CA-IR-6

Please provide a chart showing each separate legal entity within HEI and provide the following additional information:

**a.** Explain and quantify the types of recurring and non-recurring affiliate transactions that took place in 2003 and 2004 (to-date) between HECO and each affiliated entity.

**b.** Describe the basis of pricing each form of affiliate transaction listed in your response to part (a) of this information request, for example fully distributed cost, market price, appraised value, etc.

**c.** If any affiliate service agreements exist in connection with HECO affiliate transactions, please provide complete copies of same.

**d.** Identify and describe each affiliate relationship of HECO for which Hawaii PUC notification and/or approval has been sought or received.

**e.** Provide complete copies of any documents associated with your response to part (d) of this information request.

HECO Response:

As requested, a chart showing each separate legal entity within HEI is provided on page 4 to this response.

a. The 2003 and 2004 information for HECO services provided to its affiliates is provided on pages 5 to 18 to this response. The 2003 and 2004 information for HEI services provided to HECO is provided on pages 19 to 20 to this response.

b. Charges between HECO and its affiliates are based on actual costs including applicable on-cost loadings.

c. Service agreements between HECO and affiliates that meet the requirements of Hawaii Revised Statutes ("HRS") section 269-19.5 are submitted to the Commission with copies to the Division of Consumer Advocacy. Agreements filed with the Commission include:

- HEI/HECO Administrative Services Agreement dated February 4, 1993 (filed with the

Commission on April 26, 1993). Addendums to the HEI/HECO Administrative Services Agreement and Updated Exhibit A to the Administrative Services Agreement were filed with the Commission and the Consumer Advocate on February 15, 2005.

- HECO/RHI Administrative Services Agreement dated January 1, 2003 (filed with the Commission on May 14, 2003).

voluminous nature of this information, one copy each will be provided to the Consumer Advocate and the Public Utilities Commission under separate transmittal.

1. HECO/American Savings Bank Administrative Services Agreement (dated

operations in the third quarter of 1998.

7. HECO/PECS Administrative Services Agreement (dated June 26, 1997). (See pages 85 to 92.)

8. HECO-MECO-HEI-HEIPC/HEI/HEIPC Affiliates Service Agreement (dated April 17, 1995). (See pages 93 to 104.) HEI reported HEIPC as discontinued operations in the third quarter of 2001.

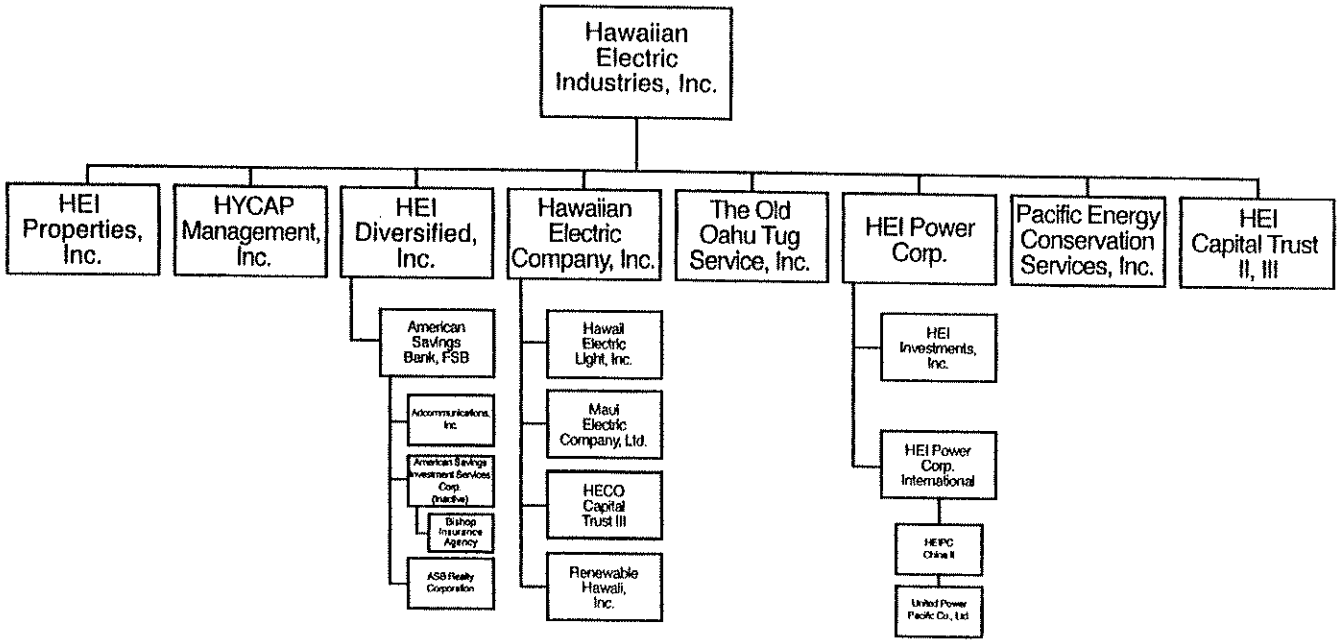
9. HECO/HEI Diversified, Inc. Administrative Services Agreement (dated August 15, 1994). (See pages 105 to 112.)

10. HECO/Provision Technologies, Inc. Administrative Services Agreement (dated August 25, 2000). ProVision Technologies, Inc. was sold on July 14, 2003. (See pages 113 to 120.)

11. HECO/HEI District Cooling, Inc. Administrative Services Agreement (dated August 17, 1998). (See pages 121 to 128.) HEI District Cooling, Inc. [illegible]

October 2003.

# Hawaiian Electric Industries, Inc.
# Corporate Organizational Chart




1/31/05

NARUC 1861
HECO Charges Billable to associated companies
2003

| C | DESCRIPTION | | | | | | |
|---|---|---|---|---|---|---|---|
| | 186300 | 186400 | 186410 | 186420 | 186430 | 186450 | 186460 |
| LL OS- | CHARGES BILL TO ASSOC COS-MECO | CHARGES BILL TO ASSOC COS-HEI | CHARGES BILL TO ASSOC COS-HEIII | CHARGES BILL TO ASSOC COS-MPC | CHARGES BILL TO ASSOC COS-TOOTS (HTB) | CHARGES BILL TO ASSOC COS-ASB | CHARGES BILL TO ASSOC COS-PECS |
| .55 | 8,633.19 | | | | | | |
| 37 | 15,408.17 | | | | | | |
| 48 | 2,848.07 | | | | | | |
| 57 | | | | | | | |
| 53 | | | | | | | |
| 48 | 30,533.13 | | | | | | |
| 89 | | | | | | | |
| | | | | | | | |
| 26 | 69,330.76 | | | | | | |
| 53 | 469.34 | | | | | | |
| 74 | | | | | | | |
| 44 | 116,398.15 | | | | | | |
| 96 | 1,025.89 | | | | | | |
| 31 | 15,847.18 | | | | | | |
| 70 | 17,229.73 | | | | | | |
| 12 | 6,905.88 | | | | | | |
| | 979.31 | | | | | | |
| 43 | 8,991.66 | | | | | | |
| 61 | 23,619.27 | | | | | | |
| 66 | | | | | | | |
| 39 | | | | | | | |
| 58 | 1,776.89 | | | | | | |
| 43 | | | | | | | |
| 93 | | | | | | | |
| 80 | | | | | | | |
| | 21,586.83 | | | | | | |
| 28 | 107,046.21 | | | | | | |
| 67 | 19,623.11 | | | | | | |
| 18 | | | | | | | |
| | 160,923.74 | | | | | | |
| | 28,155.73 | | | | | | |
| 18 | 5,766.41 | | | | | | |
| | 29,398.49 | | | | | | |
| | 21,122.27 | | | | | | |
| 66 | 11,607.93 | | | | | | |
| 12 | 6,116.84 | | | | | | |
| 37 | | | | | | | |
| | 410.06 | | | | | | |
| 83 | 9,970.30 | | | | | | |
| | | 18,927.69 | | | | | |
| 47 | 28,069.98 | | | | | | |
| 96 | 68,655.17 | | | | | | |
| 49 | 511.02 | | | | | | |
| 58 | 224,444.70 | | | | | | |
| 47 | 21,022.17 | | | | | | |

NARUC 1861
HECO Charges Billable to associated companies
2003

| Sum of Amount | | INTER_NARUC DESCRIPTION | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 186200 | 186300 | 186400 | 186410 | 186420 | 186430 | 186450 | 186460 |
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HELCO | CHARGES BILL TO ASSOC COS-MECO | CHARGES BILL TO ASSOC COS-HEI | CHARGES BILL TO ASSOC COS-HEIII | CHARGES BILL TO ASSOC COS-MPC | CHARGES BILL TO ASSOC COS-TOOTS (HTB) | CHARGES BILL TO ASSOC COS-ASB | CHARGES BILL TO ASSOC COS-PECS |
| 618 | Mng Past Due Accts | | 24.46 | | | | | | |
| 627 | Perf Non Reg Svcs Work | | | | | | | | |
| 700 | Dev & Adm Business Plans | 14,081.84 | 24,225.55 | 43,853.98 | | | | | |
| 701 | Dev & Mg Forecasts | 12,690.61 | 13,477.25 | 277.92 | | | | | |
| 710 | Dev & Mg Fcst-Sales/Load | 25,903.26 | 23,419.66 | | | | | | |
| 711 | Adm & Impl IRP Pgm-Base | 155,574.72 | 239.33 | | | | | | |
| 712 | Adm & Impl IRP Pgm-Incr | | 155,627.18 | | | | | | |
| 714 | Adm & Impl DSM Pgm-Incr | 227,104.20 | 177,718.31 | | | | | | |
| 720 | Improve Bus Processes | 2,090.59 | | | | | | | |
| 722 | Org Dev Strat | | | | | | | | |
| 723 | Mg Incent & Recog Pgm | 1,571.92 | 3,172.87 | | | | | | |
| 730 | Rsrch New Technology | 269,779.34 | 221,445.32 | | | | | | |
| 731 | Dev & Demo New Tech | | 1,823.00 | | | | | | |
| 736 | Pricing Anlys&Proposals | 49,159.58 | 25,054.91 | | | | | | |
| 737 | Cost Recov & Rate Adj | 27,530.51 | 30,863.71 | | | | | | |
| 738 | Othr PUC Reg Filings | 30,506.29 | 31,623.19 | | | | | | |
| 739 | PUC Cap Proj Filings | 3,997.80 | 23,853.55 | | | | | | |
| 745 | Maint Rel-Leg & Govt Ag | 11,716.76 | 6,945.80 | | | | | | |
| 749 | Maint Rel-Ind Assoc | 50,394.00 | 54,028.00 | | | | | 6,903.02 | |
| 750 | Maint Rel- Cust | 34,796.74 | 31,754.41 | 6,177.68 | | | | | |
| 751 | Adm Informational Ad | 1,971.79 | 1,803.01 | | | | | | |
| 752 | Maint Rel-Media | 7,239.97 | 2,103.64 | | | | | | |
| 753 | Maint Rel-Community | 8,534.00 | 5,814.00 | 144.74 | | | | | |
| 755 | Maint Rel-BOD | 10,061.31 | 8,190.89 | 56,878.05 | | 108.10 | | 4,839.54 | |
| 756 | Maint Rel-Invest | 168.50 | 167.67 | 20,840.67 | | | | | |
| 760 | Audits-Internal | 8,935.81 | 26,908.92 | | | | | | |
| 761 | Audits-External | 409.05 | 409.05 | 204.52 | | | | | |
| 765 | Empl Pol Prac Proc | 1,888.71 | 263.51 | 608.97 | | | | | |
| 766 | Maint Employee Recds | 1,724.66 | 1,673.94 | 309.26 | | | | | |
| 767 | Recruit PolPracProc | 45,534.99 | | 2,018.21 | | | | | |
| 775 | Empl Comp PolPracProc | 18,525.00 | 16,383.91 | 9,897.41 | | | | | 146.52 |
| 776 | Ben Plan PolPracProc | 16,421.53 | 16,998.02 | 3,403.44 | | | | 62.40 | |
| 777 | Process Payroll | 412.31 | 770.06 | 3,043.82 | | | | 398.14 | 1,140.55 |
| 778 | Adm Flexible Ben Pgm | 18,988.98 | 19,015.98 | 7,400.80 | | | | | 1,698.10 |
| 779 | Adm Retirement Pgm | 28,635.22 | 27,819.86 | 24,737.31 | | | | | 1,301.72 |
| 780 | AdmBen Oth than Flex Ret | 46,394.70 | 48,258.24 | 95,696.47 | | | 152.20 | 11,493.41 | 1,272.22 |
| 787 | Dev Empl Training | 4,389.40 | | | | | | | 19.29 |
| 788 | Conduct Empl Training | 8,480.82 | 12,779.75 | | | | | | |
| 789 | Attend Training | | 1,233.75 | | | | | | |
| 795 | Mg Safety Pgm & Trng | 578.12 | | | | | | 390.12 | |
| 805 | Mg BU & Oth Lbr Agrmnt | 17,578.12 | 16,450.68 | | | | | | |
| 807 | Co-wide Empl Commun | 8,474.95 | 7,861.93 | 28,071.32 | | | | | |
| 815 | Dev Adm Acctg Pol Proc | 1,345.94 | 1,133.81 | | | | | | |
| 817 | Maint Fixed Asset Rcds | 38,824.41 | 45,693.66 | | | | | | |
| 818 | Maint G/L & Stat Info | 9,313.62 | 8,427.86 | 32,652.36 | 2,612.27 | | | 432.68 | 296.67 |

NARUC 1861
HECO Charges Billable to associated companies
2003

| ON | 186400 | 186410 | 186420 | 186430 | 186450 | 186460 |
|---|---|---|---|---|---|---|
| BILL COS- | CHARGES BILL TO ASSOC COS-HEI | CHARGES BILL TO ASSOC COS-HEIII | CHARGES BILL TO ASSOC COS-MPC | CHARGES BILL TO ASSOC COS-TOOTS (HTB) | CHARGES BILL TO ASSOC COS-ASB | CHARGES BILL TO ASSOC COS-PECS |
| 93.54 | 189,909.75 | 727.37 | (536.28) | 1,433.18 | | 475.80 |
| 74.28 | 27,300.00 | | | | | |
| 54.34 | | | | | | |
| 36.95 | 505.77 | | | | | |
| 79.27 | 2,813.30 | 280.97 | | | | |
| 66.41 | | | | | | |
| 74.12 | | | | | | |
| 10.62 | 2,629.32 | | | | | |
| 97.56 | | | | | | |
| 60.73 | | | | | | |
| 30.49 | | | | | | |
| 59.28 | | | | | | |
| 30.50 | | | | | | |
| 33.27 | | | | | | |
| 59.93 | | | | | | |
| | | | | | | |
| 21.96 | 1,356.52 | | | | | |
| 36.08 | | | | | | |
| | 204.26 | | | | 52,100.00 | |
| 25.22 | 13,314.00 | | | | | |
| | 12,180.80 | | | | | |
| 00.16 | | | | | | |
| 09.12 | | | | | | |
| | 144.33 | | | | | |
| | 11,996.57 | | | | | |
| | | | | | | |
| | 1,024.77 | | | | | |
| 12.50 | | | | | | |
| | 212.80 | | | | | |
| 9.21 | 12,528.50 | | | | 16,149.67 | 766.05 |
| 2.66 | 11,736.46 | | | | 3,749.93 | |
| 5.72 | 2,647.22 | | | 1,064.99 | 316.69 | 20,746.08 |
| 9.11 | | | 473.19 | | | |
| | | | | | | |
| | | | | | | |
| 0.80 | 1,768.25 | | | | | |
| 2.25 | 647,417.24 | 3,620.61 | 45.01 | 2,650.37 | 96,835.80 | 27,863.00 |

NARUC 1861
HECO Charges Billable to associated companies
2003

| Sum of Amount | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 186470 | 186480 | 186481 | 186482 | 186483 | 186484 | 186486 |
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HEIPC | CHARGES BILL TO ASSOC COS-HEIDI | CHGS BILL HEIDC INC | CHARGES BILL TO PROVISTECH | CHARGES BILL TO HEI LEASING INC. | CHARGES BILL TO HEI PROPERTIES INC. | Charges Billable-Renewable Hawaii, Inc. |
| 042 | Financial Securities Issuance | | | | | | | |
| 100 | Cond Mkt Research-Reg | | | | | | | |
| 110 | Impl Mktg Pgm-Core | | | | | | | |
| 111 | Impl Mktg Pgm-Non Core | | | | | | | |
| 121 | Adm Firm Cap Contracts | | | | | | | |
| 122 | Eval & Neg New Cont | | | | | | | |
| 131 | Rev Enhance-NonReg | | | | | | | |
| 140 | Impl Mktg Pgm-NonReg | | | 36.30 | | | | 7,632.40 |
| 200 | Dev Gen Forecasts | | | | | | | |
| 201 | Perf Gen Plng Studies | | | | | | | |
| 210 | Plan & Approve Projects | | | | | | | |
| 211 | Engr Design & Mng Proj | | | | | | | |
| 212 | Construct Projects | | | | | | | |
| 220 | Mng Fuel Sup Procuremnt | | | | | | | |
| 221 | Adm Fuel Supp Contract | | | | | | | |
| 222 | Mng Fuel & Dist Svcs | | | | | | | |
| 230 | Mng O&M Fuel Fac | | | | | | | |
| 231 | Mng Fuel Del & Inv Plng | | | | | | | |
| 241 | Op & Mon Fuel Feed Sys | | | | | | | |
| 245 | Mon Plt Perf-Boiler | | | | | | | |
| 257 | Maint Boiler Plt Eq-Prev | | | | | | | |
| 258 | Maint Boiler Plt Eq-Pred | | | | | | | |
| 259 | Maint Boiler Plt Eq-Corr | | | | | | | |
| 260 | Maint Stm Turbo Eq-Prev | | | | | | | |
| 262 | Maint Stm Turbo Eq-Corr | | | | | | | |
| 266 | Maint Com Misc Eq-Prev | | | | | | | |
| 300 | Perf Trans Plng Studies | | | | | | | |
| 302 | E&D Trans Fac-OH Ln | | | | | | | |
| 303 | E&D Trans Fac-UG Ln | | | | | | | |
| 304 | E&D Trans Fac-Sub Eq | | | | | | | |
| 305 | E&D Trans Fac-Sub Str | | | | | | | |
| 307 | Mng Trans Projects | | | | | | | |
| 317 | Const Trans Fac-Sub Eq | | | | | | | |
| 348 | Maint Sub Trans Eq-Prev | | | | | | | |
| 349 | Maint Sub Trans Eq-Pred | | | | | | | |
| 402 | Dev & Maint DistStdSpecs | | | | | | | |
| 456 | Comp&Upd DistMaps&Prints | | | | | | | |
| 465 | Test meters & rel Eq | | | | | | | |
| 492 | Maint Dist Tools & Eq | | | | | | | |
| 600 | Resp to Cus Inq/Svc Req | | | | | | | |
| 604 | Maint Cus Account Info | | | | | | | |
| 610 | Read Billing Meters | | | | | | | |
| 611 | Mg Billing & Acct Prob | | | | | | | |
| 614 | Process Cust Bills | | | | | | | |
| 616 | Process Cust Payments | | | | | | | |

NARUC 1861
HECO Charges Billable to associated companies
2003

| Sum of Amount | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 186470 | 186480 | 186481 | 186482 | 186483 | 186484 | 186486 |
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HEIPC | CHARGES BILL TO ASSOC COS-HEIDI | CHGS BILL HEIDC INC | CHARGES BILL TO PROVISTECH | CHARGES BILL TO HEI LEASING INC. | CHARGES BILL TO HEI PROPERTIES INC. | Charges Billable-Renewable Hawaii, Inc. |
| 618 | Mng Past Due Accts | | | | | | | |
| 627 | Perf Non Reg Svcs Work | 16,489.63 | | | | | | |
| 700 | Dev & Adm Business Plans | | | | | | | |
| 701 | Dev & Mg Forecasts | | | | | | | 44,235.97 |
| 710 | Dev & Mg Fcst-Sales/Load | | | | | | | |
| 711 | Adm & Impl IRP Pgm-Base | | | | | | | |
| 712 | Adm & Impl IRP Pgm-Incr | | | | | | | |
| 714 | Adm & Impl DSM Pgm-Incr | | | | | | | |
| 720 | Improve Bus Processes | | | | | | | |
| 722 | Org Dev Strat | | | | | | | |
| 723 | Mg Incent & Recog Pgm | | | | | | | 4,287.74 |
| 730 | Rsrch New Technology | | | | | | | |
| 731 | Dev & Demo New Tech | | | | | | 1,497.95 | |
| 736 | Pricing Anlys&Proposals | | | | | | | 54,260.85 |
| 737 | Cost Recov & Rate Adj | | | | | | | |
| 738 | Othr PUC Reg Filings | | | | | | | |
| 739 | PUC Cap Proj Filings | | | | | | | |
| 745 | Maint Rel-Leg & Govt Ag | | | | | | | |
| 749 | Maint Rel-Ind Assoc | | | | | | | |
| 750 | Maint Rel- Cust | | | | | | | |
| 751 | Adm Informational Ad | | | | | | | |
| 752 | Maint Rel-Media | | | | | | | |
| 753 | Maint Rel-Community | | | | | | | |
| 755 | Maint Rel-BOD | | | | | | | |
| 756 | Maint Rel-Invest | | | | | | | 812.66 |
| 760 | Audits-Internal | | | | | | | |
| 761 | Audits-External | | | | | | | |
| 765 | Empl Pol Prac Proc | | | | | | | |
| 766 | Maint Employee Recds | | | | | | | |
| 767 | Recruit PolPracProc | 116.64 | | | 1,007.33 | | | |
| 775 | Empl Comp PolPracProc | | | | 81.83 | | | |
| 776 | Ben Plan PolPracProc | 144.70 | | | 218.72 | | | |
| 777 | Process Payroll | 1,246.80 | | | 529.14 | | | |
| 778 | Adm Flexible Ben Pgm | 663.78 | | | 487.23 | | | |
| 779 | Adm Retirement Pgm | 735.15 | | | 537.17 | | | |
| 780 | AdmBen Oth than Flex Ret | 12.97 | | | 2.50 | | | |
| 787 | Dev Empl Training | | | | | | | |
| 788 | Conduct Empl Training | | | | | | | |
| 789 | Attend Training | | | | | | | |
| 795 | Mg Safety Pgm & Trng | | | | | | | |
| 805 | Mg BU & Oth Lbr Agrmnt | | | | | | | |
| 807 | Co-wide Empl Commun | | | | | | | |
| 815 | Dev Adm Acctg Pol Proc | | | | | | | 3,566.32 |
| 817 | Maint Fixed Asset Rcds | | | | | | | |
| 818 | Maint G/L & Stat Info | 296.67 | 2,612.97 | | 252.03 | | | 7,998.48 |

NARUC 1861
HECO Charges Billable to associated companies
2003

| | 186470 | 186480 | 186481 | 186482 | 186483 | 186484 | 186486 |
|---|---|---|---|---|---|---|---|
| | CHARGES BILL TO ASSOC COS-HEIPC | CHARGES BILL TO ASSOC COS-HEIDI | CHGS BILL HEIDC INC | CHARGES BILL TO PROVISTECH | CHARGES BILL TO HEI LEASING INC. | CHARGES BILL TO HEI PROPERTIES INC. | Charges Billable-Renewable Hawaii, Inc. |
| | 3,207.98 | 557.26 | 162.00 | 112.98 | 454.22 | 305.76 | 772.58 |
| ] | | | | | | | |
| ys | | | | | | | |
| Int | | | | | | | |
| Ext | | 281.67 | | | | | |
| & Svcs | | | | | | | |
| Pmt | | | | | | | |
| & Mat | | | | 119.01 | | | |
| ts-Air | | | | | | | |
| ts-Wtr | | | | | | | |
| ermits | | | | | | | |
| m-Air | | | | | | | |
| tewtr | | | | | | | |
| ste OilRel | | | | | | | |
| ste NonOil | | | | | | | |
| Noise | | | | | | | |
| App | | | | | | | |
| ame | | | | | | | |
| | | | | | | | |
| op-Bus | | | | | | | |
| elecom | | | | | | | |
| operty | | | | | | | |
| ls | | | | | | | |
| nfig Fac | | | | | | | |
| Grnds | | | | | | | |
| nds | | | | | | | |
| stodial | | | | | | | |
| Pol&Proc | | | | | | | |
| | | | | | | | |
| s-Liab | 422.20 | | | 256.08 | | | |
| s-Prop | | | | | | | |
| s-WC | 45.72 | | | | | | |
| Doc | | | | 269.23 | | | |
| tiligence | | | | | | 1,631.14 | |
| Mail | | | | | | | |
| | | | | | | | |
| | 23,382.24 | 3,451.90 | 198.30 | 3,873.25 | 454.22 | 3,434.85 | 123,567.02 |

