

Superseding Revised Sheet No. 50  
Effective January 1, 2004

REVISED SHEET No. 50  
Effective

RATE SCHEDULES

The following listed sheets contain all rates in effect on and after the date indicated thereon subject to the Rules and Regulations of the Company applicable thereto:

<u>Sheet</u>	<u>Schedule</u>	<u>Date Effective</u>	<u>Character of Service</u>
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51A	R		Residential Service
52	G		General Service Non-Demand
53	G		General Service Non-Demand
53A	G		General Service Non-Demand
54	J		General Service Demand
54A	J		General Service Demand
54B	J		General Service Demand
54C	J		General Service Demand
55	H		Commercial Cooking, Heating, Air Conditioning & Refrigeration Service
56	H		Commercial Cooking, Heating, Air Conditioning & Refrigeration Service
57	PS		Large Power Secondary Voltage Service
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Superseding Revised Sheet No. 50A  
Effective June 1, 2001

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RATE SCHEDULES - (continued)

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61	U		Time-of-Use Service
61A	U		Time-of-Use Service
61B	U		Time-of-Use Service
62	E		Electric Service for Employees
63	Energy Cost Adjustment Clause		All Schedules Except Schedule Q
63A	Energy Cost Adjustment Clause		All Schedules Except Schedule Q
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64	Rider I		Interruptible Contract Service
65	Rider M		Off-Peak and Curtailable Service
65A	Rider M		Off-Peak and Curtailable Service
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Superseding Sheet No. 50B  
Effective July 1, 2004

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RATE SCHEDULES (continued)

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67	Rider T		Time-of-Day Service
67A	Rider T		Time-of-Day Service
67B	Rider T		Time-of-Day Service
68	IRP Cost Recovery Provision		All Schedules Except Schedule Q
68A	IRP Cost Recovery Provision		All Schedules Except Schedule Q
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81	Q		Purchases From Qualifying Facilities -100 kW or Less
81A	Q		Purchases From Qualifying Facilities -100 kW or Less
81B	Q		Purchases From Qualifying Facilities -100 kW or Less
82	Green Pricing Program Provision		Green Pricing
82A	Green Pricing Program Provision		Green Pricing
83	Schedule TOU-C		Commercial Time-of-Use Service
84	Schedule TOU-C		Commercial Time-of-Use Service
85	Schedule TOU-C		Commercial Time-of-Use Service
85A	Schedule TOU-C		Commercial Time-of-Use Service

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Sheet No. 50C  
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RATE SCHEDULES (continued)

<u>Sheet</u>	<u>Schedule</u>	<u>Date Effective</u>	<u>Character of Service</u>
86	Schedule TOU-R		Residential Time-of-Use Service
87	Schedule TOU-R		Residential Time-of-Use Service
88	Schedule TOU-R		Residential Time-of-Use Service
89	DSM Reconciliation Clause		All Schedules Except Schedule F and Schedule Q

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Docket No. 04-0113, D&O NO. \_\_\_\_\_.

Superseding Revised Sheet No. 51  
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SCHEDULE R

Residential Service

Availability:

Applicable to residential lighting, heating, cooking, air conditioning and power in a single family dwelling unit metered and billed separately by the Company. This Schedule does not apply where a residence and business are combined.

Service will be delivered at secondary voltages as specified by the Company.

Rate:

CUSTOMER CHARGE:

Single-Phase Service - per month	\$10.00/month
Three-Phase Service - per month	\$20.00/month

NON-FUEL ENERGY CHARGE (To be added to Customer Charge)

All kWhr per month - per kWhr	8.7859 ¢/kWhr
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BASE FUEL/ENERGY CHARGE (To be added to Customer Charge and Non-Fuel Energy Charge)

All kWhr per month - per kWhr	6.0520 ¢/kWhr
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Minimum Charge:

Single-Phase Service - per month	\$20.00/month
Three-Phase Service - per month	\$25.00/month

Apartment House Collection Arrangement:

Any apartment owner having three or more apartments at one location, each apartment being separately metered and billed on the above rate, may elect to accept a discount of ten percent (10%) of the amount of the total bills rendered for each apartment for each billing period, but not to exceed \$5.00 per month for each apartment, upon entering into the following collection agreement with the Company under the following terms and conditions:

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SCHEDULE R - (continued)

- 1) All accounts shall be kept in the name of the apartment house owner who shall assume the responsibility for the prompt payment of all bills.
- 2) All accounts shall remain active at all times and, though vacant, shall be subject to the minimum charge. Individual apartments cannot be added or deleted from this agreement more often than once in twelve months.
- 3) The Company will render individual bills for each apartment on a regular billing period basis and will also furnish a statement showing gross and net billings.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer and Energy Charges.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer and Energy Charges, and energy cost adjustment.

Rules and Regulations:

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

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Docket No. 04-0113, D&O NO. \_\_\_\_\_.

Superseding Revised Sheet No. 52  
Effective January 1, 1997

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SCHEDULE G

General Service Non-Demand

Availability:

Applicable to general light and/or power loads less than or equal to 5000 kilowatthours per month, and less than or equal to 25 kilowatts, and supplied through a single meter.

If a customer's usage exceeds 5000 kilowatthours per month or in the opinion of the Company exceeds 25 kilowatt of demand three times in a twelve-month period, a demand meter will be installed and the customer's billing will be transferred to Schedule "J" beginning with the next convenient billing period.

Service will be delivered at secondary voltages as specified by the Company, except where the nature or location of the customer's load makes delivery at secondary voltage impractical, the Company may, at its option, deliver the service at a nominal primary voltage as specified by the Company. Service supplied at primary voltage shall be subject to the special terms and conditions set forth below.

Rate:

CUSTOMER CHARGE:

Single-Phase Service - per month	\$40.00/month
Three-Phase Service - per month	\$60.00/month

ENERGY CHARGE: (To be added to Customer Charge)

All kWhr per month - per kWhr	13.8200 ¢/kWhr
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Minimum Charge:

Single-Phase Service - per month	\$45.00/month
Three-Phase Service - per month	\$60.00/month

Primary Supply Voltage Service:

Where, at the option of the Company, service is delivered and metered at the primary supply line voltage, the above energy charges will be decreased by 2.1%. When customers' transformers are adjacent to the delivery point, the Company may permit the customer to be metered at a single point on the secondary side of his transformers where such point is approved by the Company. When the energy is metered on the secondary side of the customers' transformers, the above energy charge will be decreased by 0.6%.

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Superseding Revised Sheet No. 53  
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Effective

SCHEDULE G - (continued)

Primary Supply Voltage Service - continued:

The Primary Supply Voltage Service will be closed to new customers after \_\_\_\_\_, 2005.

Special Terms and Conditions:

Individual public safety-related instruments specifically civil defense sirens or traffic signal lights, with total connected load equal to or less than 2 kW per connection point, may be individually served unmetered at secondary voltage along public streets and highways when secondary voltage is available in an overhead area or in an underground area along the public streets. This unmetered service may be provided under the following terms and conditions:

1. The total connected load per connection point shall not exceed 2 kW.
2. The determination of monthly billing kWhr shall be based on the manufacturer's nameplate rating of the connected load multiplied by 730 hours per month.
3. A connection point shall constitute a point of service. The customer shall provide the Company with a written inventory of all equipment at each point of service for which customer requests unmetered service. Such written inventory shall include the type and nameplate rating for each piece of equipment.
4. The customer must update its inventory by informing the Company in writing of changes in type, nameplate rating, and/or quantity of equipment as such changes occur, and the billing kWhr load shall be adjusted accordingly beginning with the start of the next billing period following the receipt of such written notice of change from the customer.
5. The customer must provide the Company in writing with an updated inventory of all equipment in each point of service, including the type and nameplate rating of each equipment, once a year on the customer's service contract date under this service option.
6. The Company may, at its sole discretion, test meter the load of the various types and capacity ratings of the customer's equipment at each connection point to the extent necessary to verify the estimated kW of connected load used to calculate the billing kWhr.
7. The term of contract shall be one year. After the initial term of contract, the unmetered service shall continue on a year to

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SCHEDULE G - (continued)

Special Terms and Conditions - continued:

- year basis until terminated by either party with a 30-day written notice.
8. Unmetered service shall not apply to a point of service where other loads other than civil defense sirens or traffic signal lights are connected.
  9. The Company shall have the sole discretion to determine the applicability of an unmetered service.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer and Energy Charges.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer and Energy Charges, and energy cost adjustment.

Rules and Regulations:

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

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Superseding Revised Sheet No. 54  
Effective January 1, 1997

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Effective

SCHEDULE J

General Service Demand

Availability:

Applicable to general light and/or power loads which exceed 5000 kilowatthours per month three times within a twelve-month period, or 25 kilowatts but less than 300 kilowatts per month, and supplied through a single meter.

Rate:

CUSTOMER CHARGE:

Single-Phase Service - per month	\$50.00/month
Three-Phase Service - per month	\$70.00/month

DEMAND CHARGE - (To be added to Customer Charge)

All kW of billing demand - per kW per month \$8.50/kW

ENERGY CHARGE: (To be added to Customer and Demand Charges)

First	200 kWhr/month/kW of billing demand - per kWhr	11.4539¢/kWhr
Next	200 kWhr/month/kW of billing demand - per kWhr	10.3058¢/kWhr
All over	400 kWhr/month/kW of billing demand - per kWhr	9.2770¢/kWhr

Minimum Charge:

The minimum monthly charge shall be the sum of the Customer and the Demand Charges. The Demand Charge shall be computed with the above demand charge applied to kilowatts of demand, but not less than \$212.50 per month. The kilowatts of demand for the minimum charge calculation each month shall be the highest of the maximum demand for the month, the greatest maximum demand of the preceding eleven months or 25 kW.

Determination of Demand:

The maximum demand for each month shall be the maximum average load in kW during any fifteen-minute period as indicated by a demand meter. The billing demand for each month shall be the highest of the maximum demand for such month, or the mean of maximum demand for the

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SCHEDULE J - (continued)

Determination of Demand - Continued

current month and the greatest maximum demand for the preceding eleven (11) months, whichever is the higher, but not less than 25 kW.

This Schedule is closed to new customers with kW demand equal to or greater than 300 kW after \_\_\_\_\_, 2005. Existing customers with maximum measured kW demand equal to, or greater than 300 kW per month may continue to receive service under this Schedule, until the customer transfer to other applicable rate schedule.

Power Factor:

The above demand and energy charges are based upon an average monthly power factor of 85%. For customers with maximum measured demands in excess of 200 kilowatts per month for one time within a twelve-month period, the following power factor adjustment will apply for all succeeding billing periods.

For each 1% the average power factor is above or below 85%, the energy and demand charges as computed under the above rates shall be decreased or increased, respectively, by 0.10%. The power factor will be computed to the nearest whole percent.

In no case, however, shall the power factor be taken as more than 100% for the purpose of computing the adjustment.

The average monthly power factor will be determined from the readings of a kWh meter and a Kvarh meter. The Kvarh meter shall be ratcheted to prevent reversal in the event the power factor is leading at any time.

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Superseding Revised Sheet No. 54B  
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SCHEDULE "J" (continued)

Supply Voltage Delivery:

If the customer takes delivery at the Company's supply line voltage, the demand and energy charges will be decreased as follows:

Transmission voltage supplied without further transformation	3.0%
Distribution voltage supplied without further transformation	2.1%

Metering will normally be at the delivery voltage. When customer's transformers are adjacent to the delivery point, the customer may elect to be metered at a single point on the secondary side of his transformers where such point is approved by the Company. When the energy is metered on the secondary side of the customer's transformers, the above decreases will be 2.4% and 0.6%, respectively.

NETWORK SERVICE ADJUSTMENT:

Because of the inherent operating conditions in the downtown area supplied from the Company's underground network system, the Company will deliver and meter the service to customers in this area at 120/208Y or 277/480Y volts. The demand and energy charges will be increased by 0.9%.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy Charges, Supply Voltage Delivery Adjustment, Power Factor Adjustment, and Network Service Adjustment.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy Charges, Supply Voltage Delivery Adjustment, Power Factor Adjustment, Network Service Adjustment, and energy cost adjustment.

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SCHEDULE J - (continued)

Term of Contract:

Not less than five years beginning from the service start date. If service is terminated before the end of the initial contract term, the customer shall be charge a termination fee equal to the total connection costs incurred by the Company to serve the customer less customer advance and/or contribution paid by the customer.

