

Extra Credit – Billing Data Analytics

- Timeframe for the data requested unless noted otherwise: Fiscal 17/18 or Calendar 2017 plus 2 months on the front and back end (so 16 months total).

In the scope of this program, Cavanaugh may perform an analysis of the completeness, consistency, and integrity of your billing database. In order to perform this analysis, we will need to receive raw billing data or meter read data in a specific format.

We will need data in a single file in **.csv format** with a **single record for each bill**.

Each record should include the following fields (variables), if you have them available.

REQUESTED BILLING DATA FIELDS		
1	Location ID	<i>a unique identifier for a parcel or service connection in the water system, similar to an address</i>
2	Customer ID	<i>a unique identifier for a customer at a given location</i>
3	Meter ID	<i>a unique identifier for a meter at a given location</i>
4	Meter Size	<i>indication of meter size</i>
5	Meter Installation Date	<i>The installation date for the meter body, ideally including meters that have been replaced.</i>
6	Meter Total Lifetime Throughput	<i>The total volume of water that has passed through the meter, accounting for meter rollovers.</i>
7	Service or Account Type	<i>identifying fields that indicate what type of service is provided (e.g. "residential")</i>
8	Read Date	<i>the date on which the meter was read</i>
9	Previous Read Date	<i>the date on which the meter was last read</i>
10	Read Volume	<i>the raw totalizer volume from the meter on the read date</i>
11	Previous Read Volume	<i>the raw totalizer volume from the meter on the previous read date</i>
12	Units	<i>the units that the read volumes are recorded in</i>
13	Billed Consumption	<i>the actual volume the customer was billed for during the billing period</i>
14	Adjustment or Estimate Flags	<i>any flags that indicate the billed consumption was adjusted or estimated during the billing period.</i>