

# Water-Energy Grant Program



Applicant Assistance Workshops

September 29, in Sacramento

October 3, in Riverside





# Purpose of Workshops

- ▶ Address applicant questions and provide assistance in preparing grant proposals.

Participants on the web can email in questions and comments during the broadcast to:

[dwr\\_irwm@water.ca.gov](mailto:dwr_irwm@water.ca.gov)



# Agenda

- ▶ Program Summary
  - ▶ Overview of Attachments
  - ▶ Questions and Answers
- 



# 2016 Water-Energy Goal

- ▶ Programs or projects that save water and reduce GHG emissions
  - 💧 Commercial and/or institutional
  - 💧 Residential that benefit DACs



# Funding

- **\$19 million** available
- Maximum grant award is **\$3 million** per application
- Not more than **\$6 million** per applicant
- No mandated cost share requirement



# Eligible Grant Recipients

- ▶ Local Agencies
  - ▶ Joint Powers Authorities
  - ▶ 501(c)(3)
- 



# Eligible Project Measures

- ▶ Commercial or residential
    - ▶ Dishwashers
    - ▶ Clothes Washers
  - ▶ Commercial Steam Cookers
  - ▶ Commercial Ice Machines
  - ▶ Showerheads
  - ▶ Faucets
  - ▶ Pre-Rinse Spray Valves
  - ▶ Boiler-less Combination Ovens
- 

# Funding Priority Table

Priority	DAC	GHG Reduction	Water Savings	Agreement Components
1	Yes	High	High	Sufficient
2	No	High	High	Sufficient
3	Yes	High	Medium	Sufficient
4	Yes	High	High	Not Sufficient
5	No	High	Medium	Sufficient
6	Yes	High	Medium	Not Sufficient
7	Yes	Medium	High	Sufficient
8	No	Medium	High	Sufficient

# How to Submit a Proposal

CA.GOV CALIFORNIA DEPARTMENT OF WATER RESOURCES

HOME NEWSROOM & EVENTS ISSUES ABOUT US

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DWR California

## GRANTS

GRANTS REVIEW AND TRACKING SYSTEM

Welcome to the Department of Water Resources (DWR) Grants Review and Tracking System. GRanTS is a web-based tool that can be used to:

- Apply for grants and loans.
- Manage contracts and track projects.
- Submit electronic contract deliverables and invoices.

### Open Solicitations

**NEW!** DWR released the Final Guidelines and Proposal Solicitation Package for the Water-Energy Grant Program on September 6, 2016. Applications are due on November 7, 2016 at 5:00 PM.

**NEW!** DWR released the Proposal Solicitation Package for the Proposition 1 2016 IRWM Planning Grant PSP and the Final 2016 IRWM Guidelines on August 1, 2016. Applications are due no later than September 23, 2016 at 5:00 PM.

### GRanTS Outages

- Thursday, September 22, 2016 from 5:00 PM to 11:59 PM for maintenance and upgrades.

### Recent Changes in GRanTS

- **03/24/2016:** The GRanTS team fixed bugs in the Review module that were reported by GRanTS users after the Windows 10 upgrade. DWR Program Managers and PSP Staff were unable to setup the Review Process, or Modify or View the Existing Review Process.
- **02/29/2016:** The GRanTS team improved the way pages are displayed and fixed bugs that were reported by GRanTS users. The changes include pop-up confirmation messages when saving or deleting files, downloading files with a click of a button, and the ability to view up to 50 records per page.
- **11/17/2015:** The GRanTS website has been enhanced with a new grid system. The improvements increase the number of viewable items on a single page. That will make it easier and quicker to navigate and view more proposals, projects, and contracts.

