

FACT SHEFT - WATER USE BENCHMARKING

Introduction

Energy use in buildings accounts for about 80% of GHG emissions in Cambridge, with two-thirds of the total related to commercial, institutional, and large multifamily buildings. The Building Energy Use Disclosure Ordinance (BEUDO), enacted by the Cambridge City Council on July 28, 2014, is a key step in efforts to reduce Cambridge's greenhouse gas (GHG) emissions. For more information, visit the Cambridge Building Energy Use Disclosure Ordinance website, linked here.

As part of this process, Cambridge requires building owners to benchmark their energy use and water use. The data will help Cambridge buildings improve efficiency of water use, as well as provide the information for the City of Cambridge to help develop programs pertaining to water use.

Follow the steps below to correctly benchmark a property's water data to an account in U.S. Environmental Protection Agency (EPA)'s Portfolio Manager®:

Accessing information from the Cambridge Water Department Website

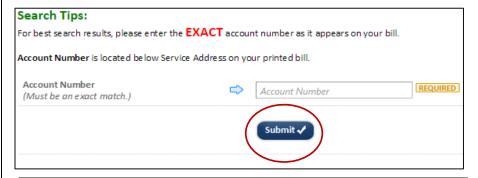
Step 1:

Access Cambridge's on-line water payment system by clicking this link.

Use the account number provided by your utility to sign in.

Step 2:

In the list of bills that are generated, click on "View" for the last four bills (representing billing information from the last four quarters).



Due Date	Bill Total	Balance Due	Bill Year	View
1/16/2014	\$4,927.39	\$0.00	2014	View
4/14/2014	\$4,367.62	\$0.00	2014	View
7/16/2014	\$4,772.56	\$0.00	2014	View
10/15/2014	\$4,620.84	\$0.00	2015	View
1/14/2015	\$7,735.56	\$0.00	2015	View

In order to comply with BEUDO, water data needs to cover the entire 12-month period between January 1, 2018 and December 31, 2018. So, you end up needing bills that cover part of the end of 2017 and beginning of 2019, as the bills from the Water Department are invoiced quarterly and do not fit the exact January 1-December 31 parameters.



Step 3:

Collect water bill usage details in columns titled "Usage" and "Total Due" for the bills that cover the entire 2018 12-month period.

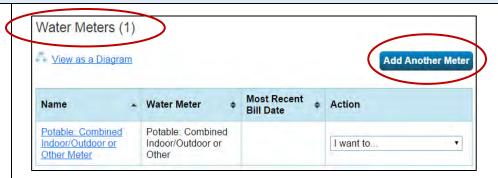
Curren Read Da		Current Meter Reading	Previous Meter Reading	Read Code*	Usage	Charge
11/30/20	13 08/31/2013	556	509	А	47	384.93 141.94
Adjusts Interest 0.00		Current Charges 526.87			Total Due \$526.87	

Your bill, by default, shows consumption in 100 cubic feet (ccf) units; Portfolio Manager accepts this unit so you do not have to make any conversions. Simply note the ccf usage and costs in order to later enter into Portfolio Manager.

Entering Water Data into Portfolio Manager

Step 4:

For each building, in the "Meters" tab in Portfolio Manager, go to the "Water Meters" section, and click on "Add Another Meter"



Step 5:

Select the appropriate options that apply to your property and click "Get Started"

In this example, we are indicating to Portfolio Manager that our test property has 1 Municipally Supplied Potable Water Meter that caters to both indoor and outdoor facilities at this property.

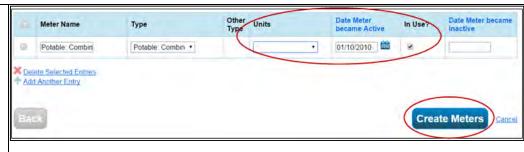




Step 6:

Click anywhere on the table to make edits. Under the "Units" column, choose "ccf (hundred cubic feet)" from the drop-down menu.

Then, choose the appropriate date under "Date Meter became Active" column.



(Hint: You could also type in MM/DD/YYYY format if you don't wish to toggle through the calendar that pops up) Click the box under "In Use?" if appropriate. Finally, click on "Create Meters"!

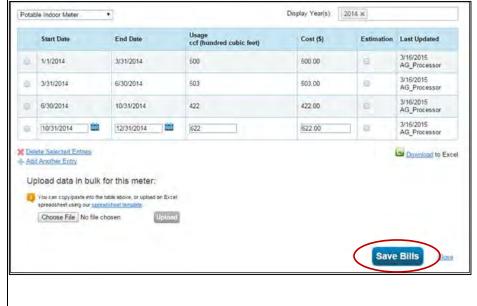
Step 7 (final step):

Take the water meter readings you had noted from the Cambridge Water Department website, and add them into this table. Ensure that the end date of each billing period coincides with the start date of the next billing period. Ensure the billing dates exactly match the dates as shown on your City of Cambridge Water Bill.

You must provide at least 12 months of water consumption data

Click "Save Bills" once you've inputted all the necessary information.

Congratulations, you have successfully benchmarked your water data!



Contact Information

The City of Cambridge is providing a help desk to assist building owners and their agents in complying with the ordinance; the help desk is operated by ICF. Questions related to benchmarking in Portfolio Manager, or accessing energy data and building attribute information can be directed to the help desk by contacting:

- energyhelpdesk@cambridgema.gov
- (617) 250-4205

