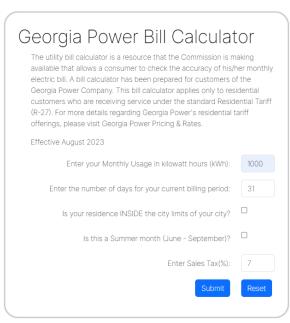
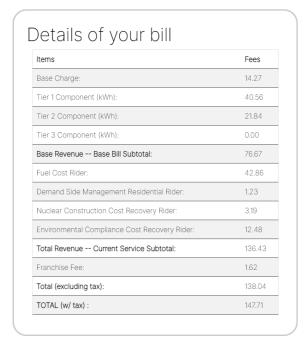
Assignment 5 Name_____Aharon Nesbitt_____

- 1. Your target for this assignment is to create Georgia Power Bill calculator that lets the user enters the monthly usage, and then calculate the monthly power bill.
- 2. Here are grading rubrics/specifications for BMI calculator.
 - Name your file powerbill.html

In the assignment section of your index.html document, create a link which links to this document "powerbill.html".

Create the interface similar to the following screenshot.







JavaScript function that read inputs and calculate the monthly bill amount.

Read inputs --- Monthly Usage, Days for the bill, inside city or not, Summer or Winter, Taxrate Convert input(Monthly Usage/Days/Tax) to float type.

Follow the following steps to perform the calculations.

Base Charge: 46.03¢/day

Tier 1,2,3 Charge:

Summer Rate Schedule

TierUsage Cost per kWh 1st tier up to 650kWh \$ 0.066678 2nd tier next 350kWh \$ 0.110748 3rd tier over 1000kWh \$ 0.114625

Winter Rate Schedule

TierUsage Cost per kWh 1st tier up to 650kWh \$ 0.062404 2nd tier next 350kWh \$ 0.062404 3rd tier over 1000kWh \$ 0.062404

- Base Revenue Base Bill Sub total = base charge + tie1 + tie2 + tie 3
- Fuel Cost Rider:

June - Sept. Oct. - May

Cost Per kWh \$ 0.045876 \$ 0.042859

Demand Side Management Residential Rider
% of Base Revenue
1.5989%

Nuclear Construction Cost Recovery Rider

% of Base Revenue 4.1562%

Environmental Compliance Cost Recovery Rider
% of Base Revenue 16.2813%

- Total Revenue = Base Revenue + Fuel Cost + Demand Side Management + Nuclear Cost Recovery+ Environmental Compliance
- Franchise Fee

Inside City Limits Outside City Limits % of Total Revenue 3.0674% 1.1839%

• Total (before tax) = Total Revenue + Franchise Fee

Display all the required values. Keep two decimal places.

Open a new page https://www.georgiapower.com/residential/save-money-and-energy/products-programs.html if the total bill is over \$500.

Before you submit your file, be sure to check this checklist.

X To submit:

- Upload your files to GitHub.
- Please turn in this page with items checked to instructor on due date.