Rules and Regulations:

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

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Superseding Revised Sheet No. 55  
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SCHEDULE "H"

Commercial Cooking, Heating  
Air Conditioning and Refrigeration Service

Availability:

Applicable to commercial cooking, heating (including heat pump waterheaters), air conditioning and refrigeration service. This schedule applies only where the voltage supplied by the Company is less than 600 volts.

Rate:

CUSTOMER CHARGE:

Single phase service - per month	\$25.00
Three phase service - per month	\$60.00

DEMAND CHARGE: (To be added to Customer Charge)

\$9.00 per kw per month of required kw load, but in no case less than \$9.00 per month.

ENERGY CHARGE: (To be added to Customer and Demand Charges)

All kwhr per month - per kwhr 11.2948 ¢/kWhr

Minimum Charge:

The minimum monthly charge shall be the sum of Customer and Demand Charges.

Determination of Required kw load:

The required kw load for billing purposes shall be:

A. The sum of:

- 1) The total connected motor load;
- 2) 50% of the connected heating load, exclusive of cooking and all-electric resistance and heat pump waterheating; and
- 3) the connected all-electric waterheating load in excess of one-sixth kilowatt per gallon of storage capacity; or

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SCHEDULE "H" (continued)

- B. When the load is 25 KW or more the demand may be determined by measured demand. The maximum demand for each month shall be the maximum average load during any fifteen-minute period as indicated by a demand meter. The demand for each month shall be the maximum demand for such month, the highest demand in the preceding eleven months, or 25 KW, whichever is highest. Measured demand service under this schedule will be referred to as Schedule "K" service. The Schedule K service will be closed to new customers after August 31, 1992.

The required kw load will be determined to the nearest one-tenth kw.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy Charges.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy Charges, and energy cost adjustment.

Rules and Regulations:

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

Term of Contract:

Not less than one year.

HAWAIIAN ELECTRIC COMPANY, INC.

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Superseding Revised Sheet No. 57  
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SCHEDULE PS

LARGE POWER SECONDARY VOLTAGE SERVICE

AVAILABILITY:

Applicable to large light and/or power loads equal or greater than 300 kilowatts, supplied and metered at a single voltage and delivery point. Service under this Schedule shall be delivered at a secondary voltage specified by the Company.

RATES:

CUSTOMER CHARGE - \$ per customer per month: \$350.00/month

DEMAND CHARGE - \$ per kW of billing demand:

First 500 kW of billing demand - per kW	\$16.35/kW
Next 1000 kW of billing demand - per kW	\$15.85/kW
Over 1500 kW of billing demand - per kW	\$14.85/kW

ENERGY CHARGE - ¢ per kWh:

First 200 kWh/month/kW of billing demand - per kWh	9.5242¢/kWh
Next 200 kWh/month/kW of billing demand - per kWh	8.7259¢/kWh
Over 400 kWh/month/kW of billing demand - per kWh	8.4164¢/kWh

NETWORK SERVICE ADJUSTMENT:

Because of the inherent operating conditions in the downtown area supplied from the Company's underground network system, the Company will deliver and meter the service to customers in this area at 120/208Y or 277/480Y volts. The demand and energy charges will be increased by 0.9%.

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Superseding Revised Sheet No. 58  
Effective June 1, 2001

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SCHEDULE PS - (continued)

MINIMUM CHARGE:

The minimum monthly charge shall be the sum of the Customer and Demand charges. The Demand Charge shall be computed with the above demand charge applied to kilowatts of demand. The kilowatts of demand for the minimum charge calculation each month shall be the highest of the maximum demand for the month, the greatest maximum demand for the preceding eleven months, or 300 kW.

DETERMINATION OF DEMAND:

The maximum demand for each month shall be the maximum average load in kW during any fifteen-minute period as indicated by a demand meter. The billing demand for each month shall be the highest of the maximum demand for such month, or the mean of maximum demand for the current month and the greatest maximum demand for the preceding eleven (11) months, whichever is the higher, but not less than 300 kW.

Power Factor:

The above demand and energy charges are based upon an average monthly power factor of 85%. For each 1% the average power factor is above or below 85%, the monthly energy and demand charges as computed above, shall be decreased or increased, respectively, by 0.10%. The power factor will be computed to the nearest whole percent.

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Superseding Revised Sheet No. 58A  
Effective June 1, 2001

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Schedule PS - (continued)

Power Factor - continued

In no case, however, shall the power factor be taken as more than 100% for the purpose of computing the adjustment.

The average monthly power factor will be determined from the readings of a kWhr and Kvarh meter. The Kvarh meter shall be ratcheted to prevent reversal in the event the power factor is leading at any time.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy charges, Network Service adjustment, and Power Factor adjustment.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy charges, Network Service adjustment, Power Factor adjustment, and energy cost adjustment.

TERM OF CONTRACT:

Not less than five years beginning from the service start date. If service is terminated before the end of the contract term, the customer shall be charge a termination fee equal to the total connection costs incurred by the Company to serve the customer less customer advance and/or contribution paid by the customer.

RULES AND REGULATIONS:

Service supplied under this rate schedule shall be subject to the Rules and Regulations of the Company.

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Superseding SHEET NO. 58B  
Effective June 1, 2001

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SCHEDULE PP

LARGE POWER PRIMARY VOLTAGE SERVICE

AVAILABILITY:

Applicable to large light and/or power loads equal or greater than 300 kilowatts, supplied and metered at a single voltage and delivery point. Service under this Schedule shall be delivered at a primary voltage specified by the Company.

RATES:

CUSTOMER CHARGE - \$ per customer per month: \$400.00/month

DEMAND CHARGE - \$ per kW of billing demand:

First 500 kW of billing demand - per kW	\$16.15/kW
Next 1000 kW of billing demand - per kW	\$15.65/kW
Over 1500 kW of billing demand - per kW	\$14.65/kW

ENERGY CHARGE - ¢ per kWh:

First 200 kWh/month/kW of billing demand - per kWh	9.5020¢/kWhr
Next 200 kWh/month/kW of billing demand - per kWh	8.7188¢/kWhr
Over 400 kWh/month/kW of billing demand - per kWh	8.4153¢/kWhr

SECONDARY METERING ADJUSTMENT FOR SERVICE AT PRIMARY VOLTAGE:

Metering will normally be at the delivery point. For services delivered at primary voltage and metered on the secondary side of the customer's transformers which are adjacent to the delivery point, and where the metering point is approved by the Company, a secondary metering adjustment of 0.1800 ¢/kWhr shall be added to the above energy charge.

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Superseding SHEET NO. 58C  
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SCHEDULE PP - (continued)

MINIMUM CHARGE:

The minimum monthly charge shall be the sum of the Customer and Demand charges. The Demand Charge shall be computed with the above demand charge applied to kilowatts of demand. The kilowatts of demand for the minimum charge calculation each month shall be the highest of the maximum demand for the month, the greatest maximum demand for the preceding eleven months, or 300 kW.

DETERMINATION OF DEMAND:

The maximum demand for each month shall be the maximum average load in kW during any fifteen-minute period as indicated by a demand meter. The billing demand for each month shall be the highest of the maximum demand for such month, or the mean of maximum demand for the current month and the greatest maximum demand for the preceding eleven (11) months, whichever is the higher, but not less 300 kW.

Power Factor:

The above demand and energy charges are based upon an average monthly power factor of 85%. For each 1% the average power factor is above or below 85%, the monthly energy and demand charges as computed above, shall be decreased or increased, respectively, by 0.10%. The power factor will be computed to the nearest whole percent. In no case, however, shall the power factor be taken as more than 100% for the purpose of computing the adjustment.

The average monthly power factor will be determined from the readings of a kWhr and Kvarh meter. The Kvarh meter shall be ratcheted to prevent reversal in the event the power factor is leading at any time.

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Superseding SHEET NO. 58D  
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Schedule PP - (continued)

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy charges, Secondary Metering adjustment, and Power Factor adjustment.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy charges, Secondary Metering Adjustment, Power Factor, and energy cost adjustment.

TERM OF CONTRACT:

Not less than five years beginning from the service start date. If service is terminated before the end of the contract term, the customer shall be charge a termination fee equal to the total connection costs incurred by the Company to serve the customer less customer advance and/or contribution paid by the customer.

RULES AND REGULATIONS:

Service supplied under this rate schedule shall be subject to the Rules and Regulations of the Company.

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SCHEDULE PT

LARGE POWER TRANSMISSION VOLTAGE SERVICE

AVAILABILITY:

Applicable to large light and/or power loads equal or greater than 300 kilowatts, supplied and metered at a single voltage and delivery point. Service under this Schedule shall be delivered at transmission voltage specified by the Company.

RATES:

CUSTOMER CHARGE - \$ per customer per month: \$400.00/month

DEMAND CHARGE - \$ per kW of billing demand:

First 500 kW of billing demand - per kW	\$16.00/kW
Next 1000 kW of billing demand - per kW	\$15.50/kW
Over 1500 kW of billing demand - per kW	\$14.50/kW

ENERGY CHARGE - ¢ per kWhr:

First 200 kWh/month/kW of billing demand - per kWhr	9.4280 ¢/kWhr
Next 200 kWh/month/kW of billing demand - per kWhr	8.6561 ¢/kWhr
Over 400 kWh/month/kW of billing demand - per kWhr	8.3570 ¢/kWhr

SECONDARY METERING ADJUSTMENT FOR SERVICE AT TRANSMISSION VOLTAGE:

Metering will normally be at the delivery point. For services delivered at transmission voltage and metered on the secondary side of the customer's transformers which are adjacent to the delivery point, and where the metering point is approved by the Company, the above demand and energy charges shall be increased by 0.6%.

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Superseding SHEET NO. 58F  
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SCHEDULE PT - (continued)

MINIMUM CHARGE:

The minimum monthly charge shall be the sum of the Customer and Demand charges. The Demand Charge shall be computed with the above demand charge applied to kilowatts of demand. The kilowatts of demand for the minimum charge calculation each month shall be the highest of the maximum demand for the month, the greatest maximum demand for the preceding eleven months, or 300 kW.

DETERMINATION OF DEMAND:

The maximum demand for each month shall be the maximum average load in kW during any fifteen-minute period as indicated by a demand meter. The billing demand for each month shall be the highest of the maximum demand for such month, or the mean of maximum demand for the current month and the greatest maximum demand for the preceding eleven (11) months, whichever is the higher, but not less than 300 kW.

Power Factor:

The above demand and energy charges are based upon an average monthly power factor of 85%. For each 1% the average power factor is above or below 85%, the monthly energy and demand charges as computed above, shall be decreased or increased, respectively, by 0.10%. The power factor will be computed to the nearest whole percent. In no case, however, shall the power factor be taken as more than 100% for the purpose of computing the adjustment.

The average monthly power factor will be determined from the readings of a kWhr meter and Kvarh meter. The Kvarh meter shall be ratcheted to prevent reversal in the event the power factor is leading at any time.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding SHEET NO. 58G  
Effective June 1, 2001

REVISED SHEET NO. 58G  
Effective

Schedule PT - (continued)

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy charges, Secondary Metering adjustment, and Power Factor adjustment.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy charges, Secondary Metering adjustment, Power Factor adjustment, and energy cost adjustment.

TERM OF CONTRACT:

Not less than five years beginning from the service start date. If service is terminated before the end of the contract term, the customer shall be charge a termination fee equal to the total connection costs incurred by the Company to serve the customer less the customer advance and/or contribution paid by the customer.

RULES AND REGULATIONS:

Service supplied under this rate schedule shall be subject to the Rules and Regulations of the Company.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 59  
Effective January 1, 1997

REVISED SHEET NO. 59  
Effective

SCHEDULE F

Public Street Lighting, Highway Lighting and  
Park and Playground Floodlighting

Availability:

Applicable only to public street and highway lighting, and public outdoor park and playground floodlighting service where the customer owns, maintains and operates the lighting fixtures and interconnecting circuits and conversion equipment. This rate is applicable to gaseous discharge lighting (Mercury Vapor) provided the regulator is corrected to power factor equivalent to the addition of one (1) KVAR of capacitors for each kW of name plate rating of the regulator. Under this schedule energy shall be supplied and metered at a nominal voltage of 2400 volts or more, as specified by the Company, except as set forth below under Special Terms and Conditions.

Rate:

CUSTOMER CHARGE -  
\$20.00 per month for each point of delivery.

ENERGY CHARGE - ¢ per kWhr:  
First 150 kWhr/month/kW of billing demand - per kWhr 16.3164 ¢/kWhr  
All over 150 kWhr/month/kW of billing demand - per kWhr 12.3423 ¢/kWhr

Minimum Charge:

\$35.00 per month for each point of delivery.