**Sign in**

HOME

USER GUIDES

- » Quick Start Guide
- » Public User Guide
- » Frequently Asked Questions (FAQ)

INTERNAL (DWR) USER GUIDES

VIDEOS

- » How to Register
- » How to Complete a Grant Application

PROJECT MAPPING TOOL

FINANCIAL ASSISTANCE

SUPPORT

GRanTS Helpdesk  
Tel: (888) 907-4267  
Email: GRanT\_Sadmin@water.ca.gov

f t y



# How to Submit a Proposal

## Helpful GRanTS Tips

- ▶ Create account now
- ▶ File size limit is 50 MB
- ▶ When uploading an attachment in GRanTS use the following naming convention
  - 💧 Att#\_WE16\_**Agency\_AttachmentName**\_#ofTotal#
  - 💧 Example: Att**3**\_WE16\_**DWR\_WorkPlan**\_1ofTotal**1**
- ▶ Acceptable file formats include:
  - 💧 MS Word, MS Excel, PDF
- ▶ Helpline (888) 907-4267



# Attachment 1: Authorization & Eligibility Requirements

- ▶ Authorizing Documentation
- ▶ Eligible Applicant Documentation
- ▶ Urban & Ag Water Management Compliance
- ▶ Groundwater Management Compliance
  - ▶ SGMA
  - ▶ CASGEM
  - ▶ GWMP
- ▶ Surface Water Diverters Compliance
- ▶ Water Metering Requirement Compliance



# **Attachment 2: GHG Calculator & Quantification Methodology**





# Attachment 3:

## Work Plan

- ▶ Project Description
- ▶ Project Map
- ▶ Project Proponent/Partner
- ▶ Work Plan Tasks
  - 🔥 Direct Project Administration & Reporting
  - 🔥 Project Evaluation/Planning/Design
  - 🔥 Environmental Documentation (CEQA)
  - 🔥 Permitting
  - 🔥 Proposal Monitoring
  - 🔥 Project Implementation



# Evaluation Criteria – Work Plan

- ▶ Sufficient Work Plan includes:
  - 🔥 Detailed map(s) – jurisdiction and project location(s)
  - 🔥 Project description – project need and objective(s)
  - 🔥 Tasks result in a completed project
  - 🔥 Main activities and level of effort
  - 🔥 Deliverables
  - 🔥 CEQA compliance and necessary permits

# Attachment 4: Budget

Line Item	Grant Funding	Cost Share	Total
Personnel Services	\$	\$	\$
Land/Easement Acquisition	\$	\$	\$
Grantee Expenses	\$	\$	\$
Equipment	\$	\$	\$
Professional and Consultant Services	\$	\$	\$
Construction/Implementation Costs	\$	\$	\$
TOTAL	\$	\$	\$



# Evaluation Criteria – Budget

- Sufficient Budget includes:
  - 🔹 Basis of estimate with hours and rates
  - 🔹 Reasonable costs
  - 🔹 Consistent with the Work Plan and Schedule



# Attachment 5: Schedule

- ▶ Provide brief narrative describing readiness and/or current project status
- ▶ Provide a detailed and realistic timeline that corresponds with the tasks in the Work Plan
  - Include milestones
- ▶ Start date March 2017
- ▶ End date June 2019



# Evaluation Criteria – Schedule

- Sufficient Schedule includes:
  - 🔥 Realistic and detailed
  - 🔥 End date of June 30, 2019
  - 🔥 Consistent with the Work Plan and Budget
  - 🔥 Ready to go



# Attachment 6: Project Monitoring

- ▶ Reporting requirements in ARB's Funding Guidelines, Appendix 3.A, Table 3.A-9 (Link in Appendix A)
- ▶ Annual reporting of
  - 💧 Water Savings
  - 💧 GHG emission reductions
  - 💧 Energy Savings
  - 💧 Grant dollars benefitting a DAC
  - 💧 Benefits to a DAC resulting from the project
- ▶ Data by grant, census tract, zip code, legislative district
- ▶ Finalize Plan during agreement development



# Evaluation Criteria – Monitoring Plan

- ▶ Sufficient Monitoring Plan includes:
  - 🔥 Track progress towards the claimed benefits
  - 🔥 Collect data required for Air Resources Board reporting



# Attachment 7: Disadvantaged Community

- Only required if applying for DAC preference
- Narrative description
  - 💧 Benefit provided to the DAC
  - 💧 Important community need
  - 💧 At least 75% of the grant funding to DAC projects
  - 💧 Table 9
- Map based on Cal/EPA CalEnviroScreen 2.0
  - 💧 Location of the project(s)
  - 💧 DAC census tract(s)
  - 💧 Percentage of grant funding to DAC