NARUC 1861
HECO Charges Billable to associated companies
2004

| | 186400 | 186410 | 186420 | 186430 | 186450 | 186460 |
|---|---|---|---|---|---|---|
| ILL OS- | CHARGES BILL TO ASSOC COS-HEI | CHARGES BILL TO ASSOC COS-HEIII | CHARGES BILL TO ASSOC COS-MPC | CHARGES BILL TO ASSOC COS-TOOTS (HTB) | CHARGES BILL TO ASSOC COS-ASB | CHARGES BILL TO ASSOC COS-PECS |
| .98 | | | | | | |
| .59 | | | | | | |
| .71 | | | | | | |
| | | | | | | |
| .65 | | | | | | |
| .44 | | | | | | |
| | | | | | | |
| .65 | | | | | | |
| .27 | | | | | | |
| .67 | | | | | | |
| .45 | | | | | | |
| | | | | | | |
| .24 | | | | | | |
| .46 | | | | | | |
| .30 | | | | | | |
| .50 | | | | | | |
| .11 | | | | | | |
| .31 | | | | | | |
| | | | | | | |
| .00 | | | | | | |
| | | | | | | |
| | | | | | | |
| .14 | | | | | | |
| .54 | | | | | | |
| | | | | | | |
| .12 | | | | | | |
| .49 | | | | | | |
| .15 | | | | | | |
| | | | | | | |
| .14 | | | | | | |
| | | | | | | |
| .23 | | | | | | |
| .61 | | | | | | |
| | | | | | | |
| .09 | | | | | | |
| .48 | | | | | | |
| | | | | | | |
| | | | | | | |
| .36 | | | | | | |
| .54 | 15,148.60 | | | | | |
| .02 | | | | | | |
| .65 | | | | | | |
| .70 | | | | | | |

NARUC 1861
HECO Charges Billable to associated companies

| | INTER_NARUC | DESCRIPTION | | 2004 | | | | |
|---|---|---|---|---|---|---|---|---|
| | 186200 | 186300 | 186400 | 186410 | 186420 | 186430 | 186450 | 186460 |
| c | CHARGES BILL TO ASSOC COS-HELCO | CHARGES BILL TO ASSOC COS-MECO | CHARGES BILL TO ASSOC COS-HEI | CHARGES BILL TO ASSOC COS-HEIII | CHARGES BILL TO ASSOC COS-MPC | CHARGES BILL TO ASSOC COS-TOOTS (HTB) | CHARGES BILL TO ASSOC COS-ASB | CHARGES BILL TO ASSOC COS-PECS |
| st Bills | 272,750.47 | 224,283.95 | | | | | | |
| st Payments | 19,311.10 | 19,342.31 | | | | | | |
| g Svcs Work | | | | | | | | |
| Business Plans | 28,239.31 | 21,727.99 | 40,532.60 | | | | | |
| orecasts | 61,978.75 | 60,470.89 | 56.92 | | | | | 847.75 |
| cst-Sales/Load | 32,018.87 | 29,387.08 | | | | | 11.38 | |
| IRP Pgm-Base | 267,286.28 | 276.59 | | | | | | |
| IRP Pgm-Incr | | 129,997.34 | | | | | | |
| DSM Pgm-Incr | 144,839.88 | 135,651.24 | | | | | | |
| Anlz Perf | 508.85 | 665.61 | | | | | | |
| at | 671.29 | 623.51 | | | | | | |
| Recog Pgm | 1,618.50 | 2,986.62 | | | | | | |
| Technology | 323,168.72 | 297,149.15 | | | | | | |
| s&Proposals | 44,306.74 | 1,638.13 | | | | | | |
| & Rate Adj | 5,698.05 | 4,283.70 | | | | | | |
| eg Filings | 34,178.89 | 30,142.24 | | | | | | |
| ol Filings | 7,145.36 | 22,811.46 | | | | | | |
| g & Govt Ag | 11,100.15 | 7,356.60 | | | | | | |
| d Assoc | 52,764.00 | 55,337.00 | | | | | 6,802.80 | |
| ust | 31,184.90 | 27,406.84 | 6,557.94 | | | | | |
| ational Ad | 2,727.08 | 2,352.97 | | | | | | |
| edia | 1,354.14 | | | | | | | |
| ommunity | 8,000.00 | 6,000.00 | 223.54 | | | | | |
| OD | 14,886.69 | 10,548.94 | 60,035.41 | | | | | |
| vest | 256.62 | 256.62 | 21,610.51 | | | | 5,962.30 | |
| al | 13,528.13 | 248.01 | | | | | | |
| nal | 64.44 | 64.44 | 75.25 | | | | | |
| ac Proc | 15,902.24 | 2,063.81 | | | | | 21.81 | 10.27 |
| yee Recds | 2,173.10 | 2,303.07 | 804.11 | | | | | |
| racProc | | | 1,763.90 | | | | | 24.60 |
| PolPracProc | 24,219.20 | 21,538.45 | 9,007.35 | | | | | 153.20 |
| IPracProc | 457.09 | 459.60 | 810.86 | | | | | |
| roll | 5,006.03 | 2,651.67 | 4,292.67 | | | | 326.77 | 131.19 |
| Ben Pgm | 20,710.64 | 19,272.87 | 10,937.23 | | | | | 934.50 |
| ent Pgm | 15,074.35 | 13,438.39 | 21,864.60 | | | | | 1,538.18 |
| than Flex Ret | 62,013.85 | 56,328.07 | 99,688.19 | | | 44.86 | (2,388.28) | 1,101.45 |
| aining | | 630.22 | | | | | | 18.46 |
| ol Training | 16,535.92 | 12,268.36 | | | | | | |
| ng | 8,213.47 | 1,185.19 | | | | | | |
| gm & Trng | 4,539.21 | | | | | | | |
| re Protect | 3,871.24 | | | | | | | |
| Lbr Agrmnt | 4,751.45 | 2,008.98 | | | | | | |
| ol Commun | 8,035.57 | 7,634.62 | 7,891.80 | | | | | |
| ctg Pol Proc | 568.56 | 171.98 | | | | | | |
| Asset Rcds | 7,834.10 | 6,760.44 | | | | | | |

NARUC 1861

HECO Charges Billable to associated companies

| Sum of Amount | | INTER_NARUC | DESCRIPTION | | 2004 | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | 186200 | 186300 | 186400 | 186410 | 186420 | 186430 | 186450 | 186460 |
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HELCO | CHARGES BILL TO ASSOC COS-MECO | CHARGES BILL TO ASSOC COS-HEI | CHARGES BILL TO ASSOC COS-HEIII | CHARGES BILL TO ASSOC COS-MPC | CHARGES BILL TO ASSOC COS-TOOTS (HTB) | CHARGES BILL TO ASSOC COS-ASB | CHARGES BILL TO ASSOC COS-PECS |
| 818 | Maint G/L & Stat Info | 7,472.79 | 6,874.22 | 9,931.37 | 2,806.84 | | | 818.76 | 199.54 |
| 819 | Adm Tax Return & Reports | 3,108.16 | | | 148.21 | | | | |
| 825 | Manage Cash | 124,828.33 | 33,286.39 | 160,537.31 | 631.64 | (8.36) | 945.01 | | 617.88 |
| 826 | Manage Financing | 62,535.63 | 64,236.13 | 79,700.00 | | | | | |
| 827 | Perf Econ/Fin Anlys | 1,655.62 | 336.39 | 276.25 | | | | | |
| 835 | Fin Rpts/StatInfo-Int | 1,911.34 | 1,884.18 | 53.57 | | | | | |
| 836 | Fin Rpts/StatInfo-Ext | 129,868.94 | 320,279.58 | 1,023.49 | 145.00 | | | | |
| 841 | New Supp/Contr/Consult | | 55.17 | | | | | | |
| 842 | Order Mat Eq Sup & Svcs | 15,607.19 | 20,579.48 | | | | | | |
| 843 | Proc Invoices Oth Pmt | 112,828.74 | 113,503.37 | 240.09 | | | | | |
| 844 | Prep Contr-Svcs & Mat | 4,118.86 | 1,841.78 | 1,028.80 | | | | | |
| 865 | Apply Envir Permits-Air | 179,522.10 | 45,349.91 | | | | | | |
| 866 | Apply Envir Permits-Wtr | 23,354.00 | 5,685.12 | | | | | | |
| 867 | Apply Land Use Permits | 14,266.38 | | | | | | | |
| 875 | Comply Ongo Perm-Air | 40,193.42 | 70,908.05 | | | | | | |
| 876 | Comply Ongo-Wstewtr | 118,342.68 | 91,800.27 | | | | | | |
| 877 | Cmply Sld&HazWste OilRel | 54,492.99 | 50,929.24 | | | | | | |
| 878 | Cmply Sld&HazWste NonOil | 22,990.29 | 28,707.08 | | | | | | 27.04 |
| 879 | Comply Ongoing-Noise | 383.54 | | | | | | | |
| 891 | Maint Exist Comp App | 192,664.42 | 191,649.08 | | | | | | |
| 895 | Op & Maint Mainframe | 134,330.73 | 134,330.73 | 5,221.00 | | | | | |
| 896 | Op & Maint LAN | 20,129.27 | 15,815.87 | 543.60 | | | | | |
| 897 | Op & Maint Desktop-Bus | 82,073.48 | 47,289.22 | 10,091.54 | | | | | |
| 899 | Maintain Applications | 111.28 | 111.28 | | | | | | |
| 900 | Op Desktop OffcTelecom | | | 7,988.52 | | | | | |
| 907 | Mg E&D Sys-Telecom | | 24,398.75 | | | | | | |
| 925 | Purchase Real Property | 1,653.89 | 6,630.83 | | | | | | |
| 928 | Process Easements | 1,698.21 | 923.76 | | | | | | |
| 931 | Care for Bldgs & Grnds | | | 16,333.38 | | | | | |
| 932 | Repair Bldgs & Grnds | 49,217.64 | 3,252.45 | | | | | | |
| 934 | Prov&Mg Svcs-Custodial | | | 1,512.37 | | | | | |
| 940 | Mg/Adm Veh Pgm Pol&Proc | 23,869.05 | 13,047.50 | | | | | | |
| 942 | Maint Vehicles | 1,123.63 | | | | | | | |
| 950 | Prov Risk Mgt Svcs-Liab | 386,313.26 | 431,553.37 | 1,056,511.25 | | | | 11,213.70 | 1,050.10 |
| 951 | Prov Risk Mgt Svcs-Prop | 432,846.73 | 748,702.64 | 5,267.95 | | | | 4,415.81 | |
| 953 | Prov Risk Mgt Svcs-WC | 65,630.89 | 71,586.34 | 1,092.90 | | | 542.85 | 478.79 | 11,698.00 |
| 960 | Mg Svc & Process Doc | 19,928.59 | 11,656.76 | | | | | | |
| 961 | Cond Legal Due Diligence | 2,826.53 | | 52.01 | | | | | |
| 966 | Handle & Deliver Mail | 407.13 | | | | | | | |
| 967 | Prov Printing Svcs | | 82.96 | 2,870.18 | | | | 182.75 | |
| Grand Total | | 5,465,948.05 | 4,779,660.44 | 1,661,577.06 | 3,731.69 | (8.36) | 1,532.72 | 27,846.59 | 18,352.16 |

NARUC 1861
HECO Charges Billable to associated companies
2004

| Sum of Amount | | 186470 | 186480 | 186484 | 186486 |
|---|---|---|---|---|---|
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HEIPC | CHARGES BILL TO ASSOC COS-HEIDI | CHARGES BILL TO HEI PROPERTIES INC. | Charges Billable-Renewable Hawaii, Inc. |
| 042 | Financial Securities Issuance | | | | |
| 100 | Cond Mkt Research-Reg | | | | |
| 110 | Impl Mktg Pgm-Core | | | | |
| 111 | Impl Mktg Pgm-Non Core | | | | |
| 121 | Adm Firm Cap Contracts | | | | |
| 122 | Eval & Neg New Cont | | | | |
| 131 | Rev Enhance-NonReg | | | | 36,219.46 |
| 200 | Dev Gen Forecasts | | | | |
| 201 | Perf Gen Plng Studies | | | | |
| 210 | Plan & Approve Projects | | | | |
| 211 | Engr Design & Mng Proj | | | | |
| 212 | Construct Projects | | | | |
| 220 | Mng Fuel Sup Procuremnt | | | | |
| 221 | Adm Fuel Supp Contract | | | | |
| 222 | Mng Fuel & Dist Svcs | | | | |
| 230 | Mng O&M Fuel Fac | | | | |
| 231 | Mng Fuel Del & Inv Plng | | | | |
| 241 | Op & Mon Fuel Feed Sys | | | | |
| 245 | Mon Plt Perf-Boiler | | | | |
| 257 | Maint Boiler Plt Eq-Prev | | | | |
| 260 | Maint Stm Turbo Eq-Prev | | | | |
| 261 | Maint Stm Turbo Eq-Pred | | | | |
| 300 | Perf Trans Plng Studies | | | | |
| 302 | E&D Trans Fac-OH Ln | | | | |
| 303 | E&D Trans Fac-UG Ln | | | | |
| 304 | E&D Trans Fac-Sub Eq | | | | |
| 305 | E&D Trans Fac-Sub Str | | | | |
| 307 | Mng Trans Projects | | | | |
| 315 | Const Trans Fac-OH Ln | | | | |
| 317 | Const Trans Fac-Sub Eq | | | | |
| 344 | Maint Tr OH Ln-Corr | | | | |
| 348 | Maint Sub Trans Eq-Prev | | | | |
| 349 | Maint Sub Trans Eq-Pred | | | | |
| 400 | Perf Dist Plng Studies | | | | |
| 402 | Dev & Maint DistStdSpecs | | | | |
| 403 | E&D Dist Fac-OH Ln | | | | |
| 456 | Comp&Upd DistMaps&Prints | | | | |
| 475 | Maint Dist OH Ln-Corr | | | | |
| 492 | Maint Dist Tools & Eq | | | | |
| 600 | Resp to Cus Inq/Svc Req | | | | |
| 604 | Maint Cus Account Info | | | | |
| 610 | Read Billing Meters | | | | |
| 611 | Mg Billing & Acct Prob | | | | |

NARUC 1861

HECO Charges Billable to associated companies

| Sum of Amount | | 2004 | | | |
|---|---|---|---|---|---|
| | | 186470 | 186480 | 186484 | 186486 |
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HEIPC | CHARGES BILL TO ASSOC COS-HEIDI | CHARGES BILL TO HEI PROPERTIES INC. | Charges Billable-Renewable Hawaii, Inc. |
| 614 | Process Cust Bills | | | | |
| 616 | Process Cust Payments | | | | |
| 627 | Perf Non Reg Svcs Work | 21,984.44 | | | |
| 700 | Dev & Adm Business Plans | | | | |
| 701 | Dev & Mg Forecasts | | | | |
| 710 | Dev & Mg Fcst-Sales/Load | | | | |
| 711 | Adm & Impl IRP Pgm-Base | | | | |
| 712 | Adm & Impl IRP Pgm-Incr | | | | |
| 714 | Adm & Impl DSM Pgm-Incr | | | | |
| 721 | Dev Meas & Anlz Perf | | | | |
| 722 | Org Dev Strat | | | | |
| 723 | Mg Incent & Recog Pgm | | | | |
| 730 | Rsrch New Technology | | | | |
| 736 | Pricing Anlys&Proposals | | | | |
| 737 | Cost Recov & Rate Adj | | | | |
| 738 | Othr PUC Reg Filings | | | | |
| 739 | PUC Cap Proj Filings | | | | |
| 745 | Maint Rel-Leg & Govt Ag | | | | |
| 749 | Maint Rel-Ind Assoc | | | | |
| 750 | Maint Rel- Cust | | | | |
| 751 | Adm Informational Ad | | | | |
| 752 | Maint Rel-Media | | | | |
| 753 | Maint Rel-Community | | | | |
| 755 | Maint Rel-BOD | | | | |
| 756 | Maint Rel-Invest | | | | |
| 760 | Audits-Internal | | | | |
| 761 | Audits-External | | | | |
| 765 | Empl Pol Prac Proc | | | | |
| 766 | Maint Employee Recds | | | | |
| 767 | Recruit PolPracProc | | | | |
| 775 | Empl Comp PolPracProc | | | | |
| 776 | Ben Plan PolPracProc | 203.66 | | | |
| 777 | Process Payroll | 1,037.77 | | | |
| 778 | Adm Flexible Ben Pgm | 723.13 | | | |
| 779 | Adm Retirement Pgm | 584.34 | | | |
| 780 | AdmBen Oth than Flex Ret | | | | |
| 787 | Dev Empl Training | | | | |
| 788 | Conduct Empl Training | | | | |
| 789 | Attend Training | | | | |
| 795 | Mg Safety Pgm & Trng | | | | |
| 796 | Prov & Mg Fire Protect | | | | |
| 805 | Mg BU & Oth Lbr Agrmnt | | | | |
| 807 | Co-wide Empl Commun | | | | |
| 815 | Dev Adm Acctg Pol Proc | | | | |
| 817 | Maint Fixed Asset Rcds | | | | |

NARUC 1861
HECO Charges Billable to associated companies

| Sum of Amount | | 2004 | | | |
|---|---|---|---|---|---|
| | | 186470 | 186480 | 186484 | 186486 |
| ACCOUNT | Activity Desc | CHARGES BILL TO ASSOC COS-HEIPC | CHARGES BILL TO ASSOC COS-HEIDI | CHARGES BILL TO HEI PROPERTIES INC. | Charges Billable-Renewable Hawaii, Inc. |
| 818 | Maint G/L & Stat Info | 54.38 | 2,770.03 | | 11,112.82 |
| 819 | Adm Tax Return & Reports | | | | |
| 825 | Manage Cash | 2,354.83 | 457.40 | 403.98 | 48.24 |
| 826 | Manage Financing | | | | |
| 827 | Perf Econ/Fin Anlys | | | | |
| 835 | Fin Rpts/StatInfo-Int | | | | |
| 836 | Fin Rpts/StatInfo-Ext | | 226.79 | | |
| 841 | New Supp/Contr/Consult | | | | |
| 842 | Order Mat Eq Sup & Svcs | | | | |
| 843 | Proc Invoices Oth Pmt | | | | |
| 844 | Prep Contr-Svcs & Mat | | | | |
| 865 | Apply Envir Permits-Air | | | | |
| 866 | Apply Envir Permits-Wtr | | | | |
| 867 | Apply Land Use Permits | | | | |
| 875 | Comply Ongo Perm-Air | | | | |
| 876 | Comply Ongo-Wstewtr | | | | |
| 877 | Cmply Sld&HazWste OilRel | | | | |
| 878 | Cmply Sld&HazWste NonOil | | | | |
| 879 | Comply Ongoing-Noise | | | | |
| 891 | Maint Exist Comp App | | | | |
| 895 | Op & Maint Mainframe | | | | |
| 896 | Op & Maint LAN | | | | |
| 897 | Op & Maint Desktop-Bus | | | | |
| 899 | Maintain Applications | | | | |
| 900 | Op Desktop OffcTelecom | | | | |
| 907 | Mg E&D Sys-Telecom | | | | |
| 925 | Purchase Real Property | | | | |
| 928 | Process Easements | | | | |
| 931 | Care for Bldgs & Grnds | | | | |
| 932 | Repair Bldgs & Grnds | | | | |
| 934 | Prov&Mg Svcs-Custodial | | | | |
| 940 | Mg/Adm Veh Pgm Pol&Proc | | | | |
| 942 | Maint Vehicles | | | | |
| 950 | Prov Risk Mgt Svcs-Liab | 1,512.99 | | | 6.63 |
| 951 | Prov Risk Mgt Svcs-Prop | | | | |
| 953 | Prov Risk Mgt Svcs-WC | 48.36 | | | |
| 960 | Mg Svc & Process Doc | | | | |
| 961 | Cond Legal Due Dillgence | | | 12.94 | |
| 966 | Handle & Deliver Mail | | | | |
| 967 | Prov Printing Svcs | | | | |
| Grand Total | | 28,503.90 | 3,454.22 | 416.92 | 47,387.15 |

NARUC 146
A/R from associated companies
2003

| Sum of SumOfTRAN_AMOUNT | INTER_NARUC | | |
|---|---|---|---|
| Desc | 146200 ACCTS RECV FROM ASSOC CO-HELCO | 146300 ACCTS RECV FROM ASSOC CO-MECO | 146400 ACCTS RECV FROM ASSOC CO-HEI |
| HEI KING ST RENTAL, WARD PARKG | | | 289,641.64 |
| ICS | 19,943.00 | (2,276.00) | |
| ISD Billing Charges | 185,960.41 | 134,747.07 | |
| TO REVERSE DATA CENTER CHRGS 04/03-05/03 | | | (52,100.00) |
| Grand Total | 205,903.41 | 132,471.07 | 237,541.64 |

1 146
A/R from associated companies
2004

| Sum of SumOfTRAN_AMOUNT | INTER_NARUC DESCRIPTION | | |
|---|---|---|---|
| | 146200 | 146300 | 146400 |
| Desc | ACCTS RECV FROM ASSOC CO HELCO | ACCTS RECV FROM ASSOC CO MECO | ACCTS RECV FROM ASSOC CO HEI |
| HEI KING ST RENTAL, WARD PARKG | | | 323,233.71 |
| ICS | 15,000.00 | (1,656.00) | |
| ISD Billing Charges | 238,759.95 | 179,923.27 | |
| Grand Total | 253,759.95 | 178,267.27 | 323,233.71 |

HEI charges to HECO
2003

| DSTRCT_CODE | CCYY_IND | NARUC | | ACCOUNT_RA | ACCOUNT_EXP | ACCOUNT_ACT | Activity Description | Amount |
|---|---|---|---|---|---|---|---|---|
| HECO | 2003 | 184 | CLRNG ACCTS | PEI | 550 | 895 | Op & Maint Mainframe | 106,696.22 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 700 | Dev & Adm Business Plans | 121,013.73 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 701 | Dev & Mg Forecasts | 1,796.08 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 723 | Mg Incent & Recog Pgm | 317,181.71 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 755 | Maint Rel-BOD | 46,836.59 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 756 | Maint Rel-Invest | 575,202.42 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 760 | Audits-Internal | 13,663.04 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 775 | Empl Comp PolPracProc | 72,383.35 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 815 | Dev Adm Acctg Pol Proc | 28,769.68 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 819 | Adm Tax Return & Reports | 176,740.18 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 825 | Manage Cash | 867.36 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 826 | Manage Financing | 2,177.69 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 836 | Fin Rpts/StatInfo-Ext | 657,031.92 |
| HECO | 2003 | 921 | A&G EXP-NLABR | P9P | 550 | 961 | Cond Legal Due Diligence | (443.22) |
| HECO | 2003 | 926 | EE PENSION/BENEFIT | PFB | 550 | 767 | Recruit PolPracProc | 343.12 |
| HECO | 2003 | 926 | EE PENSION/BENEFIT | P9P | 550 | 776 | Ben Plan PolPracProc | 24,479.75 |
| HECO | 2003 | 926 | EE PENSION/BENEFIT | P9P | 550 | 779 | Adm Retirement Pgm | 169,854.62 |
| HECO | 2003 | 9302 | MISC GEN EXP | PKT | 550 | 826 | Manage Financing | 606.00 |

Intercompany charges
2004

| DSTRCT_CODE | CCYY_IND | NARUC | | ACCOUNT_ACT | ACCOUNT_RA | ACCOUNT_EXP | Activity Description | Amount |
|---|---|---|---|---|---|---|---|---|
| HECO | 2004 | 184 | CLRNG ACCTS | 895 | PEI | 550 | Op & Maint Mainframe | 79,438.81 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 700 | P9P | 550 | Dev & Adm Business Plans | 142,647.27 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 701 | P9P | 550 | Dev & Mg Forecasts | 605.58 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 723 | P9P | 550 | Mg Incent & Recog Pgm | 338,315.01 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 735 | P9P | 550 | Rate Case Filings | 28,008.93 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 753 | P9P | 550 | Maint Rel-Community | 1,793.77 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 755 | P9P | 550 | Maint Rel-BOD | 111,348.07 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 756 | P9P | 550 | Maint Rel-Invest | 713,591.64 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 760 | P9P | 550 | Audits-Internal | 10,890.67 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 775 | P9P | 550 | Empl Comp PolPracProc | 42,545.15 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 815 | P9P | 550 | Dev Adm Acctg Pol Proc | 47,839.59 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 819 | P9P | 550 | Adm Tax Return & Reports | 159,775.32 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 825 | P9P | 550 | Manage Cash | 383.18 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 826 | P9P | 550 | Manage Financing | 11,396.31 |
| HECO | 2004 | 921 | A&G EXP-NLABR | 836 | P9P | 550 | Fin Rpts/StatInfo-Ext | 470,644.65 |
| HECO | 2004 | 926 | EE PENSION/BENEFIT | 776 | P9P | 550 | Ben Plan PolPracProc | 1,496.15 |
| HECO | 2004 | 926 | EE PENSION/BENEFIT | 779 | P9P | 550 | Adm Retirement Pgm | 253,915.64 |

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.,

AND

AMERICAN SAVINGS BANK, F.S.B.,

THIS AGREEMENT ("Agreement") is made this 8th day of November, 1996, but is effective as of January 1, 1997, by and among HAWAIIAN ELECTRIC COMPANY, INC., (hereinafter referred to as "HECO"), and AMERICAN SAVINGS BANK, F.S.B., (hereinafter referred to as "ASB"), a federal savings bank.

