

Welcome to the Contra Costa Water District's

## IRRIGATION CONSUMPTION CALCULATOR

*Disclaimer – the calculations produced by this tool are estimates only. Customers are responsible for monitoring their actual consumption by reading their meter.*

This Irrigation Consumption Calculator is a tool to give customers an estimate of how many gallons per day their irrigation systems use. “Click here” to begin using the calculator (it will open in a new window).

Refer to the following instructions for help.

### Step 1 – Sign In

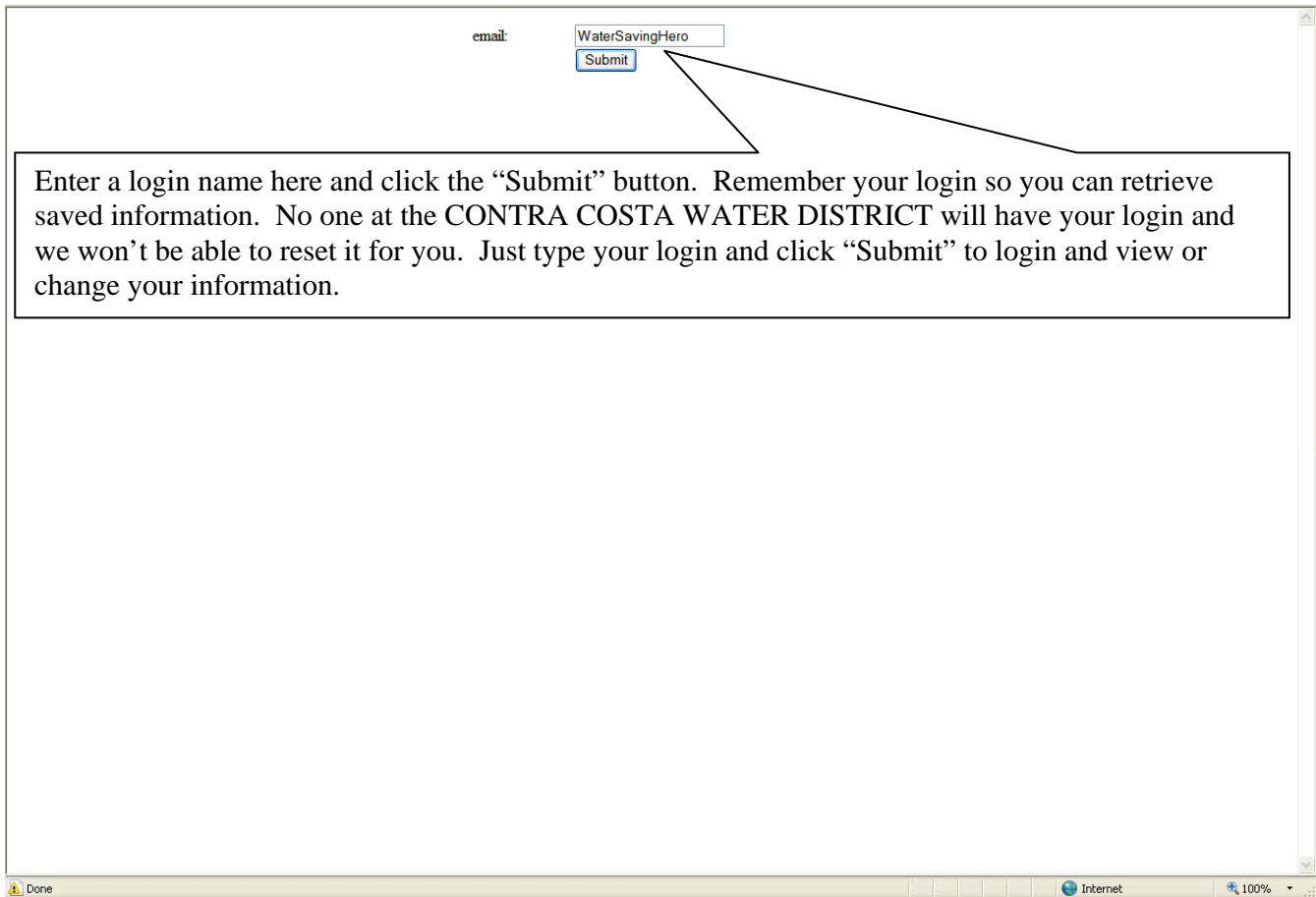
The screenshot shows the 'Controller Programming Worksheet' interface. At the top right, there is a 'Sign In' link and a 'Number of Rows' dropdown set to 16. The main area is divided into three columns for Program A, Program B, and Program C. Each program has a 'Select the Days to Water' section with checkboxes for Su, M, T, W, Th, F, Sa, and a 'Water every' section with a 'day(s)' input. Below these are 'Enter the Cycle Start Times' sections with four numbered inputs (1-4) for each program. The main table has columns for 'Zone', 'LOCATION/ TYPE /IRRIGATION TYPE', 'GPM', and then columns for each program: 'x Minutes per Cycle', 'x Cycles per Day', 'x Days per Week', and '= Gallons per Week'. The bottom of the table shows summary rows for 'Program A - Gallons Per Week', 'Program B - Gallons Per Week', 'Program C - Gallons Per Week', 'Total Gallons Per Week', 'Divide Total by Seven Days', and 'Equals Average Gallons per Day'. A large white callout box with the text 'Click "Sign In"' is overlaid on the table area.