Determination of Demand:

The maximum demand for each month shall be the maximum average load in kW during any fifteen-minute period as indicated by a demand meter. The billing demand for each month shall be the maximum demand for such month but not less than 50% of the greatest maximum demand for the preceding eleven months.

Optional Secondary Metering for Street and Highway Lighting:

The street and highway lighting customer may elect to be metered at a single point on the secondary side of his transformers where such point is approved by the Company. When the energy is metered on the secondary side of the customer's transformers, the energy charge will be increased by 1.5%.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Revised Sheet No. 60  
Effective September 1, 1992

REVISED SHEET NO. 60  
Effective

SCHEDULE F - (continued)

Special Terms and Conditions:

Multiple street lighting lamps may be individually served unmetered at secondary voltage along public streets and highways when, (1) in an overhead area, secondary voltage is available on the lamp pole or (2), in an underground area, secondary voltage is available along the public street. The total connected lamp load per connection point shall not exceed 2 KW. A one-year contract is required for service under this provision and each such contract will remain in effect from year to year thereafter unless, after the first year, terminated by 30 days notice in writing. Each contract will constitute a point of delivery. The monthly billing demand will be the connected lamp load expressed in kilowatts times 1.02 to the nearest one-tenth kilowatt, and the monthly billing kilowatt-hours will be 340 times the billing demand. The customer will provide a switching device for each lamp to limit the annual burning time to not more than 4100 hours.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer and Energy Charges.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer and Energy Charges, and energy cost adjustment.

Rules and Regulations:

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Sheet No. 61  
Effective January 1, 1995

REVISED SHEET NO. 61  
Effective

SCHEDULE U

TIME-OF-USE SERVICE

AVAILABILITY:

Applicable to general light and/or power loads equal to or greater than 300 kilowatts per month and supplied and metered at a single voltage and delivery point. This Schedule cannot be used in conjunction with load management Riders M, T, and I.

TIME-OF-DAY RATING PERIODS:

The time-of-day rating periods shall be as follows:

On-Peak Period: 7:00 a.m. - 9:00 p.m., daily  
Off-Peak Period: 9:00 p.m. - 7:00 a.m., daily

RATE:

CUSTOMER CHARGE - per month \$350.00/month

DEMAND CHARGE - (To be added to Customer Charge)

All On-Peak kW of billing demand - per kW \$19.00/kW

ENERGY CHARGE - (To be added to Customer and Demand Charges)

All On-Peak kWhr per month - per kWhr 11.0063 ¢/kWhr  
All Off-Peak kWhr per month - per kWhr 7.0000 ¢/kWhr

Minimum Charge:

The monthly minimum charge shall be the sum of the Customer and the Demand Charges. The Demand Charge shall be computed with the above demand charge applied to kilowatts of demand. The kilowatts of billing demand for the minimum charge calculation for each month shall be the highest of the maximum on-peak demands for such month but not less than 300 kW.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Sheet No. 61A  
Effective January 1, 1995

REVISED SHEET NO. 61A  
Effective

SCHEDULE U - (continued)

DETERMINATION OF TIME-OF-USE ENERGY AND DEMAND:

The Company shall install a time-of-use meter to measure the customer's kilowatthour consumption and kilowatt load during the time-of-day rating periods. The maximum demand for the rating periods for each month shall be the maximum average load in kilowatts during any fifteen-minute period as indicated by a time-of-use meter. The on-peak kilowatts of billing demand for each month shall be the maximum on-peak demand for such month but not less than 300 kilowatts.

Power Factor:

The above energy and demand charges are based upon an average monthly power factor of 85%. For each 1% the average power factor is above or below 85%, the monthly energy and demand charges as computed under the above rates shall be decreased or increased, respectively, by 0.10%

The average monthly power factor will be determined from the readings of a kWhr meter and kvarh meter, and will be computed to the nearest whole percent and not exceeding 100% for the purpose of computing the adjustment. The kvarh meter shall be ratcheted to prevent reversal in the event the power factor is leading at any time.

Special Terms and Conditions:

Supply Voltage Delivery:

If the customer takes delivery at the Company's supply line voltage, the demand and energy charges will be decreased as follows:

Transmission voltage supplied without further transformation -3.0%  
Distribution voltage supplied without further transformation -2.1%

Metering will normally be at the delivery voltage. When the customer's transformers are adjacent to the delivery point, the customer may elect to be metered at a single point on the secondary side of his transformers where such point is approved by the Company. When the energy is metered on the secondary side of the customer's transformers, the above decreases will be 2.4% and 0.6%, respectively.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Sheet No. 61B  
Effective January 1, 1996

REVISED SHEET NO. 61B  
Effective

SCHEDULE U - (continued)

Because of the inherent operating conditions in the downtown area supplied from the Company's underground network system the Company will deliver and meter service to customers in this area at 120/208Y or 277/480Y volts (See Rule 2). The demand and energy charges will be increased 0.9%.

Energy Cost Adjustment Clause:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy charges, Service Voltage adjustment, Network Service adjustment, and Power Factor adjustment.

Integrated Resource Planning Surcharge:

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy charges, Service Voltage adjustment, Network Service adjustment, Power Factor adjustment, and energy cost adjustment.

Rules and Regulations:

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

TERM OF CONTRACT:

Not less than five years beginning from the service start date. If service is terminated before the end of the contract term, the customer shall be charge the total connection costs incurred by the Company to serve the customer less any customer advance and/or contribution paid by the customer.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Revised Sheet No. 62  
Effective August 21, 1972

REVISED SHEET NO. 62  
Effective June 1, 1996

SCHEDULE E

Electric Service for Employees

Availability:

Applicable to all regular full-time Company employees, Company retirees, members of the Company Board of Directors, and retirees of Hawaii Electric Light Company, Inc. and Maui Electric Company, Ltd. who retired on or after January 1, 1996 and who are served by Hawaiian Electric Company, Inc. This schedule is applicable to the above customers' residential electric service in a single family dwelling unit metered and billed separately by the Company, subject to the Special Terms and Conditions specified below. This schedule does not apply where a residence and business are combined.

Rate:

The rates applicable to service under this schedule shall be two-thirds (2/3) of the current effective Schedule R rates - Residential Service, for usage up to 825 kwh per month. Energy usage above 825 kwh shall be charged the full Schedule R energy rates.

Special Terms and Conditions:

1. "Regular full-time Company employee" is defined as an employee who has successfully completed any required probationary requirements, is hired for an indefinite period, and who works no less than 40 hours per week.
2. This schedule is applicable only to primary residences.
3. Availability of this schedule terminates six months after death of eligible employee, retiree, or member of the Board of Directors.

Rules and Regulations:

Service supplied under this schedule shall be subject to the Rules and Regulations of the Company.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 7766  
Decision and Order No. 14412

Superseding Revised Sheet No. 63  
Effective January 1, 1996

REVISED SHEET NO. 63  
Effective

ENERGY COST ADJUSTMENT CLAUSE

Applicable To

- Schedule R - Residential Service
- Schedule E - Electric Service for Employees
- Schedule G - General Service - Non-Demand
- Schedule J - General Service - Demand
- Schedule H - Commercial Cooking, Heating, Air  
Conditioning and Refrigeration Service
- Schedule PS - Large Power Secondary Voltage Service
- Schedule PP - Large Power Primary Voltage Service
- Schedule PT - Large Power Transmission Voltage  
Service
- Schedule F - Public Street Lighting, Highway  
Lighting and Park and Playground  
Floodlighting
- Schedule U - Time-of-Use Service
- Schedule TOU-R - Residential Time-of-Use Service
- Schedule TOU-C - Commercial Time-of-Use Service

All terms and provisions of Schedules R, E, G, J, H, PS, PP, PT, F, U, TOU-R, and TOU-C are applicable, except that the Energy Cost Adjustment described below will be added to the customer bills.

All base rate schedule discounts, surcharges, and all other adjustments will not apply to the energy cost adjustment.

Energy Cost Adjustment Clause:

This Energy Cost Adjustment Clause shall include the following:

FUEL AND PURCHASED ENERGY - The above rates are based on the cost of fuel for Company generation (exclusive of company-owned CHP) of 561.79 cents per million Btu for fuel delivered in its service tanks, 7.661 cents per kilowatthour of company-owned CHP generation for fuel delivered to the fuel tank at the customer site used for the company-owned CHP, and the cost of purchased energy of 4.267 cents per kilowatthour. Company-generated energy from non-fuel sources shall be considered as zero fuel cost in the determination of the composite fuel cost. When the Company-generated net energy cost is more or less than 561.79 cents per million Btu, and/or the company-owned CHP energy cost is more or less than 7.661 cents per kilowatthour, and/or the purchased energy cost is more or less than 4.267 cents per kilowatthour, a corresponding adjustment (Energy Cost Adjustment Factor) to the energy charges shall be made. This adjustment shall be

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 63A  
Effective January 1, 1996

REVISED SHEET NO. 63A  
Effective

Energy Cost Adjustment Clause - (continued)

comprised of a Company Generation Component, a CHP Generation Component and a Purchased Energy Component.

The Company Generation Component shall be the difference between the current generation cost and the base generation cost, adjusted for additional revenue taxes. The current generation cost shall be determined by the current fuel cost in cents per million Btu, multiplied by a generation conversion factor of 0.011077 million Btu per kilowatthour, weighted by the proportion of current Company generation (exclusive of company-owned CHP) to total system net energy in kilowatthours. The base generation cost is the base fuel cost of 561.79 cents per million Btu multiplied by a generation conversion factor of 0.011077 million Btu per kilowatthour, weighted by the proportion of the 2005 test year generation to total system net energy in kilowatthours.

The CHP Energy Component shall be the difference between the current cost of CHP energy in cents per kilowatthour weighted by the proportion of current company-owned CHP energy to total system net energy, and the base CHP energy cost of 7.661 cents per kilowatthour weighted by the proportion of the 2005 test year CHP energy to total system net energy, adjusted to the sales delivery level and for revenue taxes.

The Purchased Energy Component shall be the difference between the current purchased energy cost weighted by the proportion of current purchased energy to total system net energy, and the base purchased energy cost of 4.267 cents per kilowatthour weighted by the proportion of the 2005 test year purchased energy to total system net energy, adjusted to the sales delivery level and for additional revenue taxes.

The Energy Cost Adjustment Factor shall be the sum of the Generation Component, the CHP Energy Component and the Purchased Energy Component.

The revenue tax requirement shall be calculated using current rates of the Franchise Tax, Public Service Company Tax, and Public Utility Commission fee.

The Energy Cost Adjustment shall be effective on the date of cost change. When a cost change occurs during a customer's billing period, the Energy Cost Adjustment will be prorated for the number of days each cost was in effect.

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 63B  
Effective

Energy Cost Adjustment Clause -(continued)

This Energy Cost Adjustment Clause is consistent with the terms of the Company's operations, purchased energy contracts, and CHP contracts, and may be revised to reflect any revisions or changes in the Company's operations, purchased energy contracts, and CHP contracts, subject to approval by the Commission.

Reconciliation Adjustment:

In order to reconcile any differences that may occur between recorded and forecasted Energy Cost Adjustment Clause revenues, the year-to-date recorded revenue from the Energy Cost Adjustment Clause will be compared with the year-to-date revenue expected from the Energy Cost Adjustment Clause on a quarterly basis. If there is a variance between the recorded Energy Cost Adjustment Clause revenue and the expected Energy Cost Adjustment Clause revenue, an adjustment, lagged by two months, shall be made to the Energy Cost Adjustment Clause to reconcile the revenue variance over the sales estimated for the subsequent quarter.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Sheet No. 64  
Effective January 1, 1986

REVISED SHEET NO. 64  
Effective

RIDER I

Interruptible Contract Service

Availability:

This Rider is applicable to service supplied and metered at a single voltage and delivery point where 100 kW or greater is subject to disconnection by the utility under the terms and conditions as set forth in the contract agreement.

Rates:

Reduction in demand charge as set forth in a contract between the customer and the utility and approved by the Public Utilities Commission.

Term of Contract:

Not less than five years.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O NO. \_\_\_\_\_.

Superseding Revised Sheet No. 65  
Effective February 1, 1998

REVISED SHEET NO. 65  
Effective

RIDER M

Off-Peak and Curtailable Service

AVAILABILITY:

This Rider is available to customers served under rate Schedule J, PS, PP, or PT, whose maximum measured demands prior to any load modifications effected under this rider, exceed 100 and 300 kilowatts, respectively. This Rider cannot be used in conjunction with Rider T, Rider I, Schedule U, and Schedule TOU-C.

