# Table of Contents

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**Utility Allowance Update Report**

**Forms HUD-52667**

**Electric and Water Allowance Detail**

**Natural Gas Allowance Detail**
Housing Choice Voucher Utility Allowances

For the Hawaii Public Housing Authority

March 17, 2020

Introduction

The Hawaii Public Housing Authority (HPHA) contracted with National Facility Consultants, Inc. (NFC) to update allowances for tenant-purchased utilities for units under the U. S. Department of HUD’s Section 8 Housing Choice Voucher program. NFC has assisted the HPHA with the development and update of utility allowances for the Low-Income Public Housing Program and we utilized a similar approach to develop the Section 8 allowances.

The Section 8 allowances were developed in accordance with the requirements set forth at 24 CFR Part 982.517 Utility Allowance Schedule utilizing the methodology employed by the HPHA under the Public Housing Program regarding the application of rates and associated adjustments. Allowances were established for each type of housing to reflect the actual reasonable utility consumption for an energy conservative household.

Allowances for each type of housing are provided on Form HUD-52667 under the next tab. The backup calculations are provided under the tab for each type of housing. Note that only the allowances for the applicable tenant-paid utility and actual equipment are to be provided. The base charge for electrical service is included under the Other Electric category, which should be provided to all participants unless all utilities are paid by the owner.

Methodology and Assumptions

As indicated above, the allowances were developed in accordance with the regulations set forth at 24 CFR Part 982.517, which require PHAs to establish utility allowances must be determined based on the typical
cost of utilities and services paid by energy-conservative households that occupy housing of similar size and type in the same locality. As a result, no allowance is provided for heat or air-conditioning, as these are not customary in the locality.

The allowances for each housing type are based upon the customary construction type and equipment for the locality. Since NFC developed the site-based allowances for the Public Housing program, that information was utilized to determine the expected equipment in Section 8 rental units.

Allowances were developed for the following usages:

➤ Allowances were developed for lighting based upon the prevalent fixtures utilized in the locality. The wattage of bulbs was multiplied by an estimate of the daily usage and then converted to a monthly usage. Since incandescent bulbs are no longer produced after January 1, 2014; any lamps that were included in the calculation (as a result of a room not having fixed fixtures) or any fixture that would have a standard base were assumed to have a 13-watt Compact Fluorescent Light (CFL) bulb. As technology progresses, this may be changed to a 9-watt LED bulb in the future.

➤ Miscellaneous small appliance usage was estimated based upon the regulatory standard of an energy-conservative household of modest circumstances. Allowances were provided for clocks, coffee makers, computers, computer monitors, fans, hair dryers, irons, microwave ovens, radios, smoke detectors, telephones, and televisions and were adjusted, as reasonably needed, for the size of the unit and number of occupants. The estimated watts per appliance were multiplied by the hours of daily use and converted to a total monthly usage estimate. It should be noted that the list of items is not intended to be exact; rather, it is intended to reflect an estimate of usage based upon the standard. For example, an individual household may not use a computer, but may use a gaming system instead and the allowance is intended to cover that usage. It is not intended to include the usage of excessive equipment beyond the standard.

➤ Usage for a refrigerator is provided as a non Energy-Star, frost-free model that utilizes a total of 600 kWh per year.

➤ An allowance for cooking was established for efficiency to two-bedroom units and then for three bedroom to five bedroom units to adjust for extensive changes in numbers of occupants.
An allowance for water heating was established for each unit size based upon the maximum number of occupants in a unit in accordance with the Authority’s occupancy standards as stated in the Administrative Plan. In addition, a more accurate estimate of the inlet water temperature was utilized; therefore, there was a decrease in the consumption for this category.

An allowance for solar water heating was established for each unit size based upon the number of occupants. Staff should verify that the solar system is in good repair prior to applying that allowance.

Allowances were also developed for the cost of various types of medical equipment in accordance with the requirements under Section 504 of the Housing and Redevelopment Act. As the Authority grants reasonable accommodation for the various allowances, they should be provided to the resident accordingly. These medical allowances are presented for each housing type under the applicable tab.

Water and sewer allowances were developed based on the expected usage of an energy-conservative household. It was assumed that the maximum number of occupants (based on occupancy standards) is in the household to provide a “worst-case” scenario.

Rates were collected for each applicable utility for each type of property. All rate schedules were verified and any adjustments to rates were collected for the year period from January 1, 2019 through December 31, 2019. This is consistent with the approach utilized by the HPHA for the Public Housing program where adjustments that fluctuate every month are averaged over the preceding year. It should be noted that in cases where utility companies were granted an increase in their base rates by regulatory authorities, the monthly energy cost adjustments were reduced by the amount of the increase for the months prior to the effective date of the increase in order to prevent over compensation.

Where rate schedules are graduated with increased rates are in effect for higher usage, the entire first two tiers were averaged to formulate a weighted average rate for the resident. Since all of the total consumption allowances are above the total for the consumption of the first tier yet below the consumption of the first two tiers combined, this is also to the benefit of the participant.

For water and sewer rates, the “single-family” rate set to take effect July 1, 2020 was utilized for all types of housing based on information provided by the Board of Water Supply. The Board representative
indicated that the multifamily rate is only used when the bill includes multiple units and that the single-family rate is used for an individual bill, regardless of the actual type of housing. Since a participant would not be provided the allowance if it were paid by the building owner, the multifamily rate was not utilized.

**ALLOWANCES FOR THE PURCHASE OF REFRIGERATORS AND STOVES**

In accordance with HUD regulations, the cost of purchasing a refrigerator or stove is also included in the allowance. For refrigerators, a purchase price of $700 was assumed and that amount was amortized over a five-year period at an interest rate of 26%. For stoves, a purchase price of $450 was assumed and that amount was also amortized over a five-year period at an interest rate of 26%. The prices are based upon the Home Depot price for a base GE appliance. The interest rates are based upon that charged on a Home Depot credit account.
The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

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Actual Family Allowances – May be used by the family to compute allowance while searching for a unit.

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Head of Household Name

Unit Address

Number of Bedrooms

Previous versions are obsolete.
The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

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Head of Household Name

Unit Address

Number of Bedrooms
The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

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</tr>
</tbody>
</table>

Actual Family Allowances – May be used by the family to compute allowance while searching for a unit.

<table>
<thead>
<tr>
<th>Utility/Service/Appliance</th>
<th>Allowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Heating</td>
<td></td>
</tr>
<tr>
<td>Cooking</td>
<td></td>
</tr>
<tr>
<td>Other Electric</td>
<td></td>
</tr>
<tr>
<td>Air Conditioning</td>
<td></td>
</tr>
<tr>
<td>Water Heating</td>
<td></td>
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<tr>
<td>Water</td>
<td></td>
</tr>
<tr>
<td>Sewer</td>
<td></td>
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<tr>
<td>Trash Collection</td>
<td></td>
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<tr>
<td>Other</td>
<td></td>
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<tr>
<td>Range/Microwave</td>
<td></td>
</tr>
<tr>
<td>Refrigerator</td>
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<tr>
<td>Total</td>
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</table>
The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

<table>
<thead>
<tr>
<th>Utility or Service</th>
<th>Fuel Type</th>
<th>0 BR</th>
<th>1 BR</th>
<th>2 BR</th>
<th>3 BR</th>
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</tbody>
</table>

Actual Family Allowances – May be used by the family to compute allowance while searching for a unit.

Head of Household Name

Unit Address

Number of Bedrooms

Utility/Service/Appliance | Allowance
-------------------------|---------
Heating                  |         
Cooking                  |         
Other Electric           |         
Air Conditioning         |         
Water Heating            |         
Water                    |         
Sewer                    |         
Trash Collection         |         
Other                    |         
Range/Microwave           |         
Refrigerator             |         
Total                    |         

Previous versions are obsolete.
The following allowances are used to determine the total cost of tenant-furnished utilities and appliances.

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<thead>
<tr>
<th>Utility or Service</th>
<th>Fuel Type</th>
<th>0 BR</th>
<th>1 BR</th>
<th>2 BR</th>
<th>3 BR</th>
<th>4 BR</th>
<th>5 BR</th>
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</table>

*Actual Family Allowances* – May be used by the family to compute allowance while searching for a unit.