Zone	LOCATION/ TYPE /IRRIGATION TYPE	GPM	Program A				Program B				Program C			
			x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week	x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week	x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week
1														
2														
3														
4														
5														
6														
7														
8														
9														
10														
11														
12														
13														
14														
15														
16														
Program A - Gallons Per Week			0.00				Program B - Gallons Per Week				0.00			
Program C - Gallons Per Week							0.00							
Program B - Gallons Per Week							0.00							
Program A - Gallons Per Week			0.00											
Total Gallons Per Week											0.00			
Divide Total by Seven Days											/7			
Equals Average Gallons per Day											0.00			

It is the customer's responsibility to monitor consumption and to make periodic changes to irrigation controller settings.

Click “Sign In” if you want to be able to use your schedule in the future without having to re-enter station and gallons per minute (GPM) information. You won't be able to save your information if you don't sign in.

## Step 2 – Choose a login



The screenshot shows a web browser window with a form. The form has a label "email:" followed by a text input field containing "WaterSavingHero" and a "Submit" button. A callout box with a black border and white background is positioned below the form, containing instructions. The browser's status bar at the bottom shows "Done", "Internet", and "100%".

email:

Enter a login name here and click the “Submit” button. Remember your login so you can retrieve saved information. No one at the CONTRA COSTA WATER DISTRICT will have your login and we won’t be able to reset it for you. Just type your login and click “Submit” to login and view or change your information.

Enter a login name and click the “Submit” button.

---

## Step 3 – Select number of rows and start entering data

**Controller Programming Worksheet**  
The Controller Programming Worksheet is a tool to estimate irrigation system water use.

Select the Days to Water:  Su  M  T  W  Th  F  Sa

Water every \_\_\_\_\_ day(s)

Enter the Cycle Start Times: 1- \_\_\_\_\_ 2- \_\_\_\_\_ 3- \_\_\_\_\_ 4- \_\_\_\_\_

Zone	LOCATION/TYPE/IRRIGATION TYPE	GPM	x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week	x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week
1	Front Lawn	18.7		0	0	0		0	0	0
2	Side Lawn	10.7		0	0	0		0	0	0
3	Front Shrubs	11.5		0	0	0		0	0	0
4	Back Lawn	15.5		0	0	0		0	0	0
5	Back Lawn	16.0		0	0	0		0	0	0
6	Back Shrubs	9.8		0	0	0		0	0	0
7	Citrus Trees (drip)	5.4		0	0	0		0	0	0
8	Veggie Garden (drip)	6.7		0	0	0		0	0	0
9				0	0	0		0	0	0
10				0	0	0		0	0	0
11				0	0	0		0	0	0
12				0	0	0		0	0	0
13				0	0	0		0	0	0
14				0	0	0		0	0	0
15				0	0	0		0	0	0
16				0	0	0		0	0	0

Program A - Gallons Per Week: 0.00  
Program B - Gallons Per Week: 0.00  
Program C - Gallons Per Week: 0.00  
Total Gallons Per Week: 0.00  
Divide Total by Seven Days: /7  
Equals Average Gallons per Day: 0.00

It is the customer's responsibility to monitor consumption and to make periodic changes to irrigation controller settings.

Number of Rows: 16

Select up to 36 rows for 36 stations. Default is 16 rows for 16 stations.

Enter GPM data from the existing or proposed irrigation schedule you received at your water use survey. Call 925-688-8320 to schedule a water use survey.

Enter station information in this column.

Choose the number of rows you need for your spreadsheet. The number of rows equals the number of stations you will be able to input. The choices are 16, 24, 32, or 36 rows/stations.