# Attachment 7:

## Disadvantaged Community

### Part A – Project Location

- ▶ If the answer is yes, go to Part B
  - 🔥 Question 1: Does the project provide water and energy use efficiency incentives or other services that reduce energy use to water users located with a physical address in a DAC census tract?
  - 🔥 Question 2: If the answer to Question 1 is no, will the project improve, repair, or replace water system infrastructure for water and energy savings within a DAC?
  - 🔥 Question 3: If the answer to Question 2 is no, does the project include recruitment, agreements, policies or other approaches that result in at least 25% of project work hours performed by residents of a DAC?
  - 🔥 Question 4: Does the project include recruitment, agreements, policies or other approaches that result in at least 10% of project work hours performed by residents of a DAC participating in job training programs which lead to industry-recognized credentials or certifications?
- ▶ If the answer is no, your project does not qualify for DAC Program preference.



# Attachment 7:

## Disadvantaged Community

### Part B – Meaningfully Address an Important Community need

- ▶ Question 5: What is the community need your project addresses?
- ▶ Question 6: How did you identify the community need?
- ▶ Question 7: Describe how your project and the resulting benefit will address the community need.



# Evaluation Criteria – DAC Program Preference

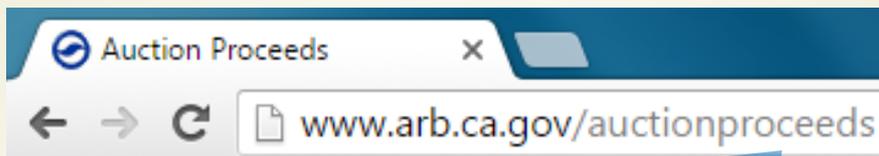
- ▶ To meet Program Preference:
  - 💧 Identify criteria from Table 9 Part A
  - 💧 Explanation of community need
  - 💧 Map with funding allocation
    - 💧 Use CalEnviroScreen2.0
  - 💧 At least 75% grant funds benefit DAC
  - 💧 Track DAC and non-DAC funding

# Attachment 2

An orange arrow pointing to the right, positioned to the left of the main title text.

ARB GHG Quantification Methodology  
and GHG Calculator tool

# Available Resources



## Cap-and-Trade Auction Proceeds Quantification Materials

Department of Water Resources (DWR)

### Water-Energy Grant Program

- [Quantification Methodology for FY 2015-16\\*](#) (PDF)
- [Water-Energy Grant Program GHG Calculator for FY 2015-16\\*](#) (.xlsm)

*\*(Updated September 28, 2016) The quantification methodology has been updated with screenshot figures to reflect the accompanying greenhouse gas emission reduction calculator. The greenhouse gas emission reduction calculator has been updated to automate calculations for total project cost. No changes have been made to the methods or equations.*

### Archived Versions:

- [Interim Quantification Methodology for FY 2013-14/2014-15](#) (PDF)

### State Water Project Turbines

- [Quantification Methodology for FY 2013-14/2014-15](#) (PDF)

**Updated  
September 28, 2016**

➔ ARB Quantification Materials webpage

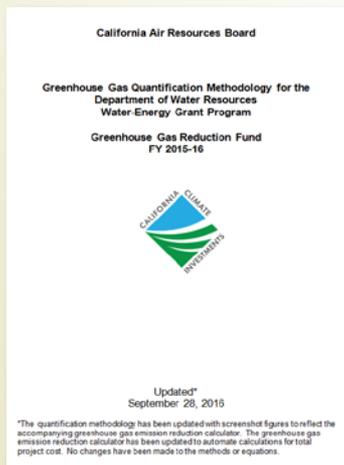
🔥 FY2015-16 GHG Quantification Methodology