RATES:

A. Basic Rates

The rate(s) for service under this Rider shall be as specified under the regular Schedule J, PS, PP, or PT whichever is applicable, except that the Minimum Charge and the determination of billing demand used in the calculation of demand and energy charges shall be as defined below, subject to the requirements under the Determination of Demand provision of the applicable rate schedule.

The customer shall select Option A - Off-Peak Service or Option B - Curtailable Service:

OPTION A - OFF-PEAK SERVICE:

- 1) Any demand occurring during the off-peak period shall not be considered in determining the billing kW demand for each month, but shall be used in determining the excess off-peak charge. Only the maximum kW demand occurring during the on-peak period shall be used in the determination of the billing kW demand for the calculation of the demand charge, energy charge and minimum charge as specified in the regular Schedule J, PS, PP, or PT.
- 2) An excess Off-Peak Charge of \$2.00 per kilowatt shall be added to the regular rate schedule charges for each kilowatt that the maximum off-peak demand exceeds the maximum demand during of the on-peak period.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 65A  
Effective February 1, 1998

REVISED SHEET NO. 65A  
Effective

RIDER M - (continued)

OPTION A - continued:

- 3) For calculation of the excess off-peak charge for each month, the maximum off-peak demand and maximum demand during the on-peak period shall be the highest measured demands during the respective periods for such month.
- 4) The time-of-use rating period shall be defined as follows:  
On-Peak Period: 7 a.m. - 9 p.m. Fourteen hours, Daily  
Off-Peak Period: 9 p.m. - 7 a.m. Ten hours, Daily
- 5) The monthly minimum charge shall be the sum of the customer charge, demand charge, Excess Off-Peak Charge, and Time-of-Day Metering Charge specified below.

OPTION B - CURTAILABLE SERVICE:

- 1) A customer who chooses curtailable service shall curtail his/her kW demand during the Company's curtailment hours, and shall indicate the load that he/she is willing to curtail. This curtailable load must be load that is normally operated during the Company's curtailment hours and must be at least 50 horsepower for motor loads served under Schedule J, and 150 horsepower for motor loads served under Schedule PS, PP, and PT, or 50 and 150 kilowatts for other than motor loads, respectively.
- 2) The Company may install a meter, in accordance with Rule 14, to measure the customer's curtailable load prior to the start of curtailable service under this Rider.
- 3) For billing purposes, the curtailed kW demand shall be determined monthly as the difference between the maximum kW demands outside of the curtailment hours and the maximum kW

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Superseding Revised Sheet No. 65B  
Effective February 1, 1998

REVISED SHEET NO. 65B  
Effective

RIDER M - (continued)

OPTION B - continued:

demand during the curtailment hours measured for each month, but not to exceed the curtailable kW load specified in the customer's Rider M contract.

- 4) The customer shall choose one of the curtailment periods specified below. The billing demand under this curtailable service option shall be the normal billing demand under Schedule J, PS, PP, or PT reduced by:

Option 1) 75% of the curtailed kilowatt demand if the curtailment period is fixed throughout the year from 5 p.m. to 9 p.m., Monday through Friday; or

Option 2) 40% of the curtailed kilowatt demand if the curtailment period is two (2) consecutive hours as specified by the Company.

- 5) The monthly minimum charge shall be the sum of the customer charge, demand charge, and the Time-of-Day Metering Charge specified below.

Where the Company specifies the curtailment period, the Company shall give the customer at least 30 days notice prior to changing the curtailment period.

B. TIME-OF-DAY METERING CHARGE:

The Company shall install a time-of-use meter to measure the customer's maximum kW load during the time-of-day rating periods and curtailment periods.

An additional time-of-day metering charge of \$10.00 per month shall be assessed to cover the additional cost of installing, operating, and maintaining a time-of-use meter.

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Superseding Revised Sheet No. 65C  
Effective February 1, 1998

REVISED SHEET NO. 65C  
Effective

RIDER M - (continued)

C. TERMS OF CONTRACT:

1. The initial term of contract shall be at least 5 years. Thereafter, the contract shall continue from year-to-year until terminated by either party by a 30-day written notice.
2. A customer applying for service under this Rider shall sign a standard Rider M contract form with the Company.
3. The customer shall be allowed to take service under this Rider for a six-month trial period without penalty for termination within this period.
4. If the contract is terminated after the first six-months trial period, but before the first five-year period which begins from the start date of the customer's service under this Rider, the customer shall be assessed a termination charge equal to the last six months discount received under this Rider.
5. The customer may request a change of Rider options (Option A - Off-Peak Service or Option B - Curtailable Service) or curtailment hours (Options 1 or 2 under Curtailable Service) by providing a 30-day written notice to the Company. The change will become effective after the next regular meter reading following the receipt of such written notice by the Company, provided however, the Company may not be required to make such change until 12 months of service has been rendered after the last change, unless a new or revised Rider has been authorized, or unless a customer's operating conditions have altered so as to warrant such change.
6. If under the curtailable service option the customer fails to curtail his maximum demand during the curtailment period three times within a twelve-month period, the Company may terminate the Rider M contract by a 30-day written notice to the customer. If service under this Rider

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Superseding Sheet No. 65D  
Effective February 1, 1998

Revised SHEET NO. 65D  
Effective

RIDER M - (continued)

C. TERMS OF CONTRACT - continued:

is terminated due to the customer's failure to curtail his demand as provided in the contract, the customer shall be assessed a termination charge equal to the last six months discount received under this Rider.

7. Service supplied under this Rider shall be subject to the Rules and Regulations of the Company.

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Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Revised Sheet No. 67  
Effective January 1, 1995

REVISED SHEET NO. 67  
Effective

RIDER T  
TIME-OF-DAY RIDER

AVAILABILITY:

This rider is available to customers on rate Schedule J, PS, PP, or PT but cannot be used in conjunction with the load management Rider M, Rider I, Schedule U, and Schedule TOU-C.

TIME-OF-DAY RATING PERIODS:

The time-of-day rating periods under this Rider shall be as follows:

On-Peak Period: 7:00 a.m. - 9:00 p.m., Daily  
Off-Peak Period: 9:00 p.m. - 7:00 a.m., Daily

RATE:

The rate(s) for service under this Rider including the Customer Charge, Energy Charge, and Demand Charge shall be as specified in the regular rate Schedule J, PS, PP, or PT except that the following charges shall be added:

TIME-OF-DAY METERING CHARGE - per month \$10.00

TIME-OF-DAY ENERGY CHARGE ADJUSTMENTS:

On-Peak Energy Surcharge - all on-peak kwh +2.00 cents/kwh  
Off-Peak Energy Credit - all off-peak kwh -3.00 cents/kwh

MINIMUM CHARGE:

The Minimum Charge shall be as specified under the regular rate schedule except that it shall include the Time-of-Day Metering Charge. In addition, the monthly average energy charge computed from the regular energy charge and the above Time-of-Day energy charge adjustments including the energy cost adjustment, cannot be lower than the off-peak avoided energy cost at the metering point.

DETERMINATION OF DEMAND:

The Determination of Demand shall be as specified in the regular rate schedule, except that only the on-peak Kw demand shall be used in the determination of the kilowatts of billing demand for the Demand Charge, the regular Energy Charge and the Minimum Charge calculations.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 67A  
Effective January 1, 1995

REVISED SHEET NO. 67A  
Effective

Rider T (Continued)

VOLTAGE SERVICE AND POWER FACTOR ADJUSTMENTS:

The voltage service and power factor adjustments shall be as specified in the regular rate schedule.

MEASUREMENT OF TIME-OF-DAY ENERGY AND DEMAND:

The Company shall install a time-of-use meter to measure the customer's energy consumption and maximum kW demand during the time-of-day rating periods.

TERMS OF AGREEMENT:

A customer applying for service under this Rider shall sign a standard Rider T contract form with the Company. Service under this Rider shall not be less than five years. The customer may terminate service under this Rider during the first six months without penalty. If the customer terminates service after the first six months but before the end of the first five-year period which begins from the start date of the customer's service under this Rider, the customer shall be charged a termination fee equal to the amount of the last six months of discount received under this Rider.

A customer may perform emergency maintenance on his equipment or load served under this rider during the on-peak period and the customer's maximum demand during that time will not be considered in the determination of the billing kW demand under the following conditions:

- a. The conditions under which the customer may perform emergency maintenance on his equipment or load during on-peak period will be defined in the customer's contract.
- b. The customer may perform such emergency maintenance during on-peak period only when approved by HECO, and will operate only for the duration approved by HECO. Such HECO approval shall be by phone, or by e-mail, or in writing to the customer.
- c. The customer must notify HECO as far in advance as possible, but not less than 1 hour before performing such emergency maintenance on his equipment or load during the on-peak period. Such notice shall be by phone, by e-mail, or in writing. HECO may approve the customer's request on capacity availability

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SHEET NO. 67B  
Effective

Rider T - (continued)

basis. Service to the customer under this condition may be interrupted at any time when HECO's system conditions dictate the necessity to interrupt service, or when in HECO's sole judgment the system may be impaired or the startup of another unit would be uneconomic.

- d. The customer's request to operate its load during the on-peak period under this condition cannot exceed four (4) times within a 12-month period.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Revised Sheet No. 68  
Effective July 1, 2004

REVISED SHEET NO. 68  
Effective

INTEGRATED RESOURCE PLANNING  
COST RECOVERY PROVISION

- Supplement To
- Schedule R - Residential Service
  - Schedule E - Electric Service For Employees
  - Schedule G - General Service Non-Demand
  - Schedule J - General Service Demand
  - Schedule H - Commercial Cooking, Heating, Air Conditioning and Refrigeration Service
  - Schedule PS - Large Power Secondary Voltage Service
  - Schedule PP - Large Power Primary Voltage Service
  - Schedule PT - Large Power Transmission Voltage Service
  - Schedule F - Public Street Lighting, Highway Lighting and Park and Playground Floodlighting
  - Schedule U - Time of Use Service
  - Schedule TOU-R - Residential Time-of-Use Service
  - Schedule TOU-C - Commercial Time-of-Use Service

All terms and provisions of Schedules R, E, G, J, H, PS, PP, PT, F, U, TOU-R, and TOU-C are applicable except that the total base rate charges for each billing period shall be increased by the following Integrated Resource Planning (IRP) Cost Recovery Adjustment, Residential Demand Side Management (DSM) Adjustment, and Commercial and Industrial Demand Side Management (DSM) Adjustment:

A: INTEGRATED RESOURCE PLANNING COST RECOVERY ADJUSTMENT:

All Rate Schedules .....0.000 percent

The total base rate charges for all rate schedules shall be increased by the above Integrated Resource Planning Cost Recovery Adjustment, which is based on the recovery of the \_\_\_\_\_ IRP Planning Costs and the reconciliation of \_\_\_\_\_ IRP Planning Costs, including interest and taxes, of \$\_\_\_\_\_, as approved by the Public Utilities Commission.

The total base rate charges for the current billing period shall include all base rate schedule charges, discounts, surcharges, or base rate adjustments, excluding the Energy Cost Adjustment, Residential DSM Adjustment, and Commercial and Industrial DSM Adjustment and temporary Rate Adjustment.

B: Residential Demand-Side Management (DSM) Adjustment:

Schedules R and TOU-R - per kWhr . . . . . \_\_\_\_\_¢/kWhr

The total residential monthly bill shall include the above Residential DSM adjustment applied to all kWh per month. The above Residential DSM adjustment is based on recovering \$\_\_\_\_\_ for the 200\_ residential program costs and lost revenue margins, the reconciliation of the 200\_ program cost recovery including lost revenue margins and revenue taxes, and the 200\_ shareholder incentives, for which recovery has been approved by the Commission.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 68A  
Effective June 1, 2004

REVISED SHEET NO. 68A  
Effective

Integrated Resource Planning Cost Recovery Provision - (continued)

C: Commercial and Industrial Demand-Side Management (DSM) Adjustment:

Schedules G, J, H, PS, PP, PT, U, TOU-C - per kWh \_\_\_\_\_ ¢/kWhr

The total monthly bill for Schedules G, J, H, PS, PP, PT, U, and TOU-C customers shall include the above Commercial and Industrial DSM adjustment applied to all kWh per month. The above adjustment is based on recovering \$\_\_\_\_\_ for the 200\_ program costs and lost revenue margins, the reconciliation of the 200\_ C&I program costs including the lost revenue margins and revenue taxes, and the 200\_ shareholders incentives, for which recovery has been approved by the Public Utilities Commission.