WHEREAS, the Managements of HECO and ASB have determined in the exercise of their sound business judgment that in order to achieve their common goals, ASB will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, HECO is willing to provide such services to ASB upon the terms and conditions herein,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to ASB those Services listed in Exhibit A. Additional activity codes may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 ASB reserves the right to terminate certain administrative support services provided by HECO. Cancellation of such services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of ASB and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of ASB.

## ARTICLE II. TERM/CANCELLATION

The term of this Agreement shall commence on January 1, 1997, and shall terminate on December 31, 1997, unless sooner terminated by either party. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 ASB will pay HECO for the Services listed in Exhibit A as provided in this Agreement, in amounts not to exceed the amounts set forth in Exhibit A, without prior written agreement between ASB and HECO.

3.2 On or before the last day of each month, HECO shall bill ASB for the Services performed in the prior month (the billing period) and for any third party charges paid by HECO on behalf of ASB. The invoice shall itemize costs by activity.

The cost of the activities will include loadings which will be added onto applicable labor and nonlabor costs to ensure recovery of all costs incurred by HECO in performing the activities. These costs include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed in conjunction with the preparation of HECO's 1997 operating forecast, and will be effective January 1, 1997 for the full year.

3.3 a. ASB shall pay each invoice in full upon receipt. In the event ASB

interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. ASB shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between ASB and HECO to the extent possible. The ASB and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the ASB and HECO representatives, disputes will be taken to the President of HECO and the ASB President. If resolution cannot be reached between the President of HECO and the ASB President, then the disputes will be taken up to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of HECO and ASB, HECO or

Alternatively, billing corrections relating to earlier billing periods may be processed on bills submitted to ASB. Payments on invoices containing billing corrections will be due upon receipt of the invoice in accordance with the terms noted in Article 3.3a.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of ASB and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the ASB Representative, who shall have the authority to make any decisions and give any direction on behalf of ASB that does not materially change the Services hereunder. Similarly, an employee of ASB shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

ASB Representative:
Controller
AMERICAN SAVINGS BANK, F.S.B.
915 Fort Street, 10th Floor
Honolulu, Hawaii 96813
(808) 539-7697

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

## ARTICLE V. ADMINISTRATION

The HECO Job Accounting Section will be responsible for administering the intercompany billing function.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section shall maintain and retain books and accounts of its charges. ASB shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of ASB. The HECO Job Accounting Section is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with ASB or its designees (as evidenced in writing signed by the ASB Representative) in connection with ASB's audit functions and with regard to audits or examinations by any regulators having jurisdiction over ASB. If the regulator requests or directs program or procedural changes concerning Services under the Agreement, HECO will work with ASB to make such changes as are agreed to be appropriate.

## ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

## ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

AMERICAN SAVINGS BANK, F.S.B.

By _____
Its President

By _____
Its Vice President/~~Controller~~ Executive

("ASB")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its Vice President

By _____
Its Controller

("HECO")

Exhibit A

| Desc. of Service | 1997 | Alt. Supplier | 3rdP. Bid |
|---|---|---|---|
| Gov't Rel; Gov't Rel Program | $10,244 | Local Attys | $18,050 |
| Gen Mgmt. Serv Fee | 1,415 | Local Attys | 1,700 |
| Corp. Acctg; Pens & Disab Acctg | 8,841 | KPMG Peat Marwick | 18,105 |
| Risk Mgmt Services | 40,412 | Johnson & Higgins | 107,388 |
| TOTALS | $60,912 | | $145,243 |

RENEWAL AND EXTENSION OF

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.

AND

AMERICAN SAVINGS BANK, F.S.B.

THIS RENEWAL AND EXTENSION AGREEMENT ("Renewal Agreement") is made this 30th day of December, 2004, but is effective as of January 1, 2005, by and between HAWAIIAN ELECTRIC COMPANY, INC. (hereinafter referred to as "HECO"), and AMERICAN SAVINGS BANK, F.S.B. (hereinafter referred to as "ASB"), a federal savings bank.

WHEREAS, HECO and ASB entered into that certain Administrative Services Agreement dated November 8, 1996, but effective as of January 1, 1997, as amended (collectively, the "Agreement");

WHEREAS, HECO and ASB desire to renew and extend the Agreement upon the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the mutual promises made herein, the parties agree as follows:

[redacted]

3. The column of fees in Exhibit A marked "2005" shall be the amounts that ASB shall pay HECO for Services as set forth in Paragraph 3.1 of the Agreement.

Except as amended above, all remaining terms and conditions of the Agreement are hereby re-affirmed and shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Renewal Agreement on the date first written above.

AMERICAN SAVINGS BANK, F.S.B.

By_____
Its President

By_____
Its Executive Vice President

("ASB")

HAWAIIAN ELECTRIC COMPANY, INC.

By_____
Its Vice President

By_____
Its Controller

("HECO")

| Description | 2004 Budget | 2005 Budget | |
|---|---|---|---|
| Services Provided by HECO Alone | | | |
| President's Office | | | |
| General Management Services Fee | $ 4,398 | $ 5,198 | Increase due to additional labor costs to coordinate ASB Board retreat; also, labor to take minutes at ASB board meeting |
| General Accounting | | | |
| Pension Accounting | 979 | 879 | |
| Financial Services | 47,196 | 39,149 | |
| Liability Insurance | | | |
| Liability Claims | | | |
| Property Insurance | | | |
| Work Comp Insurance | | | |
| Marine Insurance | | | |
| Government Relations | | | |
| Salaries-Gov't Relations | 8,737 | 7,462 | |
| Corporate Communications | | | |
| Audiovisiual Productions | 712 | 670 | |
| | $ 62,021 | $ 53,359 | |

# ADMINISTRATIVE SERVICE AGREEMENT
# BETWEEN
# HAWAIIAN ELECTRIC COMPANY, INC.,
# HAWAIIAN ELECTRIC INDUSTRIES, INC.
# AND
# AMERICAN SAVINGS BANK, F.S.B.

THIS AGREEMENT ("Agreement") is made on the 8th day of November 1996, but is effective January 1, 1997 among Hawaiian Electric Company, Inc., Hawaiian Electric Industries, Inc. (hereinafter individually referred to as "SERVICE PROVIDER" and collectively as "SERVICE PROVIDERS"), and American Savings Bank, F.S.B., (hereinafter referred to as "ASB"), a federal savings bank.

WHEREAS, the management of the SERVICE PROVIDERS and ASB have determined in the exercise of their sound business judgment that in order to achieve their common goals, ASB will purchase from the SERVICE PROVIDERS certain administrative services listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, the SERVICE PROVIDERS are willing to provide such Services to ASB upon the terms and conditions herein,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICES

1.1 The SERVICE PROVIDERS will render those Services listed in Exhibit A.

1.2 ASB reserves the right to terminate certain administrative support services provided by the SERVICE PROVIDERS. Cancellation of such services must be in writing and submitted to the SERVICE PROVIDER at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of ASB and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of ASB.

## ARTICLE II. TERM / CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1997 and shall terminate on December 31, 1997, unless sooner terminated by either ASB or the SERVICE PROVIDER. Cancellation of this Agreement must be in writing and submitted 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 ASB will pay the SERVICE PROVIDERS for the Services listed in Exhibit A as provided in this Agreement, in amounts not to exceed the total of amounts set forth in Exhibit A without prior written agreement between ASB and the SERVICE PROVIDER.

3.2 On or before the last day of each month, the SERVICE PROVIDERS will bill ASB for the Services performed in the prior month (the billing period) and for any third party charges paid by the SERVICE PROVIDERS on behalf of ASB. The invoice shall itemize cost by activity.

The cost of the activities will include loadings which will be added onto applicable labor and nonlabor costs to ensure recovery of all costs incurred by the SERVICE PROVIDERS in performing the activities. These costs may include payroll taxes, vacation overhead, employee benefits, supervisory loadings, office supplies, etc. Hawaiian Electric Company, Inc. loading rates will be developed in conjunction with the preparation of its 1997 operating forecasts, and will be effective January 1, 1997 for the full year. Hawaiian Electric Industries, Inc. loading rates will generally be based upon the cost data available on January 1, 1997.

3.3 a. ASB shall pay each SERVICE PROVIDER'S invoice in full upon receipt. In the event ASB fails to pay all Hawaiian Electric Company, Inc. charges within 30 days of receipt of the invoice, ASB may be assessed an interest charge of .83% per month (10% per annum) on all delinquent charges.

b. ASB may withhold payment of any disputed charges on any Hawaiian Electric Industries, Inc. invoice.

c. ASB shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to the invoice, the disputed charges will be resolved internally between ASB and the SERVICE PROVIDER to the extent possible. The ASB and SERVICE PROVIDER Representatives listed in Article 4, will initially attempt to resolve the disputed charges.

d. If the disputed charges cannot be resolved between ASB and Representatives of the SERVICE PROVIDER, disputes will be taken to the President of

the satisfaction of ASB and the SERVICE PROVIDER, ASB or the SERVICE PROVIDER may seek the help of an outside arbitrator or consultant acceptable to the parties for final resolution.

e. ASB and the SERVICE PROVIDERS will endeavor to resolve disputed charges within 90 days from the date of the invoice.

f. After resolution of disputed charges, all adjustments prescribed by the resolution will be included on the SERVICE PROVIDER's next bill to ASB. Should there be any refund due to ASB for disputed Hawaiian Electric Company, Inc. charges totaling $1,000.00 or more, the amount refunded will include interest, computed on rates applied by Hawaiian Electric Company, Inc. for loans from its subsidiaries. If there are additional amounts owed to the Hawaiian Electric Company, Inc., interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. The SERVICE PROVIDERS may submit revised bills to ASB. Payments will be due upon receipt of the revised bills in accordance with the terms noted in Article 3.3a. Refunds will be applied to SERVICE PROVIDERS' next bill to ASB.

Alternatively, billing corrections relating to earlier billing periods may be processed on bills submitted to ASB. Payments on invoices containing billing corrections will be due upon receipt of the invoice in accordance with the terms noted in Article 3.3a.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of SERVICE PROVIDERS and ASB. An employee of the SERVICE PROVIDER hereunder shall be entitled to rely on the advise and direction of the ASB Representative, who shall have the authority to make decisions and give any directions on behalf of ASB that do not materially change the Services hereunder. Similarly, an employee of ASB shall be entitled to rely on

the advice and direction of the SERVICE PROVIDER Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of the SERVICE PROVIDER that does not materially change the Services hereunder.

Hawaiian Electric Company, Inc. Representative
Controller
Hawaiian Electric Company, Inc.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

Hawaiian Electric Industries, Inc. Representative
Controller
Hawaiian Electric Industries, Inc.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7350

ASB Representative
Controller
American Savings Bank, F.S.B.
915 Fort Street, 10th Floor
Honolulu, Hawaii 96813
(808) 539-7552

## ARTICLE V. ADMINISTRATION

The Hawaiian Electric Company, Inc. Job Accounting Section and the Hawaiian Electric Industries, Inc. Director of Budget and Analysis will be responsible for administering their respective intercompany billing functions.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to SERVICE PROVIDER employee labor rates shall be kept confidential and can be disclosed only with prior written release by the respective SERVICE PROVIDER Representative.

ARTICLE VII. SERVICE PROVIDERS' ACCOUNTING RECORDS: AUDIT

7.1 The SERVICE PROVIDERS will maintain and retain books and accounts of their charges. ASB shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by the SERVICE PROVIDERS. Such verification will be at the expense of ASB. The location of the books and accounts of the charges are identified below.

Hawaiian Electric Company, Inc.
Job Accounting Section
900 Richards Street, Third Floor
Honolulu, Hawaii 96813

Hawaiian Electric Industries, Inc.
Controller
900 Richards Street, Fourth Floor
Honolulu, Hawaii 96813

7.2 The SERVICE PROVIDERS agree to fully cooperate with ASB or its designees (as evidenced in writing signed by the ASB Representative) in connection with ASB's audit function and with regard to audits or examinations by any regulators having jurisdiction over ASB. If the regulator requests or directs program or procedural changes concerning Services under the Agreement, the SERVICE PROVIDERS will work with ASB to make such changes as are agreed to be appropriate.

ARTICLE VIII. PRIOR NEGOTIATIONS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by all three parties.

ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligation imposed upon the parties hereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in

full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

Hawaiian Electric Company, Inc.

By _____
Its Vice President

By _____
Its Controller

Hawaiian Electric Industries, Inc.

By _____
Its Financial Vice President and
Chief Financial Officer

By _____
Its Controller

American Savings Bank, F.S.B.

By _____
Its President

By _____
Executive
Its Vice President

("ASB")

C. Services Provided by HEI/HECO

| | Desc. of Service | 1996 | 1997 | Alt. Supplier | 3rdP. Bid |
|---|---|---|---|---|---|
| 1. | Human Resources Support | | | | |
| | HUM (HEI Human Res.)<br>PEN (HEI Pension)<br>HR Admin; Labor & ISD charges (HECO)<br>Benefits Div.; HEIRS, Flex (HECO) | 309,804 | 314,334 | Buck Consultants | 323,166 |
| 2. | Tax & Accounting Support | | | | |
| | T&A; Inc. tax prep. etc. (Incl. Mgmt Acctg.; Nonlab serv. fee -- HECO).<br>TAX (HEI) | 16,857 | 15,500 | KPMG Peat Marwick | 27,440 |
| | | 326,661 | 329,834 | | 350,606 |

EXHIBIT A

RENEWAL AND EXTENSION OF

ADMINISTRATIVE SERVICES AGREEMENT

AMONG

HAWAIIAN ELECTRIC COMPANY, INC.

HAWAIIAN ELECTRIC INDUSTRIES, INC.

AND

AMERICAN SAVINGS BANK, F.S.B.

THIS RENEWAL AND EXTENSION AGREEMENT ("Renewal Agreement") is made this 30th day of December, 2004, but is effective as of January 1, 2005, by and among HAWAIIAN ELECTRIC COMPANY, INC., HAWAIIAN ELECTRIC INDUSTRIES, INC. (hereinafter collectively referred to as "SERVICE PROVIDERS"), and AMERICAN SAVINGS BANK, F.S.B. (hereinafter referred to as "ASB"), a federal savings bank.

WHEREAS, SERVICE PROVIDERS and ASB entered into that certain Administrative Services Agreement dated November 8, 1996, but effective as of January 1, 1997, as amended (collectively, the "Agreement");

WHEREAS, SERVICE PROVIDERS and ASB desire to renew and extend the Agreement upon the terms and conditions set forth herein;

NOW, THEREFORE, in consideration of the mutual promises made herein, the parties agree as follows:

1. The Agreement is hereby extended for an additional term of one year, effective January 1, 2005, up to and including December 31, 2005.

2. Exhibit A of the Agreement is deleted in its entirely and replaced with the Exhibit

A attached hereto.

3. The column of fees in Exhibit A marked "2005" shall be the amounts that ASB shall pay SERVICE PROVIDERS for Services as set forth in Paragraph 3.1 of the Agreement.

Except as amended above, all remaining terms and conditions of the Agreement are hereby re-affirmed and shall remain in full force and effect.

IN WITNESS WHEREOF, the parties hereto have executed this Renewal Agreement on the date first written above.

AMERICAN SAVINGS BANK, F.S.B.

By _____
Its President

By _____
Its Executive Vice President

("ASB")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its Vice President

By _____
Its Controller

HAWAIIAN ELECTRIC INDUSTRIES, INC.

By _____
Its Financial Vice President

SIGN HERE

By Curtis Y. Harada
Its Controller

("SERVICE PROVIDERS

# ADMINISTRATIVE SERVICES PROVIDED JOINTLY BY HEI/HECO

| | Desc. of Services | 2003 Actual | 2004 Budget | 2005 Budget |
|---|---|---|---|---|
| 1. | Human Resources Support | | | |
| | HEI (Human resources, pension) | 102,240 (A) | 49,987 | 52,486 |
| | HECO (HR Admin, Benefits Div, HEIRS, Flex) | 11,892 | 21,913 | 21,848 |
| | | 114,132 | 71,900 | 74,334 |
| 2. | HEI Tax Support | 82,408 (A) | 75,000 | 135,000 (B) |
| | | 196,540 | 146,900 | 209,334 |

(A) HEI billed ASB only up to the 2003 budgeted amount for these services as follows:

| | Amount Billed |
|---|---|
| HEI (Human resources, pension) | 47,607 |
| HEI Tax Support | 35,270 |

(B) General tax consulting and accrual work is expected to substantially increase due to the requirements of mandated procedures under Sarbanes Oxley.

HAWAIIAN ELECTRIC COMPANY, INC.
Box 2750 / Honolulu, Hawaii / 96803

February 1, 1971

Mr. Colin C. Murdoch
Executive Vice President
Maui Electric Company, Ltd.
P. O. Box 397
Kahului, Hawaii 96732

Mr. W. MacKenzie, President
Hilo Electric Light Company, Ltd.
P. O. Box 1027
Hilo, Hawaii 96720

Re: Agreement between Hawaiian Electric Company, Inc. and Wholly-owned Subsidiaries

Gentlemen:

ultimately assuming the function of computer processing for the subsidiaries.

Advise and assist in the handling of your tax affairs, including representation before appropriate authorities with respect to your tax returns and assessments.

Provide periodic internal auditing of your accounting to assure compliance with regulations and standards established by HECO.

IV. Budgets and Statistics

Prescribe and assist you in formulating standardized capital and operating budgets, monthly and periodic statistical comparison reports; and assist in the use of these data to achieve timely management action for the control of current operations and for forecasting future years' operations.

V. Financing and the Sale of Securities

Utilizing the above described budgeting and forecasting applications, consult with you to determine financing programs, establish lines of credit with banks and secure loans. In permanent financing, after consulting with you, determine the issue and sale of stocks, bonds, notes and other securities; direct and supervise the preparation, printing and clearance of mortgage indentures, registration statements and prospectuses, bonds and stock certificates and all other documents required in the sale of securities including registration and clearances from Federal and State governmental authorities.

VI. Insurance, Pensions and Benefits

Advise and assist you in securing proper insurance coverage for property damage, personal injury, public liability, workmen's compensation and other insurance as required; assist in the settlement of losses and claims. Advise and assist in the revision of your existing employee pension and benefit plans with the ultimate goal of standardizing employee benefits for parent and subsidiaries.

VII. Marketing and Sales

Advise and assist you in marketing research, sales promotion programs and advertising. The assistance to be provided for your newspaper, television and radio advertising and the method of computing the cost to the subsidiary for these services is detailed in Appendix I of this letter entitled "Policy Covering the Prorating of Sales Advertising Costs between HECO, MECO and HELCO."

VIII. Employee Relations

Advise and assist the subsidiaries in the general category of employee relations: including job evaluation, wage and salary administration, organization, employment, training, appraisal, promotion and transfer selection, employee benefits and union relations. The HECO Employee Relations Department will exercise control over all proposed changes in the above matters requested by subsidiaries. HECO will also provide direct assistance in the negotiation of union contracts.

IX. Rates and Regulatory Agencies

Advise and assist subsidiaries in developing rate structures and service rules and in the conduct of business with regulatory agencies.

X. Operations

Establish and assist in the implementation of practices, methods and procedures utilized by the several functional divisions of the subsidiaries. This will include selection and purchase of vehicles, equipment, and tools; organization and manning, training and safety programs.

XI. Engineering

Advise and assist in the implementation of standards, methods and procedures for customer, system and generation engineering. After consulting with you, develop long range plans for transmission and generation. The details of HECO engineering assistance are described in Appendix II to this letter entitled "Subsidiary Engineering Departments Relations with HECO," dated January 11, 1971.

XII. Public and Environmental Relations

Advise and assist subsidiaries in corporate relations with the public, customers, governmental agencies and environmental groups. Assist in developing programs to effectively cope with changing trends in the respective service areas, and appraise the effectiveness of such programs.

XIII. Purchasing

Advise and assist the subsidiaries in the establishment and implementation of uniform purchasing practices; act as your agent in the purchase of specifically authorized major items, and provide a general review of the purchasing function in your company. The

policy governing actions in this field is described under "Purchasing Policy," dated May 2, 1969 as revised, pages 18 through 18d, HECO General Information Manual.

XIV. Land and Rights of Way

Develop a standard land and rights of way policy patterned after HECO's for the subsidiaries.

XV. Other Services

Provide such other services to subsidiaries as they may require, within the capabilities of HECO.

XVI. Subsidiary Management Powers

Nothing in this letter shall be construed to relieve the officers and directors of the subsidiary companies from the performance of their duties or the exercise of their powers as prescribed by law or otherwise. Subsidiary managements will be responsible for their respective company operations, including earnings, with such subsidiary operations conforming to the policies and procedures resulting from the implementation of the provisions of this letter.

XVII. Computation of Charges to Subsidiaries and Payment

A. Direct Services

For all services rendered to you by HECO, you agree to pay the direct and out-of-pocket costs. All services described in this letter, if not covered by a specific cost schedule, will be charged to the subsidiary company through the issuance of a purchase order by your company to HECO, clearly defining the extent of such services desired.

B. Allocation of General Management Expense

1. All charges to account 920.00, "Wages," by origin codes AA and MM.

2. All charges to account 921.1, "Office Supplies and Expense," by origin codes AA and MM.

3. All charges to accounts by all origin codes

| | |
|---|---|
| 930.07 | "Stockholders' Meeting Expenses" and "Annual Reports" |
| 930.08 | "Dividend Checks, etc." and "Dividend and Financial Notices" |

not for annual gross

C. Payment

Payment shall be made by the subsidiaries to HECO by the 25th of the month following receipt of the statements showing the amount due.

XVIII. Duration of Agreement

This agreement, to be effective upon signing by the chief executive of the respective companies, shall remain in force and effect from year to year. It may be modified by agreement of all parties concerned.

Please indicate your acceptance of this letter by signing in the space provided below.

Sincerely,

Lewis W Lengnick

Lewis W. Lengnick, President
Hawaiian Electric Company, Inc.

MAUI ELECTRIC COMPANY, LTD.

by _____
Executive Vice President

HILO ELECTRIC LIGHT COMPANY, LTD.

by _____
President

HAWAIIAN ELECTRIC COMPANY, INC.

APPENDIX I

January 12, 1971

Subject: Policy Covering the Prorating of Sales Advertising Costs between HECO, MECO and HELCO

I. One Format for All Companies - Newspaper and Television

The cost of a newspaper or television advertisement placed over the HECO signature asking the customers on Hawaii, Maui, Lanai and Oahu to see their dealer concerning the advertised product would be based on the space or time cost only and prorated among the three companies according to the ratio of the total number of customers in each company determined at the end of the previous calendar year.

II. Advertising Prepared by HECO for Subsidiaries - Newspaper and Radio

The cost of a newspaper or radio advertisement prepared by HECO and placed by MECO or HELCO in their local newspaper or radio station over their own signature will be prorated as follows: The total original production cost will be divided among the three companies based on the ratio of total customers at the end of the previous calendar year. The using company will pay a nominal charge for changing the printed materials or tape and "see your dealer" change. Newspaper space and color costs and radio time costs will be assumed entirely by MECO or HELCO.

III. Advertising Initiated by One Company for Its Own Service Area Only

The total cost of a newspaper, television or radio advertisement produced by HECO, MECO or HELCO specifically for their own service area will be assumed by the originating company.

IV. Miscellaneous

Direct mail pieces, point of sales advertisements, cook books, recipes, etc. will be available to MECO and HELCO at HECO cost plus shipping.

HAWAIIAN ELECTRIC COMPANY, INC.

APPENDIX II

January 11, 1971

Subject: Subsidiary Engineering Departments' Relations with HECO

I. Introduction

This policy and procedure covers various agreements previously made between the managements of HECO, MECO and HELCO concerning all phases of engineering in the three companies. It supersedes previous memorandums describing the division of engineering between the parent and subsidiaries.

II. Division of Work between Subsidiaries and HECO

A. Customer Engineering

Subsidiaries should handle all customer requests for service. Assistance from HECO Customer Engineering may be requested; (1) when special cases not covered by standards arise, or (2) when subsidiary engineering work load is such that additional help is needed.

B. System Transmission and Distribution

Subsidiaries will perform design and field engineering for all transmission and distribution additions which can be constructed by utilizing existing HECO Construction Standards. In special situations, assistance can be requested from HECO Design Engineering.

C. Substations

Once standard station designs are developed, subsidiaries will be expected to engineer the application of these standards and provide field control of construction. Until standards are developed, assistance should be requested from HECO Design Engineering for new station design and the design of major additions to electrical control systems. HECO Purchasing will obtain bids and coordinate analysis of same by HECO Design for all major station equipement purchases. After designs are turned over to subsidiaries, they will be responsible for obtaining construction bids and administering resulting contracts for substation construction.

D. Planning

Subsidiaries will provide their own planning for customer service, including customer equipment approvals and distribution system planning. Transmission voltage extensions for service should be planned by the subsidiary and submitted to HECO Engineering Planning for review as to conformance to long range plans.

HECO Engineering Planning will provide the subsidiaries with long range system plans for generation, substation, and transmission additions, with adequate details so that cost estimates can be made by the HECO Scheduling and Estimating Section for inclusion in the annual and five year budgets.

HECO Planning will also provide the subsidiaries with detailed single-line diagrams for new substations and switching stations, and major alterations to existing stations.

E. Mapping

Future plans call for a standardized mapping system for all companies, to be under the general administration of the HECO Mapping Division of the Customer Engineering Department.