🔥 FY2015-16 GHG Calculator tool

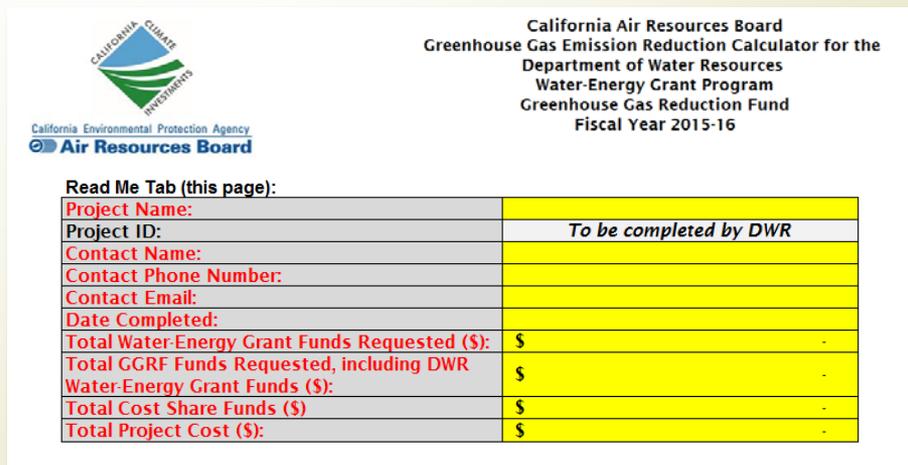
<http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm>

# Quantification Methodology Principles

- Document + Excel-based tool to guide users in applying the methodology
- Methodology uses existing tools to allow a consistent, statewide approach
- GHG reductions based on direct, on-site energy savings
- Default values provided, where applicable



+



**California Air Resources Board**  
**Greenhouse Gas Emission Reduction Calculator for the**  
**Department of Water Resources**  
**Water-Energy Grant Program**  
**Greenhouse Gas Reduction Fund**  
**Fiscal Year 2015-16**

California Environmental Protection Agency  
**Air Resources Board**

**Read Me Tab (this page):**

<b>Project Name:</b>	
<b>Project ID:</b>	<i>To be completed by DWR</i>
<b>Contact Name:</b>	
<b>Contact Phone Number:</b>	
<b>Contact Email:</b>	
<b>Date Completed:</b>	
<b>Total Water-Energy Grant Funds Requested (\$):</b>	\$ -
<b>Total GGRF Funds Requested, including DWR</b>	\$ -
<b>Water-Energy Grant Funds (\$):</b>	\$ -
<b>Total Cost Share Funds (\$)</b>	\$ -
<b>Total Project Cost (\$):</b>	\$ -

\*The quantification methodology has been updated with screenshot figures to reflect the accompanying greenhouse gas emission reduction calculator. The greenhouse gas emission reduction calculator has been updated to automate calculations for total project cost. No changes have been made to the methods or equations.

# Quantification Methodology

- ▶ Provides estimates for commercial/institutional and residential project types.
- ▶ Describes how to estimate GHG reductions from direct, on-site energy savings, and estimates water savings.
- ▶ Based on a single “facility type.”
  - 💧 Buildings designated for a particular use or purpose (e.g., hotels or restaurants).
  - 💧 If multiple “facility types” are proposed, a separate run of the tool is required for each facility type.

## ARB GHG Calculator tool

- ▶ Accompanies the quantification methodology.
- ▶ Calculates estimated GHG reductions, energy savings, and water savings.
- ▶ Provides default assumptions and calculations for all eligible project measures.
- ▶ Allows for multiple project measures of the same type, but with different operational usage data.
- ▶ Allows for multiple facilities of the same facility type.
- ▶ Allows for both commercial/institutional and residential project proposals in one tool.

# Calculations and Results (1 of 5)

## Step 1: Enter applicable data into the "Read Me" tab.



**California Air Resources Board**  
**Greenhouse Gas Emission Reduction Calculator for the**  
**Department of Water Resources**  
**Water-Energy Grant Program**  
**Greenhouse Gas Reduction Fund**  
**Fiscal Year 2015-16**

California Environmental Protection Agency  
**Air Resources Board**

The California Air Resources Board (ARB) is responsible for providing the quantification methodology to estimate greenhouse gas (GHG) emission reductions from projects receiving monies from the Greenhouse Gas Reduction Fund (GGRF).

This GHG emission reduction calculator accompanies the quantification methodology for the fiscal year (FY) 2015-16 GGRF DWR Water-Energy Grant Program available at: <http://www.arb.ca.gov/cc/capandtrade/auctionproceeds/quantification.htm>

ARB released the initial draft and revised draft quantification methodology and GHG emission reduction calculator for public comment in April 2016 and July 2016, respectively. The final draft FY 2015-16 GHG emission reduction calculator was updated to reflect DWR Program updates and public input received. As of September 28, 2016, the quantification methodology has been updated with screenshot figures to reflect the greenhouse gas emission reduction calculator. The greenhouse gas emission reduction calculator has been updated to automate calculations for total project cost. No changes have been made to the methods or equations.