<table>
<thead>
<tr>
<th>Utility/Service/Appliance</th>
<th>Allowance</th>
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</thead>
<tbody>
<tr>
<td>Heating</td>
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<tr>
<td>Cooking</td>
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<tr>
<td>Other Electric</td>
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<td>Range/Microwave</td>
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<td>Refrigerator</td>
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<tr>
<td>Total</td>
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</tr>
</tbody>
</table>

Previous versions are obsolete.
ELECTRIC/WATER ALLOWANCE DETAIL
# 2020 Rate Calculation Form

Hawaii Public Housing Authority

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

## Average Residential DSM Adjustments (per kWh)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>January-19</td>
<td>$0.000203</td>
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<td>$0.000133</td>
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<td>February-19</td>
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<td>$0.000000</td>
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<tr>
<td>March-19</td>
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<td>$0.000000</td>
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<tr>
<td>April-19</td>
<td>$0.000000</td>
<td>October-19</td>
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<tr>
<td>May-19</td>
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<tr>
<td>June-19</td>
<td>$0.000133</td>
<td>December-19</td>
<td>$0.000000</td>
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</table>

**Average Adjustment** $0.000050

## Average Energy Cost Adjustment Factors (per kWh)

<table>
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<th>Amount</th>
<th>Month</th>
<th>Amount</th>
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</thead>
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**Average Adjustment** $0.13672

## IRP Cost Recovery Provision

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<td>June-19</td>
<td>0.000%</td>
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**Average Adjustment** 0.000%
2020 Rate Calculation Form

Hawaii Public Housing Authority

Property Description: Single Family
Utility Type: Electric
Utility Provider: HECO

Rate Adjustment

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<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
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<tr>
<td>January-19</td>
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<td>June-19</td>
<td>0.000%</td>
<td>December-19</td>
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Average Adjustment 0.000%

Summary of Rate Schedule -- Schedule "R"

Monthly Customer Base Charge*: $12.67

Non-Fuel Energy Charge**: $0.114983

Base Fuel/Energy Charge: $0.000000

IRP Cost Recovery Provision (Applies to Above 3 Charges): 0.000%

Rate Adjustment (Applies to Above 3 Charges): 0.000%

Average Residential DSM Adjustments: $0.000050

Average Energy Cost Adjustment Factors: $0.13672

PB Surcharge/Avg Purch Power Adj/RBA Rate Adj/RE Surcharge/DR Adj: $0.039436

* Includes Green Infrastructure Fee Surcharge
** Rate is a weighted average of the first and second tiers of the graduated schedule
# 2020 Utility Allowances

Hawaii Public Housing Authority

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

## Consumption Allowances (kWh per Month)

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* Distribution by bedroom size based on number of occupants

## Cost Allowances ($ per Month)

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</table>

**Total Basic Includes Monthly Customer Base Charge. This is the amount for Other Electric.
# Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 0

<table>
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<tr>
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<th>Number of Fixtures</th>
<th>Watts per Fixture</th>
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## Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

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## Lighting Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

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## Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

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# Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:** Single Family  
**Utility Type:** Electric  
**Utility Provider:** HECO

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<td>32</td>
</tr>
<tr>
<td>Smoke Detector</td>
<td>2</td>
<td>2</td>
<td>24.0</td>
<td>2.9</td>
<td>35</td>
</tr>
<tr>
<td>Telephone</td>
<td>1</td>
<td>6</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
</tr>
<tr>
<td>Television</td>
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<td>100</td>
<td>4.0</td>
<td>12.0</td>
<td>144</td>
</tr>
</tbody>
</table>

### Number of Bedrooms: 3

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Number of Appliances</th>
<th>Watts per Appliance</th>
<th>Hours per Day</th>
<th>kWh per Month</th>
<th>kWh per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clocks</td>
<td>3</td>
<td>2</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
</tr>
<tr>
<td>Coffee Maker</td>
<td>1</td>
<td>1000</td>
<td>0.2</td>
<td>5.1</td>
<td>61</td>
</tr>
<tr>
<td>Computer, Desktop</td>
<td>1</td>
<td>65</td>
<td>2.0</td>
<td>3.9</td>
<td>47</td>
</tr>
<tr>
<td>Computer Monitor, 15&quot;</td>
<td>1</td>
<td>35</td>
<td>4.0</td>
<td>4.2</td>
<td>50</td>
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<tr>
<td>Fan</td>
<td>2</td>
<td>60</td>
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<td>14.4</td>
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<td>1200</td>
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<td>1100</td>
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<tr>
<td>Smoke Detector</td>
<td>2</td>
<td>2</td>
<td>24.0</td>
<td>2.9</td>
<td>35</td>
</tr>
<tr>
<td>Telephone</td>
<td>1</td>
<td>6</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
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<tr>
<td>Television</td>
<td>2</td>
<td>100</td>
<td>4.0</td>
<td>24.0</td>
<td>288</td>
</tr>
</tbody>
</table>
# Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:** Single Family
**Utility Type:** Electric
**Utility Provider:** HECO

## Number of Bedrooms: 4

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Number of Appliances</th>
<th>Watts per Appliance</th>
<th>Hours per Day</th>
<th>kWh per Month</th>
<th>kWh per Year</th>
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</thead>
<tbody>
<tr>
<td>Clocks</td>
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<td>0.2</td>
<td>5.1</td>
<td>61</td>
</tr>
<tr>
<td>Computer, Desktop</td>
<td>1</td>
<td>65</td>
<td>2.0</td>
<td>3.9</td>
<td>47</td>
</tr>
<tr>
<td>Computer Monitor, 15&quot;</td>
<td>1</td>
<td>35</td>
<td>4.0</td>
<td>4.2</td>
<td>50</td>
</tr>
<tr>
<td>Fan</td>
<td>3</td>
<td>60</td>
<td>4.0</td>
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<tr>
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<td>3</td>
<td>1200</td>
<td>0.1</td>
<td>9.0</td>
<td>108</td>
</tr>
<tr>
<td>Iron</td>
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<td>1100</td>
<td>0.4</td>
<td>14.2</td>
<td>170</td>
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<tr>
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<td>800</td>
<td>0.5</td>
<td>12.2</td>
<td>147</td>
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<tr>
<td>Radio</td>
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<td>15</td>
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<td>5.4</td>
<td>65</td>
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<tr>
<td>Smoke Detector</td>
<td>2</td>
<td>2</td>
<td>24.0</td>
<td>2.9</td>
<td>35</td>
</tr>
<tr>
<td>Telephone</td>
<td>1</td>
<td>6</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
</tr>
<tr>
<td>Television</td>
<td>2</td>
<td>100</td>
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<td>24.0</td>
<td>288</td>
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</table>

## Number of Bedrooms: 5

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<tr>
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<th>Number of Appliances</th>
<th>Watts per Appliance</th>
<th>Hours per Day</th>
<th>kWh per Month</th>
<th>kWh per Year</th>
</tr>
</thead>
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<td>Clocks</td>
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<td>1000</td>
<td>0.2</td>
<td>5.1</td>
<td>61</td>
</tr>
<tr>
<td>Computer, Desktop</td>
<td>1</td>
<td>65</td>
<td>2.0</td>
<td>3.9</td>
<td>47</td>
</tr>
<tr>
<td>Computer Monitor, 15&quot;</td>
<td>1</td>
<td>35</td>
<td>4.0</td>
<td>4.2</td>
<td>50</td>
</tr>
<tr>
<td>Fan</td>
<td>3</td>
<td>60</td>
<td>4.0</td>
<td>21.6</td>
<td>259</td>
</tr>
<tr>
<td>Hair Dryer</td>
<td>3</td>
<td>1200</td>
<td>0.1</td>
<td>9.0</td>
<td>108</td>
</tr>
<tr>
<td>Iron</td>
<td>1</td>
<td>1100</td>
<td>0.4</td>
<td>14.2</td>
<td>170</td>
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<tr>
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<td>800</td>
<td>0.5</td>
<td>12.2</td>
<td>147</td>
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<tr>
<td>Radio</td>
<td>2</td>
<td>15</td>
<td>6.0</td>
<td>5.4</td>
<td>65</td>
</tr>
<tr>
<td>Smoke Detector</td>
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<td>2</td>
<td>24.0</td>
<td>2.9</td>
<td>35</td>
</tr>
<tr>
<td>Telephone</td>
<td>1</td>
<td>6</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
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<tr>
<td>Television</td>
<td>2</td>
<td>100</td>
<td>4.0</td>
<td>24.0</td>
<td>288</td>
</tr>
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</table>
# 2020 Allowances for Medical Equipment