Details of the procedures to be used to implement this standard mapping system will be worked out between the subsidiaries and the HECO Mapping Division. Work will commence in early 1971.

F. Generation

Planning and design engineering for new sites, additional units, and major modifications will be done by HECO. HECO Planning should be informed of all purchase power contract negotiations in order to coordinate long range planning, and evaluate the economics of proposals.

## III. Organization and Staffing

Subsidiary engineering should be organized to provide the capability to perform three classes of engineering as described above:

A. Customer

B. System

C. Planning

It was agreed that at this time there would be no differentiation in the personnel assigned to do customer or system engineering. Subsidiary Engineering Managers will assign customer or system work to Estimating Engineers in accordance with their capabilities within the scope of the job description, and as the need for work arises. Planning is already separated; under T. Sato on Maui, and M. Mashiyama on Hawaii.

IV. The Role of Supervision

Subsidiary engineering managers are responsible for all work performed by personnel assigned to them. However, the direct supervision of employees is to be delegated to those in charge of the various sections: this is especially true at HELCO, where Nathaniel, Mashiyama and Valera each are responsible for portions of the department. The manager will assure himself through a systematic reporting procedure that proper control is being exercised by his subordinates.

V. Capital Budgets and Upgrading the Systems

A comparison of historical and budgeted future capital expenditures shows both subsidiaries planning increases between 1970 and the years '71 through '75 of the order of two to two and a half times historical expenditures. It was decided that a critical review will be made of the 1971 and 5 year budgets to ensure that system upgrading is not being accelerated beyond feasible economic limits. HECO Planning will assist in this review,

HAWAIIAN ELECTRIC COMPANY, INC.

Agreement between Hawaiian Electric Company, Inc.
and Wholly-owned Subsidiaries, dated February 1, 1971

APPENDIX III

September 18, 1972

Subject: Charging Subsidiaries for Computer Processing and System Development Costs of HECO's Information Systems Department

I. General

It is intended that to the extent practicable, each company (parent and subsidiaries) pay for all computer processing and system development work done for it by HECO's Information Systems Department (ISD).

Costs which can be billed directly to a specific company by vendors, such as the cost of forms and traveling expenses, should be paid directly to the vendor by the specific company.

This agreement sets forth the manner in which certain ISD costs will be apportioned to specific information systems, which will enable them to be identified with specific companies. When system development work is done on an information system that pertains to more than one company, the charges for work on that system will be prorated between the companies involved in an equitable manner that is agreed to by the companies involved. For example, the cost of modifying the Customer Information System would be prorated based on the number of customers of each company.

II. Authorization of Computer Processing and System Development Work

In accordance with the agreement between Hawaiian Electric Company, Inc. and wholly-owned subsidiaries, dated February 1, 1971, to which this agreement is Appendix III, only those data processing services authorized by signed purchase orders from the subsidiary companies, will be charged to them. The purchase orders shall specify the nature, extent and duration of the services; the nature and extent of costs to be charged directly to the subsidiaries by vendors; and the agreed upon method of prorating costs between the companies in those instances where a system is being developed, modified, or converted for more than one company.

III. Costs to be Billed by HECO

Labor costs of ISD employees engaged directly in computer processing and system development activities, and those supervising these activities will be billed. Non-labor costs of the ISD such as equipment rental and supplies, will be billed.

Payroll Taxes and Employee Benefit Costs not charged to the ISD, but which are associated with the labor defined above, will also be billed.

IV. Method of Billing

The subsidiaries will be billed for costs of specific information systems that pertain to them. The bills will show computer processing charges by information system. They will also show what system development work was done, by whom, how long it took, and the amount of charges, by information system. If the system development work applied to more than one company, the bills will show how the costs were prorated between the companies.

HECO will render bills monthly to the subsidiaries for services performed in the previous month. The bills will reference the subsidiary company's purchase order numbers and otherwise be in sufficient detail to enable the subsidiary to charge the proper accounts with their costs.

V. Method of Determining Costs of ISD by Specific Information System

A. Computer Processing

The time of computer usage will be the basis for apportioning the costs of use of the computer and of all other activities involved in processing work through the computer, except for keypunching. The Burroughs Time Accounting and Billing System (TABS), which apportions costs between specific information systems by company based on computer usage time, will serve as the documentation supporting the apportioning of computer processing costs.

B. System Development

The time spent by Information System Specialists working directly on specific systems will be the basis for apportioning the costs of developing new systems, modifying existing systems, and converting existing systems for use by another company. An accounting for the time of all Information System Specialists will serve as the documentation supporting system development charges. Hours spent on systems will be charged out at a standard man-hour rate. The standard man-hour rate will be derived by dividing the forecast of all systems development costs within ISD (other than computer processing) by the forecast of the number of hours that Information System Specialists will be charging directly to specific information systems. Use of the computer in system development will be charged for on the basis of computer usage time as described in paragraph V.A. above, except that the costs of keypunching will be included.

VI. Effective Date

Appendix III will become effective July 1, 1972, and shall continue in effect unless amended or cancelled by agreement of all parties.

Carl H. Williams, President
Hawaiian Electric Company, Inc.

MAUI ELECTRIC COMPANY, LTD.

by _____
Executive Vice President

HILO ELECTRIC LIGHT COMPANY, LTD.

by _____
President

HAWAIIAN ELECTRIC COMPANY, INC.

MEMORANDUM

March 29, 1971

TO: Mr. Colin C. Murdoch
Mr. William MacKenzie

SUBJ: Addition to: Agreement between Hawaiian Electric Company, Inc. and Wholly-owned Subsidiaries

The following addition is proposed for insertion as page 2A, Appendix II, Subsidiary Engineering Departments' Relations with HECO, under II. Division of Work between Subsidiaries and HECO, D. Planning.

Add page 2A:

"Hawaiian Electric Company Engineering Planning will provide the subsidiaries with system protection design for generators, transmission lines, and tie lines including relay specifications and settings for both new and existing installations. Subsidiaries will provide system protection and design for the radial distribution system, 15 kv and below, in accordance with applicable standard relay settings provided by Hawaiian Electric Engineering Planning.

"Relay setting transmittals will be handled in accordance with the procedure agreed upon between Hawaiian Electric Company and the subsidiary companies. Installation setting and adjusting will be done by subsidiaries."

Please indicate your approval by initially below.

Hawaiian Electric Company, Inc.

Maui Electric Company, Ltd.

Hilo Electric Light Co., Ltd.

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.

AND

HAWAIIAN ELECTRIC INDUSTRIES, INC.

THIS AGREEMENT ("Agreement") is made this 10th day of August, 1994, but is effective as of January 1, 1994, by and between HAWAIIAN ELECTRIC COMPANY, INC., (hereinafter referred to as "HECO"), a Hawaii corporation and HAWAIIAN ELECTRIC INDUSTRIES, INC., (hereinafter referred to as "HEI"), a Hawaii corporation.

WHEREAS, this agreement shall define the procedures currently in effect, as well as some additional procedures,

WHEREAS, the Managements of both HECO and HEI have determined in the exercise of their sound business judgment that in order to achieve their common goals, HEI will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, HEI desires to reimburse HECO for the cost of providing these Services,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to HEI those Services listed in Exhibit A. Additional activity codes may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 HEI reserves the right to terminate certain administrative support services provided by HECO. Cancellation of certain services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of HEI and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of HEI.

## ARTICLE II. TERM/CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1994 and shall automatically renew each year until cancelled. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 HEI will pay HECO for the Services listed in Exhibit A as provided in this Agreement. In addition, HEI will pay HECO for any charges from third parties paid by HECO on behalf of HEI for the Services listed in Exhibit A.

3.2 On or before the last day of each month, HECO shall bill HEI for the Services performed in the prior month (the billing period) and for any third party charges paid by HECO on behalf of HEI. The invoice shall itemize costs by activity.

The cost of the activities will include loadings which will be added onto applicable labor and nonlabor costs to ensure recovery of all costs incurred by HECO in performing the activities. These costs include payroll taxes, vacation overhead,

supervision, employee benefits, office supplies, etc. Loading rates will be developed annually in conjunction with the preparation of HECO's operating forecast for that year, and will be effective January 1 of each year for the full year.

3.3 a. HEI shall pay each invoice in full upon receipt. In the event HEI fails to pay all charges within 30 days of receipt of the invoice, HEI shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. HEI shall have the right to request further [illegible]

fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between HEI and HECO to the extent possible. The HEI and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the HEI and HECO representatives, disputes will be taken to the President of HECO and the HEI Financial Vice President. If resolution cannot be reached between the President of HECO and the HEI Financial Vice President, then the disputes will be taken to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of both HECO and HEI, HECO or HEI may seek the help of an outside arbitrator or consultant

acceptable to both parties for final resolution.

d. HEI and HECO will endeavor to resolve disputed charges within 90

revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's next bill to HEI.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of HEI and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the HEI Representative, who shall have the authority to make any decisions and give any direction on behalf of HEI that does not materially change the Services hereunder. Similarly, an employee of HEI shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

HEI Representative:
Controller
HAWAIIAN ELECTRIC INDUSTRIES, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7350

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

## ARTICLE V. ADMINISTRATION

The HECO Job Accounting Section will be responsible for administering the intercompany billing function.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section shall maintain and retain books and accounts of its charges. HEI shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of HEI. The HECO Job Accounting Section is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with HEI or its designee (as evidenced in writing signed by the HEI Representative) in connection with HEI's audit functions and with regard to audits or examinations by any regulators having jurisdiction over HEI. If the regulator requests or directs program or procedural changes concerning Services under the Agreement, HECO will work with HEI to make such changes as are agreed to be appropriate.

## ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

## ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

HAWAIIAN ELECTRIC INDUSTRIES, INC.

By _____
Its Financial Vice President

By _____
Its Controller

("HEI")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its President

By _____
Its Vice President

("HECO")

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18654 CHRGS BILL TO ASSOC CO-HEI

| | Activity Code | Description |
|---|---|---|
| Department: VP-GENERAL COUNSEL'S OFFICE | | |
| Responsibility Area: 5V VP-GENERAL COUNSEL'S OFFICE | | |
| | 82299 | GENL MGMT SVC FEE |
| Department: VP-HUMAN RESOURCES' OFFICE | | |
| Responsibility Area: 6V VP-HUMAN RESOURCES' OFFICE | | |
| | 82299 | GENL MGMT SVC FEE |
| | 90P28 | HRMS |
| Department: PRESIDENT'S OFFICE | | |
| Responsibility Area: 9P PRESIDENT'S OFFICE | | |
| | 82299 | GENL MGMT SVC FEE |
| Department: GENERAL ACCOUNTING | | |
| Responsibility Area: AA ADMINISTRATIVE | | |
| | 82299 | GENL MGMT SVC FEE |
| Responsibility Area: AC CORP ACCOUNTING | | |
| | 80036 | PENSION ACCOUNTING |
| | 81052 | ACCT SVCS-QTRLY RPT REQ |
| | 81053 | ACCT SVCS-ANNUAL RPT REQ |
| | 81056 | ACCT SVCS-SURVEYS/REQ FOR |
| | B6H07 | ACCT SVCS-GL MONTHLY FIS |
| Responsibility Area: AD COST ACCOUNTING | | |
| | 80086 | BANK RECONCILIATION |
| | 90A17 | JOB ACCTNG & MISC BILL SYS |
| | 90A19 | PAYROLL SYS |
| Responsibility Area: AT TAXES & DEPRECIATION | | |
| | 80071 | IRS AUDITS |
| | 80075 | TAX RESEARCH & PLANNING |
| | 80076 | MISC TAX/DEPR SVCS |
| | 80083 | PAYROLL TAX RETURNS |
| | 81035 | CASH TAXES PAID SCH |
| | 81037 | PREP INFORMATION RETURNS |
| | 81039 | EXCISE/USE TAX RETURNS |
| | 81041 | EST INC/PAYROLL TAX DEPOSITS |
| | 90T08 | DEPN CALC/FIXED ASSET MAINT |
| | 90T14 | PREP INC TAX RETURNS |
| | 90T17 | TAX ACCRUAL |
| Department: MANAGEMENT ACCOUNTING | | |

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18654 CHRGS BILL TO ASSOC CO-HEI

| | | | Activity Code | Description |
|---|---|---|---|---|
| Responsibility Area: | AM | ACCOUNTING CONTROL | | |
| | | | 90002 | RPT GEN/DATA PROCESSING |
| | | | 90A30 | SYS MAINT & CNTL |
| | | | 90A31 | SYS ENHANCEMENTS |
| | | | 90A32 | NEW SYS DEVELPMT |
| | | | 91A16 | TRNG-ACCTNG CNTL |
| Department: FACILITIES & PROJECT MGMT | | | | |
| Responsibility Area: | BF | FACILITIES MANAGEMENT | | |
| | | | 65010 | FAC PLAN & DESIGN |
| Department: CUSTOMER SERVICE | | | | |
| Responsibility Area: | CK | CORRESPONDENCE CENTER | | |
| | | | 80026 | PHONE OPERATIONS-A&G |
| Department: INFORMATION SERVICES | | | | |
| Responsibility Area: | LA | OFFICE SVCS ADMIN | | |
| | | | 91L04 | PHONES-RECURRING |
| Responsibility Area: | LM | MAILING | | |
| | | | 90L07 | PROV MAIL PROCESS SVCS |
| | | | 93G01 | ANNUAL RPT |
| Responsibility Area: | LP | PRINTING | | |
| | | | 90L19 | WORD PROCESS SVCS |
| | | | AA032 | PROV PRINTING SVCS |
| Department: BENEFITS | | | | |
| Responsibility Area: | FB | BENEFITS | | |
| | | | 82601 | HEIRS-401(K) |
| | | | 82602 | EXEC LIFE INSURANCE |
| | | | 82622 | DISCRIMINATION TESTS |
| | | | 82638 | BENEFITS STMT |
| | | | 82640 | FLEX ADMINISTRATION |
| | | | 82642 | CORP HEALTH ADMIN |
| | | | 82644 | CONSULTING |
| | | | 96F18 | BENEFITS/TRAINING |
| Department: COMPENSATION | | | | |
| Responsibility Area: | FC | COMPENSATION | | |
| | | | 80089 | COMPENSATION ADMINISTRATION |
| Department: HUMAN RESOURCE DEVELOPMENT | | | | |

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18654 CHRGS BILL TO ASSOC CO-HEI

| | Activity Code | Description |
|---|---|---|
| Responsibility Area: FD HUMAN RESOURCE DEVELOPMENT | | |
| | 96F18 | BENEFITS/TRAINING |
| Department: TRANSP & FACILITIES MAINT | | |
| Responsibility Area: HB BUILDING SERVICES | | |
| | 93262 | PACIFIC TOWER BLDG SVC |
| | 93264 | HONOLULU CLUB BLDG SVC |
| Responsibility Area: HG AUTOMOTIVE | | |
| | C4A40 | MISC VEH WORK |
| Department: FINANCIAL SERVICES | | |
| Responsibility Area: KI RISK MANAGEMENT | | |
| | 90T04 | RISKMANAGEMENT/FCST |
| | 92409 | PROPERTY |
| | 92501 | WORKERS COMP PROGRAM |
| | 92575 | LIABILITY |
| Responsibility Area: KT TREASURY | | |
| | 80034 | ADMIN-TREASURY |
| | 81060 | INTER-COMPANY FUNDING |
| | 81061 | BANKING RELATIONS |
| | 81062 | TREASURY MANAGEMENT SYSTEM |
| | 81063 | CASH MANAGEMENT REPORT |
| | 81064 | QUARTERLY REPORTS |
| | 81065 | EXTERNAL FUNDING |
| | 81069 | PROJECTS |
| Department: LEGAL | | |
| Responsibility Area: NC LEGAL | | |
| | 81028 | CORPORATE MATTERS |
| | 81029 | GENERAL/MISC |
| | 81083 | BENEFITS |
| | 81095 | SECURITIES |
| Department: GOVERNMENTAL RELATIONS | | |
| Responsibility Area: NI GOVERNMENTAL RELATIONS | | |
| | 90N21 | SALARIES-GOVT REL |
| Department: CORPORATE RELATIONS | | |
| Responsibility Area: QC CORPORATE COMMUNICATIONS | | |
| | 80016 | COMMUNICATIONS LABR |
| | 81008 | VIDEO PRODUCTIONS |
| | 82614 | HOA HANA |

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18654 CHRGS BILL TO ASSOC CO-HEI

| | | Activity Code | Description |
|---|---|---|---|
| Responsibility Area: | QC | CORPORATE COMMUNICATIONS | |
| | | 90L14 | PROV STATIONERY & SUPPL SVCS |

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.

AND

HEI INVESTMENT CORP.

THIS AGREEMENT ("Agreement") is made this 10th day of August, 1994, but is effective as of January 1, 1994, by and between HAWAIIAN ELECTRIC COMPANY, INC., (hereinafter referred to as "HECO"), a Hawaii corporation and HEI INVESTMENT CORP., (hereinafter referred to as "HEIIC"), a Hawaii corporation.

WHEREAS, this agreement shall define the procedures currently in effect, as well as some additional procedures,

WHEREAS, the Managements of both HECO and HEIIC have determined in the exercise of their sound business judgment that in order to achieve their common goals, HEIIC will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, HEIIC desires to reimburse HECO for the cost of providing these Services,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to HEIIC those Services listed in Exhibit A. Additional activity codes may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 HEIIC reserves the right to terminate certain administrative support

services provided by HECO. Cancellation of certain services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of HEIIC and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of HEIIC.

## ARTICLE II. TERM/CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1994 and shall automatically renew each year until cancelled. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 HEIIC will pay HECO for the Services listed in Exhibit A as provided in this Agreement. In addition, HEIIC will pay HECO for any charges from third parties paid by HECO on behalf of HEIIC for the Services listed in Exhibit A.

3.2 On or before the last day of each month, HECO shall bill HEIIC for the Services performed in the prior month (the billing period) and for any third party charges paid by HECO on behalf of HEIIC. The invoice shall itemize costs by activity.

The cost of the activities will include loadings which will be added onto applicable labor and nonlabor costs to ensure recovery of all costs incurred by HECO in performing the activities. These costs include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed

annually in conjunction with the preparation of HECO's operating forecast for that year, and will be effective January 1 of each year for the full year.

3.3 a. HEIIC shall pay each invoice in full upon receipt. In the event HEIIC fails to pay all charges within 30 days of receipt of the invoice, HEIIC shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. HEIIC shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between HEIIC and HECO to the extent possible. The HEIIC and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the HEIIC and HECO representatives, disputes will be taken to the President of HECO and the HEIIC President. If resolution cannot be reached between the President of HECO and the HEIIC President, then the disputes will be taken to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of both HECO and HEIIC, HECO or HEIIC may seek the help of an outside arbitrator or consultant acceptable to both parties for final resolution.

d. HEIIC and HECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included on HECO's next bill to HEIIC. Should there be any refund due to HEIIC for disputed charges totaling $1,000 or more, the amount refunded will include interest, computed using the rates applied by HECO for loans to HECO from its subsidiaries. If there is an additional amount owed to HECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. HECO will submit revised bills to HEIIC. Payments will be due upon receipt of

the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's next bill to HEIIC.

## ARTICLE IV REPRESENTATIVES

The individuals identified below are the Representatives of HEIIC and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the HEIIC Representative, who shall have the authority to make any decisions and give any direction on behalf of HEIIC that does not materially change the Services hereunder. Similarly, an employee of HEIIC shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

HEIIC Representative:
Vice President and Controller
HEI INVESTMENT CORP.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7350

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

## ARTICLE V ADMINISTRATION

The HECO Job Accounting Section will be responsible for administering the intercompany billing function.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section shall maintain and retain books and accounts of its charges. HEIIC shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of HEIIC. The HECO Job Accounting Section is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with HEIIC or its designee (as evidenced in writing signed by the HEIIC Representative) in connection with HEIIC's audit functions and with regard to audits or examinations by any regulators having jurisdiction over HEIIC. If the regulator requests or directs program or procedural changes concerning Services under the Agreement, HECO will work with HEIIC to make such changes as are agreed to be appropriate.

## ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

## ARTICLE IX MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

HEI INVESTMENT CORP.

By _____
Its President

By _____
Its Vice President and Controller

("HEIIC")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its President

By _____
Its Vice President

("HECO")

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18655 CHRGS BILL TO ASSOC CO-HEIIC

| | | | Activity Code | Description |
|---|---|---|---|---|
| Department: GENERAL ACCOUNTING | | | | |
| Responsibility Area: | AC | CORP ACCOUNTING | | |
| | | | 81052 | ACCT SVCS-QTRLY RPT REQ |
| | | | 81053 | ACCT SVCS-ANNUAL RPT REQ |
| | | | 81056 | ACCT SVCS-SURVEYS/REQ FOR |
| | | | B6H07 | ACCT SVCS-GL MONTHLY FIS |
| Responsibility Area: | AD | COST ACCOUNTING | | |
| | | | 80086 | BANK RECONCILIATION |
| | | | 90A18 | DISBURSEMENT SYS |
| Responsibility Area: | AT | TAXES & DEPRECIATION | | |
| | | | 80071 | IRS AUDITS |
| | | | 80075 | TAX RESEARCH & PLANNING |
| | | | 80076 | MISC TAX/DEPR SVCS |
| | | | 81035 | CASH TAXES PAID SCH |
| | | | 81036 | LEVERAGED LEASE ANALYSIS |
| | | | 81037 | PREP INFORMATION RETURNS |
| | | | 81038 | PROP OUT-OF-STATE RETURNS |
| | | | 81041 | EST INC/PAYROLL TAX DEPOSITS |
| | | | 90T14 | PREP INC TAX RETURNS |
| | | | 90T17 | TAX ACCRUAL |
| Department: MANAGEMENT ACCOUNTING | | | | |
| Responsibility Area: | AM | ACCOUNTING CONTROL | | |
| | | | 90A30 | SYS MAINT & CNTL |
| | | | 90A31 | SYS ENHANCEMENTS |
| | | | 90A32 | NEW SYS DEVELPMT |
| | | | 91A16 | TRNG-ACCTNG CNTL |
| Department: FINANCIAL SERVICES | | | | |
| Responsibility Area: | KI | RISK MANAGEMENT | | |
| | | | 92575 | LIABILITY |
| Responsibility Area: | KT | TREASURY | | |
| | | | 80034 | ADMIN-TREASURY |
| | | | 81060 | INTER-COMPANY FUNDING |
| | | | 81061 | BANKING RELATIONS |
| | | | 81065 | EXTERNAL FUNDING |

# ADMINISTRATIVE SERVICES AGREEMENT

HAWAIIAN ELECTRIC COMPANY, INC.

AND

MALAMA PACIFIC CORP.

THIS AGREEMENT ("Agreement") is made this 5th day of August 1994, but is effective as of January 1, 1994, by and between HAWAIIAN ELECTRIC COMPANY, INC., (hereinafter referred to as "HECO"), a Hawaii corporation and MALAMA PACIFIC CORP., (hereinafter referred to as "MPC"), a Hawaii corporation.

WHEREAS, this agreement shall define the procedures currently in effect, as well as some additional procedures,

WHEREAS, the Managements of both HECO and MPC have determined in the exercise of their sound business judgment that in order to achieve their common goals, MPC will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, MPC desires to reimburse HECO for the cost of providing these Services,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to MPC those Services listed in Exhibit A. Additional activity codes may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 MPC reserves the right to terminate certain

services provided by HECO. Cancellation of certain services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of MPC and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of MPC.

## ARTICLE II. TERM/CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1994 and shall automatically renew each year until cancelled. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 MPC will pay HECO for the Services listed in Exhibit A as provided in this Agreement. In addition, MPC will pay HECO for any charges from third parties paid by HECO on behalf of MPC for the Services listed in Exhibit A.

3.2 On or before the last day of each month, HECO shall bill MPC for the Services performed in the prior month (the billing period) and for any third party charges paid by HECO on behalf of MPC. The invoice shall itemize costs by activity.

The cost of the activities will include loadings which will be added onto applicable labor and nonlabor costs to ensure recovery of all costs incurred by HECO in performing the activities. These costs include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed

annually in conjunction with the preparation of HECO's operating forecast for that year, and will be effective January 1 of each year for the full year.

3.3 a. MPC shall pay each invoice in full upon receipt. In the event MPC fails to pay all charges within 30 days of receipt of the invoice, MPC shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. MPC shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between MPC and HECO to the extent possible. The MPC and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the MPC and HECO representatives, disputes will be taken to the President of HECO and the MPC President. If resolution cannot be reached between the President of HECO and the MPC President, then the disputes will be taken to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of both HECO and MPC, HECO or MPC may seek the help of an outside arbitrator or consultant acceptable to both parties for final resolution.

d. MPC and HECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included on HECO's next bill to MPC. Should there be any refund due to MPC for disputed charges totaling $1,000 or more, the amount refunded will include interest, computed using the rates applied by HECO for loans to HECO from its subsidiaries. If there is an additional amount owed to HECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. HECO will submit revised bills to MPC. Payments will be due upon receipt of the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to

HECO's next bill to MPC.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of MPC and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the MPC Representative, who shall have the authority to make any decisions and give any direction on behalf of MPC that does not materially change the Services hereunder. Similarly, an employee of MPC shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

MPC Representative:
Vice President and Controller
MALAMA PACIFIC CORP.
915 Fort Street, #702
Honolulu, Hawaii 96813
(808) 539-7172

HECO Representative:
Controller
HAWAIIAN ELECTRIC CO.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section shall maintain and retain books and accounts of its charges. MPC shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of MPC. The HECO Job Accounting Section is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with MPC or its designee (as evidenced in writing signed by the MPC Representative) in connection with MPC's audit functions and with regard to audits or examinations by any regulators having jurisdiction

## ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

MALAMA PACIFIC CORP.