RECONCILIATION ADJUSTMENT: (To be added to Integrated Resource Planning Cost Recovery Adjustment, Residential DSM Adjustment, and Commercial and Industrial DSM Adjustment):

In order to reconcile any differences that may occur between the above costs to be recovered and the revenues received from the above adjustments, recorded revenues will be compared with the above costs. The Integrated Resource Planning Cost Recovery Adjustment, Residential DSM Adjustment, and the Commercial and Industrial DSM Adjustment will be reconciled annually. If there is a variance between the recorded revenues from the adjustments and the costs to be recovered, a reconciliation adjustment, lagged by two months, will be made to the above adjustments.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Revised Sheet No. 81  
Effective January 1, 1996

REVISED SHEET NO. 81  
Effective

SCHEDULE Q

Purchases From Qualifying Facilities - 100 KW or Less

Availability:

This schedule is available to customers with cogeneration and/or small power production facilities which qualify under the Commission's Rules, Chapter 74 of Title 6, Subchapter 2 with a design capacity of 100 kilowatts or less. Such qualifying facilities (QF's) shall be designed to operate properly in parallel with the Company's system without adversely affecting the operations of its customers and without presenting safety hazards to the Company's or other customer's personnel. The customer shall comply with the Company's requirements for customer generation interconnected with the utility system.

Energy delivered to the customer by the Company will be metered separately from the energy delivered by the customer to the Company.

Rate for Energy Delivered to the Company by Customer

The Company will pay for energy as follows:

All kwh per month - per kwhr                      6.96 ¢/kWhr

Energy Delivered to the Customer by the Company:

Energy delivered to the customer shall be billed under the Company's applicable rate schedule.

Service Charge:

A service charge of \$20.00 per month shall be added to the customer's total electric bill for the energy delivered to the customer for the billing and administration of the purchase power.

If a customer is only selling power to the Company under this Schedule, and is not receiving electric power service from the Company under any of the Company's applicable rate schedule, the customer shall be charge the customer charge under Schedule J to cover the metering, meter reading, billing and administration of the purchase power. In this situation, the above Service Charge will not apply.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 81A  
Effective January 1, 1996

REVISED SHEET NO. 81A  
Effective

SCHEDULE Q - (continued)

System Compatibility:

The customer must deliver electric power at 60 hertz and the same phase and voltage as the customer receives service from the Company.

Interconnection Facilities:

The customer shall furnish, install, operate and maintain facilities such as relays, switches, synchronizing equipment, monitoring equipment and control and protective devices designated by the Company as suitable for parallel operation with the Company system. Such facilities shall be accessible at all times to authorized Company personnel. All designs should be approved by the Company prior to installation.

If additional Company facilities are required or the existing facilities must be modified to accept the QF's deliveries, the QF shall make a contribution for the cost of such additional facilities.

Contract:

The Company shall require a contract specifying technical and operating aspects of parallel generation.

Energy Cost Adjustment Clause:

The above rate for energy delivered to the Company by the Customer is based on a cost of fuel for Company generation of 562.52 cents per million Btu for fuel delivered in its service tanks. Effective the first day of January, April, July, and October an Adjustment shall be made to reflect the Company-generated fuel cost on file with the Commission and shall be effective for the following three months.

The Adjustment shall be the sum of the time-weighted on-peak adjustment (14 hours of 24 hours) and off-peak adjustment (10 hours of 24 hours). On-peak and off-peak adjustments shall be determined by the amount of the Company-generated fuel cost increase or decrease (in terms of cents per million Btu) from the base of 562.52 cents per million Btu multiplied by an on-peak heat rate of 13,382 Btu per net

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

SHEET NO. 81B  
Effective

SCHEDULE Q - (continued)

kilowatthour and an off-peak heat rate of 9,929 Btu per net kilowatthour.

This Energy Cost Adjustment Clause is consistent with the terms of the Company's operations and may be revised to reflect any revisions or changes in operations, subject to approval by the Commission.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Sheet No. 82  
Effective October 23, 1996

REVISED SHEET NO. 82  
Effective January 1, 1999

GREEN PRICING PROGRAM PROVISION

AVAILABILITY:

Available to all residents/non-residents of the Island of Oahu who wish to make voluntary contributions for the development of renewable energy resources on Oahu.

GREEN PRICING PROGRAM:

The objective of the Green Pricing Program is to encourage the development of Hawaii's renewable energy resources. The participant's voluntary contributions under the Green Pricing Program Provision are used to develop renewable energy facilities.

The Company's Sun Power for Schools Pilot Program is a pilot project under which photovoltaic systems are installed on selected public schools on the Island of Oahu. The participating school will own the photovoltaic facility and use the energy produced by the system at no cost. Contributions received from the participants in this Green Pricing Program Provision are used to help fund this pilot program.

Other renewable energy projects may be developed in the future as part of the Company's Green Pricing Program, depending on the availability of contributions received from this Green Pricing Program Provision.

VOLUNTARY PARTICIPATION:

1. Participation in the Green Pricing Program through the Green Pricing Program Provision, is voluntary and may be terminated by the participant at any time.
2. Any resident/non-resident of the Island of Oahu may contribute to the Green Pricing Program through the Green Pricing Program Provision by completing a standard program sign-up form which indicates the participant's mailing address, electric service account number (if participant is currently a HECO customer), and the contribution payment option desired. The Green Pricing Program Provision contribution payment options are listed below.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter Dated October 8, 1998.

Superseding Sheet No. 82A  
Effective October 23, 1996

REVISED SHEET NO. 82A  
Effective January 1, 1999

GREEN PRICING PROGRAM PROVISION (Continued)

3. A participant may terminate his/her voluntary contribution to the Green Pricing Program at any time by submitting a written or telephonic request to the Company to terminate participation in the Green Pricing Program Provision.

CONTRIBUTION PAYMENT OPTIONS:

A participant will specify the amount of his/her voluntary contribution (in whole dollars) and shall elect one of the following payment options:

Option 1: Monthly Contribution - the participant will be billed monthly based on the participant's specified dollar contribution amount.

Option 2: One Time Contribution - the participant will be billed one time for one lump sum contribution.

TERMS AND CONDITIONS:

1. Payments received by the Company shall be applied first to the participant's outstanding electric service bill balance, if any, and the remainder shall be applied to the participant's contribution to the Green Pricing Program under the Green Pricing Program Provision.
2. Electric Service will not be terminated if the participant fails to make contribution payments under the Green Pricing Program Provision.
3. The Company may terminate a participant's participation in the Green Pricing Program Provision, if the participant fails to make contribution payments for two (2) consecutive months.
4. The Company's late payment charge shall not apply to the participant's voluntary contributions under the Green Pricing Program Provision.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter Dated October 8, 1998.

SHEET NO. 83  
Effective

SCHEDULE TOU-C  
COMMERCIAL TIME-OF-USE SERVICE

AVAILABILITY:

Applicable to general light and/or power loads less than 300 kilowatts per month and supplied and metered at a single voltage and delivery point. This Schedule cannot be used in conjunction with load management Riders M, T, and I.

TIME-OF-DAY RATING PERIODS:

The time-of-day rating periods shall be as follows:

Priority Peak:	5:00 p.m. - 9:00 p.m.,	Monday - Friday
Mid-Peak:	7:00 a.m. - 5:00 p.m.,	Monday - Friday
	7:00 a.m. - 9:00 p.m.,	Saturday - Sunday
Off-Peak:	9:00 p.m. - 7:00 a.m.,	Daily

RATE:

NON-DEMAND SERVICE:

Applicable to general light and/or power loads less than or equal to 5000 kWhr per month, and less than 25 kW, and supplied and metered at single voltage and delivery point.

CUSTOMER CHARGE:

Single-Phase Service - per month	\$40.00/month
Three-Phase Service - per month	\$60.00/month

ENERGY CHARGE: (To be added to Customer Charge)

Priority Peak Period - per kWhr	18.8200 ¢/kWhr
Mid-Peak Period - per kWhr	15.8200 ¢/kWhr
Off-Peak Period - per kWhr	8.8200 ¢/kWhr

MINIMUM CHARGE:

Single-Phase Service - per month	\$45.00/month
Three-Phase Service - per month	\$60.00/month

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 84  
Effective

SCHEDULE TOU-C - continued

DEMAND SERVICE:

Applicable to general light and/or power loads greater than 5000 kWhr per month, or equal to or greater than 25 kW but less than 300 kW, and supplied and metered at single voltage and delivery point.

CUSTOMER CHARGE:

Single-Phase Service - per month	\$50.00/month
Three-Phase Service - per month	\$70.00/month

ENERGY CHARGE: (To be added to Customer Charge)

Priority Peak Period - per kWhr	15.9083 ¢/kWhr
Mid-Peak Period - per kWhr	12.9083 ¢/kWhr
Off-Peak Period - per kWhr	7.0000 ¢/kWhr

DEMAND CHARGE - (To be added to Customer and Energy Charge)

Priority Peak - per kW of billing demand	\$15.00/kW
Mid-Peak - per kW of billing demand	\$8.50/kW

The customer shall be billed the Priority Peak demand charge if his maximum measured kW demand for the billing period occurs during the priority peak period. If the customer's maximum measured kW demand for the billing period occurs during the Mid-Peak period, the Mid-Peak demand charge will apply. If the customer's maximum kW demand during the Priority Peak period is equal to his maximum kW demand during the Mid-Peak period, the Priority Peak demand charge shall apply.

MINIMUM CHARGE:

The minimum charge per month shall be the sum of the Customer Charge and the Demand Charge. The Demand Charge shall be computed with the above demand charge applied to kilowatts of demand. The kilowatts of demand for the minimum charge calculation each month shall not be less than 25 kW.

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 85  
Effective

SCHEDULE TOU-C - (continued)

DETERMINATION OF TIME-OF-USE ENERGY AND DEMAND:

The Company shall install a time-of-use meter to measure the customer's kilowatthour consumption and kilowatt load during the time-of-day rating periods. The maximum demand for the rating periods for each month shall be the maximum average load in kilowatts during any fifteen-minute period as indicated by a time-of-use meter. The kilowatts of billing demand for each month shall be the maximum measured demand outside of the Off-Peak hours, but not less than 25 kW.

Power Factor: (Applicable to Demand Service)

The above energy and demand charges are based upon an average monthly power factor of 85%. For each 1% the average power factor is above or below 85%, the monthly energy and demand charges as computed under the above rates shall be decreased or increased, respectively, by 0.10%

The average monthly power factor will be determined from the readings of a kWhr meter and kvarh meter, and will be computed to the nearest whole percent and not exceeding 100% for the purpose of computing the adjustment. The kvarh meter shall be ratcheted to prevent reversal in the event the power factor is leading at any time.

Supply Voltage Delivery: (Applicable To Demand Service)

If the customer takes delivery at the Company's supply line voltage, the demand and energy charges will be decreased as follows:

Transmission voltage supplied without further transformation -3.0%  
Distribution voltage supplied without further transformation -2.1%

Metering will normally be at the delivery voltage. When the customer's transformers are adjacent to the delivery point, the customer may elect to be metered at a single point on the secondary side of his transformers where such point is approved by the Company. When the energy is metered on the secondary side of the customer's transformers, the above decreases will be 2.4% and 0.6%, respectively.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

SHEET NO. 85A  
Effective

SCHEDULE TOU-C - (continued)

Supply Voltage Delivery - continued:

Because of the inherent operating conditions in the downtown area supplied from the Company's underground network system the Company will deliver and meter service to customers in this area at 120/208Y or 277/480Y volts (See Rule 2). The demand and energy charges will be increased 0.9%.

Energy Cost Adjustment Clause: (For Non-Demand and Demand Service)

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer, Demand, and Energy charges, Service Voltage adjustment, Network Service adjustment, and Power Factor adjustment.

Integrated Resource Planning Surcharge: (For Non-Demand and Demand Service)

The Integrated Resource Planning Surcharge shall be added to the Customer, Demand, and Energy charges, Service Voltage adjustment, Network Service adjustment, Power Factor adjustment, and energy cost adjustment.

Rules and Regulations: (For Non-Demand and Demand Service)

Service supplied under this rate shall be subject to the Rules and Regulations of the Company.

TERM OF CONTRACT: (For Non-Demand and Demand Service)

Not less than five years beginning from the service start date. If service is terminated before the end of the contract term, the customer shall be charge the total connection costs incurred by the Company to serve the customer less any customer advance and/or contribution paid by the customer.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Sheet No. 86  
Effective May 12, 2003

REVISED SHEET NO. 86  
Effective

SCHEDULE TOU-R

RESIDENTIAL TIME-OF-USE SERVICE

AVAILABILITY:

Applicable to residential power service metered and billed separately by the Company. This Schedule does not apply where a residence and business are combined. Service under this Schedule will be delivered at secondary voltage specified by the Company.