**Hawaii Public Housing Authority**

<table>
<thead>
<tr>
<th>Property Description:</th>
<th>Single Family Utility Type:</th>
<th>Electric Utility Provider:</th>
<th>HECO</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Frequency</th>
<th>kWh/Year</th>
<th>kWh/Month</th>
<th>Monthly Dollar Allowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Conditioner, window type, 10,000 BtuH unit</td>
<td>Continuously As Needed</td>
<td>2,750</td>
<td>229</td>
<td>$66.73</td>
</tr>
<tr>
<td>Oxygen Concentrator, 400W</td>
<td>18 Hrs/Day</td>
<td>2,628</td>
<td>219</td>
<td>$63.77</td>
</tr>
<tr>
<td>Nebulizer, 75W</td>
<td>2 Hrs/Day</td>
<td>60</td>
<td>5</td>
<td>$1.46</td>
</tr>
<tr>
<td>Electric Hospital Bed, 200W</td>
<td>.2 Hrs/Day</td>
<td>12</td>
<td>1</td>
<td>$0.29</td>
</tr>
<tr>
<td>Alternating Pressure Pad, 70W</td>
<td>24 Hrs/Day</td>
<td>612</td>
<td>51</td>
<td>$14.85</td>
</tr>
<tr>
<td>Low Air-Loss Mattress, 120W</td>
<td>24 Hrs/Day</td>
<td>1,056</td>
<td>88</td>
<td>$25.62</td>
</tr>
<tr>
<td>Power Wheelchair/ Scooter, 550W, Full-Time Use</td>
<td>4 Hrs/Day Charge Time</td>
<td>803</td>
<td>67</td>
<td>$19.49</td>
</tr>
<tr>
<td>Feeding Tube, 120W</td>
<td>12 Hrs/Day</td>
<td>526</td>
<td>44</td>
<td>$12.75</td>
</tr>
<tr>
<td>CPAP Machine, 30W</td>
<td>10 Hrs/Day</td>
<td>110</td>
<td>9</td>
<td>$2.66</td>
</tr>
<tr>
<td>Leg Pump, 14W</td>
<td>6 Hrs/Day</td>
<td>31</td>
<td>3</td>
<td>$0.74</td>
</tr>
</tbody>
</table>
# Water and Sewer Allowance Calculation

**Hawaii Public Housing Authority**

**Property Description:** Single Family  
**Utility Type:** Water/Sewer  
**Utility Provider:** City/County of Honolulu

## Standards Used in Calculating Water Usage

<table>
<thead>
<tr>
<th>Fixture/Use</th>
<th>Gallons</th>
<th>Times</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet</td>
<td>3.5</td>
<td>X</td>
<td>5</td>
<td>Flushes per Person per Day</td>
</tr>
<tr>
<td>Shower</td>
<td>15</td>
<td>X</td>
<td>1</td>
<td>Showers per Person per Day</td>
</tr>
<tr>
<td>Dishwasher</td>
<td>3</td>
<td>X</td>
<td>0.5</td>
<td>Dishloads per Person per Day</td>
</tr>
<tr>
<td>Laundry</td>
<td>8</td>
<td>X</td>
<td>0.2</td>
<td>Loads per Person per Day</td>
</tr>
<tr>
<td>Cooking</td>
<td>0.1</td>
<td>X</td>
<td>3</td>
<td>Meals per Person per Day</td>
</tr>
<tr>
<td>Handwashing</td>
<td>0.1</td>
<td>X</td>
<td>10</td>
<td>Handwashes per Person per Day</td>
</tr>
<tr>
<td>Other</td>
<td>5</td>
<td>X</td>
<td>1</td>
<td>Allowance per Person per Day</td>
</tr>
</tbody>
</table>

## Calculation of Monthly Water Usage

<table>
<thead>
<tr>
<th>Bedroom Size &gt;&gt;&gt;</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td># Occupants &gt;&gt;&gt;</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Toilet</td>
<td>17.5</td>
<td>35</td>
<td>70</td>
<td>105</td>
<td>140</td>
<td>175</td>
</tr>
<tr>
<td>Shower</td>
<td>15</td>
<td>30</td>
<td>60</td>
<td>90</td>
<td>120</td>
<td>150</td>
</tr>
<tr>
<td>Dishwasher</td>
<td>1.5</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>Clothes</td>
<td>1.6</td>
<td>3.2</td>
<td>6.4</td>
<td>9.6</td>
<td>12.8</td>
<td>16</td>
</tr>
<tr>
<td>Cooking</td>
<td>0.3</td>
<td>0.6</td>
<td>1.2</td>
<td>1.8</td>
<td>2.4</td>
<td>3</td>
</tr>
<tr>
<td>Handwashing</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Other</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

### Gallons per Day
- 41.9  
- 83.8  
- 167.6  
- 251.4  
- 335.2  
- 419

### Gallons per Month
- 1274  
- 2549  
- 5098  
- 7647  
- 10196  
- 12745

### Water Billing Gallons
- 2000  
- 3000  
- 6000  
- 8000  
- 11000  
- 13000

### Sewer Billing Gallons*
- 2000  
- 3000  
- 5000  
- 7000  
- 9000  
- 11000

## Water Rate Schedule

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Charge</strong></td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
</tr>
<tr>
<td><strong>Charge per 1000 Gals</strong></td>
<td>$3.91</td>
<td>$4.14</td>
<td>$4.37</td>
<td>$4.58</td>
<td>$4.75</td>
<td>$4.82</td>
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</table>

## Sewer Rate Schedule

<table>
<thead>
<tr>
<th></th>
<th>Base Charge</th>
<th>Charge per 1000 Gals</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Base Charge</strong></td>
<td>$77.55</td>
<td>$4.63</td>
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</tbody>
</table>

*Note: * Denotes estimated values.
<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Allowance</td>
<td>$19</td>
<td>$23</td>
<td>$37</td>
<td>$47</td>
<td>$63</td>
<td>$73</td>
</tr>
<tr>
<td>Sewer Allowance</td>
<td>$87</td>
<td>$91</td>
<td>$101</td>
<td>$110</td>
<td>$119</td>
<td>$128</td>
</tr>
</tbody>
</table>

*Actual consumption reduced by 20% for water irrigation factor*
# 2020 Rate Calculation Form

**Hawaii Public Housing Authority**

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

## Average Residential DSM Adjustments (per kWh)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>$0.000203</td>
<td>July-19</td>
<td>$0.000133</td>
</tr>
<tr>
<td>February-19</td>
<td>$0.000000</td>
<td>August-19</td>
<td>$0.000000</td>
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<tr>
<td>March-19</td>
<td>$0.000000</td>
<td>September-19</td>
<td>$0.000000</td>
</tr>
<tr>
<td>April-19</td>
<td>$0.000000</td>
<td>October-19</td>
<td>$0.000000</td>
</tr>
<tr>
<td>May-19</td>
<td>$0.000133</td>
<td>November-19</td>
<td>$0.000000</td>
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<tr>
<td>June-19</td>
<td>$0.000133</td>
<td>December-19</td>
<td>$0.000000</td>
</tr>
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**Average Adjustment**

$0.000050

## Average Energy Cost Adjustment Factors (per kWh)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>$0.140950</td>
<td>July-19</td>
<td>$0.145450</td>
</tr>
<tr>
<td>February-19</td>
<td>$0.120440</td>
<td>August-19</td>
<td>$0.142970</td>
</tr>
<tr>
<td>March-19</td>
<td>$0.134490</td>
<td>September-19</td>
<td>$0.132400</td>
</tr>
<tr>
<td>April-19</td>
<td>$0.143380</td>
<td>October-19</td>
<td>$0.129510</td>
</tr>
<tr>
<td>May-19</td>
<td>$0.147210</td>
<td>November-19</td>
<td>$0.127780</td>
</tr>
<tr>
<td>June-19</td>
<td>$0.151990</td>
<td>December-19</td>
<td>$0.124090</td>
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</table>