By _____
Its President

By _____
Its Vice President

("MPC")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its President

By _____
Its Vice President

("HECO")

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18657 CHRGS BILL TO ASSOC CO-MPC

| | Activity Code | Description |
|---|---|---|
| Department: VP-HUMAN RESOURCES' OFFICE | | |
| Responsibility Area: 6V VP-HUMAN RESOURCES' OFFICE | | |
| | 90P28 | HRMS |
| Department: PRESIDENT'S OFFICE | | |
| Responsibility Area: 9P PRESIDENT'S OFFICE | | |
| | 82299 | GENL MGMT SVC FEE |
| Department: GENERAL ACCOUNTING | | |
| Responsibility Area: AC CORP ACCOUNTING | | |
| | 80036 | PENSION ACCOUNTING |
| Responsibility Area: AD COST ACCOUNTING | | |
| | 90A19 | PAYROLL SYS |
| Responsibility Area: AT TAXES & DEPRECIATION | | |
| | 80071 | IRS AUDITS |
| | 80075 | TAX RESEARCH & PLANNING |
| | 81035 | CASH TAXES PAID SCH |
| | 81037 | PREP INFORMATION RETURNS |
| | 90T08 | DEPN CALC/FIXED ASSET MAINT |
| | 90T14 | PREP INC TAX RETURNS |
| | 90T17 | TAX ACCRUAL |
| Department: BENEFITS | | |
| Responsibility Area: FB BENEFITS | | |
| | 82601 | HEIRS-401(K) |
| | 82622 | DISCRIMINATION TESTS |
| | 82638 | BENEFITS STMT |
| | 82640 | FLEX ADMINISTRATION |
| | 82642 | CORP HEALTH ADMIN |
| | 82644 | CONSULTING |
| | 96F18 | BENEFITS/TRAINING |
| Department: FINANCIAL SERVICES | | |
| Responsibility Area: KI RISK MANAGEMENT | | |
| | 90T04 | RISKMANAGEMENT/FCST |
| | 92409 | PROPERTY |
| | 92501 | WORKERS COMP PROGRAM |
| | 92575 | LIABILITY |
| Responsibility Area: KT TREASURY | | |
| | 80034 | ADMIN-TREASURY |
| | 81060 | INTER-COMPANY FUNDING |

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18657 CHRGS BILL TO ASSOC CO-MPC

| | | | Activity Code | Description |
|---|---|---|---|---|
| Responsibility Area: | KT | TREASURY | | |
| | | | 81061 | BANKING RELATIONS |
| | | | 81062 | TREASURY MANAGEMENT SYSTEM |
| Department: LEGAL | | | | |
| Responsibility Area: | NC | LEGAL | | |
| | | | 81028 | CORPORATE MATTERS |
| | | | 81029 | GENERAL/MISC |
| | | | 81086 | CONTRACTS (SERVICES) |
| | | | 81089 | LAND MATTERS |
| Department: GOVERNMENTAL RELATIONS | | | | |
| Responsibility Area: | NI | GOVERNMENTAL RELATIONS | | |
| | | | 90N21 | SALARIES-GOVT REL |

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.,

AND

PACIFIC ENERGY CONSERVATION SERVICES, INC.

THIS AGREEMENT ("Agreement") is made this 26 day of June 1997, but is effective as of January 1, 1997, by and among HAWAIIAN ELECTRIC COMPANY, INC., (hereinafter referred to as "HECO"), and PACIFIC ENERGY CONSERVATION SERVICES, INC. (hereinafter referred to as "PECS"), a Hawaii Corporation.

WHEREAS, the Managements of HECO and PECS have determined in the exercise of their sound business judgment that in order to achieve their common goals, PECS will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, HECO is willing to provide such services to PECS upon the terms and conditions herein,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to PECS those Services listed in Exhibit A. Additional activity codes may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 PECS reserves the right to terminate certain administrative support services provided by HECO. Cancellation of such services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of PECS and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of PECS.

## ARTICLE II. TERM/CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1997, and shall automatically renew each year until canceled. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 PECS will pay HECO for the Services listed in Exhibit A as provided in this Agreement. In addition, PECS will pay HECO for any charges from third parties paid by HECO on behalf of PECS for the Services listed in Exhibit A.

3.2 On or before the last day of each month, HECO shall bill PECS for the Services performed in the prior month (the billing period) and for any third party charges paid by HECO on behalf of PECS. The invoice shall itemize costs by activity.

The cost of the activities will include loadings which will be added onto applicable labor and non-labor costs to ensure recovery of all costs incurred by HECO in performing the activities. These loadings include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed in conjunction with the preparation of HECO's operating forecast each year (for the upcoming year), and will be effective January 1 of the upcoming year. The rates may be revised from time to time during the year, as appropriate, if actual results differ significantly from the forecasts upon which the initial rates were based.

3.3 a. PECS shall pay each invoice in full upon receipt. In the event PECS fails to pay all charges within 30 days of receipt of the invoice, PECS shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. PECS shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between PECS and HECO to the extent possible. The PECS and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the PECS and HECO representatives, disputes will be taken to the President of HECO and the Financial Vice President of PECS. If resolution cannot be reached between the President of HECO and the Financial Vice President of PECS, then the disputes will be taken up to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of HECO

and PECS, HECO or PECS may seek the help of an outside arbitrator or consultant acceptable to both parties for final resolution.

d. PECS and HECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included on HECO's next bill to PECS. Should there be any refund due to PECS for disputed charges totaling $1,000.00 or more, the amount refunded will include interest, computed using the rates applied by HECO for loans to HECO from its subsidiaries. If there is an additional amount owed to HECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. HECO will submit revised bills to PECS. Payments will be due upon receipt of the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's next bill to PECS.

Alternatively, billing corrections relating to earlier billing periods may be processed on bills submitted to PECS. Payments on invoices containing billing corrections will be due upon receipt of the invoice in accordance with the terms noted in Article 3.3a.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of PECS and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the PECS Representative, who shall have the authority to make any decisions and give any direction on behalf of PECS that does not materially change the

Services hereunder. Similarly, an employee of PECS shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

PECS Representative:
Assistant Treasurer
PACIFIC ENERGY CONSERVATION SERVICES, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7350

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

## ARTICLE V. ADMINISTRATION

The HECO Job Accounting Section will be responsible for administering the intercompany billing function.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section shall maintain and retain books and accounts of its charges. PECS shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of PECS. The HECO Job Accounting Section is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with PECS or its designees (as evidenced in writing signed by the PECS Representative) in connection with PECS's audit functions.

## ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

PACIFIC ENERGY CONSERVATION SERVICES, INC.

By _____
Its Financial Vice President and Treasurer

By _____
Its Vice President

("PECS")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its Vice President

By _____
Its Controller

("HECO")

Exhibit A

HECO SERVICES PROVIDED TO PECS

Department: GENERAL ACCOUNTING

| | Responsibility Area | Activity #/Description |
|---|---|---|
| AC | Corporate Accounting | 80036 Pension Accounting |
| AD | Cost Accounting | 19647 Chgs Bill Assoc Co-PECS |
| AT | Taxes & Property Acctg. | 80076 Misc. Tax/Depr. Svcs. |

Department: INFORMATION SERVICES

| | | |
|---|---|---|
| EZ | Corporate | 19647 Chgs Bill Assoc Co-PECS |
| EZ | Corporate | 82601 HEIRS 401(K) |
| EZ | Corporate | 82640 FLEX Administration |

Department: BENEFITS

| | | |
|---|---|---|
| FB | Benefits | 82601 HEIRS 401(K)<br>82638 Benefits Stmt.<br>82640 FLEX Administration |

Department: FINANCIAL SERVICES

| | | |
|---|---|---|
| KI | Risk Management | 92412 Liability Insurance Premiums<br>92575 Liability Insurance - Labor |

SERVICE AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.,

MAUI ELECTRIC COMPANY, LIMITED,

HAWAIIAN ELECTRIC INDUSTRIES, INC. ("HEI"),

HEI POWER CORP. ("HEIPC")

AND

HEI/HEIPC AFFILIATES

THIS AGREEMENT ("Agreement") is made this 17th day of April, 1995, but is effective as of November 1, 1994, among HAWAIIAN ELECTRIC COMPANY, INC. (hereinafter referred to as "HECO"), a Hawaii corporation, MAUI ELECTRIC COMPANY, LIMITED (hereinafter referred to as "MECO"), a Hawaii corporation, HAWAIIAN ELECTRIC INDUSTRIES, INC. (hereinafter referred to as "HEI"), a Hawaii corporation, HEI POWER CORP. (hereinafter referred to as "HEIPC"), a Hawaii corporation, and HEI and HEIPC on behalf of any future direct or indirect subsidiaries or other HEI/HEIPC affiliates engaged in international power projects or businesses related thereto (hereinafter referred to collectively as "HEI/HEIPC Affiliates"). HEI, HEIPC, and HEI/HEIPC Affiliates are herein after collectively referred to as the "HEI Companies".

WHEREAS, the management of HECO, MECO, and the HEI Companies have determined in the exercise of their sound business judgment that in order to achieve their common goals, the HEI Companies will purchase certain consulting, engineering, operation, and maintenance

services as related to the construction, operation, and maintenance of power plants and electrical systems from HECO and MECO ("Services"), and

WHEREAS, the HEI Companies desire to reimburse HECO and MECO for the cost of providing these Services,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO and MECO will render to the HEI Companies those Services listed in Exhibit A. Other items may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 The HEI Companies reserve the right to terminate certain services provided by HECO and MECO. Cancellation of services must be in writing and submitted to HECO and/or MECO at least 15 business days prior to the effective cancellation date.

1.3 HECO and MECO reserve the right to terminate, as appropriate, the rendering of certain services provided by HECO and MECO. Cancellation of services must be in writing and submitted to the HEI Companies at least 15 business days prior to the effective cancellation date.

1.4 Notwithstanding anything to the contrary, the parties understand and agree that the [illegible]

1.5 All Services and decisions related hereto shall be rendered in a manner acceptable to the Presidents of the HEI Companies.

## ARTICLE II. TERM/CANCELLATION

[redacted]

November 1, 1994 and shall automatically renew each year until canceled. Cancellation of this Agreement by any party to this Agreement must be in [redacted] writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 The HEI Companies will pay HECO and MECO for the Services listed in Exhibit A as provided in this Agreement. In addition, the HEI Companies will pay HECO and MECO for any charges from third parties paid by HECO and MECO on behalf of the HEI Companies for the Services listed in Exhibit A.

incurred by HECO and MECO in performing the activities. These costs include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed annually in conjunction with the preparation of HECO's and MECO's operating forecast, and will be effective January 1 of each year for the full year.

3.3 a. The HEI Companies shall pay each invoice in full upon receipt including any amounts disputed by the HEI Companies. In the event the HEI Companies fail to pay all charges within 30 days of receipt of the invoice, the HEI Companies shall be assessed an interest charge of .83% per month (10% per annum) on all delinquent charges.

seek the help of an outside arbitrator or consultant acceptable to the parties for final resolution.

d. The HEI Companies and HECO, and the HEI Companies and MECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included in HECO's and/or MECO's next bill to the HEI Companies. Should there be any refund due to the HEI Companies for disputed charges totaling $5,000 or more, the amount refunded will include interest, computed using the rates applied by HECO and MECO for loans to its affiliated electric utility companies. If there is an additional amount owed to HECO and MECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. HECO and MECO will submit revised bills to the HEI Companies. Payments will be due upon receipt of the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's and MECO's next bill to the HEI Companies.

## ARTICLE IV. REPRESENTATIVES

4.1 The individuals identified below are the Representatives of HECO, MECO, and the HEI Companies. An employee of HECO and MECO performing services hereunder shall be entitled to rely on the advice and direction of the HEI and HEIPC Representatives, who shall have the authority to make any decisions and give any direction on behalf of the HEI

Companies that does not materially change the Services hereunder. Similarly, an employee of the HEI Companies shall be entitled to rely on the advice and direction of the HECO and MECO Representatives concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO, and MECO, respectively, that do not materially change the Services hereunder.

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
Tel: (808) 543-7552
Fax: (808) 543-7396

MECO Representative:
Manager, Accounting
MAUI ELECTRIC COMPANY, LIMITED
210 West Kamehameha Avenue
Kahului, HI 96732-2253
Tel: (808) 871-2305
Fax: (808) 871-2350

HEI Representative:
Controller
HAWAIIAN ELECTRIC INDUSTRIES, INC.
900 Richards Street
Honolulu, Hawaii 96813
Tel: (808) 543-7350
Fax: (808) 543-7966

HEIPC Representative:
President
HEI POWER CORP.
900 Richards Street
Honolulu, Hawaii 96813
Tel: (808) 543-7400
Fax: (808) 543-7404

## ARTICLE V. ADMINISTRATION

5.1 The HECO Job Accounting Section and the MECO Accounting Section will each be responsible for administering the intercompany billing function.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

6.1 All information pertaining to the labor rates of HECO and MECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO and MECO representatives.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS; AUDIT

7.1 HECO's Job Accounting Section and MECO's Accounting Section shall maintain and retain books and accounts of its charges. The HEI Companies shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO and MECO. Such verification would be at the expense of the HEI Companies.

7.2 HECO agrees to fully cooperate with the HEI Companies or its designee (as evidenced in writing signed by the HEI or HEIPC representatives) in connection with the HEI Companies' audit functions and with regard to audits or reviews by any regulators having jurisdiction over the HEI Companies. If the regulator requests or directs program or

procedural changes concerning Services under the Agreement, HECO and MECO will work with the HEI Companies to make the appropriate changes.

## ARTICLE VIII. PRIOR NEGOTIATIONS; AMENDMENTS

8.1 This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

## ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any immaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

HAWAIIAN ELECTRIC COMPANY, INC.

By Howard D. Willman

Its President

By Paul Oyer

Its Financial Vice-President

("HECO")

MAUI ELECTRIC COMPANY, LIMITED

By_____

Its President

By_____

Its Assistant Treasurer

("MECO")

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

HAWAIIAN ELECTRIC COMPANY, INC.

By_____

Its President

By_____

Its Financial Vice-President

("HECO")

MAUI ELECTRIC COMPANY, LIMITED

By_____

Its President

By_____

Its Assistant Treasurer

("MECO")

HAWAIIAN ELECTRIC INDUSTRIES, INC.

By _____

Its President

By _____

Its Financial Vice President

and Chief Financial Officer

("HEI")

HEI POWER CORP.

By _____

Its President

By _____

Its Treasurer

("HEIPC")

Exhibit A

**HECO and MECO SERVICES PROVIDED TO
HEI, HEIPC, AND HEI/HEIPC AFFILIATES
AS RELATED TO THE CONSTRUCTION, OPERATION, AND MAINTENANCE OF
POWER PLANTS AND ELECTRICAL SYSTEMS**

| DESCRIPTION OF SERVICES TO BE PROVIDED |
| --- |
| CONSULTING |
| ENGINEERING |
| OPERATION |
| MAINTENANCE |

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.

AND

HEI DIVERSIFIED, INC.

THIS AGREEMENT ("Agreement") is made this 15th day of August, 1994, but is effective as of January 1, 1994, by and between HAWAIIAN ELECTRIC COMPANY, INC., (hereinafter referred to as "HECO"), a Hawaii corporation and HEI DIVERSIFIED, INC., (hereinafter referred to as "HEIDI"), a Hawaii corporation.

WHEREAS, this agreement shall define the procedures currently in effect, as well as some additional procedures,

WHEREAS, the Managements of both HECO and HEIDI have determined in the exercise of their sound business judgment that in order to achieve their common goals, HEIDI will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, HEIDI desires to reimburse HECO for the cost of providing these Services,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, the parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to HEIDI those Services listed in Exhibit A. Additional activity codes may be added to those listed in Exhibit A in order to provide greater detail of the Services being performed and to incorporate additional services as needed.

1.2 HEIDI reserves the right to terminate certain administrative support

services provided by HECO. Cancellation of certain services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of HEIDI and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of HEIDI.

## ARTICLE II. TERM/CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1994 and shall automatically renew each year until cancelled. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 HEIDI will pay HECO for the Services listed in Exhibit A as provided in this Agreement. In addition, HEIDI will pay HECO for any charges from third parties paid by HECO on behalf of HEIDI for the Services listed in Exhibit A.

3.2 On or before the last day of each month, HECO shall bill HEIDI for the Services performed in the prior month (the billing period) and for any third party charges paid by HECO on behalf of HEIDI. The invoice shall itemize costs by activity.

The cost of the activities will include loadings which will be added onto applicable labor and nonlabor costs to ensure recovery of all costs incurred by HECO in performing the activities. These costs include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed

annually in conjunction with the preparation of HECO's operating forecast for that year, and will be effective January 1 of each year for the full year.

3.3 a. HEIDI shall pay each invoice in full upon receipt. In the event HEIDI fails to pay all charges within 30 days of receipt of the invoice, HEIDI shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. HEIDI shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between HEIDI and HECO to the extent possible. The HEIDI and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the HEIDI and HECO representatives, disputes will be taken to the President of HECO and the Financial Vice President of HEIDI. If resolution cannot be reached between the President of HECO and the Financial Vice President of HEIDI, then the disputes will be taken to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of both HECO and HEIDI, HECO or HEIDI may seek the help of an outside arbitrator or consultant acceptable to both parties for final resolution.

d. HEIDI and HECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included on HECO's next bill to HEIDI. Should there be any refund due to HEIDI for disputed charges totaling $1,000 or more, the amount refunded will include interest, computed using the rates applied by HECO for loans to HECO from its subsidiaries. If there is an additional amount owed to HECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's next bill to HEIDI.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of HEIDI and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the HEIDI Representative, who shall have the authority to make any decisions and give any direction on behalf of HEIDI that does not materially change the Services hereunder. Similarly, an employee of HEIDI shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

HEIDI Representative:
Treasurer
HEI DIVERSIFIED, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7384

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

## ARTICLE V. ADMINISTRATION

The HECO Job Accounting Section will be responsible for administering the intercompany billing function.

## ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

## ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section shall maintain and retain books and accounts of its charges. HEIDI shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of HEIDI. The HECO Job Accounting Section is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with HEIDI or its designee (as evidenced in writing signed by the HEIDI Representative) in connection with HEIDI's audit functions and with regard to audits or examinations by any regulators having jurisdiction over HEIDI. If the regulator requests or directs program or procedural changes concerning Services under the Agreement, HECO will work with HEIDI to make such changes as are agreed to be appropriate.

## ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

## ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

HEI DIVERSIFIED, INC.

By _____
Its Treasurer

By _____
Its Financial Vice President

("HEIDI")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its President

By _____
Its Vice President

("HECO")

**EXHIBIT A**

HECO SERVICES PROVIDED TO AFFILIATES

18646 CHRGS BILL TO ASSOC CO-HEIDI

| | | | Activity Code | Description |
|---|---|---|---|---|
| Department: GENERAL ACCOUNTING | | | | |
| Responsibility Area: | AC | CORP ACCOUNTING | | |
| | | | 81052 | ACCT SVCS-QTRLY RPT REQ |
| | | | 81053 | ACCT SVCS-ANNUAL RPT REQ |
| | | | 81056 | ACCT SVCS-SURVEYS/REQ FOR |
| | | | B6H07 | ACCT SVCS-GL. MONTHLY FIS |
| Responsibility Area: | AD | COST ACCOUNTING | | |
| | | | 80086 | BANK RECONCILIATION |
| | | | 90A18 | DISBURSEMENT SYS |
| Responsibility Area: | AT | TAXES & DEPRECIATION | | |
| | | | 80071 | IRS AUDITS |
| | | | 81035 | CASH TAXES PAID SCH |
| | | | 81041 | EST INC/PAYROLL TAX DEPOSITS |
| | | | 90T14 | PREP INC TAX RETURNS |
| | | | 90T17 | TAX ACCRUAL |

# ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.

AND

PROVISION TECHNOLOGIES, INC.

THIS AGREEMENT ("Agreement") is made this 25th day of August, 2000, but effective as of January 1, 2000, by and among HAWAIIAN ELECTRIC COMPANY, INC. (hereinafter referred to as "HECO"), and PROVISION TECHNOLOGIES, INC. (hereinafter referred to as "PROVISION"), a Hawaii corporation.

WHEREAS, the Managements of HECO and PROVISION have determined in the exercise of their sound business judgment that in order to achieve their respective goals PROVISION will purchase certain administrative support services from HECO listed in Exhibit A (all such services hereinafter referred to as "Services"), and

WHEREAS, HECO is willing to provide such services to PROVISION upon the terms and conditions herein,

NOW, THEREFORE, in consideration of the mutual covenants contained herein, parties agree as follows:

## ARTICLE I. SCOPE OF SERVICE

1.1 HECO will render to PROVISION various types of administrative services as requested by PROVISION, which may include one or more of the services listed in Exhibit A. From time to time, additional items may be added to those listed in Exhibit A in order to provide greater details of the Services being performed and to incorporate additional services as needed.

1.2 PROVISION reserves the right to terminate certain administrative support services provided by HECO. Cancellation of such services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of PROVISION and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of PROVISION.

ARTICLE II. TERM AND CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 2000, and shall automatically renew each year until canceled. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

Billable costs will include on-costs (loadings) which will be added onto applicable labor and non-labor costs to ensure recovery of all costs incurred by HECO in performing the services. These on-costs include payroll taxes, non-productive wages, employee benefits, administration, etc. On-cost rates will be developed in conjunction with the preparation of HECO's capital and operating budgets' each year (for the upcoming year), and will be effective January 1 of the upcoming year. The rates may be revised from time to time during the year, as appropriate, if actual results differ significantly from the forecasts upon which the initial rates were based.

3.3 a. PROVISION shall pay each invoice in full upon receipt. In the event PROVISION fails to pay all charges within 30 days of receipt of the invoice, PROVISION shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. PROVISION shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between PROVISION and HECO to the extent possible. The PROVISION and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the PROVISION and HECO representatives, disputes will be taken to the President of HECO and the President of PROVISION. If resolution cannot be reached between the President of HECO and the President of PROVISION, then

the disputes will be taken up to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of HECO and PROVISION, HECO or PROVISION may seek the help of an outside arbitrator or consultant acceptable to both parties for final resolution.

d. PROVISION and HECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included on HECO's next bill to PROVISION. Should there be any refund due to PROVISION for disputed charges totaling $1,000.00 or more, the amount refunded will include interest, computed using the rates applied by HECO for loans to HECO from its subsidiaries. If there is an additional amount owed to HECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. HECO will submit revised bills to PROVISION. Payments will be due upon receipt of the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's next bill to PROVISION.

Alternatively, billing corrections relating to earlier billing periods may be processed on current bills submitted to PROVISION. Payments on invoices containing billing corrections will be due upon receipt of the invoice in accordance with the terms noted in Article 3.3a.

ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of PROVISION and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the PROVISION Representative, who shall have the authority to make any decisions and give any direction on behalf of PROVISION that does not materially change the Services hereunder. Similarly, an employee of PROVISION shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions on behalf of HECO that do not materially change the Services hereunder.

| | |
|---|---|
| PROVISION Representative: | President<br>PROVISION TECHNOLOGIES, INC.<br>66 Railroad Avenue<br>Hilo, Hawaii 96720<br>Phone: (808) 969-3281 |
| HECO Representative: | Controller<br>HAWAIIAN ELECTRIC COMPANY, INC.<br>900 Richards Street<br>Honolulu, Hawaii 96813<br>Phone: (808) 543-7552 |

ARTICLE V. ADMINISTRATION

The HECO Property Accounting Division will be responsible for administering the intercompany billing function.

ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Property Accounting Division shall maintain and retain books and accounts of HECO's charges. PROVISION shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the expense of PROVISION. The HECO Property Accounting Division is located on the third floor of HECO's Office Building at 900 Richards Street, Honolulu, Hawaii 96813.

7.2 HECO agrees to fully cooperate with PROVISION or its designees (as evidenced in writing signed by the PROVISION Representative) in connection with PROVISION audit functions.

ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This Agreement may be amended only by written instrument signed by both parties.

ARTICLE IX. MISCELLANEOUS

9.1 All questions concerning the validity, operation and interpretation of this Agreement and the performance of the obligations imposed upon the parties hereunder or thereunder shall be governed by the laws of the State of Hawaii.

9.2 If any nonmaterial term or provision of this Agreement shall be found to be illegal or unenforceable then, notwithstanding, this Agreement shall remain in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the date first above written.

PROVISION TECHNOLOGIES, INC.

By: _____
Its VICE PRESIDENT

By: _____
Its Assistant Secretary

("PROVISION")

HAWAIIAN ELECTRIC COMPANY, INC.

