



Technical Challenge

Habitat Energy submit their batteries into ancillary services called Dynamic Frequency Response (DFR) each day. The services operate as an auction where you submit what service you are willing to deliver and for what price. You then find out if you are accepted or not for each offer made.

The results of the auction can be seen on a National Grid ESO data page:

https://www.nationalgrideso.com/data-portal/eac-auction-results/eac_eso_results_by_unit_2023-2024

There is an API for this data:

https://api.nationalgrideso.com/api/3/action/datastore_search?resource_id=a63ab354-7e68-44c2-ad96-c6f920c30e85

Your task is to write Python code that reads the auction result (via the API) and saves Habitat's results for the current day to a local database. The data model and database you use is up to you. Also, this may not be the only data we get from ESO so think about your code structure.

To complete the task, we must be able to run your code and see that it works. Try not to make any assumptions about the operating system. Please add documentation to explain how it works.

Try not to spend more than 3 hours on this task. If the task is going to take you longer than 3 hours, please send us what you have and write in the documentation what you would do next.

Please send us your code as a compressed archive e.g. zip, tar.gz, tar.bzip2, etc.

Happy coding
Habitat Energy Tech Team