**Average Adjustment**

$0.13672

## IRP Cost Recovery Provision

<table>
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<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
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<tr>
<td>January-19</td>
<td>0.000%</td>
<td>July-19</td>
<td>0.000%</td>
</tr>
<tr>
<td>February-19</td>
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<tr>
<td>March-19</td>
<td>0.000%</td>
<td>September-19</td>
<td>0.000%</td>
</tr>
<tr>
<td>April-19</td>
<td>0.000%</td>
<td>October-19</td>
<td>0.000%</td>
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<tr>
<td>May-19</td>
<td>0.000%</td>
<td>November-19</td>
<td>0.000%</td>
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<tr>
<td>June-19</td>
<td>0.000%</td>
<td>December-19</td>
<td>0.000%</td>
</tr>
</tbody>
</table>

**Average Adjustment**

0.000%
2020 Rate Calculation Form

Hawaii Public Housing Authority

Property Description: Duplex
Utility Type: Electric
Utility Provider: HECO

Rate Adjustment

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>0.000%</td>
<td>July-19</td>
<td>0.000%</td>
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<tr>
<td>February-19</td>
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<td>August-19</td>
<td>0.000%</td>
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<tr>
<td>March-19</td>
<td>0.000%</td>
<td>September-19</td>
<td>0.000%</td>
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<tr>
<td>April-19</td>
<td>0.000%</td>
<td>October-19</td>
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<td>May-19</td>
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</tr>
<tr>
<td>June-19</td>
<td>0.000%</td>
<td>December-19</td>
<td>0.000%</td>
</tr>
</tbody>
</table>

Average Adjustment 0.000%

Summary of Rate Schedule -- Schedule "R"

- Monthly Customer Base Charge*: $12.67
- Non-Fuel Energy Charge**: $0.114983
- Base Fuel/Energy Charge: $0.000000
- IRP Cost Recovery Provision (Applies to Above 3 Charges): 0.000%
- Rate Adjustment (Applies to Above 3 Charges): 0.000%
- Average Residential DSM Adjustments: $0.000050
- Average Energy Cost Adjustment Factors: $0.13672
- PB Surcharge/Avg Purch Power Adj/RBA Rate Adj/RE Surcharge/DR Adj: $0.039436

* Includes Green Infrastructure Fee Surcharge
** Rate is a weighted average of the first and second tiers of the graduated schedule
# 2020 Utility Allowances

Hawaii Public Housing Authority

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

## Consumption Allowances (kWh per Month)

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* Distribution by bedroom size based on number of occupants

## Cost Allowances ($ per Month)

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**Total Basic Includes Monthly Customer Base Charge. This is the amount for Other Electric.
## Lighting Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 0

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<thead>
<tr>
<th>Area Description</th>
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<th>Watts per Day</th>
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# Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:**
- Duplex

**Utility Type:**
- Electric

**Utility Provider:**
- HECO

## Number of Bedrooms: 2

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<th>Watts per Day</th>
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## Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

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## Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

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<th>Watts per Appliance</th>
<th>Hours per Day</th>
<th>kWh per Month</th>
<th>kWh per Year</th>
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# Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 2

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<tr>
<th>Area Description</th>
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## Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Duplex  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 4

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<tr>
<th>Area Description</th>
<th>Number of Appliances</th>
<th>Watts per Appliance</th>
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# 2020 Allowances for Medical Equipment

Hawaii Public Housing Authority

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<td>Utility Provider:</td>
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<table>
<thead>
<tr>
<th>Description</th>
<th>Frequency</th>
<th>kWh/Year</th>
<th>kWh/Month</th>
<th>Monthly Dollar Allowance</th>
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<tr>
<td>Air Conditioner, window type, 10,000 BtuH unit</td>
<td>Continuously As Needed</td>
<td>2,750</td>
<td>229</td>
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<tr>
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<td>18 Hrs/Day</td>
<td>2,628</td>
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<td>Nebulizer, 75W</td>
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<td>Power Wheelchair/ Scooter, 550W, Full-Time Use</td>
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# Water and Sewer Allowance Calculation

Hawaii Public Housing Authority

**Property Description:** Duplex  
**Utility Type:** Water/Sewer  
**Utility Provider:** City/County of Honolulu

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<th>Gallons</th>
<th>Times</th>
<th>Frequency</th>
<th>Description</th>
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<td>Flushes per Person per Day</td>
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<td>Shower</td>
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<td>X</td>
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<td>Showers per Person per Day</td>
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<tr>
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<td>Loads per Person per Day</td>
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<td>Meals per Person per Day</td>
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<td>7000</td>
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<th>Water Rate Schedule</th>
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<tr>
<td><strong>Base Charge</strong></td>
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*Actual consumption reduced by 20% for water irrigation factor*
## 2020 Rate Calculation Form

**Hawaii Public Housing Authority**

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<th>Property Description:</th>
<th>Townhouse</th>
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<tr>
<td>Utility Type:</td>
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<td>Utility Provider:</td>
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### Average Residential DSM Adjustments (per kWh)

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<th>Amount</th>
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**Average Adjustment** $0.000050

### Average Energy Cost Adjustment Factors (per kWh)

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**Average Adjustment** $0.13672

### IRP Cost Recovery Provision

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**Average Adjustment** 0.000%
2020 Rate Calculation Form

Hawaii Public Housing Authority

Property Description: Townhouse
Utility Type: Electric
Utility Provider: HECO

Rate Adjustment

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Average Adjustment 0.000%

Summary of Rate Schedule — Schedule "R"

Monthly Customer Base Charge*: $12.67
Non-Fuel Energy Charge**: $0.114983
Base Fuel/Energy Charge: $0.000000
IRP Cost Recovery Provision (Applies to Above 3 Charges): 0.000%
Rate Adjustment (Applies to Above 3 Charges): 0.000%
Average Residential DSM Adjustments: $0.000050
Average Energy Cost Adjustment Factors: $0.13672
PB Surcharge/Avg Purch Power Adj/RBA Rate Adj/RE Surcharge/DR Adj: $0.039436

* Includes Green Infrastructure Fee Surcharge
** Rate is a weighted average of the first and second tiers of the graduated schedule
## 2020 Utility Allowances

Hawaii Public Housing Authority

**Property Description:** Townhouse  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Consumption Allowances (kWh per Month)

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* Distribution by bedroom size based on number of occupants

### Cost Allowances ($ per Month)

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**Total Basic Includes Monthly Customer Base Charge. This is the amount for Other Electric.
## Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Townhouse  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 0

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## Lighting Usage Tables

**Property Description:** Townhouse  
**Utility Type:** Electric  
**Utility Provider:** HECO

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## Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Townhouse  
**Utility Type:** Electric  
**Utility Provider:** HECO

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### Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Townhouse  
**Utility Type:** Electric  
**Utility Provider:** HECO

#### Number of Bedrooms: 0

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<tr>
<th>Area Description</th>
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## Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:** Townhouse  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 2

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## Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:**
- Townhouse
- Utility Type: Electric
- Utility Provider: HECO

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## 2020 Allowances for Medical Equipment

Hawaii Public Housing Authority

**Property Description:**

**Utility Type:** Electric

**Utility Provider:** HECO

<table>
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<th>Description</th>
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<th>kWh/Month</th>
<th>Monthly Dollar Allowance</th>
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## Water and Sewer Allowance Calculation

**Hawaii Public Housing Authority**

**Property Description:** Townhouse  
**Utility Type:** Water/Sewer  
**Utility Provider:** City/County of Honolulu

### Standards Used in Calculating Water Usage

<table>
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<td>Showers per Person per Day</td>
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### Calculation of Monthly Water Usage

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<td>Water Billing Gallons</td>
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### Water Rate Schedule

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### Sewer Rate Schedule

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*Actual consumption reduced by 20% for water irrigation factor*
## 2020 Rate Calculation Form

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Average Residential DSM Adjustments (per kWh)

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<th>Month</th>
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<th>Month</th>
<th>Amount</th>
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<td>June-19</td>
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**Average Adjustment** $0.000050

### Average Energy Cost Adjustment Factors (per kWh)

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**Average Adjustment** $0.13672

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<td>June-19</td>
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<td>December-19</td>
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**Average Adjustment** 0.000%

Page 1 of 12
2020 Rate Calculation Form

Hawaii Public Housing Authority

Property Description: Lowrise
Utility Type: Electric
Utility Provider: HECO

Rate Adjustment

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<th>Amount</th>
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<td>June-19</td>
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Average Adjustment 0.000%

