How to connect interface to program

Outputs of the interface: **for a year**

The numbers correspond to the documentation\_order in M1\_Forcast in Code Blocks

1: pick data data form xlsx file from carousel (energy profile of carousel, & nameplate capacity)-panda pick up data. [excel file by site?]

Weather profile by location

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Wind profile | Gas profile | Batt profile | Solar profile | Nameplate MWh |

Solar include 5% degradation every year or every other year

\*\*add upload button for excel file in user interface

2. Just pick up the value output

#2 \* NP = Transmission line new capacity

* Gap = Transmission line new capacity-Existing MWh (this will produce an array of [1,2..8760] additional energy needed

3. Pick up the value (\* let's start with 1 yr & if we have time we can make it functional)

4. Pick up the value (\* let's start with 1 yr (1) & if we have time we can make it functional)

5. pick data data from xlsx file -panda pick up data (currently panda pick up data from economic analysis xlsx)

6. pick data data from xlsx file -panda pick up data

7. Pick up value from interphase and restrict M2 to work with these options

**Ex:** if selected wind - solar & wind - solar - batteries:

Solar forecast (energy profile)

Battery forecast (by nameplate)