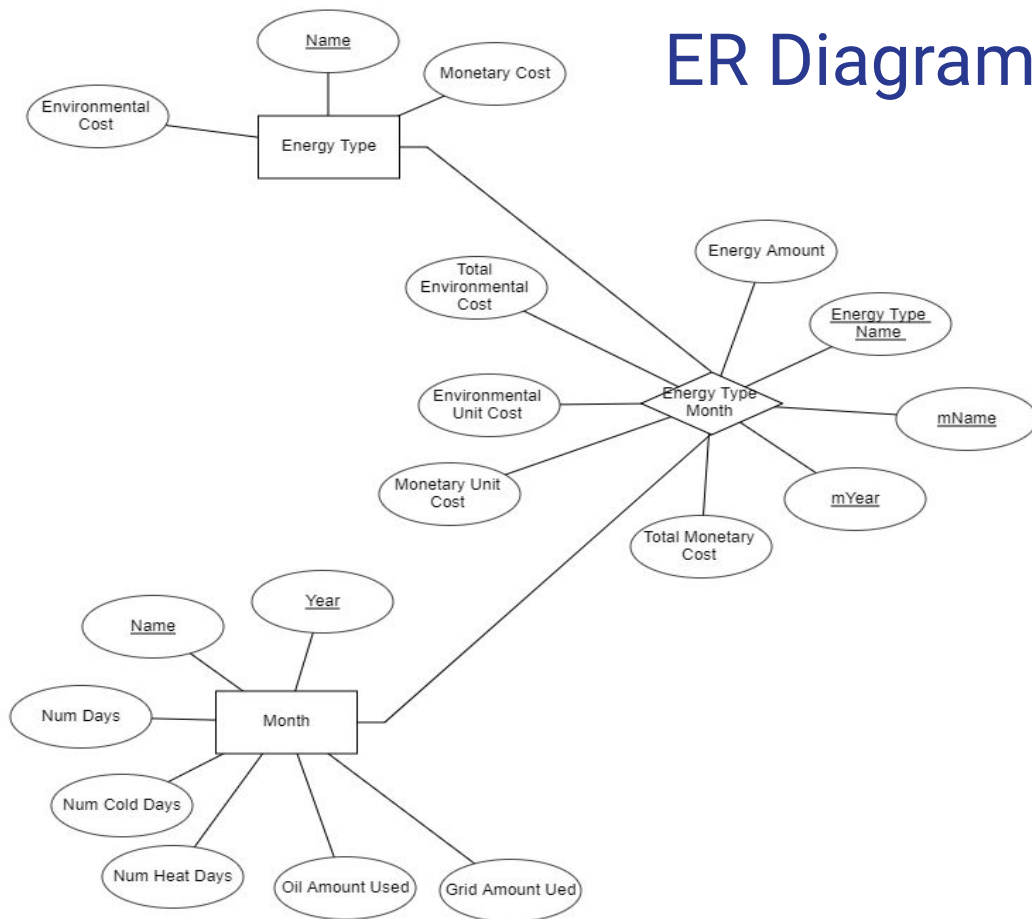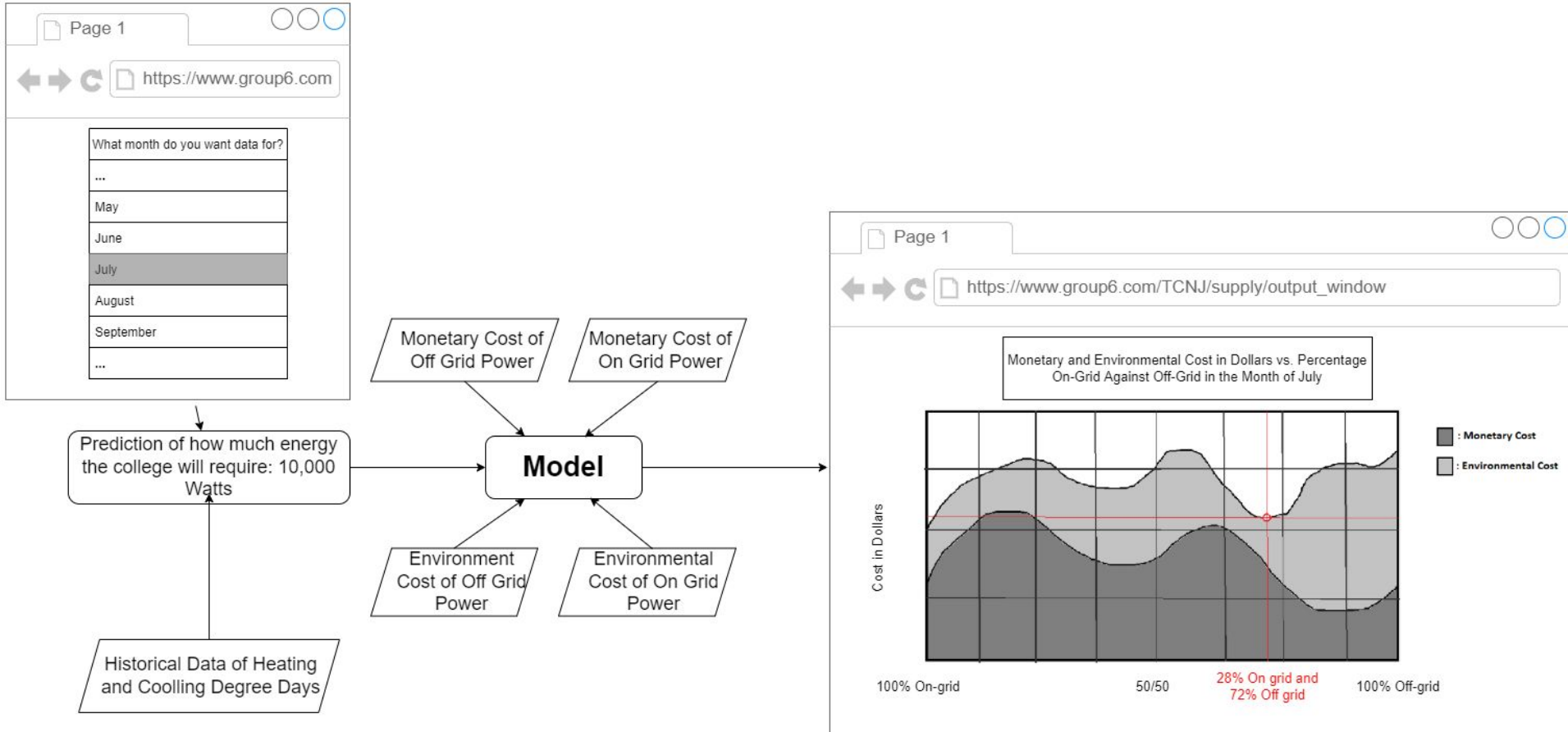# Mid-Semester Presentation

By Group 6

ER Diagram:

Use Case Diagram:

Relational Schema:

Energy Type

Name	Monotary Cost	Environmental Cost

Month

Name	Year	Grid Amount Used	Oil Amount Used	Num Heat Days	Num Cool Days	Num Days

EnergyType Month

Mname	Myear	Energy Type Name	Energy Amount	Monotary Unit Cost	Total Monetary Cost	Environmental Unit Cost	Total Environmental Cost

Possible Queries:

- Display historical data by month.

- Display power usage graphs.

- Display On-grid vs Off-grid Usage.

- Display Environmental costs.

- Display Monetary costs.

Estimations

- There is currently 12 months of data from the excel spreadsheet we are pulling from. Each month has info for off-grid and on-grid power. So the historical data relations would have around 50 entries. If more data was entered, there could conceivably be 100s if not 1000s of entries.
- There will be 2 to 3 searches associated with each query, and we expect around 1 person to be querying the database at a given time

Thank You!