Summary of Rate Schedule -- Schedule "R"

Monthly Customer Base Charge*: $12.67

Non-Fuel Energy Charge**: $0.114983

Base Fuel/Energy Charge: $0.000000

IRP Cost Recovery Provision (Applies to Above 3 Charges): 0.000%

Rate Adjustment (Applies to Above 3 Charges): 0.000%

Average Residential DSM Adjustments: $0.000050

Average Energy Cost Adjustment Factors: $0.13672

PB Surcharge/Avg Purch Power Adj/RBA Rate Adj/RE Surcharge/DR Adj: $0.039436

* Includes Green Infrastructure Fee Surcharge
** Rate is a weighted average of the first and second tiers of the graduated schedule
### 2020 Utility Allowances

Hawaii Public Housing Authority

Property Description: Lowrise  
Utility Type: Electric  
Utility Provider: HECO

**Consumption Allowances (kWh per Month)**

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* Distribution by bedroom size based on number of occupants

**Cost Allowances ($ per Month)**

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**Total Basic Includes Monthly Customer Base Charge. This is the amount for Other Electric.
# Lighting Usage Tables

Hawaii Public Housing Authority

Property Description: Lowrise
Utility Type: Electric
Utility Provider: HECO

## Number of Bedrooms: 0

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<th>Area Description</th>
<th>Number of Fixtures</th>
<th>Watts per Fixture</th>
<th>Hours per Day</th>
<th>Watts per Day</th>
<th>kWh per Year</th>
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<td>39</td>
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## Number of Bedrooms: 1

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### Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

#### Number of Bedrooms: 2

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# Lighting Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

**Number of Bedrooms:** 4

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<th>Area Description</th>
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### Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

#### Number of Bedrooms: 0

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### Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

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## Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

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### 2020 Allowances for Medical Equipment

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

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<th>kWh/Year</th>
<th>kWh/Month</th>
<th>Monthly Dollar Allowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Conditioner, window type, 10,000 BtuH unit</td>
<td>Continuously As Needed</td>
<td>2,750</td>
<td>229</td>
<td>$66.73</td>
</tr>
<tr>
<td>Oxygen Concentrator, 400W</td>
<td>18 Hrs/Day</td>
<td>2,628</td>
<td>219</td>
<td>$63.77</td>
</tr>
<tr>
<td>Nebulizer, 75W</td>
<td>2 Hrs/Day</td>
<td>60</td>
<td>5</td>
<td>$1.46</td>
</tr>
<tr>
<td>Electric Hospital Bed, 200W</td>
<td>.2 Hrs/Day</td>
<td>12</td>
<td>1</td>
<td>$0.29</td>
</tr>
<tr>
<td>Alternating Pressure Pad, 70W</td>
<td>24 Hrs/Day</td>
<td>612</td>
<td>51</td>
<td>$14.85</td>
</tr>
<tr>
<td>Low Air-Loss Mattress, 120W</td>
<td>24 Hrs/Day</td>
<td>1,056</td>
<td>88</td>
<td>$25.62</td>
</tr>
<tr>
<td>Power Wheelchair/ Scooter, 550W, Full-Time Use</td>
<td>4 Hrs/Day Charge Time</td>
<td>803</td>
<td>67</td>
<td>$19.49</td>
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<tr>
<td>Feeding Tube, 120W</td>
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<td>$12.75</td>
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<td>CPAP Machine, 30W</td>
<td>10 Hrs/Day</td>
<td>110</td>
<td>9</td>
<td>$2.66</td>
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<tr>
<td>Leg Pump, 14W</td>
<td>6 Hrs/Day</td>
<td>31</td>
<td>3</td>
<td>$0.74</td>
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</table>
# Water and Sewer Allowance Calculation

**Hawaii Public Housing Authority**

**Property Description:** Lowrise  
**Utility Type:** Water/Sewer  
**Utility Provider:** City/County of Honolulu

## Standards Used in Calculating Water Usage

<table>
<thead>
<tr>
<th>Fixture/Use</th>
<th>Gallons</th>
<th>Times</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet</td>
<td>3.5</td>
<td>X</td>
<td>5</td>
<td>Flushes per Person per Day</td>
</tr>
<tr>
<td>Shower</td>
<td>15</td>
<td>X</td>
<td>1</td>
<td>Showers per Person per Day</td>
</tr>
<tr>
<td>Dishwasher</td>
<td>3</td>
<td>X</td>
<td>0.5</td>
<td>Dishloads per Person per Day</td>
</tr>
<tr>
<td>Laundry</td>
<td>8</td>
<td>X</td>
<td>0.2</td>
<td>Loads per Person per Day</td>
</tr>
<tr>
<td>Cooking</td>
<td>0.1</td>
<td>X</td>
<td>3</td>
<td>Meals per Person per Day</td>
</tr>
<tr>
<td>Handwashing</td>
<td>0.1</td>
<td>X</td>
<td>10</td>
<td>Handwashings per Person per Day</td>
</tr>
<tr>
<td>Other</td>
<td>5</td>
<td>X</td>
<td>1</td>
<td>Allowance per Person per Day</td>
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## Calculation of Monthly Water Usage

<table>
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<tr>
<th>Bedroom Size</th>
<th># Occupants</th>
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<th>5</th>
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<td>17.5</td>
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<td>70</td>
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<td>Shower</td>
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<td>15</td>
<td>30</td>
<td>60</td>
<td>90</td>
<td>120</td>
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<td>1.5</td>
<td>1.5</td>
<td>3</td>
<td>6</td>
<td>9</td>
<td>12</td>
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<td>Clothes</td>
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<td>1.6</td>
<td>1.6</td>
<td>3.2</td>
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<td>0.6</td>
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<td>1.8</td>
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<td>2</td>
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<td></td>
<td>5</td>
<td>5</td>
<td>10</td>
<td>20</td>
<td>30</td>
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<tr>
<td>Gallons per Day</td>
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<td>41.9</td>
<td>83.8</td>
<td>167.6</td>
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<td>Gallons per Month</td>
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<td>1274</td>
<td>2549</td>
<td>5098</td>
<td>7647</td>
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<tr>
<td>Water Billing Gallons</td>
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<td>3000</td>
<td>6000</td>
<td>8000</td>
<td>11000</td>
<td>13000</td>
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<tr>
<td>Sewer Billing Gallons*</td>
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<td>2000</td>
<td>3000</td>
<td>5000</td>
<td>7000</td>
<td>9000</td>
<td>11000</td>
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## Water Rate Schedule

<table>
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<tr>
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<tr>
<td>Base Charge</td>
<td>$10.80</td>
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<tr>
<td>Charge per 1000 Gals</td>
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<td>Sewer Rate Schedule</td>
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<tr>
<td>Base Charge</td>
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<tr>
<td>Charge per 1000 Gals</td>
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<tr>
<td>-----------------</td>
<td>-----</td>
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<tr>
<td>Water Allowance</td>
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<td>Sewer Allowance</td>
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*Actual consumption reduced by 20% for water irrigation factor*
# 2020 Rate Calculation Form

Hawaii Public Housing Authority

<table>
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<tr>
<th>Property Description:</th>
<th>Highrise</th>
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<tbody>
<tr>
<td>Utility Type:</td>
<td>Electric</td>
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<tr>
<td>Utility Provider:</td>
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</table>

## Average Residential DSM Adjustments (per kWh)

<table>
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<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>$0.000203</td>
<td>July-19</td>
<td>$0.000133</td>
</tr>
<tr>
<td>February-19</td>
<td>$0.000000</td>
<td>August-19</td>
<td>$0.000000</td>
</tr>
<tr>
<td>March-19</td>
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<td>$0.000000</td>
</tr>
<tr>
<td>April-19</td>
<td>$0.000000</td>
<td>October-19</td>
<td>$0.000000</td>
</tr>
<tr>
<td>May-19</td>
<td>$0.000133</td>
<td>November-19</td>
<td>$0.000000</td>
</tr>
<tr>
<td>June-19</td>
<td>$0.000133</td>
<td>December-19</td>
<td>$0.000000</td>
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</table>