Applicants must use this calculator to estimate the GHG reductions associated with the DWR Water-Energy Grant projects. **Refer to the quantification methodology document for background, step by step detailed instructions and examples.** To use this calculator, follow these steps:

**Step 1** Identify the proposed project measures: The applicant must identify each of the project measures as identified in the 2016 DWR Water-Energy Grant Program guidelines or listed in Table 1 of ARB's quantification methodology document that are applicable to the proposed project.

**Step 2** Estimate GHG emission reductions: The applicant will enter the project-specific data into this ARB GHG Calculator tool to calculate the GHG emission reductions over the equipment life. The Commercial/Institutional and Residential Inputs Tabs are pre-populated with default values and assumptions. For projects with data inputs that vary between the same measure, applicants are required to use the additional Input Tabs. If the defaults are not appropriate, the user can modify them to reflect actual conditions and usage. The Calculations Tabs for a project measure allows users to modify pre-existing measure data and assumptions and to modify additional proposed measure data and assumptions that are not included in the Inputs Tabs. For each measure, the Calcs Tabs display a corresponding number (e.g., (1)) to the applicable Inputs Tab.

**Read Me Tab (this page):**

<b>Project Name:</b>	
<b>Project ID:</b>	<i>To be completed by DWR</i>
<b>Contact Name:</b>	
<b>Contact Phone Number:</b>	
<b>Contact Email:</b>	
<b>Date Completed:</b>	
<b>Total Water-Energy Grant Funds Requested (\$)</b>	\$ -
<b>Total GGRF Funds Requested, including DWR Water-Energy Grant Funds (\$):</b>	\$ -
<b>Total Cost Share Funds (\$)</b>	\$ -
<b>Total Project Cost (\$):</b>	\$ -

**Inputs Tab:**  
 Submit documentation: Save file for submittal following the file naming convention "Att2\_WE16\_Agency\_WEGHG-A\_#ofTotal#". See Section C. Documentation of the quantification methodology for additional documentation requirements.

For more information on ARB's efforts to support implementation of GGRF investments, see: [www.arb.ca.gov/auctionproceeds](http://www.arb.ca.gov/auctionproceeds)  
 Questions on this calculator should be forwarded to: [GGRFProgram@arb.ca.gov](mailto:GGRFProgram@arb.ca.gov)  
 Questions on the Water-Energy Grant Program should be forwarded to: [DWR\\_IRWM@water.ca.gov](mailto:DWR_IRWM@water.ca.gov)

# Calculations and Results (2 of 5)

- Step 2: Enter proposed project data into the "Inputs" tabs for each specific project type.

## Commercial/Institutional Inputs (1)

Please enter the quantities of the new measure(s) proposed for replacement. Enter the project data for the new measure if known or use the defaults provided.

To see more detail on the formulas and values used in this ARB GHG calculator or to modify additional default assumptions, click on the blue tabs for the applicable project measures at the bottom of the page.

Dishwasher						
Input Data		Project Data				
Dishwasher Temp	Dishwasher Type	Quantity	Racks washed per day	Building water heater fuel type	Booster water heater fuel type	Operating days per year
Low Temperature	Under Counter	0	75	Natural Gas	N/A	365
	Stationary Single Tank Door	0	280	Natural Gas	N/A	365
	Single Tank Conveyor	0	400	Natural Gas	N/A	365
	Multi Tank Conveyor	0	600	Natural Gas	N/A	365
High Temperature	Under Counter	0	75	Natural Gas	Natural Gas	365
	Stationary Single Tank Door	0	280	Natural Gas	Natural Gas	365
	Single Tank Conveyor	0	400	Natural Gas	Natural Gas	365
	Multi Tank Conveyor	8	600	Natural Gas	Natural Gas	365
	Pot, Pan, and Utensil	0	280	Natural Gas	Natural Gas	365

[Read Me](#)
[Commercial Inputs \(1\)](#)
[Commercial Inputs \(2\)](#)
[Commercial Inputs \(3\)](#)
[Residential Inputs \(1\)](#)
[Residential](#)

Note: Shows only commercial/institutional dishwashers

# Calculations and Results (3 of 5)

- **Step 3 (if applicable):** Enter fixture specification data into each corresponding "Calcs" tab.