This Schedule is limited to 1,000 residential customers on a first come first serve basis until the new Customer Information System is implemented.

RATES:

CUSTOMER CHARGE - \$ per customer per month:

Single-Phase Service - per month	\$11.50/month
Three-Phase Service - per month	\$20.50/month

TIME-OF-USE ENERGY CHARGE - ¢ per kWh:

Priority Peak Period - per kWh	19.8379 ¢/kWhr
Mid-Peak Period - per kWh	16.8379 ¢/kWhr
Off-Peak Period - per kWh	11.3379 ¢/kWhr

MINIMUM CHARGE:

Single-Phase Service - per month	\$21.50/month
Three-Phase Service - per month	\$25.50/month

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Sheet No. 87  
Effective May 12, 2003

REVISED SHEET NO. 87  
Effective

SCHEDULE TOU-R - (continued)

TIME-OF-USE RATING PERIODS:

The time-of-use rating periods under this Schedule shall be defined as follows:

Priority Peak: 5:00 p.m.-9:00 p.m., Monday-Friday  
Mid-Peak: 7:00 a.m.-5:00 p.m., Monday-Friday  
5:00 p.m.-9:00 p.m., Saturday-Sunday, Holidays  
Off-Peak: 7:00 a.m.-5:00 p.m., Saturday-Sunday, Holidays  
9:00 p.m.-7:00 a.m., Daily  
Holidays: New Years Day, Memorial Day, Independence Day, Labor Day,  
Thanksgiving Day, and Christmas Day.

DETERMINATION OF TIME-OF-USE ENERGY:

The Company shall install, own, operate and maintain a time-of-use meter to measure the customer's kWh energy consumption during the time-of-use rating periods.

TERMS AND CONDITIONS:

1. The Company may meter the customer's energy usage pattern for one to three months before the customer's service start date under this Schedule, to allow the Company to gather the customer's baseline load profile.
2. The Company shall install the time-of-use meter in accordance with Rule 14. Although the existing service equipment is expected to be used, the customer shall provide, install, and maintain the service equipment specified in Rule 14, such as all the conductors, service switches, meter socket, meter panel, and other similar devices required for service connection and meter installations on the customer's premises.
3. The Company may request a customer to allow the Company shared-use of its telephone line to enable the Company to remotely download the customer's usage data from the meter.

Superseding Sheet No. 88  
Effective May 12, 2003

REVISED SHEET NO. 88  
Effective

Schedule TOU-R - (continued)

TERMS AND CONDITIONS - continued:

4. A customer may terminate service under this rate Schedule and return to the regular Schedule R at any time without penalty, by a written notice to the Company. The change shall become effective at the start of the next regular billing period following the date of receipt by the Company of the notice from the customer. If a customer elects to discontinue service under this Schedule, the customer will not be permitted to return to this Schedule for a period of one year.

ENERGY COST ADJUSTMENT CLAUSE:

The energy cost adjustment provided in the Energy Cost Adjustment Clause shall be added to the Customer and Energy Charges.

INTEGRATED RESOURCE PLANNING COST RECOVERY PROVISION:

The Integrated Resource Planning Surcharge shall be added to the Customer and Energy Charges, and energy cost adjustment.

RULES AND REGULATIONS:

Service supplied under this rate schedule shall be subject to the Rules and Regulations of the Company.

DSM RECONCILIATION CLAUSE PROVISION

	Supplement To
Schedule R	- Residential Service
Schedule E	- Electric Service For Employees
Schedule G	- General Service Non-Demand
Schedule J	- General Service Demand
Schedule H	- Commercial Cooking, Heating, Air Conditioning and Refrigeration Service
Schedule PS	- Large Power Secondary Voltage Service
Schedule PP	- Large Power Primary Voltage Service
Schedule PT	- Large Power Transmission Voltage Service
Schedule U	- Time of Use Service
Schedule TOU-R	- Residential Time-of-Use Service
Schedule TOU-C	- Commercial Time-of-Use Service

All terms and provisions of Schedules R, E, G, J, H, PS, PP, PT, U, TOU-R, and TOU-C are applicable except that the total base rate charges for each billing period shall be increased by the following DSM Reconciliation Adjustment:

DSM RECONCILIATION ADJUSTMENT:

Schedules R, E, G, J, H, . . . . . \_\_\_\_\_ ¢/kWhr  
PS, PP, PT, U,  
TOU-R, and TOU-C

The total monthly bill shall include the above DSM Reconciliation Adjustment applied to all kWh per month. The above DSM Reconciliation Adjustment is based on recovering any differences that may occur between:

- The dollar amount of DSM program customer incentives actually paid during the previous calendar year and \$10,863,300, the amount of customer incentives included in base rates, and
- The actual annualized kWh (at the customer level) reduced due to the measures installed and actions taken during the previous calendar year (beginning in 2006) through the DSM programs in such year and 48,600,000 kWh (at the customer level), times 18.1¢/kWh, representing the difference in the DSM Utility Incentive.

The sum of the two differences above, the DSM Reconciliation balance, divided by the projected total kWh sales for the applicable rate schedules over the period of recovery, plus applicable revenue taxes, shall equal the DSM Reconciliation Adjustment.

The DSM Reconciliation Adjustment will be calculated annually and the amount recovered over the subsequent 12 months, or shorter if the amount is small. The actual dollar amount recovered through the DSM Reconciliation Clause will not be reconciled.

HAWAIIAN ELECTRIC COMPANY, INC.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding Revised Sheet No. 2  
Effective March 21, 2003

REVISED SHEET NO. 2  
Effective June 6, 2003

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HAWAIIAN ELECTRIC COMPANY, INC.

REVISED SHEET NO. 12  
Effective: October 28, 1966

**REISSUED  
JUNE 1, 1988**

RULE NO. 4

Service Contracts

A. SERVICE CONTRACTS REQUIRED

Service contracts will be required as a condition precedent to service when:

1. Required by a rate schedule; or
2. A line extension advance is required under Rule No. 13; or
3. Temporary service is installed under Rule No. 12.

B. LARGE LOADS

A service contract may be required of a customer who has a large load requiring the Company to make a substantial investment in facilities to serve him. Such contract may include termination charges, a guaranteed minimum charge or a minimum demand higher than specified in the rate schedule.

C. COMMISSION APPROVAL

Form contracts for service other than regular utility service provided under the provisions of the tariffs contained in these rules, are contained in these rules and are authorized by the Public Utilities Commission. Special contracts for service other than that provided under the tariffs or attached form contracts must be authorized by the Public Utilities Commission prior to the effective date of said contract.

Each contract for service will contain a statement that it shall at all times be subject to changes or modifications by the Public Utilities Commission as said Commission may from time to time direct in the exercise of its jurisdiction.

SHEET NO. 12a  
Effective May 3, 1999

RULE 4 - Continued

D. FORM CONTRACT FOR CUSTOMER RETENTION

The attached form contract for customer retention may be used by the Company with customers who have demonstrated to the satisfaction of the Company that it has a realistic competitive alternative, and must have provided the Company with information sufficient for the Company to analyze the customer's intent, capability and economic incentive to self-generate or otherwise purchase energy from a non-Company source.

The energy rates provided by the standard form contract for customer retention will be based on energy rates that do not include subsidies of other classes of customers, based on the test year results adopted by the Commission in the Company's last rate case.

Contracts shall become effective when executed by the Company and the customer. The Company shall not recover any reduction of revenues resulting from a form contract for customer retention between the time the form contract goes into effect until the Company's next general rate case. The appropriate ratemaking treatment will be determined in the Company's future general rate case proceedings using traditional ratemaking principles.

SHEET NO. 12b  
Effective May 3, 1999

STANDARD FORM CONTRACT  
FOR CUSTOMER RETENTION

This Contract covers electric service provided by HAWAIIAN ELECTRIC COMPANY, INC. (HECO) to:

Customer: \_\_\_\_\_

Account Number: \_\_\_\_\_

Service Address: \_\_\_\_\_

Applicable rates, charges and rules

1. Under this Contract, service will be provided by HECO to Customer on Rate Schedule \_\_\_\_\_, and in accordance with other applicable provisions of HECO's tariff, as the same may be modified from time to time. The terms and conditions of such rate schedule and tariff shall apply, except to the extent provided in Attachment 1 (Customer Retention Rate) to this Contract.

Term

2. This Contract shall be effective upon execution by both parties (the Execution Date) and shall continue in effect for a term of three (3) years beginning on the first day of the month following filing with the Public Utilities Commission of the State of Hawaii (Commission) of the Contract (the Customer Retention Rate Effective Date), unless terminated in accordance with the provisions of this Contract; provided that the Customer Retention Rate shall not be effective until the Customer Retention Rate Effective Date.

3. This Contract may be terminated by mutual agreement of the parties, in writing.

Customer Retention

4. Customer agrees and acknowledges that the purposes of this Contract include (i) allowing HECO to retain load that would otherwise be lost if Customer implemented a Self-Generation option, (ii) maintaining revenues from Customer at a level higher than HECO's incremental cost to serve Customer, which benefits HECO's other customers, and (iii) allowing HECO to reduce uncertainty regarding large customer loads when planning its generation supply system, and its transmission and distribution systems.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12c  
Effective May 3, 1999

5. If, during the term of this Contract, Customer's load is reduced as a result of the implementation by or on behalf of customer of a Self-Generation option, then HECO may terminate this Contract upon thirty (30) days written notice to customer. In the event of such termination, Customer shall be obligated to refund to HECO the difference between Customer's bills if calculated without the Load Retention Rate discount and the amounts actually billed to Customer, for the entire period between Load Retention Rate Effective Date and the effective date of such termination.

6. The payment of the refund to HECO shall be due and owing on the tenth (10th) day following the effective date of termination.

7. Self-Generation includes the generation of all or a portion of Customer's electrical requirements (i) by self-generation (generally, generation owned, leased, operated or used by Customer, which is located on-site, or in the vicinity of Customer, or the output of which can be delivered to Customer without the use of HECO's transmission or distribution system), (ii) by an electrical supplier other than HECO, or (iii) by obtaining energy for a commercial or industrial process or purpose previously powered by HECO-supplied electricity.

#### Customer Information

8. Information regarding Customer and Customer's energy usage is provided in Attachment 2.

9. Customer represents and warrants that the information set forth in Attachment 3 (Customer's Self-Generation Option(s)) is true and correct. The following Customer Self-Generation information must be provided in Attachment 3, except to the extent waived by the Company:

(i) a description of Customer's Self-Generation option(s), including, but not limited to, its size and fuel source;

(ii) detailed documentation of Customer's actual Self-Generation costs and evaluation of these costs. This evaluation should include a verifiable analysis of the Self-Generation option with the assumptions used over the life of the option. The cost evaluation also should include a comparison of the cost of the Self-Generation option to the Load Retention Rate;

(iii) an evaluation of the reasonable feasibility of Customer's ability to obtain all required permits for Self-Generation; and

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 12d  
Effective May 3, 1999

(iv) an evaluation of the reasonableness of Customer's Self-Generation option in terms of the need for back-up power, the need for infrastructure, air emissions and water discharge permitting, and land use approvals; and

(v) information that demonstrates the extent to which the Load Retention Rate will encourage the customer to continue or improve existing load patterns that produce significant system benefit (i.e., time-of-use operations, peak shaving, standby generation).

10. Customer agrees to provide HECO with a recent energy assessment, conducted or adequately updated within the last two years, including a statement as to whether recommendations have been implemented or if prior action has already been taken to reduce peak usage and/or improve efficiency. The purpose of the assessment is to identify potential energy efficiency improvements; it will provide reliable cost and benefit information on electric energy efficiency improvements with reasonable paybacks. The energy assessment must be reasonably satisfactory to HECO, and shall meet the specifications in Attachment 4, except to the extent waived in writing by HECO.

Confidentiality

11. HECO shall retain as confidential all information and data furnished to it by Customer that relates to Customer's Self-Generation option, which are designated in writing by Customer as confidential at the time of transmission and are obtained or acquired by the HECO in connection with this Contract, and shall not disclose such information to any third party, except as necessary to obtain approval of this Contract.

12. However, nothing herein is meant to prevent nor shall be interpreted as preventing HECO from disclosing and/or using said information or data (i) when the information or data is actually known to HECO before being obtained or derived from Customer, or (ii) when information or data is generally available to the public without HECO's fault at any time before or after it is acquired from Customer, or (iii) where the information or data is obtained or acquired in good faith at any time by HECO from a third party who has the same in good faith and who is not under any obligation to Customer in respect thereof; or (iv) where a written release is obtained by HECO from Customer.