Average Adjustment: $0.000050

## Average Energy Cost Adjustment Factors (per kWh)

<table>
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<th>Month</th>
<th>Amount</th>
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</thead>
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<td>July-19</td>
<td>$0.145450</td>
</tr>
<tr>
<td>February-19</td>
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</tr>
<tr>
<td>March-19</td>
<td>$0.134490</td>
<td>September-19</td>
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</tr>
<tr>
<td>April-19</td>
<td>$0.143380</td>
<td>October-19</td>
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</tr>
<tr>
<td>May-19</td>
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<td>June-19</td>
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Average Adjustment: $0.13672

## IRP Cost Recovery Provision

<table>
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<tr>
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<th>Amount</th>
<th>Month</th>
<th>Amount</th>
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<tr>
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<td>August-19</td>
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<td>November-19</td>
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</tr>
<tr>
<td>June-19</td>
<td>0.000%</td>
<td>December-19</td>
<td>0.000%</td>
</tr>
</tbody>
</table>

Average Adjustment: 0.000%
2020 Rate Calculation Form

Hawaii Public Housing Authority

Property Description: Highrise
Utility Type: Electric
Utility Provider: HECO

Rate Adjustment

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
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<td>July-19</td>
<td>0.000%</td>
</tr>
<tr>
<td>February-19</td>
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<tr>
<td>March-19</td>
<td>0.000%</td>
<td>September-19</td>
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<tr>
<td>April-19</td>
<td>0.000%</td>
<td>October-19</td>
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<tr>
<td>May-19</td>
<td>0.000%</td>
<td>November-19</td>
<td>0.000%</td>
</tr>
<tr>
<td>June-19</td>
<td>0.000%</td>
<td>December-19</td>
<td>0.000%</td>
</tr>
</tbody>
</table>

Average Adjustment 0.000%

Summary of Rate Schedule -- Schedule "R"

Monthly Customer Base Charge*: $12.67

Non-Fuel Energy Charge**: $0.114983

Base Fuel/Energy Charge: $0.000000

IRP Cost Recovery Provision (Applies to Above 3 Charges): 0.000%

Rate Adjustment (Applies to Above 3 Charges): 0.000%

Average Residential DSM Adjustments: $0.000050

Average Energy Cost Adjustment Factors: $0.13672

PB Surcharge/Avg Purch Power Adj/RBA Rate Adj/RE Surcharge/DR Adj: $0.039436

* Includes Green Infrastructure Fee Surcharge
** Rate is a weighted average of the first and second tiers of the graduated schedule
# 2020 Utility Allowances

**Hawaii Public Housing Authority**

Property Description: Highrise  
Utility Type: Electric  
Utility Provider: HECO

## Consumption Allowances (kWh per Month)

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>30</td>
<td>56</td>
<td>50</td>
<td>135</td>
<td>78</td>
<td>43</td>
<td>16</td>
<td>272</td>
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<tr>
<td>1</td>
<td>31</td>
<td>56</td>
<td>50</td>
<td>137</td>
<td>78</td>
<td>87</td>
<td>31</td>
<td>332</td>
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<tr>
<td>2</td>
<td>34</td>
<td>76</td>
<td>50</td>
<td>160</td>
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<td>3</td>
<td>40</td>
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<td>4</td>
<td>43</td>
<td>113</td>
<td>50</td>
<td>205</td>
<td>95</td>
<td>348</td>
<td>110</td>
<td>758</td>
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<td>5</td>
<td>45</td>
<td>114</td>
<td>50</td>
<td>209</td>
<td>95</td>
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<td>141</td>
<td>879</td>
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</table>

* Distribution by bedroom size based on number of occupants

## Cost Allowances ($ per Month)

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<tr>
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<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$8.68</td>
<td>$16.17</td>
<td>$14.56</td>
<td>$52</td>
<td>$23</td>
<td>$13</td>
<td>$5</td>
<td>$92</td>
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<tr>
<td>2</td>
<td>$9.83</td>
<td>$22.12</td>
<td>$14.56</td>
<td>$59</td>
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<td>$269</td>
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</table>

**Total Basic Includes Monthly Customer Base Charge. This is the amount for Other Electric.
## Lighting Usage Tables

Hawaii Public Housing Authority

Property Description: Highrise  
Utility Type: Electric  
Utility Provider: HECO

### Number of Bedrooms: 0

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Number of Fixtures</th>
<th>Watts per Fixture</th>
<th>Hours per Day</th>
<th>Watts per Day</th>
<th>kWh per Year</th>
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<tbody>
<tr>
<td>Porches</td>
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<td>0</td>
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<td>39</td>
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<td>195</td>
<td>71</td>
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<td>Dining Room</td>
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<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Kitchen</td>
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<td>128</td>
<td>4</td>
<td>512</td>
<td>187</td>
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<tr>
<td>Pantry</td>
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<td>13</td>
<td>2</td>
<td>26</td>
<td>9</td>
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<tr>
<td>Bathroom</td>
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<td>52</td>
<td>2</td>
<td>104</td>
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<tr>
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<td>26</td>
<td>3</td>
<td>78</td>
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<tr>
<td>Lamps</td>
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<td>0</td>
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<td>0</td>
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<td>3</td>
<td>39</td>
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<td>13</td>
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### Number of Bedrooms: 1

<table>
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<th>Watts per Fixture</th>
<th>Hours per Day</th>
<th>Watts per Day</th>
<th>kWh per Year</th>
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<tbody>
<tr>
<td>Porches</td>
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<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Living Room</td>
<td>1</td>
<td>39</td>
<td>5</td>
<td>195</td>
<td>71</td>
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<tr>
<td>Dining Room</td>
<td>0</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Kitchen</td>
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<td>128</td>
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## Lighting Usage Tables

Hawaii Public Housing Authority

**Property Description:** Highrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

### Number of Bedrooms: 2

<table>
<thead>
<tr>
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# Lighting Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Highrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

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# Miscellaneous Small Appliance Usage Tables

**Hawaii Public Housing Authority**

**Property Description:** Highrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

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## Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:** Highrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

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# Miscellaneous Small Appliance Usage Tables

Hawaii Public Housing Authority

**Property Description:** Highrise  
**Utility Type:** Electric  
**Utility Provider:** HECO

**Number of Bedrooms:** 4

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</tr>
<tr>
<td>Microwave Oven</td>
<td>1</td>
<td>800</td>
<td>0.5</td>
<td>12.2</td>
<td>147</td>
</tr>
<tr>
<td>Radio</td>
<td>2</td>
<td>15</td>
<td>6.0</td>
<td>5.4</td>
<td>65</td>
</tr>
<tr>
<td>Smoke Detector</td>
<td>2</td>
<td>2</td>
<td>24.0</td>
<td>2.9</td>
<td>35</td>
</tr>
<tr>
<td>Telephone</td>
<td>1</td>
<td>6</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
</tr>
<tr>
<td>Television</td>
<td>2</td>
<td>100</td>
<td>4.0</td>
<td>24.0</td>
<td>288</td>
</tr>
</tbody>
</table>

**Number of Bedrooms:** 5

<table>
<thead>
<tr>
<th>Area Description</th>
<th>Number of Appliances</th>
<th>Watts per Appliance</th>
<th>Hours per Day</th>
<th>kWh per Month</th>
<th>kWh per Year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clocks</td>
<td>5</td>
<td>2</td>
<td>24.0</td>
<td>7.2</td>
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<tr>
<td>Coffee Maker</td>
<td>1</td>
<td>1000</td>
<td>0.2</td>
<td>5.1</td>
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</tr>
<tr>
<td>Computer, Desktop</td>
<td>1</td>
<td>65</td>
<td>2.0</td>
<td>3.9</td>
<td>47</td>
</tr>
<tr>
<td>Computer Monitor, 15&quot;</td>
<td>1</td>
<td>35</td>
<td>4.0</td>
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<tr>
<td>Fan</td>
<td>3</td>
<td>60</td>
<td>4.0</td>
<td>21.6</td>
<td>259</td>
</tr>
<tr>
<td>Hair Dryer</td>
<td>3</td>
<td>1200</td>
<td>0.1</td>
<td>9.0</td>
<td>108</td>
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<tr>
<td>Iron</td>
<td>1</td>
<td>1100</td>
<td>0.4</td>
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<tr>
<td>Microwave Oven</td>
<td>1</td>
<td>800</td>
<td>0.5</td>
<td>12.2</td>
<td>147</td>
</tr>
<tr>
<td>Radio</td>
<td>2</td>
<td>15</td>
<td>6.0</td>
<td>5.4</td>
<td>65</td>
</tr>
<tr>
<td>Smoke Detector</td>
<td>2</td>
<td>2</td>
<td>24.0</td>
<td>2.9</td>
<td>35</td>
</tr>
<tr>
<td>Telephone</td>
<td>1</td>
<td>6</td>
<td>24.0</td>
<td>4.3</td>
<td>52</td>
</tr>
<tr>
<td>Television</td>
<td>2</td>
<td>100</td>
<td>4.0</td>
<td>24.0</td>
<td>288</td>
</tr>
</tbody>
</table>
# 2020 Allowances for Medical Equipment