By: _____
Its Controller

By: _____
Its VICE PRESIDENT

("HECO")

Exhibit A

**HECO SERVICES PROVIDED TO PROVISION**

| Responsibility Area | Description of Services |
|---|---|
| **Department: GENERAL ACCOUNTING** | |
| PAC Corporate Accounting | Financial Accounting Services, e.g. general ledger |
| [illegible] | Cost Accounting Services, e.g. payroll processing |
| [redacted] | |
| **Department: INFORMATION SERVICES** | |
| PEZ Corporate | Data Processing Services |
| PEZ Corporate | HEIRS 401K |
| PEZ Corporate | FLEX Administration |
| **Department: BENEFITS** | |
| PFB Benefits | HEIRS 401K<br>Benefits Statement<br>FLEX Administration |
| **Department: FINANCIAL SERVICES** | |
| PKL Risk Management | Liability Insurance - Premiums |

ADMINISTRATIVE SERVICES AGREEMENT

BETWEEN

HAWAIIAN ELECTRIC COMPANY, INC.,

AND

HEI DISTRICT COOLING, INC.

THIS AGREEMENT ("Agreement") is made this 17th day of August 1998, but is effective as of January 1, 1998, by and between HAWAIIAN ELECTRIC

COMPANY, INC., (hereinafter referred to as "HECO"), a Hawaii corporation, and HEI DISTRICT COOLING, INC., (hereinafter referred to as "HEIDC"), a Hawaii Corporation.

WHEREAS, the Managements of both HECO and HEIDC have determined in the exercise of their sound business judgment that it is appropriate for HEIDC to purchase certain administrative support services from HECO (all such services hereinafter referred to as "Services"), and

1.2 HEIDC reserves the right to terminate certain administrative support services provided by HECO. Cancellation of certain services must be in writing and submitted to HECO at least 60 days prior to the effective cancellation date.

1.3 Notwithstanding anything to the contrary, the parties understand and agree that the President of HEIDC and its Board of Directors have not, by virtue of this Agreement or any corporate practice, delegated their responsibility or discretion to accept or reject any Services covered by this Agreement.

1.4 All Services and decisions related thereto shall be rendered in a manner acceptable to the President of HEIDC.

## ARTICLE II. TERM/CANCELLATION

The initial annual term of this Agreement shall commence on January 1, 1998, and shall automatically renew on January 1 of each year until cancelled by either party. Cancellation of this Agreement must be in writing and submitted at least 60 days prior to the effective cancellation date.

## ARTICLE III. COMPENSATION AND MANNER AND TIME OF PAYMENT

3.1 For Services rendered, HEIDC will make payments to HECO as provided in this Agreement. In addition, HEIDC will pay HECO for any charges from third parties paid by HECO on behalf of HEIDC for the Services.

3.2 On or before the last day of each month, HECO shall bill HEIDC for Services performed and for any third party charges paid by HECO on behalf of HEIDC in the prior month (the billing period).

The cost of the Services provided will include loadings which will be added onto applicable labor and non-labor costs to ensure recovery of all costs incurred by HECO in performing the Services. These loadings include payroll taxes, vacation overhead, supervision, employee benefits, office supplies, etc. Loading rates will be developed annually in conjunction with the preparation of HECO's budget for that year, and will be effective January 1. Loading rates may be revised as appropriate during the year.

3.3 a. HEIDC shall pay each invoice in full upon receipt. In the event HEIDC fails to pay all charges within 30 days of receipt of the invoice, HEIDC shall be assessed an interest charge of 0.83% per month (10% per annum) on all delinquent charges.

b. HEIDC shall have the right to request further documentation of the fees and charges. In the event there is a dispute with respect to an invoice, the disputed charges will be resolved internally between HEIDC and HECO to the extent possible. The HEIDC and HECO representatives listed in Article 4 will initially attempt to resolve the disputed charges.

c. If the disputed charges cannot be resolved between the HEIDC and HECO representatives, disputes will be taken to the HEI Chief Executive Officer. If the disputed charges are still not resolved to the satisfaction of both HECO and HEIDC, HECO or HEIDC may seek the help of an outside arbitrator or consultant acceptable to both parties for final resolution.

d. HEIDC and HECO will endeavor to resolve disputed charges within 90 days from the date of the invoice.

e. After resolution of the disputed charges, all adjustments prescribed by the resolution will be included on HECO's next bill to HEIDC. Should there be any refund due to HEIDC totaling $1,000.00 or more, the amount refunded will include interest, computed using the rates applied by HECO for loans to HECO from its subsidiaries. If there is an additional amount owed to HECO, interest will be paid at the rate provided in Article 3.3a from the original due date.

3.4 Billing corrections may be made from time to time to correct any errors. HECO will submit revised bills to HEIDC. Payments will be due upon receipt of the revised bill in accordance with the terms noted in Article 3.3a. Refunds will be applied to HECO's next bill to HEIDC.

## ARTICLE IV. REPRESENTATIVES

The individuals identified below are the Representatives of HEIDC and HECO. An employee of HECO performing services hereunder shall be entitled to rely on the advice and direction of the HEIDC Representative, who shall have the authority to make any decisions and give any direction on behalf of HEIDC that do not materially change the Services hereunder. Similarly, an employee of HEIDC shall be entitled to rely on the advice and direction of the HECO Representative concerning matters hereunder, who shall have the authority to make any decisions and give any direction on behalf of HECO that do not materially change the Services hereunder.

HEIDC Representative:
President or his designee
HEI DISTRICT COOLING, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-4714

HECO Representative:
Controller
HAWAIIAN ELECTRIC COMPANY, INC.
900 Richards Street
Honolulu, Hawaii 96813
(808) 543-7552

ARTICLE V. ADMINISTRATION

The HECO Job Accounting Section (or successor organization) will be responsible for administering the intercompany billing function.

ARTICLE VI. CONFIDENTIALITY OF INFORMATION

All information pertaining to the labor rates of HECO employees shall be kept confidential and can be disclosed only with prior written release by the HECO Representative.

ARTICLE VII. HECO'S ACCOUNTING RECORDS: AUDIT

7.1 HECO's Job Accounting Section (or successor organization) shall maintain and retain books and accounts of HECO's charges to HEIDC. HEIDC shall at all reasonable times have access to these books and accounts to the extent required to verify all costs and charges incurred by HECO. Such verification would be at the

expense of HEIDC. The HECO Job Accounting Section is located on the third floor of

7.2 HECO agrees to fully cooperate with HEIDC or its designees (as evidenced in writing signed by the HEIDC Representative) in connection with HEIDC's audit functions and with regard to audits or examinations by any regulators having jurisdiction over HEIDC. If the regulator requests or directs program or procedural changes concerning Services under the Agreement, HECO will work with HEIDC to make such changes as are agreed to be appropriate.

ARTICLE VIII. PRIOR NEGOTIATIONS: AMENDMENTS

This Agreement supersedes all prior negotiations, representations, or agreements with respect to the matters set forth herein, either written or oral. This

in full force and effect so long as the purposes hereof or the expectations of the parties shall not be frustrated thereby, and such term or provision shall be deemed stricken.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement on the date first above written.

HEI DISTRICT COOLING, INC.

By _____
Its President

By _____
Its Treasurer

("HEIDC")

HAWAIIAN ELECTRIC COMPANY, INC.

By _____
Its Financial Vice President & Treasurer

By _____
Its Controller

("HECO")

Exhibit A

HECO SERVICES PROVIDED TO HEIDC

| | Responsibility Area | Activity #/Description |
|---|---|---|
| Department: | GENERAL ACCOUNTING | |
| AA | Administrative | 41737 Accounting-general |
| AC | Corporate Accounting | 41737 Accounting-general |
| AT | Taxes & Property Acctg. | 41737 Misc. Tax Services |
| Department: | ENERGY SERVICES | |
| SN | Marketing Services Division | 41737 Marketing services |
| SR | Customer Technology (Applications Division) | 41737 Project design |
| Department: | FINANCIAL SERVICES | |
| KB | Administrative | 41737 Financial services-general |
| Department: | LAND AND RIGHTS-OF-WAY | |
| NL | Land and Rights-of-Way | 41737 Permitting |
| Department: | LEGAL | |
| NC | Legal | 41737 Legal services-general |

CA-IR-9

Please provide a detailed statement of HECO and HEI actual employee levels on a quarterly basis for each year 2001 through 2004, indicating the numbers of full-time, part-time and temporary employees in each department and responsibility area ("RA") and/or other reportable work groups and the comparable numbers of authorized, but unfilled positions of each type within each department, RA or work group.

HECO Response:

Reports containing the requested information on HECO and HEI's actual employee levels at the

end of each quarter are available for the years 2001-2004. These reports reflect the organization

The forecast employee count at the end of each quarter for HECO is provided for the years 2001-2004 on pages 2 to 6. This information is available by department for the years 2002-2004 but only available by Vice President for the year 2001. For HEI, only an annual forecast employee count is available for the requested years and is shown on page 7.

HAWAIIAN ELECTRIC COMPANY, INC.
FORECAST EMPLOYEE COUNT
2001

| | MAR | JUNE | SEPT | DEC |
|---|---|---|---|---|
| VP-Corp Excellence | 89 | 89 | 89 | 90 |
| VP-Corp Relations | 22 | 22 | 22 | 22 |
| VP-Energy Delivery | 592 | 593 | 593 | 593 |
| Financial VP & Treasurer | 154 | 154 | 154 | 154 |
| VP-Cust Opn-Gen Coun | 191 | 191 | 195 | 195 |
| VP-Reg Aff&Gov Rel | 13 | 12 | 12 | 12 |
| VP-Power Supply | 393 | 398 | 401 | 401 |
| President | 9 | 9 | 9 | 9 |
| TOTAL | 1,463 | 1,468 | 1,475 | 1,476 |

HAWAIIAN ELECTRIC COMPANY, INC.
FORECAST EMPLOYEE COUNT
2002

| | Mar | June | Sept | Dec |
|---|---|---|---|---|
| COMPENSATION AND BENEFITS | 14 | 14 | 14 | 14 |
| INDUSTRIAL RELATIONS | 9 | 9 | 9 | 9 |
| SAFETY, SECURITY & FACILITIES | 42 | 42 | 42 | 42 |
| VP CORPORATE EXCELLENCE | 2 | 2 | 2 | 2 |
| WORKFORCE STAFFING & DEVELOP | 16 | 16 | 16 | 16 |
| CORPORATE COMMUNICATIONS | 9 | 9 | 9 | 9 |
| VP CORPORATE RELATIONS | 2 | 2 | 2 | 2 |
| CONSTRUCTION & MAINTENANCE | 209 | 209 | 209 | 209 |
| CUSTOMER INSTALLATION | 51 | 51 | 51 | 51 |
| ENGINEERING | 87 | 87 | 87 | 87 |
| PROJECT MANAGEMENT | 7 | 7 | 7 | 7 |
| SUPPORT SERVICES | 74 | 74 | 74 | 74 |
| SYSTEM OPERATION | 105 | 105 | 104 | 104 |
| VP ENERGY DELIVERY | 2 | 2 | 2 | 2 |
| FINANCIAL VICE PRESIDENT | 2 | 2 | 2 | 2 |
| GENERAL ACCOUNTING | 25 | 25 | 25 | 25 |
| INFO SECURITY & OFFICE SVCS | 19 | 19 | 19 | 19 |
| INFO TECHNOLOGY & SVCS | 74 | 74 | 74 | 74 |
| RISK MANAGEMENT | 9 | 9 | 9 | 9 |
| MANAGEMENT ACCTG & FIN SVCS | 22 | 22 | 22 | 22 |
| CUSTOMER SERVICE | 121 | 121 | 121 | 121 |
| ENERGY SERVICES | 43 | 43 | 43 | 43 |
| LEGAL | 15 | 15 | 15 | 15 |
| VP GENERAL COUNSEL | 2 | 2 | 2 | 2 |
| EDUCATION & CONSUMER AFFAIRS | 6 | 6 | 6 | 6 |
| GOVERNMENTAL RELATIONS | 3 | 2 | 2 | 2 |
| REGULATORY AFFAIRS | 6 | 6 | 6 | 6 |
| VP GOVT & COMMUNITY AFFAIRS | 4 | 4 | 4 | 4 |
| ENVIRONMENTAL | 23 | 23 | 23 | 23 |
| PLNG & ENGN | 35 | 35 | 35 | 35 |
| PRODUCTION | 326 | 328 | 326 | 326 |
| VP POWER SUPPLY | 2 | 2 | 2 | 2 |
| INTERNAL AUDIT | 4 | 4 | 4 | 4 |
| PRESIDENT'S OFFICE | 4 | 4 | 4 | 4 |
| SVP OPER | 2 | 2 | 2 | 2 |
| SVP PUB AFF | 2 | 2 | 2 | 2 |
| TOTAL | 1,378 | 1,379 | 1,376 | 1,376 |

HAWAIIAN ELECTRIC COMPANY, INC.
FORECAST EMPLOYEE COUNT
2003

| | MAR | JUNE | SEPT | DEC |
|---|---|---|---|---|
| CORPORATE EXCELLENCE | | | | |
| COMPENSATION AND BENEFITS | 14 | 14 | 14 | 14 |
| INDUSTRIAL RELATIONS | 9 | 9 | 9 | 9 |
| SAFETY, SECURITY & FACILITIES | 42 | 42 | 42 | 42 |
| VP CORPORATE EXCELLENCE | 2 | 2 | 2 | 2 |
| WORKFORCE STAFFING & DEVELOP | 16 | 16 | 16 | 16 |
| CORPORATE RELATIONS | | | | |
| CORPORATE COMMUNICATIONS | 10 | 10 | 10 | 10 |
| VP CORPORATE RELATIONS | 2 | 2 | 2 | 2 |
| ENERGY DELIVERY | | | | |
| CONSTRUCTION & MAINTENANCE | 240 | 240 | 240 | 240 |
| CUSTOMER INSTALLATION | 51 | 52 | 52 | 51 |
| ENGINEERING | 80 | 80 | 80 | 80 |
| PROJECT MANAGEMENT | 6 | 6 | 6 | 6 |
| SUPPORT SERVICES | 83 | 83 | 83 | 83 |
| SYSTEM OPERATION | 104 | 104 | 104 | 105 |
| VP ENERGY DELIVERY | 3 | 3 | 3 | 3 |
| ENERGY SOLUTIONS | | | | |
| CUSTOMER INSTALLATION | | | | |
| SVP-ENERGY SOLUTIONS | 3 | 3 | 3 | 3 |
| TECHNOLOGY | 2 | 2 | 2 | 2 |
| FINANCE | | | | |
| FINANCIAL VICE PRESIDENT | 2 | 2 | 2 | 2 |
| GENERAL ACCOUNTING | 25 | 25 | 25 | 25 |
| INFO SECURITY & OFFICE SVCS | 19 | 19 | 19 | 19 |
| INFO TECHNOLOGY & SVCS | 77 | 77 | 77 | 77 |
| RISK MANAGEMENT | 9 | 9 | 9 | 9 |
| MANAGEMENT ACCTG & FIN SVCS | 22 | 22 | 22 | 22 |
| GENERAL COUNSEL | | | | |
| CUSTOMER SERVICE | 122 | 122 | 123 | 123 |
| ENERGY SERVICES | 43 | 43 | 43 | 43 |
| LEGAL | 15 | 15 | 15 | 15 |
| VP GENERAL COUNSEL | 2 | 2 | 2 | 2 |
| GOVT & COMMUNITY AFFAIRS | | | | |
| EDUCATION & CONSUMER AFFAIRS | 7 | 7 | 7 | 7 |
| GOVERNMENTAL RELATIONS | 3 | 2 | 2 | 2 |
| REGULATORY AFFAIRS | 7 | 7 | 7 | 7 |
| VP GOVT & COMMUNITY AFFAIRS | 5 | 5 | 5 | 5 |
| POWER SUPPLY | | | | |
| ENVIRONMENTAL | 23 | 23 | 23 | 23 |
| PLANNING & ENGINEERING | 55 | 55 | 55 | 55 |
| PRODUCTION | 309 | 309 | 309 | 309 |
| VP POWER SUPPLY | 2 | 2 | 2 | 2 |
| PRESIDENT-HECO | | | | |
| INTERNAL AUDIT | 6 | 6 | 6 | 6 |
| PRESIDENT'S OFFICE | 4 | 4 | 4 | 4 |
| SR VP OPERATIONS | 2 | 2 | 2 | 2 |
| SR VP PUBLIC AFFAIRS | 2 | 2 | 2 | 2 |
| TOTAL | 1428 | 1428 | 1429 | 1429 |

HAWAIIAN ELECTRIC COMPANY, INC.
FORECAST EMPLOYEE COUNT
2004

| | MAR | JUNE | SEPT | DEC |
|---|---|---|---|---|
| CORPORATE EXCELLENCE | | | | |
| COMPENSATION AND BENEFITS | 13 | 13 | 14 | 14 |
| INDUSTRIAL RELATIONS | 9 | 9 | 9 | 9 |
| SAFETY, SECURITY & FACILITIES | 42 | 42 | 42 | 42 |
| VP CORPORATE EXCELLENCE | 2 | 2 | 2 | 2 |
| WORKFORCE STAFFING & DEVELOP | 15 | 15 | 16 | 16 |
| CORPORATE RELATIONS | | | | |
| CORPORATE COMMUNICATIONS | 11 | 11 | 11 | 11 |
| VP CORPORATE RELATIONS | 2 | 2 | 2 | 2 |
| ENERGY DELIVERY | | | | |
| CONSTRUCTION & MAINTENANCE | 201 | 204 | 210 | 210 |
| ENGINEERING | 78 | 78 | 78 | 78 |
| PROJECT MANAGEMENT | 6 | 6 | 7 | 7 |
| SUPPORT SERVICES | 79 | 78 | 79 | 80 |
| SYSTEM OPERATION | 96 | 102 | 106 | 106 |
| VP ENERGY DELIVERY | 3 | 3 | 3 | 3 |
| ENERGY SOLUTIONS | | | | |
| CUSTOMER INSTALLATION | 45 | 46 | 47 | 46 |
| ENERGY PROJECTS | 5 | 5 | 5 | 5 |
| ENERGY SERVICES | 42 | 42 | 42 | 42 |
| INTEGRATED RESOURCE PLANNING | 3 | 3 | 3 | 3 |
| SVP-ENERGY SOLUTIONS | 3 | 3 | 3 | 3 |
| TECHNOLOGY | 2 | 2 | 2 | 2 |
| FINANCE | | | | |
| FINANCIAL VICE PRESIDENT | 3 | 3 | 3 | 3 |
| GENERAL ACCOUNTING | 25 | 25 | 25 | 25 |

HAWAIIAN ELECTRIC INDUSTRIES, INC.
FORECAST EMPLOYEE COUNT

| | | YEAR | | | |
|---|---|---|---|---|---|
| Department Name | RA | 2001 | 2002 | 2003 | 2004 |
| President's Office | 9Z | 2 | 2 | 2 | 2 |
| Internal Audit | ZA | 5 | 5 | 4 | 4 |
| VP Administration | Z3 | 2 | 2 | 2 | 2 |
| Corporate Secretary | 3S | 1 | 1 | 1 | 1 |
| VP Finance | Z4 | 2 | 2 | 2 | 2 |
| Controller's Dept | 4C | 5 | 5 | 9 | 9 |
| Strategic Planning | 1S | 1 | 1 | 0 | 0 |
| Taxes | 4P | 2 | 2 | 7 | 7 |
| Treasury * | 4T | 7 | 7 | 2 | 2 |
| Corporate Finance & Investments | 4F | 2 | 2 | 0 | 0 |
| Investor Relations | TI | 2 | 2 | 2 | 2 |
| Stock Transfer | TT | 5 | 5 | 5 | 5 |
| VP Info Systems | Z6 | 3 | 3 | 6 | 6 |
| Information Technology Department | 6D | 8 | 5 | 0 | 0 |
| VP Government Relations | Z7 | 2 | 2 | 2 | 2 |
| Community Relations | 9C | 2 | 2 | 2 | 2 |
| TOTAL | | 51 | 48 | 46 | 46 |

* Renamed Benefit Plan Asset Mgt in 2004

## Function as of 03/31/2001

| PE | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|
| | 0 | 0 | 5 |
| | 0 | 0 | 2 |
| | 0 | 0 | 7 |
| | 0 | 0 | 1 |
| | 0 | 0 | 2 |
| | 0 | 0 | 3 |
| | 0 | 0 | 5 |
| | 0 | 0 | 7 |
| | 0 | 0 | 2 |
| | 0 | 0 | 2 |
| | 0 | 0 | 2 |
| | 0 | 0 | 5 |
| | 0 | 0 | 9 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2001 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | VP - FINANCE | | | | | | |
| | EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |
| | Total for VP - FINANCE | | 0 | 25 | 0 | 0 | 25 |
| VP - GOVERNMENT RELATIONS | | | | | | | |
| | COMMUNITY RELATIONS | | | | | | |
| | E9C | COMMUNITY RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | VP GOVERNMENT RELATIONS | | | | | | |
| | EZ7 | VP GOVERNMENT RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | Total for VP - GOVERNMENT RELATIONS | | 0 | 4 | 0 | 0 | 4 |
| VP & CORP INFORMATION OFCR | | | | | | | |
| | HEI INFORMATION TECHNOLOGY | | | | | | |
| | E6D | HEI INFORMATION TECHNOLOGY | 0 | 5 | 0 | 0 | 5 |
| | VP & CORP INFORMATION SVCS | | | | | | |
| | EZ6 | VP & CORP FINANCE OFFCR | 0 | 3 | 0 | 0 | 3 |
| | Total for VP & CORP INFORMATION OFCR | | 0 | 8 | 0 | 0 | 8 |
| Total for HAWAIIAN ELECTRIC INDUSTRIES | | | 0 | 47 | 0 | 0 | 47 |

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f 03/31/2001

-ORARY TOTAL

6 47

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2001 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **PRESIDENT'S OFFICE** | | | | | | | |
| **AUDITOR** | | | | | | | |
| | EZA | AUDITOR | 0 | 5 | 0 | 0 | 5 |
| **PRESIDENT'S OFFICE** | | | | | | | |
| | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| **Total for PRESIDENT'S OFFICE** | | | **0** | **7** | **0** | **0** | **7** |
| **VP - ADMINISTRATION** | | | | | | | |
| **CORPORATE SECRETARY** | | | | | | | |
| | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| **VP - ADMINISTRATION** | | | | | | | |
| | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 1 | 3 |
| **Total for VP - ADMINISTRATION** | | | **0** | **3** | **0** | **1** | **4** |
| **VP - FINANCE** | | | | | | | |
| **CONTROLLER'S OFFICE** | | | | | | | |
| | E4C | CONTROLLER'S OFFICE | 0 | 5 | 0 | 0 | 5 |
| **CORPORATE TAXES** | | | | | | | |
| | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| **STRATEGIC PLANNING** | | | | | | | |
| | E1S | STRATEGIC PLANNING | 0 | 2 | 0 | 0 | 2 |
| **TREASURER'S OFFICE** | | | | | | | |
| | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for TREASURER'S OFFICE** | **0** | **9** | **0** | **0** | **9** |

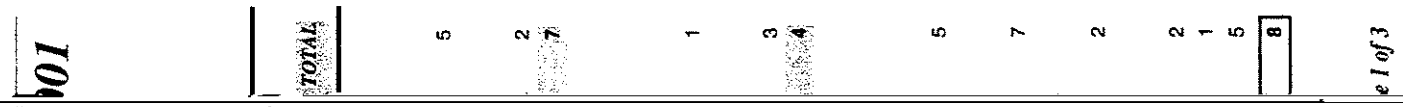
# nt by Department/Division within VP Function as of 06/30/2001

30/2001

HAWAIIAN ELECTRIC INDUSTRIES

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 47 | 0 | 1 | 48 |


TOTAL

# ision within VP Function as of 09/30/2001

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | |
|---|---|---|---|---|
| LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 24 | 0 | 0 | 24 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 5 | 0 | 0 | 5 |
| 0 | 3 | 0 | 0 | 3 |
| 0 | 8 | 0 | 0 | 8 |
| 0 | 46 | 0 | 1 | 47 |

# YP Function as of 09/30/2001

| YEE TYPE | | |
|---|---|---|
| PART-TIME | TEMPORARY | TOTAL |
| 0 | 1 | 47 |

# epartment/Division within VP Function as of 12/31/2001

HAN ELECTRIC INDUSTRIES

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 5 | 0 | 0 | 5 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 7 | 0 | 0 | 7 |
| Y | 0 | 1 | 0 | 0 | 1 |
| | 0 | 2 | 0 | 1 | 3 |
| | 0 | 3 | 0 | 1 | 4 |
| | 0 | 5 | 0 | 0 | 5 |
| | 0 | 7 | 0 | 0 | 7 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 5 | 0 | 0 | 5 |
| URER'S OFFICE | 0 | 9 | 0 | 0 | 9 |

12/31/2001

| RARY | TOTAL |
|---|---|
| 0 | 2 |
| 0 | 25 |
| 0 | 2 |
| 0 | 2 |
| 0 | 4 |
| 1 | 6 |
| 0 | 3 |
| 1 | 9 |
| 2 | 49 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2001

Report Parameters

AsOfDate: 12/31/2001
District: E
VP Function: *
HAWAIIAN ELECTRIC INDUSTRIES
Department: *
Division: *

