1. Name
2. Home Energy audit findings
3. In my home energy audit I found that my family uses \_\_\_\_
4. Our top five energy uses are:

1) From greatest to least (\_\_\_\_kWh / day)

2)

3)

4)

5)

5) In order to meet the City’s goal of a 30% reduction in use my family needs to cut \_\_\_\_kWh / day.

6) To meet the 30% goal, my family has agreed to……(describe in words - include specific times, changes in habits, etc.)

7) Figure 1. Itemized list of saving.

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Current Use (kWh)** | **Proposed Use (kWh)** | **Savings** **(kWh)** |
| Insert rows as needed to accommodate changes |  |  |  |
|  |  |  |  |
| **Total Saving** |  |  |  |

8) Our family’s total reduction will be \_\_\_\_\_ kWh/ day. This is a \_\_\_\_\_\_% reduction, which is \_\_\_\_% of our goal.

  *To find % savings ( savings / current use) x 100*

 *To find % of goal (proposed savings / savings goal) x 100*

9) Obstacles that I faced during the home energy audit include…..

10) Potential errors in my data…..

11) The most important thing that I learned during this process…..

**EXAMPLE**

Ms. Armstrong

Home Energy Audit Findings

In my home energy audit I found that my family uses approximately 19.8 kWh per day.

Our top five energy uses are:

1. Space heater (3.6 kWh / day)
2. Daiken mini split - living room (3.28 kWh/ day)
3. Daiken mini split - guest room (3.28 kWh/ day)
4. Electric water heater (3 kWh / day)
5. Clothes dryer (1.6 kWh/ day)

In order to meet the City’s goal of 30% reduction in use, my family need to cut approximately 5.9 kWh per day.

To meet the 30% goal, my family has agreed to: minimize use of the toaster oven by using the griddle on the oven when appropriate; unplug all phone charges when not in use; turn off the kitchen lights when noone is in the room (a potential of one hour per day reduction); reduce under counter lighting use to cooking and eating time (a one hour reduction); reduce the time that the laundry dryer is on by consolidating laundry loads to create one dryer load and one hanging load; reduce television time to two hours a day; turn off the front porch light when we get get home instead right before bed (cuts three hours a day on average); and unplug the laptop when not in use.

 Figure 1. Itemized list of saving.

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Current Use (kWh)** | **Proposed Use (kWh)** | **Savings** **(kWh)** |
| Toaster oven | 0.084 | 0.042 |  |
| Phone charger - kitchen | 0.0023 | 0 | 0.0023 |
| Phone charger - bedroom | 0.192 | 0 | 0.192 |
| Overhead LED can lights - kitchen | 0.112 | 0.084 | 0.028 |
| Under counter lights - kitchen | 0.028 | 0.014 | 0.014 |
| Dryer | 1.6 | 0.8 | 0.8 |
| Front porch light | 0.1 | 0.025 | 0.075 |
| Television | 0.18 | 0.12 | 0.06 |
| Samsung sound bar | 0.225 | 0.15 | 0.075 |
| Laptop | 0.23 | 0 | 0.23 |
| **Total Saving** |  |  | **1.47 kWh** |

Our family’s total reduction will be approximately 1.47 kWh/ day. This is a 7 % reduction, which

is 24.9% of our goal.

Obstacles that I faced during the home energy audit included..

Potential errors in my data…..

The most important thing that I learned during this process…..