**Hawaii Public Housing Authority**

<table>
<thead>
<tr>
<th>Property Description:</th>
<th>Highrise Electric HECO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Utility Type:</td>
<td></td>
</tr>
<tr>
<td>Utility Provider:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description</th>
<th>Frequency</th>
<th>kWh/Year</th>
<th>kWh/Month</th>
<th>Monthly Dollar Allowance</th>
</tr>
</thead>
<tbody>
<tr>
<td>Air Conditioner, window type, 10,000 BtuH unit</td>
<td>Continuously As Needed</td>
<td>2,750</td>
<td>229</td>
<td>$66.73</td>
</tr>
<tr>
<td>Oxygen Concentrator, 400W</td>
<td>18 Hrs/Day</td>
<td>2,628</td>
<td>219</td>
<td>$63.77</td>
</tr>
<tr>
<td>Nebulizer, 75W</td>
<td>2 Hrs/Day</td>
<td>60</td>
<td>5</td>
<td>$1.46</td>
</tr>
<tr>
<td>Electric Hospital Bed, 200W</td>
<td>.2 Hrs/Day</td>
<td>12</td>
<td>1</td>
<td>$0.29</td>
</tr>
<tr>
<td>Alternating Pressure Pad, 70W</td>
<td>24 Hrs/Day</td>
<td>612</td>
<td>51</td>
<td>$14.85</td>
</tr>
<tr>
<td>Low Air-Loss Mattress, 120W</td>
<td>24 Hrs/Day</td>
<td>1,056</td>
<td>88</td>
<td>$25.62</td>
</tr>
<tr>
<td>Power Wheelchair/ Scooter, 550W, Full-Time Use</td>
<td>4 Hrs/Day Charge Time</td>
<td>803</td>
<td>67</td>
<td>$19.49</td>
</tr>
<tr>
<td>Feeding Tube, 120W</td>
<td>12 Hrs/Day</td>
<td>526</td>
<td>44</td>
<td>$12.75</td>
</tr>
<tr>
<td>CPAP Machine, 30W</td>
<td>10 Hrs/Day</td>
<td>110</td>
<td>9</td>
<td>$2.66</td>
</tr>
<tr>
<td>Leg Pump, 14W</td>
<td>6 Hrs/Day</td>
<td>31</td>
<td>3</td>
<td>$0.74</td>
</tr>
</tbody>
</table>
# Water and Sewer Allowance Calculation

Hawaii Public Housing Authority

**Property Description:** Highrise  
**Utility Type:** Water/Sewer  
**Utility Provider:** City/County of Honolulu

## Standards Used in Calculating Water Usage

<table>
<thead>
<tr>
<th>Fixture/Use</th>
<th>Gallons</th>
<th>Times</th>
<th>Frequency</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet</td>
<td>3.5</td>
<td>X</td>
<td>5</td>
<td>Flushes per Person per Day</td>
</tr>
<tr>
<td>Shower</td>
<td>15</td>
<td>X</td>
<td>1</td>
<td>Showers per Person per Day</td>
</tr>
<tr>
<td>Dishwasher</td>
<td>3</td>
<td>X</td>
<td>0.5</td>
<td>Dishloads per Person per Day</td>
</tr>
<tr>
<td>Laundry</td>
<td>8</td>
<td>X</td>
<td>0.2</td>
<td>Loads per Person per Day</td>
</tr>
<tr>
<td>Cooking</td>
<td>0.1</td>
<td>X</td>
<td>3</td>
<td>Meals per Person per Day</td>
</tr>
<tr>
<td>Handwashing</td>
<td>0.1</td>
<td>X</td>
<td>10</td>
<td>Handwashings per Person per Day</td>
</tr>
<tr>
<td>Other</td>
<td>5</td>
<td>X</td>
<td>1</td>
<td>Allowance per Person per Day</td>
</tr>
</tbody>
</table>

## Calculation of Monthly Water Usage

<table>
<thead>
<tr>
<th>Bedroom Size &gt;&gt;&gt;</th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td># Occupants &gt;&gt;&gt;</td>
<td>1</td>
<td>2</td>
<td>4</td>
<td>6</td>
<td>8</td>
<td>10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fixture/Use</th>
<th>Gallons per Day</th>
<th>Gallons per Month</th>
<th>Water Billing Gallons</th>
<th>Sewer Billing Gallons*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toilet</td>
<td>17.5</td>
<td>15</td>
<td>2000</td>
<td>2000</td>
</tr>
<tr>
<td>Shower</td>
<td>15</td>
<td>30</td>
<td>3000</td>
<td>3000</td>
</tr>
<tr>
<td>Dishwasher</td>
<td>1.5</td>
<td>3</td>
<td>6000</td>
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<tr>
<td>Clothes</td>
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<tr>
<td>Cooking</td>
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<tr>
<td>Handwashing</td>
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<td>2</td>
<td>11000</td>
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<tr>
<td>Other</td>
<td>5</td>
<td>10</td>
<td>13000</td>
<td>13000</td>
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</tbody>
</table>

## Water Rate Schedule

<table>
<thead>
<tr>
<th></th>
<th>0</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Charge</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
<td>$10.80</td>
</tr>
<tr>
<td>Charge per 1000 Gals</td>
<td>$3.91</td>
<td>$4.14</td>
<td>$4.37</td>
<td>$4.58</td>
<td>$4.75</td>
<td>$4.82</td>
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</table>

## Sewer Rate Schedule

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Base Charge</td>
<td>$77.55</td>
</tr>
<tr>
<td>Charge per 1000 Gals</td>
<td>$4.63</td>
</tr>
<tr>
<td>Bedroom Size</td>
<td>0</td>
</tr>
<tr>
<td>--------------</td>
<td>---</td>
</tr>
<tr>
<td>Water Allowance</td>
<td>$19</td>
</tr>
<tr>
<td>Sewer Allowance</td>
<td>$87</td>
</tr>
</tbody>
</table>

*Actual consumption reduced by 20% for water irrigation factor*
2020 Rate Calculation Form

Hawaii Public Housing Authority

Utility Type: LP -- Utility
Property Description: Single Family

Fuel Adjustment Cost (FAC) (per Therm)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>-$0.2011</td>
<td>July-19</td>
<td>$0.1465</td>
</tr>
<tr>
<td>February-19</td>
<td>-$0.8940</td>
<td>August-19</td>
<td>$0.3639</td>
</tr>
<tr>
<td>March-19</td>
<td>$0.0396</td>
<td>September-19</td>
<td>$0.2784</td>
</tr>
<tr>
<td>April-19</td>
<td>$0.4446</td>
<td>October-19</td>
<td>$0.1877</td>
</tr>
<tr>
<td>May-19</td>
<td>$0.6257</td>
<td>November-19</td>
<td>$0.5280</td>
</tr>
<tr>
<td>June-19</td>
<td>$0.7762</td>
<td>December-19</td>
<td>-$0.0276</td>
</tr>
<tr>
<td><strong>Average Adjustment</strong></td>
<td></td>
<td></td>
<td>$0.1890</td>
</tr>
</tbody>
</table>

Summary of Rate Schedule -- Schedule 20 - Residential

Monthly Customer Base Charge: $9.60
Commodity Charge -- All Therms $4.3560
Average Fuel Adjustment Cost: $0.1890
Applicable Tax Rate 4.712%
2020 Utility Allowances