## HAWAIIAN ELECTRIC INDUSTRIES:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 47 | 0 | 2 | 49 |

## within VP Function as of 03/31/2002

epartment: *
ivision: *

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 5 | 0 | 0 | 5 |
| 2 | 0 | 0 | 2 |
| 7 | 0 | 0 | 7 |
| 1 | 0 | 0 | 1 |
| 2 | 0 | 1 | 3 |
| 3 | 0 | 1 | 4 |
| 5 | 0 | 0 | 5 |
| 7 | 0 | 0 | 7 |
| 2 | 0 | 0 | 2 |
| 2 | 0 | 0 | 2 |
| 2 | 0 | 0 | 2 |
| 5 | 0 | 0 | 5 |
| 9 | 0 | 0 | 9 |

# )epartment/Division within VP Function as of 03/31/2002

'AHAN ELECTRIC INDUSTRIES

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 25 | 0 | 0 | 25 |
| S | 0 | 2 | 0 | 0 | 2 |
| ATIONS | 0 | 2 | 0 | 0 | 2 |
| | 0 | 4 | 0 | 0 | 4 |
| HNOLOGY | 0 | 5 | 0 | 1 | 6 |
| FFCR | 0 | 3 | 0 | 0 | 3 |
| | 0 | 8 | 0 | 1 | 9 |
| | 0 | 47 | 0 | 2 | 49 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2002 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 47 | 0 | 2 | 49 |

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# Employee Count by Department/Division within VP Function as of 06/30/2002

AsOfDate: 06/30/2002
District: E HAWAIIAN ELECTRIC INDUSTRIES Department: *
VP Function: * Division: *

## LECTRIC INDUSTRIES:

| CPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **S OFFICE** | | | | | | | |
| **UDITOR** | | | | | | | |
| | EZA | AUDITOR | 0 | 5 | 0 | 0 | 5 |
| **RESIDENT'S OFFICE** | | | | | | | |
| | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| **Total for PRESIDENT'S OFFICE** | | | **0** | **7** | **0** | **0** | **7** |
| **TRATION** | | | | | | | |
| **ORPORATE SECRETARY** | | | | | | | |
| | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| **P - ADMINISTRATION** | | | | | | | |
| | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 1 | 3 |
| **Total for VP - ADMINISTRATION** | | | **0** | **3** | **0** | **1** | **4** |
| **E** | | | | | | | |
| **ONTROLLER'S OFFICE** | | | | | | | |
| | E4C | CONTROLLER'S OFFICE | 0 | 6 | 0 | 0 | 6 |
| **ORPORATE TAXES** | | | | | | | |
| | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| **TRATEGIC PLANNING** | | | | | | | |
| | E1S | STRATEGIC PLANNING | 0 | 2 | 0 | 0 | 2 |
| **REASURER'S OFFICE** | | | | | | | |
| | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for TREASURER'S OFFICE** | **0** | **9** | **0** | **0** | **9** |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2002 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **Enterprise Total:** | | | 0 | 47 | 0 | 2 | 49 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

AsOfDate: 09/30/2002
District: E HAWAIIAN ELECTRIC INDUSTRIES
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC INDUSTRIES:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **PRESIDENT'S OFFICE** | | | | | | | |
| | **AUDITOR** | | | | | | |
| | EZA | AUDITOR | 0 | 5 | 0 | 0 | 5 |
| | **PRESIDENT'S OFFICE** | | | | | | |
| | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | **0** | **7** | **0** | **0** | **7** |
| **VP - ADMINISTRATION** | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | |
| | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | |
| | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 1 | 3 |
| | **Total for VP - ADMINISTRATION** | | **0** | **3** | **0** | **1** | **4** |
| **VP - FINANCE** | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | |
| | E4C | CONTROLLER'S OFFICE | 0 | 6 | 0 | 0 | 6 |
| | **CORPORATE TAXES** | | | | | | |
| | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **STRATEGIC PLANNING** | | | | | | |
| | E1S | STRATEGIC PLANNING | 0 | 2 | 0 | 0 | 2 |
| | **TREASURER'S OFFICE** | | | | | | |
| | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for TREASURER'S OFFICE** | **0** | **9** | **0** | **0** | **9** |

# Employee Count by Department/Division within VP Function as of 09/30/2002

eters AsOfDate: 09/30/2002
District: E HAWAIIAN ELECTRIC INDUSTRIES Department: *
VP Function: * Division: *

V ELECTRIC INDUSTRIES:

| DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|
| **VP - FINANCE** | | | | | | |
| EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |
| **Total for VP - FINANCE** | | **0** | **26** | **0** | **0** | **26** |
| ***ERNMENT RELATIONS*** | | | | | | |
| **COMMUNITY RELATIONS** | | | | | | |
| E9C | COMMUNITY RELATIONS | 0 | 2 | 0 | 0 | 2 |
| **VP GOVERNMENT RELATIONS** | | | | | | |
| EZ7 | VP GOVERNMENT RELATIONS | 0 | 2 | 0 | 0 | 2 |
| **otal for VP - GOVERNMENT RELATIONS** | | **0** | **4** | **0** | **0** | **4** |
| ***RP INFORMATION OFCR*** | | | | | | |
| **HEI INFORMATION TECHNOLOGY** | | | | | | |
| E6D | HEI INFORMATION TECHNOLOGY | 0 | 5 | 0 | 1 | 6 |
| **VP & CORP INFORMATION SVCS** | | | | | | |
| EZ6 | VP & CORP FINANCE OFFCR | 0 | 3 | 0 | 0 | 3 |
| **otal for VP & CORP INFORMATION OFCR** | | **0** | **8** | **0** | **1** | **9** |
| **HAWAIIAN ELECTRIC INDUSTRIES** | | **0** | **48** | **0** | **2** | **50** |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2002 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 48 | 0 | 2 | 50 |

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# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2002 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **PRESIDENT'S OFFICE** | | | | | | | |
| | **AUDITOR** | | | | | | |
| | EZA | AUDITOR | 0 | 5 | 0 | 0 | 5 |
| | **PRESIDENT'S OFFICE** | | | | | | |
| | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | **0** | **7** | **0** | **0** | **7** |
| **VP - ADMINISTRATION** | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | |
| | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | |
| | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | **Total for VP - ADMINISTRATION** | | **0** | **3** | **0** | **0** | **3** |
| **VP - FINANCE** | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | |
| | E4C | CONTROLLER'S OFFICE | 0 | 6 | 0 | 0 | 6 |
| | **CORPORATE TAXES** | | | | | | |
| | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **STRATEGIC PLANNING** | | | | | | |
| | E1S | STRATEGIC PLANNING | 0 | 2 | 0 | 0 | 2 |
| | **TREASURER'S OFFICE** | | | | | | |
| | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for TREASURER'S OFFICE** | **0** | **9** | **0** | **0** | **9** |

# partment/Division within VP Function as of 12/31/2002

N ELECTRIC INDUSTRIES

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 1 | 0 | 0 | 1 |
| | 0 | 25 | 0 | 0 | 25 |
| | 0 | 2 | 0 | 0 | 2 |
| NS | 0 | 2 | 0 | 0 | 2 |
| | 0 | 4 | 0 | 0 | 4 |
| LOGY | 0 | 2 | 0 | 1 | 3 |
| | 0 | 3 | 0 | 0 | 3 |
| | 0 | 5 | 0 | 1 | 6 |
| | 0 | 44 | 0 | 1 | 45 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2002 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 44 | 0 | 1 | 45 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PRESIDENT'S OFFICE** | | | | | | | | |
| | **AUDITOR** | | | | | | | |
| | | EZA | AUDITOR | 0 | 4 | 0 | 0 | 4 |
| | **PRESIDENT'S OFFICE** | | | | | | | |
| | | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | | **0** | **6** | **0** | **0** | **6** |
| **VP - ADMINISTRATION** | | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | | |
| | | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | | |
| | | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | **Total for VP - ADMINISTRATION** | | | **0** | **3** | **0** | **0** | **3** |
| **VP - FINANCE** | | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | | |
| | | E4C | CONTROLLER'S OFFICE | 0 | 6 | 0 | 0 | 6 |
| | **CORPORATE TAXES** | | | | | | | |
| | | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **STRATEGIC PLANNING** | | | | | | | |
| | | E1S | STRATEGIC PLANNING | 0 | 2 | 0 | 0 | 2 |
| | **TREASURER'S OFFICE** | | | | | | | |
| | | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for TREASURER'S OFFICE** | **0** | **9** | **0** | **0** | **9** |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

Report Parameters

AsOfDate: 03/31/2003
District: E HAWAIIAN ELECTRIC INDUSTRIES Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| | VP - FINANCE | | | | | | |
| | | EZ4 VP FINANCE | 0 | 2 | 0 | 0 | 2 |
| | Total for VP - FINANCE | | 0 | 26 | 0 | 0 | 26 |
| VP - GOVERNMENT RELATIONS | | | | | | | |
| | COMMUNITY RELATIONS | | | | | | |
| | | E9C COMMUNITY RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | VP GOVERNMENT RELATIONS | | | | | | |
| | | EZ7 VP GOVERNMENT RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | Total for VP - GOVERNMENT RELATIONS | | 0 | 4 | 0 | 0 | 4 |
| VP & CORP INFORMATION OFCR | | | | | | | |
| | VP & CORP INFORMATION SVCS | | | | | | |
| | | EZ6 VP & CORP FINANCE OFFCR | 0 | 6 | 0 | 1 | 7 |
| | Total for VP & CORP INFORMATION OFCR | | 0 | 6 | 0 | 1 | 7 |
| Total for HAWAIIAN ELECTRIC INDUSTRIES | | | 0 | 46 | 0 | 1 | 46 |

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# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 46 | 0 | 1 | 46 |

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# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PRESIDENT'S OFFICE** | | | | | | | | |
| | **AUDITOR** | | | | | | | |
| | | EZA | AUDITOR | 0 | 4 | 0 | 0 | 4 |
| | **PRESIDENT'S OFFICE** | | | | | | | |
| | | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | | **0** | **6** | **0** | **0** | **6** |
| **VP - ADMINISTRATION** | | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | | |
| | | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | | |
| | | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | **Total for VP - ADMINISTRATION** | | | **0** | **3** | **0** | **0** | **3** |
| **VP - FINANCE** | | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | | |
| | | E4C | CONTROLLER'S OFFICE | 0 | 8 | 0 | 0 | 8 |
| | **CORPORATE TAXES** | | | | | | | |
| | | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **TREASURER'S OFFICE** | | | | | | | |
| | | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for TREASURER'S OFFICE** | **0** | **9** | **0** | **0** | **9** |
| | **VP - FINANCE** | | | | | | | |
| | | EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |

## in VP Function as of 06/30/2003

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| -TIME | PART-TIME | TEMPORARY | TOTAL |
| 26 | 0 | 0 | 26 |
| 2 | 0 | 0 | 2 |
| 2 | 0 | 0 | 2 |
| 4 | 0 | 0 | 4 |
| 6 | 0 | 1 | 7 |
| 6 | 0 | 1 | 7 |
| 45 | 0 | 1 | 46 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 45 | 0 | 1 | 46 |

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## within VP Function as of 09/30/2003

*Department:* *
*Division:* *

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 4 | 0 | 0 | 4 |
| 2 | 0 | 0 | 2 |
| 6 | 0 | 0 | 6 |
| 1 | 0 | 0 | 1 |
| 2 | 0 | 0 | 2 |
| 3 | 0 | 0 | 3 |
| 8 | 0 | 0 | 8 |
| 7 | 0 | 0 | 7 |
| 2 | 0 | 0 | 2 |
| 5 | 0 | 0 | 5 |
| 7 | 0 | 0 | 7 |
| 2 | 0 | 0 | 2 |
| 2 | 0 | 0 | 2 |

## in VP Function as of 09/30/2003

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| -TIME | PART-TIME | TEMPORARY | TOTAL |
| 4 | 0 | 0 | 4 |
| 26 | 0 | 0 | 26 |
| 2 | 0 | 0 | 2 |
| 2 | 0 | 0 | 2 |
| 4 | 0 | 0 | 4 |
| 6 | 0 | 0 | 6 |
| 6 | 0 | 0 | 6 |
| 45 | 0 | 0 | 45 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE: LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 46 | 0 | 0 | 46 |

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# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **PRESIDENT'S OFFICE** | | | | | | | |
| | **AUDITOR** | | | | | | |
| | EZA | AUDITOR | 0 | 4 | 0 | 0 | 4 |
| | **PRESIDENT'S OFFICE** | | | | | | |
| | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | **0** | **6** | **0** | **0** | **6** |
| **VP - ADMINISTRATION** | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | |
| | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | |
| | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | **Total for VP - ADMINISTRATION** | | **0** | **3** | **0** | **0** | **3** |
| **VP - FINANCE** | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | |
| | E4C | CONTROLLER'S OFFICE | 0 | 7 | 0 | 0 | 7 |
| | **CORPORATE TAXES** | | | | | | |
| | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **TREASURER'S OFFICE** | | | | | | |
| | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for TREASURER'S OFFICE** | **0** | **7** | **0** | **0** | **7** |
| | **VP - FINANCE** | | | | | | |
| | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **Enterprise Total:** | | | 0 | 44 | 0 | 0 | 44 |

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# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2004

Report Parameters
AsOfDate: 03/31/2004
District: E HAWAIIAN ELECTRIC INDUSTRIES Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PRESIDENT'S OFFICE** | | | | | | | | |
| | **AUDITOR** | | | | | | | |
| | | EZA | AUDITOR | 0 | 4 | 0 | 0 | 4 |
| | **PRESIDENT'S OFFICE** | | | | | | | |
| | | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | | **0** | **6** | **0** | **0** | **6** |
| **VP - ADMINISTRATION** | | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | | |
| | | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | | |
| | | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | **Total for VP - ADMINISTRATION** | | | **0** | **3** | **0** | **0** | **3** |
| **VP - FINANCE** | | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | | |
| | | E4C | CONTROLLER'S OFFICE | 0 | 7 | 0 | 0 | 7 |
| | **CORPORATE TAXES** | | | | | | | |
| | | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **TREASURER'S OFFICE** | | | | | | | |
| | | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for TREASURER'S OFFICE** | **0** | **7** | **0** | **0** | **7** |
| | **VP - FINANCE** | | | | | | | |
| | | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | | EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |

# ision within VP Function as of 03/31/2004

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | |
|---|---|---|---|---|
| LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 25 | 0 | 0 | 25 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 6 | 0 | 0 | 6 |
| 0 | 6 | 0 | 0 | 6 |
| 0 | 44 | 0 | 0 | 44 |

## nent/Division within VP Function as of 03/31/2004

RIC INDUSTRIES

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 44 | 0 | 0 | 44 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

AsOfDate: 06/30/2004
District: E HAWAIIAN ELECTRIC INDUSTRIES Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC INDUSTRIES:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **PRESIDENT'S OFFICE** | | | | | | | | |
| | **AUDITOR** | | | | | | | |
| | | EZA | AUDITOR | 0 | 4 | 0 | 0 | 4 |
| | **PRESIDENT'S OFFICE** | | | | | | | |
| | | E9Z | PRESIDENT'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | **Total for PRESIDENT'S OFFICE** | | | **0** | **6** | **0** | **0** | **6** |
| **VP - ADMINISTRATION** | | | | | | | | |
| | **CORPORATE SECRETARY** | | | | | | | |
| | | E3S | CORPORATE SECRETARY | 0 | 1 | 0 | 0 | 1 |
| | **VP - ADMINISTRATION** | | | | | | | |
| | | EZ3 | VP ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | **Total for VP - ADMINISTRATION** | | | **0** | **3** | **0** | **0** | **3** |
| **VP - FINANCE** | | | | | | | | |
| | **CONTROLLER'S OFFICE** | | | | | | | |
| | | E4C | CONTROLLER'S OFFICE | 0 | 6 | 0 | 0 | 6 |
| | **CORPORATE TAXES** | | | | | | | |
| | | E4P | CORPORATE TAXES | 0 | 7 | 0 | 0 | 7 |
| | **TREASURER'S OFFICE** | | | | | | | |
| | | ETI | INVESTOR RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | | ETT | STOCK TRANSFER | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for TREASURER'S OFFICE** | **0** | **7** | **0** | **0** | **7** |
| | **VP - FINANCE** | | | | | | | |
| | | E4T | TREASURER'S OFFICE | 0 | 2 | 0 | 0 | 2 |
| | | EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |

## Function as of 06/30/2004

| PE | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|
| | 0 | 0 | 4 |
| | 0 | 0 | 24 |
| | 0 | 0 | 2 |
| | 0 | 0 | 2 |
| | 0 | 0 | 4 |
| | 0 | 0 | 6 |
| | 0 | 0 | 6 |
| | 0 | 0 | 43 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 43 | 0 | 0 | 43 |

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*of 09/30/2004*

| MPORARY | TOTAL |
|---|---|
| 0 | 4 |
| 0 | 2 |
| 0 | 6 |
| 0 | 1 |
| 0 | 2 |
| 0 | 3 |
| 0 | 7 |
| 0 | 7 |
| 0 | 1 |
| 0 | 1 |
| 0 | 2 |
| 0 | 5 |
| 0 | 9 |
| 0 | 1 |

## ction as of 09/30/2004

| ME | TEMPORARY | TOTAL |
|---|---|---|
| 0 | 0 | 2 |
| 0 | 0 | 3 |
| 0 | 0 | 26 |
| 0 | 0 | 2 |
| 0 | 0 | 2 |
| 0 | 0 | 4 |
| 0 | 0 | 6 |
| 0 | 0 | 6 |
| 0 | 0 | 45 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2004 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC INDUSTRIES:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 45 | 0 | 0 | 45 |

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*as of 12/31/2004*

| TEMPORARY | TOTAL |
|---|---|
| 0 | 4 |
| 0 | 2 |
| 0 | 6 |
| 0 | 1 |
| 0 | 2 |
| 0 | 3 |
| 0 | 7 |
| 0 | 7 |
| 0 | 1 |
| 0 | 1 |
| 0 | 2 |
| 0 | 5 |
| 0 | 9 |
| 0 | 1 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2004 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC INDUSTRIES:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | EZ4 | VP FINANCE | 0 | 2 | 0 | 0 | 2 |
| | | | **Subtotal for VP - FINANCE** | **0** | **3** | **0** | **0** | **3** |
| | | **Total for VP - FINANCE** | | **0** | **26** | **0** | **0** | **26** |
| ***VP - GOVERNMENT RELATIONS*** | | | | | | | | |
| | **COMMUNITY RELATIONS** | | | | | | | |
| | | E9C | COMMUNITY RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **VP GOVERNMENT RELATIONS** | | | | | | | |
| | | EZ7 | VP GOVERNMENT RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | | **Total for VP - GOVERNMENT RELATIONS** | | **0** | **4** | **0** | **0** | **4** |
| ***VP & CORP INFORMATION OFCR*** | | | | | | | | |
| | **VP & CORP INFORMATION SVCS** | | | | | | | |
| | | EZ6 | VP & CORP FINANCE OFFCR | 0 | 6 | 0 | 0 | 6 |
| | | **Total for VP & CORP INFORMATION OFCR** | | **0** | **6** | **0** | **0** | **6** |
| **Total for HAWAIIAN ELECTRIC INDUSTRIES** | | | | **0** | **45** | **0** | **0** | **45** |

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# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2004 | | | |
| District: | E | HAWAIIAN ELECTRIC INDUSTRIES | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC INDUSTRIES:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 45 | 0 | 0 | 45 |

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# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2001

**Report Parameters**

AsOfDate: 03/31/2001
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 3 | 0 | 0 | 3 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **14** | **0** | **0** | **14** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **8** | **0** | **0** | **8** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 12 | 0 | 0 | 12 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **43** | **0** | **0** | **43** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **15** | **0** | **0** | **15** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **82** | **0** | **0** | **82** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2001

**Report Parameters**

AsOfDate: 03/31/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | **CORPORATE COMMUNICATIONS** | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 9 | 1 | 0 | 10 |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | |
| | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **VP CORPORATE RELATIONS** | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | 0 | 17 | 1 | 0 | 18 |
| **ENERGY DELIVERY** | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | |
| | PDA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PDC | CONTROL SECTION | 0 | 8 | 0 | 0 | 8 |
| | PDD | TRAINING SECTION | 0 | 19 | 0 | 0 | 19 |
| | PDF | FIELD OPERATION | 0 | 19 | 0 | 0 | 19 |
| | PDH | CUSTOMER DEMAND | 0 | 4 | 0 | 0 | 4 |
| | PDJ | WEST OVERHEAD | 0 | 48 | 0 | 0 | 48 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 18 | 0 | 0 | 18 |
| | PDL | EAST OVERHEAD-WARD | 1 | 38 | 0 | 0 | 39 |
| | PDM | MAINTENANCE DEMAND | 0 | 4 | 0 | 0 | 4 |
| | PDP | PLANNING | 0 | 2 | 0 | 0 | 2 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDT | TRANSMISSION & TRAINING | 1 | 9 | 0 | 0 | 10 |
| | PDU | UNDERGROUND | 0 | 29 | 0 | 0 | 29 |
| | PDV | VEGETATION MANAGEMENT | 0 | 1 | 0 | 0 | 1 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | 2 | 212 | 0 | 0 | 214 |
| | **CUSTOMER INSTALLATION** | | | | | | |
| | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | PWM | JOINT POLE | 0 | 2 | 0 | 0 | 2 |

# ployee Count by Department/Division within VP Function as of 03/31/2001

*AsOfDate:* 03/31/2001
*District:* P HAWAIIAN ELECTRIC COMPANY *Department:* *
*VP Function:* * *Division:* *

## TRIC COMPANY:

| RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|
| PWP | PLANNING & DESIGN | 0 | 25 | 0 | 0 | 25 |
| PWX | ENGINEERING & METER | 0 | 15 | 0 | 0 | 15 |
| | **Subtotal for CUSTOMER INSTALLATION** | **0** | **52** | **0** | **0** | **52** |
| **NEERING** | | | | | | |
| PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| PBE | T&D ENGINEERING | 0 | 15 | 0 | 1 | 16 |
| PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |
| PBS | DISTRIBUTION PLANNING | 0 | 7 | 0 | 0 | 7 |
| PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| PBY | SUBST,PROTECTION&TELECOM | 0 | 16 | 0 | 1 | 17 |
| PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |
| | **Subtotal for ENGINEERING** | **0** | **79** | **0** | **2** | **81** |
| **JECT MANAGEMENT** | | | | | | |
| PBP | PROJECT MANAGEMENT | 0 | 7 | 0 | 0 | 7 |
| **PORT SERVICES** | | | | | | |
| PVA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| PVF | FLEET | 0 | 26 | 0 | 0 | 26 |
| PVL | ELECTRICAL & WELDING SERVICES | 0 | 15 | 0 | 0 | 15 |
| PVM | MATERIALS MANAGEMENT | 0 | 24 | 0 | 0 | 24 |
| PVP | PURCHASING | 0 | 10 | 0 | 0 | 10 |
| | **Subtotal for SUPPORT SERVICES** | **0** | **79** | **0** | **0** | **79** |
| **TEM OPERATION** | | | | | | |
| PRA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| PRC | COMMUNICATIONS | 0 | 6 | 0 | 0 | 6 |
| PRD | OPERATING DISPATCH | 0 | 22 | 0 | 0 | 22 |
| PRE | OPERATING ENGINEERING | 0 | 12 | 0 | 0 | 12 |
| PRI | INSTRUMENT & CONTROL | 0 | 7 | 0 | 0 | 7 |
| PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| PRS | SUBSTATION | 0 | 37 | 0 | 0 | 37 |

# by Department/Division within VP Function as of 03/31/2001

*HAWAIIAN ELECTRIC COMPANY*

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| N MANAGEMENT | 0 | 5 | 0 | 0 | 5 |
| or SYSTEM OPERATION | 0 | 104 | 0 | 0 | 104 |
| ICATIONS | 0 | 10 | 0 | 0 | 10 |
| ELIVERY | 0 | 2 | 0 | 0 | 2 |
| | 2 | 545 | 0 | 2 | 549 |
| | 0 | 3 | 0 | 0 | 3 |
| ALYSIS | 0 | 2 | 0 | 0 | 2 |
| E PRESIDENT | 0 | 2 | 0 | 0 | 2 |
| ON | 0 | 3 | 0 | 0 | 3 |
| ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| ITING | 0 | 9 | 0 | 1 | 10 |
| COUNTING | 0 | 5 | 0 | 0 | 5 |
| GENERAL ACCOUNTING | 0 | 22 | 0 | 1 | 23 |
| ON | 0 | 7 | 0 | 0 | 7 |
| ARE | 0 | 10 | 0 | 0 | 10 |
| T SERVICES | 0 | 33 | 1 | 0 | 34 |
| ICES | 0 | 7 | 0 | 0 | 7 |
| PERATIONS | 0 | 6 | 0 | 0 | 6 |