Enter the information for each station and its GPM. You can get the GPM for each station from the Existing or Proposed Irrigation Schedule(s) left with you during your water use survey. You didn't have a survey? Call our office at 925-688-8320 to schedule one, or "click here" to submit an e-mail request.

## Step 3, cont'd – keep entering data

Contra Costa Water District - Landscape Water Usag...

Controller Programming Worksheet

The Controller Programming Worksheet is a tool to estimate irrigation system water use.

Program A Program B Program C

Select the Days to Water  Su  M  T  W  Th  F  Sa

Water every 5 days

Enter the Cycle Start Times

Zone	LOCATION/ TYPE /IRRIGATION TYPE	GPM	Enter the Cycle Start Times				= Gallons per Week
			1- 1:00 am x Minutes per Cycle	2- 2:00 am Cycles per Day	3- 3:00 am x Days per Week	4- per Week	
1	Front Lawn	18.7	4	3	1.40	314.16	
2	Side Lawn	10.7	4	3	1.40	179.76	
3	Front Shrubs	11.5		0		0	
4	Back Lawn	15.5	4	3		260.40	
5	Back Lawn	16.0		3		298.80	
6	Back Shrubs	9.8		0		0	
7	Citrus Trees (drip)	5.4		0		0	
8	Veggie Garden (drip)	6.7		0		0	
9							
10							
11							
12							
13							
14							
15							

FOR EACH PROGRAM: Choose either the specific days to water, or use an interval schedule if your controller has this feature. For example, interval watering would allow you to water every other, third, fourth, fifth day, etc.

FOR EACH PROGRAM: Enter the number of minutes run time for the station(s) you want to come on with that program.

FOR EACH PROGRAM: Enter each start time your system will come on. We recommend cycle watering, which takes one 15 minute watering and breaks it up into three five minute waterings. Select up to 36 rows for 36 stations. Default is 16 rows for 16 stations.

Internet 100%



# Step 4 – Save Your Data

**Controller Programming Worksheet**  
 The Controller Programming Worksheet is a tool to estimate irrigation system water use.

Logout | Save | Create New | Delete This Record | View My Saved | Number of Rows: 16

Zone	LOCATION/ TYPE /IRRIGATION TYPE	GPM	Program A				Program B				Program C			
			x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week	x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week	x Minutes per Cycle	x Cycles per Day	x Days per Week	= Gallons per Week
1	Front Lawn	18.7	4	3	1.40	0	0	0	0	0	0	0	0	
2	Side Lawn	10.7	4	3		0	0	0	0	0	0	0	0	
3	Front Shrubs	11.5		0		4	3	1.00	138.00	0	0	0	0	
4	Back Lawn	15.5	4			0	0	0	0	0	0	0	0	
5	Back Lawn					0	0	0	0	0	0	0	0	
6	Back Shrubs					0	0	0	0	0	0	0	0	
7	Citrus Trees (drip)					15	3	1.00	243.00	0	0	0	0	
8	Veggie Garden (drip)						0	0	0	20	1	2.33	312.67	
9							0	0	0	0	0	0	0	
10							0	0	0	0	0	0	0	
11							0	0	0	0	0	0	0	
12							0	0	0	0	0	0	0	
13							0	0	0	0	0	0	0	
14							0	0	0	0	0	0	0	
15							0	0	0	0	0	0	0	
16							0	0	0	0	0	0	0	
Program A - Gallons Per Week			1023.12				Program B - Gallons Per Week				381.00			
Program B - Gallons Per Week											381.00			
Program A - Gallons Per Week			1023.12											
Total Gallons Per Week											1716.79			
Divide Total by Seven Days											/7			
Equals Average Gallons per Day											245.28			

It is the customer's responsibility to monitor consumption and to make periodic changes to irrigation controller settings.

This screen will display the date and time that your information was saved. Additional dates will display every time you click the save button when updating or adding information.

## **Step 5 – Using The Information From The Spreadsheet**

This tool is useful when updating your irrigation schedule because it lets you compare your irrigation consumption to your overall water budget, thus verifying that your irrigation program does not cause you to exceed your water budget and incur excess use charges. It is still important that customers read their meters to track their actual consumption.

Ideally, customers will use this tool when their water budget changes every two months and they need to change their irrigation schedule. Look at the Proposed Irrigation Schedule provided during the water use survey. It indicates either the “interval” or “number of days per week” to water per month for each program on your controller.