Hawaii Public Housing Authority

Utility Type: LP -- Utility
Property Description: Single Family

Consumption Allowances (Therms per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4.50</td>
<td>5.25</td>
<td>9.75</td>
</tr>
<tr>
<td>1</td>
<td>4.50</td>
<td>7.50</td>
<td>12.00</td>
</tr>
<tr>
<td>2</td>
<td>4.50</td>
<td>12.00</td>
<td>16.50</td>
</tr>
<tr>
<td>3</td>
<td>5.50</td>
<td>16.58</td>
<td>22.08</td>
</tr>
<tr>
<td>4</td>
<td>5.50</td>
<td>21.08</td>
<td>26.58</td>
</tr>
<tr>
<td>5</td>
<td>5.50</td>
<td>25.67</td>
<td>31.17</td>
</tr>
</tbody>
</table>

Cost Allowances ($ per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking*</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$31</td>
<td>$25</td>
<td>$56</td>
</tr>
<tr>
<td>1</td>
<td>$31</td>
<td>$36</td>
<td>$67</td>
</tr>
<tr>
<td>2</td>
<td>$31</td>
<td>$57</td>
<td>$88</td>
</tr>
<tr>
<td>3</td>
<td>$36</td>
<td>$79</td>
<td>$115</td>
</tr>
<tr>
<td>4</td>
<td>$36</td>
<td>$100</td>
<td>$136</td>
</tr>
<tr>
<td>5</td>
<td>$36</td>
<td>$122</td>
<td>$158</td>
</tr>
</tbody>
</table>

*Total Basic Includes Monthly Customer Base Charge
2020 Rate Calculation Form

Hawaii Public Housing Authority

Utility Type: LP – Utility
Property Description: Duplex

Fuel Adjustment Cost (FAC) (per Therm)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>-$0.2011</td>
<td>July-19</td>
<td>$0.1465</td>
</tr>
<tr>
<td>February-19</td>
<td>-$0.8940</td>
<td>August-19</td>
<td>$0.3639</td>
</tr>
<tr>
<td>March-19</td>
<td>$0.0396</td>
<td>September-19</td>
<td>$0.2784</td>
</tr>
<tr>
<td>April-19</td>
<td>$0.4446</td>
<td>October-19</td>
<td>$0.1877</td>
</tr>
<tr>
<td>May-19</td>
<td>$0.6257</td>
<td>November-19</td>
<td>$0.5280</td>
</tr>
<tr>
<td>June-19</td>
<td>$0.7762</td>
<td>December-19</td>
<td>-$0.0276</td>
</tr>
</tbody>
</table>

Average Adjustment $0.1890

Summary of Rate Schedule – Schedule 20 - Residential

Monthly Customer Base Charge: $9.60

Commodity Charge – All Therms $4.3360

Average Fuel Adjustment Cost: $0.1890

Applicable Tax Rate 4.712%
2020 Utility Allowances
Hawaii Public Housing Authority

Utility Type: LP -- Utility
Property Description: Duplex

Consumption Allowances (Therms per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4.50</td>
<td>5.25</td>
<td>9.75</td>
</tr>
<tr>
<td>1</td>
<td>4.50</td>
<td>7.50</td>
<td>12.00</td>
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<tr>
<td>2</td>
<td>4.50</td>
<td>12.00</td>
<td>16.50</td>
</tr>
<tr>
<td>3</td>
<td>5.50</td>
<td>16.58</td>
<td>22.08</td>
</tr>
<tr>
<td>4</td>
<td>5.50</td>
<td>21.08</td>
<td>26.58</td>
</tr>
<tr>
<td>5</td>
<td>5.50</td>
<td>25.67</td>
<td>31.17</td>
</tr>
</tbody>
</table>

Cost Allowances ($ per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking*</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$31</td>
<td>$25</td>
<td>$56</td>
</tr>
<tr>
<td>1</td>
<td>$31</td>
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<td>$88</td>
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<td>3</td>
<td>$36</td>
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<td>$100</td>
<td>$136</td>
</tr>
<tr>
<td>5</td>
<td>$36</td>
<td>$122</td>
<td>$158</td>
</tr>
</tbody>
</table>

*Total Basic Includes Monthly Customer Base Charge
# 2020 Rate Calculation Form

Hawaii Public Housing Authority

<table>
<thead>
<tr>
<th>Utility Type:</th>
<th>LP — Utility</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Description:</td>
<td>Townhouse</td>
</tr>
</tbody>
</table>

## Fuel Adjustment Cost (FAC) (per Therm)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
<th>Month</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>-$0.2011</td>
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<tr>
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<td>August-19</td>
<td>$0.3639</td>
</tr>
<tr>
<td>March-19</td>
<td>$0.0396</td>
<td>September-19</td>
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</tr>
<tr>
<td>June-19</td>
<td>$0.7762</td>
<td>December-19</td>
<td>-$0.0276</td>
</tr>
</tbody>
</table>

Average Adjustment  $0.1890

## Summary of Rate Schedule — Schedule 20 - Residential

- Monthly Customer Base Charge: $9.60
- Commodity Charge — All Therms: $4.3350
- Average Fuel Adjustment Cost: $0.1890
- Applicable Tax Rate: 4.712%
# 2020 Utility Allowances

**Hawaii Public Housing Authority**

**Utility Type:** LP -- Utility  
**Property Description:** Townhouse

## Consumption Allowances (Therms per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4.50</td>
<td>5.25</td>
<td>9.75</td>
</tr>
<tr>
<td>1</td>
<td>4.50</td>
<td>7.50</td>
<td>12.00</td>
</tr>
<tr>
<td>2</td>
<td>4.50</td>
<td>12.00</td>
<td>16.50</td>
</tr>
<tr>
<td>3</td>
<td>5.50</td>
<td>16.58</td>
<td>22.08</td>
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<tr>
<td>4</td>
<td>5.50</td>
<td>21.08</td>
<td>26.58</td>
</tr>
<tr>
<td>5</td>
<td>5.50</td>
<td>25.67</td>
<td>31.17</td>
</tr>
</tbody>
</table>

## Cost Allowances ($ per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking*</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>$31</td>
<td>$25</td>
<td>$56</td>
</tr>
<tr>
<td>1</td>
<td>$31</td>
<td>$36</td>
<td>$67</td>
</tr>
<tr>
<td>2</td>
<td>$31</td>
<td>$57</td>
<td>$88</td>
</tr>
<tr>
<td>3</td>
<td>$36</td>
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</tbody>
</table>

*Total Basic Includes Monthly Customer Base Charge
2020 Rate Calculation Form

Hawaii Public Housing Authority

Utility Type: LP -- Utility
Property Description: Lowrise

Fuel Adjustment Cost (FAC) (per Therm)

<table>
<thead>
<tr>
<th>Month</th>
<th>Amount</th>
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<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>January-19</td>
<td>-$0.2011</td>
<td>July-19</td>
<td>$0.1465</td>
</tr>
<tr>
<td>February-19</td>
<td>-$0.8940</td>
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</table>

Average Adjustment $0.1890

Summary of Rate Schedule -- Schedule 20 - Residential

Monthly Customer Base Charge: $9.60

Commodity Charge -- All Therms $4.3360

Average Fuel Adjustment Cost: $0.1890

Applicable Tax Rate 4.712%
2020 Utility Allowances
Hawaii Public Housing Authority

Utility Type: LP -- Utility
Property Description: Lowrise

Consumption Allowances (Therms per Month)

<table>
<thead>
<tr>
<th>Bedroom Size</th>
<th>Cooking</th>
<th>Individual Water Heating</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4.50</td>
<td>5.25</td>
<td>9.75</td>
</tr>
<tr>
<td>1</td>
<td>4.50</td>
<td>7.50</td>
<td>12.00</td>
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Cost Allowances ($ per Month)

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*Total Basic Includes Monthly Customer Base Charge
# 2020 Rate Calculation Form

Hawaii Public Housing Authority  
Utility Type: LP -- Utility  
Property Description: Highrise

## Fuel Adjustment Cost (FAC) (per Therm)

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## Summary of Rate Schedule -- Schedule 20 - Residential

- Monthly Customer Base Charge: $9.60
- Commodity Charge -- All Therms: $4.3360
- Average Fuel Adjustment Cost: $0.1890
- Applicable Tax Rate: 4.712%
## 2020 Utility Allowances

**Hawaii Public Housing Authority**

**Utility Type:** LP -- Utility  
**Property Description:** Highrise

### Consumption Allowances (Therms per Month)

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