**Assumptions** - users can edit the **YELLOW** highlighted values to modify the assumptions

	Average daily operation (hours)	Typical Wash Time (minutes)		Water Use per Rack (gallons)		Idle Power Draw (kW)		Equipment lifetime (years)
		Conventional	ENERGY STAR	Conventional	ENERGY STAR	Conventional	ENERGY STAR	
<b>Low Temperature</b>								
Under Counter (1)	18	2.0	2.0	1.73	1.19	0.50	0.50	10
Under Counter (2)	18	2.0	2.0	1.73	1.19	0.50	0.50	10
Under Counter (3)	18	2.0	2.0	1.73	1.19	0.50	0.50	10
Stationary Single Tank Door (1)	18	1.5	1.5	2.10	1.18	0.60	0.60	15
Stationary Single Tank Door (2)	18	1.5	1.5	2.10	1.18	0.60	0.60	15
Stationary Single Tank Door (3)	18	1.5	1.5	2.10	1.18	0.60	0.60	15
Single Tank Conveyor (1)	18	0.3	0.3	1.31	0.79	1.60	1.50	20
Single Tank Conveyor (2)	18	0.3	0.3	1.31	0.79	1.60	1.50	20
Single Tank Conveyor (3)	18	0.3	0.3	1.31	0.79	1.60	1.50	20
Multi Tank Conveyor (1)	18	0.3	0.3	1.04	0.54	2.00	2.00	20
Multi Tank Conveyor (2)	18	0.3	0.3	1.04	0.54	2.00	2.00	20
Multi Tank Conveyor (3)	18	0.3	0.3	1.04	0.54	2.00	2.00	20
<b>High Temperature</b>								
Under Counter (1)	18	2.0	2.0	1.09	0.86	0.76	0.50	10
Under Counter (2)	18	2.0	2.0	1.09	0.86	0.76	0.50	10
Under Counter (3)	18	2.0	2.0	1.09	0.86	0.76	0.50	10

▶ | Residential Inputs (3) | Results Summary | Program Summary | **Com. Dishwasher Calcs** | Com. Clothes Washer Calcs | Com. Ice Machine

Note: Shows only commercial/institutional dishwashers

# Calculations and Results (4 of 5)

- “Results Summary” tab:** Provides project data results (including GHG reductions, energy savings and water savings per measure).

Residential										
	Quantity	Annual Savings				Assumed equipment lifetime (years)	Project Savings			Emissions reduction (Metric Tons of CO2e)
		Electricity (kWh)	Gas (therms)	Water (gallons)	Emissions reduction (Metric Tons of CO2e)		Electricity (kWh)	Gas (therms)	Water (gallons)	
<b>Dishwasher</b>										
Input (1)	0	0	0	0	0	-	0	0	0	0
Input (2)	0	0	0	0	0	-	0	0	0	0
Input (3)	0	0	0	0	0	-	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Clothes Washer</b>										
Input (1)	Single Family	0	0	0	0	-	0	0	0	0
	Multi-Family	0	0	0	0	-	0	0	0	0
Input (2)	Single Family	0	0	0	0	-	0	0	0	0
	Multi-Family	0	0	0	0	-	0	0	0	0
Input (3)	Single Family	0	0	0	0	-	0	0	0	0
	Multi-Family	0	0	0	0	-	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Faucet</b>										
Input (1)	Bathroom	0	0	0	0	-	0	0	0	0
	Kitchen	0	0	0	0	-	0	0	0	0
Input (2)	Bathroom	0	0	0	0	-	0	0	0	0
	Kitchen	0	0	0	0	-	0	0	0	0
Input (3)	Bathroom	0	0	0	0	-	0	0	0	0
	Kitchen	0	0	0	0	-	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Showerhead</b>										
Input (1)	0	0	0	0	0	-	0	0	0	0
Input (2)	0	0	0	0	0	-	0	0	0	0
Input (3)	0	0	0	0	0	-	0	0	0	0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Total Project GHG Emission Reductions and Other Savings</b>		<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>-</b>	<b>0</b>	<b>0</b>	<b>0</b>

*Note: Shows only residential summary*

# Calculations and Results (5 of 5)

- **“Program Summary” tab:** Provides project metrics, and summary of the overall project costs and benefits for evaluation during project selection.