13. HECO will mark any part of the application for approval of the Contract it deems should not be subject to public disclosure as "confidential information." Unredacted copies of documents containing information so marked shall be withheld from public disclosure unless disclosure is ordered by the Commission. Copies of documents redacted to exclude confidential information shall be filed and placed in the public file. By Commission order or agreement with the applicant, other participants may be provided unredacted copies of documents containing confidential information but shall not disclose confidential information to any person unless permitted to do so by the Commission order.

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 12e  
Effective May 3, 1999

Commission Jurisdiction

14. This contract for service shall at all times be subject to changes or modifications by the Commission as said Commission may from time to time direct in the exercise of its jurisdiction.

Authorizing Customer Signature:

HECO Representative(s):

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title                      Date

\_\_\_\_\_  
Title                      Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Name

\_\_\_\_\_  
Title                      Date

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12f  
Effective May 3, 1999

ATTACHMENT 1  
CUSTOMER RETENTION RATE

Energy rates for Schedule P:

First 200 kwh/mo/kw of billing demand	7.2087 cents/kwh
Next 200 kwh/mo/kw of billing demand	6.4104 cents/kwh
All over 400 kwh/mo/kw of billing demand	6.1010 cents/kwh

Percentage discount: 2.77 % \*

Customer Retention Rates for this contract:

First 200 kwh/mo/kw of billing demand	7.0090 cents/kwh
Next 200 kwh/mo/kw of billing demand	6.2328 cents/kwh
All over 400 kwh/mo/kw of billing demand	5.9320 cents/kwh

\*Calculation of the % discount:

<u>Schedule P</u>	<u>\$000</u>	<u>Docket No. 7766</u> <u>Letter dated 12/21/99</u>
1) Return on rate base @ 10.54% ROR	= \$ 24,748.8	Exhibit 6, Page 22
2) Rate base at proposed rates for Schedule P	= \$234,898.5	Exhibit 6, Page 22
3) Return on rate base @ 9.16% ROR	= \$ 21,516.7	line 2 x 0.0916
4) Reduction in return from 10.54% to 9.16%	= \$ 3,232.1	line 1 – line 3
5) Operating income divisor	= 0.5569	Exhibit 6, Page 22 (1,474.5 ÷ 2,647.9)
6) Revenue impact	= \$ 5,803.7	line 4 ÷ line 5
7) Revenues from energy charges	= \$209,707.2	Exhibit 8, Page 76
8) % discount (to 2 decimal places)	= 2.77 %	line 6 ÷ line 7

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12g  
Effective May 3, 1999

ATTACHMENT 1 (continued)  
CUSTOMER RETENTION RATE

Energy rates for Schedule J:

First 200 kwh/mo/kw of billing demand	8.6900 cents/kwh
Next 200 kwh/mo/kw of billing demand	7.5419 cents/kwh
All over 400 kwh/mo/kw of billing demand	6.5130 cents/kwh

Percentage discount: 11.27 % \*

Customer Retention Rates for this contract:

First 200 kwh/mo/kw of billing demand	7.7106 cents/kwh
Next 200 kwh/mo/kw of billing demand	6.6919 cents/kwh
All over 400 kwh/mo/kw of billing demand	5.7790 cents/kwh

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\*Calculation of the % discount:

<u>Schedule J</u>	<u>\$000</u>	<u>Docket No. 7766</u> <u>Letter dated 12/21/99</u>
1) Return on rate base @ 14.35% ROR	= \$ 18,384.4	Exhibit 6, Page 22
2) Rate base at proposed rates for Schedule J	= \$128,086.1	Exhibit 6, Page 22
3) Return on rate base @ 9.16% ROR	= \$ 11,732.7	line 2 x 0.0916
4) Reduction in return from 14.35% to 9.16%	= \$ 66,511.7	line 1 - line 3
5) Operating income divisor	= 0.5558	Exhibit 6, Page 22 (740.2 ÷ 1,331.7)
6) Revenue impact	= \$ 11,967.8	line 4 ÷ line 5
7) Revenues from energy charges	= \$106,228.6	Exhibit 8, Page 15
8) % discount (to 2 decimal places)	= 11.27 %	line 6 ÷ line 7

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12h  
Effective May 3, 1999

ATTACHMENT 2  
CUSTOMER INFORMATION

Customer Information

- a. \_\_\_\_\_  
(Customer's full and correct name)
- b. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(Customer's business address)
- c. \_\_\_\_\_  
(Customer's telephone number)
- \_\_\_\_\_ (Customer's fax number)
- d. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(Customer's account number(s))
- e. \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
(Agent's name, business address and numbers, if applicable)

Site and Business Description

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 12i  
Effective May 3, 1999

Energy Usage (for each meter)

- (a) Load \_\_\_\_\_ (Ave. last yr.) \_\_\_\_\_ Peak (last 12 mos.)
- (b) Energy \_\_\_\_\_ (last 1 yr.) \_\_\_\_\_ (last 2 yrs.)
- (c) Time of use – a description of when and how the existing Customer uses electricity and what benefits or detriments this use has on existing system operation.

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- (d) Future use – a statement indicating the potential for future Customer load growth once served on the proposed tariff.

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- (e) Revenues \$ \_\_\_\_\_ (last 1 year) \$ \_\_\_\_\_ (last 2 years)

- (f) Currently applicable rate schedules and riders

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- (g) Billing determinants (past 12 mos.)

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- (h) Billing determinants (projected 12 mos. with Load Retention Rate)

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HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 12j  
Effective May 3, 1999

ATTACHMENT 3  
CUSTOMER'S SELF-GENERATION OPTION(S)

(Customer provided information to be attached to executed contract.)

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12k  
Effective May 3, 1999

ATTACHMENT 4  
ENERGY AUDIT SPECIFICATIONS

General Description

The assessment must be an evaluation of the facilities' systems to identify opportunities for energy efficiency improvements which will result in a more efficient use of electricity. Areas to be analyzed must include, but are not limited to, electrical consumption in manufacturing processes (if applicable) and in building systems.

Specifications

1. The assessment must be performed by a Professional Engineer licensed to practice in the State of Hawaii. It is expected that at least one member of the assessment team will have a minimum of two years of experience in identifying and analyzing energy efficiency opportunities associated with the energy systems outlined in items a-f of specification 4.
2. The assessment must reflect the current operation of Customer's facility. Existing assessments may be updated to meet this requirement. Existing equipment surveys and architectural drawings may be used to meet this requirement. However, the assessment must comply with all requirements of the specification. Assessments not meeting these requirements should be returned by the utility to Customer for revision at Customer's expense.
3. The analysis must include an evaluation of electrical energy consumed by systems within the customer's facility. The analysis should also include a review of existing conditions, equipment load characteristics, and age of equipment (when the actual age of the equipment is unknown an estimated age range must be supplied). The analysis may use engineering estimates in lieu of monitoring or load simulations.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12I  
Effective May 3, 1999

4. Areas that must be analyzed include:
  - a. Lighting Systems.
  - b. Electric Motors and Drive Systems.
  - c. Mechanical systems, including heating, water heating, ventilating, refrigeration, and air conditioning.
  - d. Heat recovery opportunities.
  - e. Any other suitable technologies that increase electrical efficiency.
  - f. Operation and maintenance procedures pertaining to electric motors, drive systems, lighting, mechanical systems, and electrical processes.
  
5. The assessment report must include at a minimum, except to the extent waived by the Company:
  - a. Table of Contents
  - b. Introduction stating the purpose of the assessment.
  - c. An executive summary stating the conclusions and recommendations of the assessment.
  - d. An action plan for Customer to implement the recommendations.
  - e. A summary of building characteristics (applicable for portion of building where space is electrically cooled) describing the architectural, mechanical, and electrical components including identification of problems.
  - f. An analysis of electric energy consumed by systems within Customer's facility. The report will also include a review of existing conditions, equipment load characteristics, and age of equipment (when the actual age of equipment is unknown an estimated age range must be supplied).
  - g. A methodology section explaining the approaches taken and assumptions used to examine and analyze the building or systems.
  - h. A prioritized list of all electrical energy conservation measures analyzed including a description of the present condition, the proposed measure, energy savings estimate, cost estimate, and simple payback.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

SHEET NO. 12m  
Effective May 3, 1999

- i. A description of each energy conservation measure identified including interaction of measures.
- j. Identification of other benefits, if any, related to the measure such as reduced maintenance, improved safety, productivity gains, or reduced waste.
- k. A brief description of the assessor's educational and professional background and a statement attesting to the accuracy and completeness of the assessment findings followed by the assessor's Professional Engineer license information (state, number, and date received) and signature.

HAWAIIAN ELECTRIC COMPANY, INC.

Transmittal Letter No. 99-01 dated April 1, 1999  
Docket No. 99-0106, Order No. 16965 dated April 30, 1999

Superseding Revised Sheet No. 2  
Effective June 6, 2003

REVISED SHEET NO. 2  
Effective

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4	Service Contracts	12
5	Establishment and Re-establishment of Credit	13
6	Deposits	14
7	Discontinuance and Restoration of Service	15, 16, 16A
8	Rendering and Payment of Bills	17, 18
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HAWAIIAN ELECTRIC COMPANY, INC.

Superseding REVISED SHEET NO. 12  
Effective: October 28, 1966

REVISED SHEET NO. 12  
Effective

RULE NO. 4

Service Contracts

A. SERVICE CONTRACTS REQUIRED

Service contracts will be required as a condition precedent to service when:

1. Required by a rate schedule; or
2. A line extension advance is required under Rule No. 13; or
3. Temporary service is installed under Rule No. 12.

B. LARGE LOADS

A service contract may be required of a customer who has a large load requiring the Company to make a substantial investment in facilities to serve him. Such contract may include termination charges, a guaranteed minimum charge or a minimum demand higher than specified in the rate schedule.

C. COMMISSION APPROVAL

Form contracts for service other than regular utility service provided under the provisions of the tariffs contained in these rules, are contained in these rules and are authorized by the Public Utilities Commission. Special contracts for service other than that provided under the tariffs or attached form contracts must be authorized by the Public Utilities Commission prior to the effective date of said contract.

Each contract for service will contain a statement that it shall at all times be subject to changes or modifications by the Public Utilities Commission as said Commission may from time to time direct in the exercise of its jurisdiction.

HAWAIIAN ELECTRIC COMPANY, INC.

HAWAIIAN ELECTRIC COMPANY, INC.

REVISED SHEET NO. 15  
Effective: October 28, 1966

RULE NO. 7

Discontinuance and Restoration of Service

A. REASONS FOR DENYING SERVICE

The Company may refuse or discontinue service for any of the reasons listed below:

1. Without notice in the event of a condition determined by the Company to be hazardous. The Company shall have the right to refuse service to any applicant and to refuse or discontinue service to any customer whose wire, appliances, apparatus, or other equipment, or use thereof shall be determined by the Company to be unsafe or in violation of applicable laws, ordinances, rules or regulations of any public authority, or if any condition exists upon the applicant's or customer's premises shall be determined by the Company to endanger the Company's service facilities;  
The Company does not assume any duty of inspecting or repairing any applicant's or customer's wire, appliances, apparatus, or other equipment or any part thereof and assumes no liability therefor;
2. Without notice in the event of customer use of equipment in such a manner as to adversely affect the Company's equipment or the Company's service to others;
3. Without notice in the event of tampering with the equipment furnished and owned by the Company;
4. Without notice in the event of unauthorized use or use in violation of applicable laws, ordinances, rules, or regulations of any public authority;
5. For violation of and/or non-compliance with the Company's tariff or rules on file with and approved by the Commission. The Company may discontinue service to a customer if after written notice of such non-compliance the customer fails to comply within 5 days after date of presentation of such notice or within such other period of time after date of presentation of such notice as may be specified in such notice;
6. For failure of the customer to fulfill his contractual obligations for service and/or facilities subject to regulation by the Commission;
7. For failure of the customer to permit the Company reasonable access to its equipment;
8. For non-payment of bill provided that the Company has made a reasonable attempt to effect collection and has given the customer written notice that he has at least 5 days, excluding Sundays and holidays, in which to make settlement on his account or have his service denied;
9. If, for an applicant's convenience, the Company should provide service before credit is established or should continue service to a customer when credit has not been re-established in accordance with Rule No. 5 and he fails to establish or re-establish his credit within 5 days after date of presentation of written notice to do so or within such other period of time after date of presentation of such notice as may be specified in such notice, the Company may discontinue service;
10. For failure of the customer to furnish such service equipment, permits,

Superseding Revised Sheet No. 16  
Effective October 25, 1991

REVISED SHEET NO. 16  
Effective January 1, 1995

RULE NO. 7 (Continued)

Discontinuance and Restoration of Service

certificates, and/or rights-of-way, as shall have been specified by the Company as a condition to obtaining service, or in the event such equipment or permission are withdrawn or terminated; or

II. Fraud against the Company:

Unless otherwise stated, the customer shall be allowed a reasonable time in which to comply with the rule before service is discontinued. No service shall be discontinued on the day preceding or day or days on which the Company's business office is closed unless provisions are made for payment or reconnection on days when the Company's business offices are closed, except as provided in Rules 7A1 and 7A2.

