**convert\_units**

Pretty simple just running preset arithmetic conversions

**allocate\_consumption**

Just to confirm: if you have two widths then there are three tiers (i.e. t1 – width1 – t2 – width2 – t3)?

**calculate\_bill**

Are you adding more columns or are all the rate and charge columns already in the data frames?

**compare\_bills**

This appears to be partially calculate\_bill twice. could you rewrite calculate bill to have the input of “\_current” vs “\_projected”? then you could use that function twice in this function.

In your example, bill\_prime == bill\_proposed. Presumably that is not normal?