<b>Project Name:</b>	California Water Agency	
<b>Project ID:</b>	To be completed by DWR	

Results	GHG Emissions (MTCO <sub>2</sub> e)	Description
<b>Total Project GHG Emission Reductions</b>	1,233	Total GHG Emission Reductions (MTCO <sub>2</sub> e).
<b>Water-Energy Grant Funds Requested (\$)</b>	\$ 500,000	Total DWR Water-Energy Grant fund requested.
<b>Total GGRF Funds Requested, including DWR Water-Energy Grant Funds (\$)</b>	\$ 500,000	Total GGRF Funds Requested for the proposed project, including DWR Water-Energy Grant funds. If you are applying, have applied, or are planning to apply for additional GGRF funds for the proposed project, enter the combined funding request for all GGRF programs. If you are applying only to DWR for GGRF funding, re-enter the Water-Energy Grant funds requested.
<b>Total Cost Share Funds (\$)</b>	\$ -	Total non-GGRF cost share funds
<b>Total Project Cost (\$)</b>	\$ 500,000	Total project cost includes DWR Water-Energy Grant requested, any additional GGRF funds requested, and any cost share funds.
<b>Total GHG Emission Reductions (MTCO<sub>2</sub>e) per Water-Energy Funds Requested (\$)</b>	0.0025	Total Reductions per DWR Water-Energy Grant funds requested.
<b>Total GHG Emission Reductions (MTCO<sub>2</sub>e) per Total GGRF Funds Requested (\$)</b>	0.0025	Total Reductions per Total GGRF funds requested.

Due to DWR Program requirements, additional results are estimated using the ARB GHG Calculator tool and are reported below.

Results	Annual Savings	Project Savings
Energy Savings in Electricity (kWh)	43,222	539,767
Energy Savings of Natural Gas (therms)	11,201	201,179
<b>Total Energy Savings (kWh)</b>	<b>371,517</b>	<b>6,435,983</b>
<b>Total Energy Savings (kWh) over Total Cost (\$)</b>	<b>0.74</b>	<b>12.87</b>
<b>Total GHG Emission Reductions (MTCO<sub>2</sub>e) over Total Cost</b>	<b>0.00015</b>	<b>0.00247</b>
Water Savings (gallons)	1,152,232	18,958,100
<b>Water Savings (gallons) over Total Cost (\$)</b>	<b>2.30</b>	<b>37.92</b>

## Important Information

- ▶ Backup documentation is required for ALL calculator values provided in the application submission.
  - Reviewers must be able to replicate calculations without using outside sources.
  - Inadequate documentation may deem the application ineligible.
- ▶ **Note: Even if default values (yellow cells) remain unchanged, the applicant is expected to provide documentation for these values.**

## Q&A Process

- ▶ ARB will accept questions on the quantification methodology and GHG Calculator tool during the solicitation process through the GGRF e-mail.
  - 🔥 Email: [GGRFProgram@arb.ca.gov](mailto:GGRFProgram@arb.ca.gov)
  
- ▶ For more information on California Climate Investments, please visit our webpage.
  - 🔥 Web: [www.arb.ca.gov/auctionproceeds](http://www.arb.ca.gov/auctionproceeds)

# Walk-through Examples

## ➤ Single Commercial/Institutional "Facility Type"

- 🔥 Hospitals
- 🔥 \$70,000 direct install program
- 🔥 Replace 50 clothes washers, 500 faucets, and 500 showerheads

## ➤ Multiple Commercial/Institutional "Facility Types"

- 🔥 Hotels & Restaurants
- 🔥 \$70,000 rebate program
- 🔥 *Hotels*: \$40,000
  - Replace 500 faucets and 500 showerheads
- 🔥 *Restaurants*: \$30,000
  - Replace 500 faucets



# Schedule

- ▶ Applicant Assistance Workshops
  - 🔥 September 29, Sacramento
  - 🔥 October 3, Riverside
- ▶ Proposals Due by November 7, 2016 at 5pm
- ▶ Draft Awards
  - 🔥 Mid-January 2017
- ▶ Public Comment Period on Draft Awards
  - 🔥 Late January 2017
- ▶ Final Awards
  - 🔥 March 2017



# Questions and Answers

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