B. CUSTOMER'S REQUEST FOR SERVICE DISCONTINUANCE

When a customer desires to terminate his responsibility for service, he shall give the Company not less than 2 days notice and state the date on which he wishes the termination to become effective. A customer may be held responsible for all service furnished at the premises until 2 days after receipt of such notice by the Company or until the date of termination specified in the notice, whichever date is later.

C. RETURNED CHECKS CHARGE

Payment by check for any service covered herein which is returned by the financial institution on which it is issued will result in a fee to the customer of \$7.50 per returned check.

D. FIELD COLLECTION CHARGE

The Company shall require payment of \$15.00 for a field call to the customer's service location necessitated by the customer's nonpayment of bills when such field call results in a successful collection of monies.

E. SERVICE ESTABLISHMENT CHARGE

The Company shall require payment of \$15.00 for each establishment, supersedure, or re-establishment of electric service to any customer. This service establishment charge is in addition to the charges

HAWAIIAN ELECTRIC COMPANY, INC.

SHEET NO. 16A  
Effective January 1, 1995

RULE No. 7 (Continued)

calculated in accordance with the applicable rate schedule and will be required each time an account is opened, including a turn on, a reconnection of electric service, or a change of customer which requires a meter reading.

When a customer requests same day service or that electric service be turned on or reconnected outside of regular business hours, an additional charge of \$10.00 will be assessed.

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 7700  
D&O No. 13704

SUPERSEDING REVISED SHEET NO. 15  
Effective: October 28, 1966

REVISED SHEET NO. 15  
Effective:

RULE NO. 7

Discontinuance and Restoration of Service

A. REASONS FOR DENYING SERVICE

The Company may refuse or discontinue service for any of the reasons listed below:

1. Without notice in the event of a condition determined by the Company to be hazardous. The Company shall have the right to refuse service to any applicant and to refuse or discontinue service to any customer whose wire, appliances, apparatus, or other equipment, or use thereof shall be determined by the Company to be unsafe or in violation of applicable laws, ordinances, rules or regulations of any public authority, or if any condition exists upon the applicant's or customer's premises shall be determined by the Company to endanger the Company's service facilities;

The Company does not assume any duty of inspecting or repairing any applicant's or customer's wire, appliances, apparatus, or other equipment or any part thereof and assumes no liability therefor;

2. Without notice in the event of customer use of equipment in such a manner as to adversely affect the Company's equipment or the Company's service to others;
3. Without notice in the event of tampering with the equipment furnished and owned by the Company;
4. Without notice in the event of unauthorized use or use in violation of applicable laws, ordinances, rules, or regulations of any public authority;
5. For violation of and/or non-compliance with the Company's tariff or rules on file with and approved by the Commission. The Company may discontinue service to a customer if after written notice of such non-compliance the customer fails to comply within 5 days after date of presentation of such notice or within such other period of time after date of presentation of such notice as may be specified in such notice;

HAWAIIAN ELECTRIC COMPANY, INC.

Docket No. 04-0113, D&O No. \_\_\_\_\_.

Superseding Revised Sheet No. 16  
Effective January 1, 1995

REVISED SHEET NO. 16  
Effective

RULE NO. 7 (Continued)

Discontinuance and Restoration of Service

6. For failure of the customer to fulfill his contractual obligations for service and/or facilities subject to regulation by the Commission;
7. For failure of the customer to permit the Company reasonable access to its equipment;
8. For non-payment of bill provided that the Company has made a reasonable attempt to effect collection and has given the customer written notice that he has at least 5 days, excluding Sundays and holidays, in which to make settlement on his account or have his service denied;
9. If, for an applicant's convenience, the Company should provide service before credit is established or should continue service to a customer when credit has not been re-established in accordance with Rule No. 5 and he fails to establish or re-establish his credit within 5 days after date of presentation of written notice to do so or within such other period of time after date of presentation of such notice as may be specified in such notice, the Company may discontinue service;
10. For failure of the customer to furnish such service equipment permits, certificates, and/or rights-of-way, as shall have been specified by the Company as a condition to obtaining service, or in the event such equipment or permission are withdrawn or terminated; or

II. Fraud against the Company:

Unless otherwise stated, the customer shall be allowed a reasonable time in which to comply with the rule before service is discontinued. No service shall be discontinued on the day preceding or day or days on which the Company's business office is closed unless provisions are made for payment or reconnection on days when the Company's business offices are closed, except as provided in Rules 7A1 and 7A2.

HAWAIIAN ELECTRIC COMPANY, INC.

Superseding SHEET NO. 16A  
Effective January 1, 1995

REVISED SHEET NO. 16A  
Effective

RULE No. 7 (Continued)

B. CUSTOMER'S REQUEST FOR SERVICE DISCONTINUANCE

When a customer desires to terminate his responsibility for service, he shall give the Company not less than 2 days notice and state the date on which he wishes the termination to become effective. A customer may be held responsible for all service furnished at the premises until 2 days after receipt of such notice by the Company or until the date of termination specified in the notice, whichever date is later.

C. RETURNED PAYMENT CHARGE

Payment by check or by any electronic payment form such as payment by credit card, debit card, or any form of automatic bill payment for any service covered herein which is returned by the financial institution on which it is issued will result in a fee to the customer of \$16.00 per returned check or returned payment.

D. FIELD COLLECTION CHARGE

The Company shall require payment of \$20.00 for a field call to the customer's service location necessitated by the customer's nonpayment of bills. This charge will be added to the customer's bill.

E. SERVICE ESTABLISHMENT CHARGE

The Company shall require payment of \$20.00 for each establishment, supersedure, or re-establishment of electric service to any customer. This service establishment charge is in addition to the charges calculated in accordance with the applicable rate schedule and will be required each time an account is opened, including a turn on, a reconnection of electric service, or a change of customer which requires a meter reading.

When a customer requests same day service or that electric service be turned on or reconnected outside of regular business hours, an additional charge of \$25.00 will be assessed.

HAWAIIAN ELECTRIC COMPANY, INC.

HAWAIIAN ELECTRIC COMPANY, INC.  
TEST YEAR 2005

SUMMARY OF REVENUES AT PRESENT AND PROPOSED RATES

Rate Class	At Present Rates (\$000s)	At Proposed Rates (\$000s)	PROPOSED INCREASE	
			Amount (\$000s)	Percent (%)
Schedule R	\$317,901.1	\$349,194.6	\$31,293.5	9.84%
Schedule G	\$60,702.9	\$66,678.5	\$5,975.6	9.84%
Schedule J	\$255,035.3	\$280,140.5	\$25,105.2	9.84%
Schedule H	\$6,913.7	\$7,594.3	\$680.6	9.84%
Schedule PS	\$99,113.9	\$108,870.7	\$9,756.8	9.84%
Schedule PP	\$230,924.5	\$253,656.2	\$22,731.7	9.84%
Schedule PT	\$18,142.7	\$19,928.7	\$1,786.0	9.84%
Schedule F	\$5,298.0	\$5,819.5	\$521.5	9.84%
Total Sales Revenue	\$994,032.1	\$1,091,883.0	\$97,850.9	9.84%
Other Operating Revenues	\$3,075.2	\$3,838.3	\$763.1	24.81%
Total Revenues	\$997,107.3	\$1,095,721.3	\$98,614.0	9.89%

HAWAIIAN ELECTRIC COMPANY, INC.  
TEST YEAR 2005

SUMMARY OF REVENUES AT CURRENT EFFECTIVE AND PROPOSED RATES

Rate Class	At Current Effective Rates (\$000s)	At Proposed Rates (\$000s)	PROPOSED INCREASE	
			Amount (\$000s)	Percent (%)
Schedule R	\$326,949.2	\$349,194.6	\$22,245.4	6.80%
Schedule G	\$61,741.3	\$66,678.5	\$4,937.2	8.00%
Schedule J	\$260,529.2	\$280,140.5	\$19,611.3	7.53%
Schedule H	\$7,059.3	\$7,594.3	\$535.0	7.58%
Schedule PS	\$101,482.1	\$108,870.7	\$7,388.6	7.28%
Schedule PP	\$236,780.3	\$253,656.2	\$16,875.9	7.13%
Schedule PT	\$18,611.5	\$19,928.7	\$1,317.2	7.08%
Schedule F	\$5,301.6	\$5,819.5	\$517.9	9.77%
Total Sales Revenue	\$1,018,454.5	\$1,091,883.0	\$73,428.5	7.21%
Other Operating Revenues	\$3,075.2	\$3,838.3	\$763.1	24.81%
Total Revenues	\$1,021,529.7	\$1,095,721.3	\$74,191.6	7.26%

Hawaiian Electric Company, Inc.  
Base Case - Test Year 2005  
Results of Operations  
(\$ Thousands)

	<u>Present Rates</u>
Electric Sales Revenue	994,032
Other Operating Revenue	2,742
Gain on Sale of Land	333
TOTAL OPERATING REVENUES	<u>997,107</u>
Fuel	292,704
Purchased Power	298,564
Production	55,041
Transmission	8,087
Distribution	20,132
Customer Accounts	11,436
Allowance for Uncoll. Accounts	1,292
Customer Service	33,458
Administration & General	54,443
Operation and Maintenance	<u>775,157</u>
Depreciation & Amortization	72,056
Taxes Other Than Income	94,233
Interest on Customer Deposits	378
Income Taxes	10,658
TOTAL OPERATING EXPENSES	<u>952,482</u>
OPERATING INCOME	<u><u>44,625</u></u>
AVERAGE RATE BASE	1,104,785
RATE OF RETURN ON AVERAGE RATE BASE	<u><u>4.04%</u></u>

Hawaiian Electric Company, Inc.  
With IRP Cost Recovery Provision  
Test Year 2005  
Results of Operations  
(\$ Thousands)

	Current Effective Rates
Electric Sales Revenue	1,018,455
Other Operating Revenue	2,742
Gain on Sale of Land	333
<b>TOTAL OPERATING REVENUES</b>	<b>1,021,530</b>
Fuel	292,704
Purchased Power	298,564
Production	55,041
Transmission	8,087
Distribution	20,132
Customer Accounts	11,436
Allowance for Uncoll. Accounts	1,324
Customer Service	33,458
Administration & General	54,443
Operation and Maintenance	775,189
Depreciation & Amortization	72,056
Taxes Other Than Income	96,402
Interest on Customer Deposits	378
Income Taxes	19,305
<b>TOTAL OPERATING EXPENSES</b>	<b>963,330</b>
<b>OPERATING INCOME</b>	<b>58,200</b>
<b>AVERAGE RATE BASE</b>	<b>1,101,538</b>
<b>RATE OF RETURN ON AVERAGE RATE BASE</b>	<b>5.28%</b>

CERTIFICATE OF SERVICE

I hereby certify that on November 12, 2004, I served two copies of the foregoing completed Application, including written direct testimonies, exhibits and workpapers, together with this Certificate of Service, by hand delivery to the following at the following address:

Division of Consumer Advocacy  
Department of Commerce and Consumer Affairs  
335 Merchant Street, Room 326  
Honolulu, Hawaii 96813

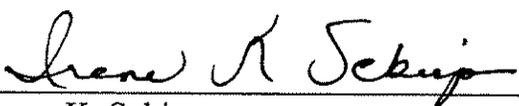
Pursuant to an agreement with the Consumer Advocate, four double-sided copies of the completed Application, including written direct testimonies, exhibits, and workpapers together with this Certificate of Service will be hand delivered on November 15, 2004 at the above address.

One copy of the completed Application, including written direct testimonies, exhibits and workpapers together with this Certificate of Service was served by hand delivery on November 12, 2004 at the following address:

The Honorable Jeremy Harris  
Mayor, City and County of Honolulu  
Honolulu Hale  
530 South King Street  
Honolulu, Hawaii 96813

DATED: Honolulu, Hawaii, November 12, 2004.

HAWAIIAN ELECTRIC COMPANY, INC.

  
Irene K. Sekiya