min. |
| Dishwasher | 10.5 | 3.50 | gal./use |
| Clothes Washer | 23.0 | 15.00 | gal./use |
| Pre-Rinse Spray Valve | 2.5 | 1.28 | gal./min. |
| Commercial Toilet | 3.5 | 1.28 | gal./flush |
| Commercial Lav. Faucet | 2.2 | 0.50 | gal./min. |

| USER INPUT TABLE | | | |
|------------------------|----------------------|-----------------------|------------|
| | Current Use (Before) | Efficient Use (After) | |
| Residential Toilet | 0.0 | 0.00 | gal./flush |
| Shower | 0.0 | 0.00 | gal./min. |
| Lavatory Faucet | 0.0 | 0.00 | gal./min. |
| Kitchen Faucet | 0.0 | 0.00 | gal./min. |
| Dishwasher | 0.0 | 0.00 | gal./use |
| Clothes Washer | 0.0 | 0.00 | gal./use |
| Pre-Rinse Spray Valve | 0.0 | 0.00 | gal./min. |
| Commercial Toilet | 0.0 | 0.00 | gal./flush |
| Commercial Lav. Faucet | 0.0 | 0.00 | gal./min. |

*Standard uses per day and service lives applied.

| OUTPUT TABLE | |
|-------------------------------------|----------|
| Annual Savings per Item (gallons) | |
| Toilet Savings | 0 |
| Shower savings | 0 |
| Lavatory Faucet | 0 |
| Kitchen Faucet | 0 |
| Dishwasher Savings | 0 |
| Clothes Washer Savings | 0 |
| Pre-Rinse Spray Valve | 0 |
| Commercial Toilet | 0 |
| Commercial Lav. Faucet | 0 |
| Total Annual Savings | 0 |
| Savings in million gallons per year | 0.0 |

Section 2. Estimated Water Savings Explanation for Other Conservation Project Types

Please enter the following:

Current Water Use mgy
 Estimated Post-project Water Use mgy
 Potential Savings mgy

Briefly provide the basis for your Current Water Use estimate (e.g., metered data, water bills, zone use calculations).

Briefly explain the basis for your Post-project Water Use estimate.

You have reached the end of this tab. Proceed to the next.

5a. Estimated Water Savings - Irrigation

For these items, you must use the savings rates provided.

Please enter the following:

| | | |
|-------------------|------|-------------------------|
| Project Size | 8.0 | acres affected |
| Current Water Use | 16.9 | mgy |
| Savings % | 30% | From table at right --> |
| Potential Savings | 5.1 | mgy |

Enter this value in Column D on the Cost-Effectiveness sheet.

[Read the notes below the input box.](#)

If your project entails any of these items, you must use the savings % shown below.

| Item | Savings % |
|---------------------------|------------|
| Rain Sensor | 30% |
| Soil Moisture Sensor | 30% |
| Weather-based Controller | 30% |
| Efficient Sprinkler Heads | 15% |
| System Design Corrections | 15% |
| Turf Replacement* | 30% - 100% |

* Rebate eligible species must be listed. Savings % will be a function of plant species needs.

Briefly provide the basis for your Current Water Use estimate (e.g., metered data, water bills, zone use calculations). Also see the notes below this box.

Currently the water used for irrigation per week (3 x's weekly @ 1/2") would use 40,731 gallons per week, per acre, X's 52 weeks per year = 2,118,012 x 8 acres = 16,944,096 gallons per year. The project would yield approximately a 30% savings with and estimated 5.1 MGY.

Savings for projects with more than one component (from the table above) cannot double-count or compound savings percentages.

For projects with more than one component, use ONLY the savings associated with the highest savings percentage.

As an example, if the upgraded system will have new efficient sprinkler heads and a new controller, only enter percent savings for the new controller (30%).

District staff may assign a higher evaluation score for projects with more than one component.

For items not shown in the savings table above, provide an explanation and any documentation supporting the savings values and number of service years you enter.

You have reached the end of this tab. Proceed to the next.

7. Ancillary Information

| | |
|---|-----|
| Does any contractor or other affiliate of the applicant have a financial interest in this project, the property associated with this project, or with any party that may profit financially from this project? | No |
| If yes, list the parties and interests: | |
| | |
| | |
| | |
| Is the project part of your institution/facility's conservation plan? | No |
| This is a State of Florida reimbursement program. The entire project scope is expected to be completed within the funding period, regardless of amount awarded. There is no guarantee the applicant will be awarded the amount requested. Are budgeted funds available to pay for the entire scope of the project? | Yes |
| Does the applicant understand that if, for any reason, the project scope is not fulfilled to 100% completion as outlined in the statement of work, the funding amount will be reduced to match the original percentage of funding in the contract/purchase order based on the estimated project cost provided in the application? | Yes |
| Does the applicant understand that funds are only for expenses incurred or obligated during the funding period? | Yes |
| Is the applicant a REDI Community? | No |
| Is the applicant willing to host educational/demonstration activities highlighting the project site at reasonable times and under reasonable conditions? Your answer will not affect your project's eligibility or review. | Yes |

**You have reached the end of the application.
Go back and check that all required information has been entered.
It is recommended you review all inputs on all tabs.**