12/18/20

Plant.csv:["plant\_id","bus\_id","Pg","status","Pmax","Pmin","ramp\_30","type"]

"plant\_id": Column “Plant” + “Name” + ”ZIP” of General\_Units.csv

“bus\_id”: I’m looking for a quicker way to find the nearest sub, at present it will cost too much time, so I’m using ZIP instead. I will update a new version later.

Status: Only status “OP” are used

Pmax: It is the minimum value of winter and summer capacity of General\_Units.csv

Pmin: It is the minimum load of EIA860, or Generator\_Y2019.csv

Type: It is the type column of General\_Units.csv

Gencost.csv:["plant\_id","type","n","c2","c1","c0"]

"plant\_id": Column “Plant” + “Name” + ”ZIP” of General\_Units.csv

Type: It is the type column of General\_Units.csv

At present I still have a problem: To go through subs and calculate the distance between plants and subs will cost too much time. I have found a way to combine zip and load to improve the efficiency, but still need time to test. I will update the code tonight.