## *Function as of 03/31/2001*

| TYPE | | |
|---|---|---|
| PART-TIME | TEMPORARY | TOTAL |
| 0 | 0 | 7 |
| 0 | 0 | 7 |
| 0 | 0 | 3 |
| 1 | 0 | 81 |
| 0 | 0 | 4 |
| 0 | 0 | 7 |
| 0 | 0 | 9 |
| 0 | 0 | 4 |
| 0 | 0 | 2 |
| 0 | 0 | 3 |
| 0 | 0 | 29 |
| 1 | 1 | 140 |
| 0 | 0 | 3 |
| 0 | 0 | 7 |
| 0 | 0 | 3 |
| 0 | 0 | 25 |
| 0 | 0 | 30 |
| 0 | 12 | 32 |
| 0 | 0 | 19 |
| 0 | 0 | 2 |
| 0 | 12 | 121 |
| 0 | 0 | 2 |
| 0 | 0 | 6 |
| 0 | 0 | 5 |

# rtment/Division within VP Function as of 03/31/2001

LECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 6 | 0 | 0 | 6 |
| | 0 | 11 | 0 | 0 | 11 |
| | 0 | 3 | 0 | 0 | 3 |
| S | 0 | 8 | 0 | 0 | 8 |
| ERVICES | 0 | 41 | 0 | 0 | 41 |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 10 | 0 | 0 | 10 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 166 | 0 | 12 | 178 |
| IRS | 0 | 1 | 0 | 0 | 1 |
| | 0 | 2 | 0 | 1 | 3 |
| | 0 | 6 | 0 | 0 | 6 |
| S | 0 | 4 | 0 | 0 | 4 |
| | 0 | 13 | 0 | 1 | 14 |
| | 0 | 4 | 0 | 0 | 4 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2001

**Report Parameters**

AsOfDate: 03/31/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |
| | | | **Subtotal for ENVIRONMENTAL** | **0** | **22** | **0** | **0** | **22** |
| | **POWER SUPPLY ENGINEERING** | | | | | | | |
| | | PIE | TECHNICAL SERVICES | 0 | 5 | 0 | 0 | 5 |
| | | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PYB | GENERATION PLANNING | 0 | 6 | 0 | 0 | 6 |
| | | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | | PYF | POWER PLANT ELECT ENGRG | 0 | 5 | 0 | 0 | 5 |
| | | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | | PYM | POWR PLANT MECH ENGRG | 0 | 7 | 0 | 0 | 7 |
| | | PYP | INTEGRATED RESOURCE PLANNING | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **39** | **0** | **0** | **39** |
| | **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | | PIB | O&M ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | | PIK | KAHE STATION OPERATIONS | 0 | 57 | 0 | 0 | 57 |
| | | PIL | KAHE STATION MAINTENANCE | 0 | 27 | 0 | 0 | 27 |
| | | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIN | HONOLULU STATION MAINTENANCE | 0 | 9 | 0 | 0 | 9 |
| | | PIO | OPERATIONS ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PIP | PLANNING | 0 | 14 | 0 | 0 | 14 |
| | | PIT | TRAVELING MAINTENANCE | 0 | 65 | 0 | 0 | 65 |
| | | PIW | WAIAU STATION OPERATIONS | 0 | 53 | 0 | 0 | 53 |
| | | PIX | WAIAU STATION MAINTENANCE | 0 | 24 | 0 | 0 | 24 |
| | | | **Subtotal for POWER SUPPLY OPER & MAINT** | **0** | **276** | **0** | **0** | **276** |
| | **POWER SUPPLY SERVICES** | | | | | | | |

# ount by Department/Division within VP Function as of 03/31/2001

03/31/2001
P HAWAIIAN ELECTRIC COMPANY Department: *
* Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| ICES ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| ER PURCHASE | 0 | 6 | 0 | 0 | 6 |
| NICAL SERVICES | 0 | 3 | 0 | 0 | 3 |
| RESOURCES | 0 | 3 | 0 | 0 | 3 |
| RIAL/STORES | 0 | 8 | 0 | 0 | 8 |
| l for POWER SUPPLY SERVICES | 0 | 24 | 0 | 0 | 24 |
| H SOLUTIONS | | | | | |
| ER SUPPLY TECHNICAL SOLUTIONS | 0 | 2 | 0 | 0 | 2 |
| OWER SUPPLY | 0 | 2 | 0 | 0 | 2 |
| UPPLY | 0 | 365 | 0 | 0 | 365 |
| RNAL AUDIT | 0 | 4 | 0 | 0 | 4 |
| SIDENT'S OFFICE | 0 | 4 | 0 | 0 | 4 |
| T - HECO | 0 | 8 | 0 | 0 | 8 |
| MPANY | 2 | 1334 | 2 | 16 | 1354 |

# Division within VP Function as of 03/31/2001

ANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| LEAVE | FULL-TIME | PART-TIME | TEMPORARY | [illegible] | TOTAL |
| 2 | 1334 | 12 | 16 | [illegible] | 1364 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

AsOfDate: 06/30/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 3 | 0 | 0 | 3 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **14** | **0** | **0** | **14** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 10 | 0 | 0 | 10 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| | PHF | FACILITIES PLANNING | 0 | 4 | 0 | 0 | 4 |
| | PHS | SECURITY | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **40** | **0** | **0** | **40** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **16** | **0** | **0** | **16** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **81** | **0** | **0** | **81** |

**CORPORATE RELATIONS**

# nent/Division within VP Function as of 06/30/2001

RIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 9 | 1 | 0 | 10 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 11 | 1 | 0 | 12 |
| | 0 | 6 | 0 | 0 | 6 |
| | 0 | 6 | 0 | 0 | 6 |
| | 0 | 27 | 0 | 4 | 31 |
| | 0 | 18 | 0 | 0 | 18 |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 48 | 0 | 0 | 48 |
| | 0 | 18 | 0 | 0 | 18 |
| | 0 | 38 | 0 | 0 | 38 |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 6 | 0 | 0 | 6 |
| | 1 | 9 | 0 | 0 | 10 |
| | 0 | 28 | 0 | 0 | 28 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 1 | 0 | 0 | 1 |
| NCE | 1 | 217 | 0 | 4 | 222 |
| | 0 | 10 | 0 | 0 | 10 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 25 | 0 | 0 | 25 |
| | 0 | 15 | 0 | 0 | 15 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

AsOfDate: 06/30/2001
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for CUSTOMER INSTALLATION** | **0** | **52** | **0** | **0** | **52** |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 15 | 0 | 1 | 16 |
| | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PBS | DISTRIBUTION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 16 | 0 | 1 | 17 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for ENGINEERING** | **0** | **79** | **0** | **2** | **81** |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 7 | 0 | 0 | 7 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PVF | FLEET | 0 | 25 | 0 | 0 | 25 |
| | PVL | ELECTRICAL & WELDING SERVICES | 0 | 16 | 0 | 0 | 16 |
| | PVM | MATERIALS MANAGEMENT | 0 | 23 | 0 | 0 | 23 |
| | PVP | PURCHASING | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for SUPPORT SERVICES** | **0** | **76** | **0** | **0** | **76** |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 22 | 0 | 0 | 22 |
| | PRE | OPERATING ENGINEERING | 0 | 12 | 0 | 0 | 12 |
| | PRI | INSTRUMENT & CONTROL | 0 | 7 | 0 | 0 | 7 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 36 | 0 | 0 | 36 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 5 | 0 | 0 | 5 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2001 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for SYSTEM OPERATION** | 0 | 105 | 0 | 0 | 105 |
| | **TELECOMMUNICATIONS** | | | | | | |
| | PNT | TELECOMMUNICATIONS | 0 | 9 | 0 | 0 | 9 |
| | **VP ENERGY DELIVERY** | | | | | | |
| | P2V | VP ENERGY DELIVERY | 0 | 2 | 0 | 0 | 2 |
| | **Total for ENERGY DELIVERY** | | 1 | 547 | 0 | 6 | 554 |
| ***FINANCE*** | | | | | | | |
| | **E-BUSINESS** | | | | | | |
| | PNE | E-BUSINESS | 0 | 3 | 0 | 0 | 3 |
| | **FINANCIAL ANALYSIS** | | | | | | |
| | PKF | FINANCIAL ANALYSIS | 0 | 2 | 0 | 0 | 2 |
| | **FINANCIAL VICE PRESIDENT** | | | | | | |
| | P4V | FINANCIAL VICE PRESIDENT | 0 | 2 | 0 | 0 | 2 |
| | **GENERAL ACCOUNTING** | | | | | | |
| | PAA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | PAD | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| | PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for GENERAL ACCOUNTING** | 0 | 24 | 0 | 0 | 24 |
| | **INFO TECHNOLOGY & SVCS** | | | | | | |
| | PEA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PEC | CUSTOMER CARE | 0 | 9 | 0 | 0 | 9 |
| | PED | DEVELOPMENT SERVICES | 0 | 38 | 0 | 0 | 38 |
| | PEM | MAILING SERVICES | 0 | 8 | 0 | 0 | 8 |
| | PEO | COMPUTER OPERATIONS | 0 | 6 | 0 | 0 | 6 |
| | PER | PUBLISHING & RECORDS SERVICES | 0 | 7 | 0 | 0 | 7 |

# y Department/Division within VP Function as of 06/30/2001

*HAWAIIAN ELECTRIC COMPANY*

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| ECOM TECH SUPP | 0 | 7 | 0 | 0 | 7 |
| IONING | 0 | 3 | 0 | 0 | 3 |
| **ECHNOLOGY & SVCS** | **0** | **85** | **0** | **0** | **85** |
| **CS** | | | | | |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 7 | 0 | 0 | 7 |
| NT | 0 | 9 | 0 | 0 | 9 |
| TION | 0 | 4 | 0 | 0 | 4 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 3 | 0 | 0 | 3 |
| **T ACCTG & FIN SVCS** | **0** | **29** | **0** | **0** | **29** |
| | **0** | **145** | **0** | **0** | **145** |
| | 0 | 2 | 0 | 0 | 2 |
| NG & BILLING | 0 | 7 | 0 | 0 | 7 |
| | 0 | 3 | 0 | 0 | 3 |
| COLLECTIONS | 0 | 27 | 0 | 0 | 27 |
| STANCE CENTER | 0 | 29 | 0 | 0 | 29 |
| | 0 | 19 | 0 | 13 | 32 |
| & SUPPORT CTR | 0 | 18 | 0 | 0 | 18 |
| OUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| **CUSTOMER SERVICE** | **0** | **107** | **0** | **13** | **120** |
| | 0 | 2 | 0 | 0 | 2 |
| CIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | 0 | 5 | 0 | 0 | 5 |
| ESEARCH | 0 | 6 | 0 | 0 | 6 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2001 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PSN | MARKETING SERVICES | 0 | 11 | 0 | 0 | 11 |
| | | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | PSR | CUSTOMER TECH APPLICATIONS | 0 | 11 | 0 | 0 | 11 |
| | | | **Subtotal for ENERGY SERVICES** | 0 | 44 | 0 | 0 | 44 |
| | **LAND & RIGHTS OF WAY** | | | | | | | |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | **LEGAL** | | | | | | | |
| | | PNC | LEGAL | 0 | 11 | 0 | 0 | 11 |
| | **VP GENERAL COUNSEL** | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | **Total for GENERAL COUNSEL** | | | 0 | 168 | 0 | 13 | 181 |
| ***GOVT & COMMUNITY AFFAIRS*** | | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 8 | 0 | 0 | 8 |
| | **GOVERNMENTAL RELATIONS** | | | | | | | |
| | | PNI | GOVERNMENTAL RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **REGULATORY AFFAIRS** | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **VP GOVT & COMMUNITY AFFAIRS** | | | | | | | |
| | | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| | **Total for GOVT & COMMUNITY AFFAIRS** | | | 0 | 20 | 0 | 0 | 20 |
| ***POWER SUPPLY*** | | | | | | | | |
| | **ENVIRONMENTAL** | | | | | | | |
| | | PJA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

AsOfDate: 06/30/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | | PJW | WATER & HAZARDOUS MATERIAL | 0 | 7 | 0 | 0 | 7 |
| | | | **Subtotal for ENVIRONMENTAL** | **0** | **23** | **0** | **0** | **23** |
| | **POWER SUPPLY ENGINEERING** | | | | | | | |
| | | PIE | TECHNICAL SERVICES | 0 | 5 | 0 | 0 | 5 |
| | | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PYB | GENERATION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | | PYF | POWER PLANT ELECT ENGRG | 0 | 5 | 0 | 0 | 5 |
| | | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 1 | 5 |
| | | PYM | POWR PLANT MECH ENGRG | 0 | 8 | 0 | 0 | 8 |
| | | PYP | INTEGRATED RESOURCE PLANNING | 0 | 5 | 0 | 1 | 6 |
| | | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **42** | **0** | **2** | **44** |
| | **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | | PIB | O&M ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | | PIK | KAHE STATION OPERATIONS | 0 | 60 | 0 | 0 | 60 |
| | | PIL | KAHE STATION MAINTENANCE | 0 | 27 | 0 | 0 | 27 |
| | | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIN | HONOLULU STATION MAINTENANCE | 0 | 9 | 0 | 0 | 9 |
| | | PIO | OPERATIONS ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PIP | PLANNING | 0 | 15 | 0 | 0 | 15 |
| | | PIT | TRAVELING MAINTENANCE | 0 | 66 | 0 | 0 | 66 |
| | | PIW | WAIAU STATION OPERATIONS | 0 | 53 | 0 | 0 | 53 |
| | | PIX | WAIAU STATION MAINTENANCE | 0 | 25 | 0 | 6 | 31 |
| | | | **Subtotal for POWER SUPPLY OPER & MAINT** | **0** | **282** | **0** | **6** | **288** |
| | **POWER SUPPLY SERVICES** | | | | | | | |
| | | PIA | SERVICES ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |

# on within VP Function as of 06/30/2001

*Department:* *
*Division:* *

| VE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|
| | 6 | 0 | 0 | 6 |
| | 3 | 0 | 0 | 3 |
| | 3 | 0 | 0 | 3 |
| | 8 | 0 | 0 | 8 |
| | 24 | 0 | 0 | 24 |
| | 2 | 0 | 0 | 2 |
| | 2 | 0 | 0 | 2 |
| | 375 | 0 | 8 | 383 |
| | 4 | 0 | 0 | 4 |
| | 4 | 0 | 0 | 4 |
| | 8 | 0 | 0 | 8 |
| | 1356 | 1 | 27 | 1384 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2001 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| | | | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|---|---|
| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| Enterprise Total: | | | 1 | 1355 | 1 | 27 | 1384 |

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| 2001 | TOTAL | | |

## within VP Function as of 09/30/2001

partment: *
ision: *

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 8 | 1 | 0 | 9 |
| 2 | 0 | 0 | 2 |
| 10 | 1 | 0 | 11 |
| 6 | 0 | 0 | 6 |
| 6 | 0 | 0 | 6 |
| 23 | 0 | 0 | 23 |
| 18 | 0 | 0 | 18 |
| 4 | 0 | 0 | 4 |
| 50 | 0 | 0 | 50 |
| 18 | 0 | 0 | 18 |
| 38 | 0 | 0 | 38 |
| 4 | 0 | 0 | 4 |
| 2 | 0 | 0 | 2 |
| 6 | 0 | 0 | 6 |
| 10 | 0 | 0 | 10 |
| 27 | 0 | 0 | 27 |
| 2 | 0 | 0 | 2 |
| 1 | 0 | 0 | 1 |
| 215 | 0 | 0 | 215 |
| 9 | 0 | 0 | 9 |
| 2 | 0 | 0 | 2 |
| 25 | 0 | 0 | 25 |
| 15 | 0 | 0 | 15 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2001

**Report Parameters**

AsOfDate: 09/30/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for CUSTOMER INSTALLATION** | **0** | **51** | **0** | **0** | **51** |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 16 | 0 | 1 | 17 |
| | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PBS | DISTRIBUTION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 16 | 0 | 0 | 16 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for ENGINEERING** | **0** | **80** | **0** | **1** | **81** |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 7 | 0 | 0 | 7 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PVF | FLEET | 0 | 24 | 0 | 0 | 24 |
| | PVL | ELECTRICAL & WELDING SERVICES | 0 | 15 | 0 | 0 | 15 |
| | PVM | MATERIALS MANAGEMENT | 0 | 23 | 0 | 0 | 23 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SUPPORT SERVICES** | **0** | **76** | **0** | **0** | **76** |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 22 | 0 | 0 | 22 |
| | PRE | OPERATING ENGINEERING | 0 | 14 | 0 | 0 | 14 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 35 | 0 | 0 | 35 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 5 | 0 | 0 | 5 |

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| RY | TOTAL |
|---|---|
| 0 | 8 |
| 0 | 2 |
| 0 | 86 |
| 0 | 4 |
| 0 | 7 |
| 0 | 9 |
| 0 | 4 |
| 0 | 2 |
| 0 | 3 |
| 0 | 29 |
| 0 | 147 |
| 0 | 2 |
| 0 | 7 |
| 0 | 3 |
| 0 | 2 |
| 0 | 25 |
| 0 | 28 |
| 3 | 32 |
| 0 | 19 |
| 0 | 2 |
| 3 | 120 |
| 0 | 2 |
| 0 | 6 |
| 0 | 5 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2001 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | PSR | CUSTOMER TECH APPLICATIONS | 0 | 11 | 0 | 0 | 11 |
| | | | **Subtotal for ENERGY SERVICES** | **0** | **43** | **0** | **0** | **43** |
| | **LAND & RIGHTS OF WAY** | | | | | | | |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | **LEGAL** | | | | | | | |
| | | PNC | LEGAL | 0 | 11 | 0 | 0 | 11 |
| | **VP GENERAL COUNSEL** | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | **Total for GENERAL COUNSEL** | | | **0** | **167** | **0** | **13** | **180** |
| ***GOVT & COMMUNITY AFFAIRS*** | | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **GOVERNMENTAL RELATIONS** | | | | | | | |
| | | PNI | GOVERNMENTAL RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **REGULATORY AFFAIRS** | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **VP GOVT & COMMUNITY AFFAIRS** | | | | | | | |
| | | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| | **Total for GOVT & COMMUNITY AFFAIRS** | | | **0** | **18** | **0** | **0** | **18** |
| ***POWER SUPPLY*** | | | | | | | | |
| | **ENVIRONMENTAL** | | | | | | | |
| | | PJA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |

# unt by Department/Division within VP Function as of 09/30/2001

/30/2001

HAWAIIAN ELECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| ALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| TRY | 0 | 6 | 0 | 0 | 6 |
| & HAZARDOUS MATERIAL | 0 | 7 | 0 | 0 | 7 |
| **Subtotal for ENVIRONMENTAL** | **0** | **23** | **0** | **0** | **23** |
| **EERING** | | | | | |
| CAL SERVICES | 0 | 5 | 0 | 0 | 5 |
| STRATION | 0 | 3 | 0 | 0 | 3 |
| ATION PLANNING | 0 | 8 | 0 | 0 | 8 |
| RT STAFF | 0 | 2 | 0 | 0 | 2 |
| PLANT ELECT ENGRG | 0 | 4 | 0 | 0 | 4 |
| PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| PLANT MECH ENGRG | 0 | 6 | 0 | 0 | 6 |
| ATED RESOURCE PLANNING | 0 | 5 | 0 | 1 | 6 |
| **OWER SUPPLY ENGINEERING** | **0** | **39** | **0** | **1** | **40** |
| **& MAINT** | | | | | |
| DMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| ULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| TATION OPERATIONS | 0 | 60 | 0 | 0 | 60 |
| TATION MAINTENANCE | 0 | 27 | 0 | 0 | 27 |
| NANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| ULU STATION MAINTENANCE | 0 | 9 | 0 | 0 | 9 |
| TIONS ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| NG | 0 | 15 | 0 | 0 | 15 |
| ING MAINTENANCE | 0 | 66 | 0 | 0 | 66 |
| STATION OPERATIONS | 0 | 51 | 0 | 0 | 51 |
| STATION MAINTENANCE | 0 | 25 | 0 | 0 | 25 |
| **OWER SUPPLY OPER & MAINT** | **0** | **280** | **0** | **0** | **280** |

**CES**

# artment/Division within VP Function as of 09/30/2001

V ELECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 6 | 0 | 0 | 6 |
| | 0 | 3 | 0 | 0 | 3 |
| | 0 | 3 | 0 | 0 | 3 |
| | 0 | 8 | 0 | 0 | 8 |
| SERVICES | 0 | 24 | 0 | 0 | 24 |
| SOLUTIONS | 0 | 2 | 0 | 0 | 2 |
| | 0 | 368 | 0 | 1 | 369 |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 8 | 0 | 0 | 8 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 2 | 0 | 0 | 2 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2001

Report Parameters

AsOfDate: 09/30/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 0 | 1351 | 1 | 15 | 1367 |

001 TOTAL 7 3 3 13 3 6 9 10 2 13 5 10 40 2 5 8 3 16 80 1 of 10

# on within VP Function as of 12/31/2001

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | |
|---|---|---|---|---|
| VE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 8 | 1 | 0 | 9 |
| | 2 | 0 | 0 | 2 |
| | 10 | 1 | 0 | 11 |
| ) | 6 | 0 | 0 | 6 |
| ) | 6 | 0 | 0 | 6 |
| ) | 16 | 0 | 0 | 16 |
| ) | 18 | 0 | 0 | 18 |
| ) | 4 | 0 | 0 | 4 |
| ) | 51 | 0 | 0 | 51 |
| ) | 19 | 0 | 0 | 19 |
| ) | 38 | 0 | 0 | 38 |
| ) | 4 | 0 | 0 | 4 |
| ) | 2 | 0 | 0 | 2 |
| ) | 6 | 0 | 0 | 6 |
| ) | 10 | 0 | 0 | 10 |
| ) | 27 | 0 | 0 | 27 |
| ) | 1 | 0 | 0 | 1 |
| ) | 1 | 0 | 0 | 1 |
| 0 | 209 | 0 | 0 | 209 |
| 0 | 9 | 0 | 0 | 9 |
| 0 | 2 | 0 | 0 | 2 |
| 1 | 23 | 0 | 0 | 24 |
| 0 | 14 | 0 | 0 | 14 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2001 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for CUSTOMER INSTALLATION** | 1 | 48 | 0 | 0 | 49 |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 16 | 0 | 1 | 17 |
| | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PBS | DISTRIBUTION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 15 | 0 | 0 | 15 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 10 | 0 | 0 | 10 |
| | PNT | TELECOMMUNICATIONS | 1 | 4 | 0 | 0 | 5 |
| | | **Subtotal for ENGINEERING** | 1 | 84 | 0 | 1 | 86 |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 7 | 0 | 0 | 7 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PVF | FLEET | 0 | 24 | 0 | 0 | 24 |
| | PVL | ELECTRICAL & WELDING SERVICES | 1 | 14 | 0 | 0 | 15 |
| | PVM | MATERIALS MANAGEMENT | 0 | 22 | 0 | 0 | 22 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SUPPORT SERVICES** | 1 | 74 | 0 | 0 | 75 |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | PRE | OPERATING ENGINEERING | 0 | 14 | 0 | 0 | 14 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 35 | 0 | 0 | 35 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 5 | 0 | 0 | 5 |

# loyee Count by Department/Division within VP Function as of 12/31/2001

*AsOfDate:* 12/31/2001
*District:* P HAWAIIAN ELECTRIC COMPANY *Department:* *
*VP Function:* * *Division:* *

**IC COMPANY:**

| RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|
| | **Subtotal for SYSTEM OPERATION** | 0 | 105 | 0 | 0 | 105 |
| **RGY DELIVERY** | | | | | | |
| P2V | VP ENERGY DELIVERY | 0 | 2 | 0 | 0 | 2 |
| **for ENERGY DELIVERY** | | 3 | 529 | 0 | 1 | 533 |
| **IAL VICE PRESIDENT** | | | | | | |
| P4V | FINANCIAL VICE PRESIDENT | 0 | 2 | 0 | 0 | 2 |
| **AL ACCOUNTING** | | | | | | |
| PAA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| PAD | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | **Subtotal for GENERAL ACCOUNTING** | 0 | 25 | 0 | 0 | 25 |
| **ECURITY & OFFICE SVCS** | | | | | | |
| PEB | ADMIN-OFFICE SERVICES | 0 | 3 | 0 | 0 | 3 |
| PEM | MAILING SERVICES | 0 | 9 | 0 | 0 | 9 |
| PER | PUBLISHING & RECORDS SERVICES | 0 | 7 | 0 | 0 | 7 |
| | **Subtotal for INFO SECURITY & OFFICE SVCS** | 0 | 19 | 0 | 0 | 19 |
| **ECHNOLOGY & SVCS** | | | | | | |
| PEA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| PEC | CUSTOMER CARE | 0 | 11 | 0 | 0 | 11 |
| PED | DEVELOPMENT SERVICES | 0 | 31 | 0 | 0 | 31 |
| PEI | INFRASTRUCTURE & OPERATIONS | 0 | 18 | 0 | 0 | 18 |
| PEP | PROJECT & BUSINESS MGMT | 0 | 11 | 0 | 0 | 11 |
| | **Subtotal for INFO TECHNOLOGY & SVCS** | 0 | 73 | 0 | 0 | 73 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2001

**Report Parameters**

AsOfDate: 12/31/2001
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PKS | SECURITIES | 0 | 2 | 0 | 0 | 2 |
| | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | | **0** | **22** | **0** | **0** | **22** |
| **RISK MANAGEMENT** | | | | | | | |
| | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | **Total for FINANCE** | | **0** | **150** | **0** | **0** | **150** |
| ***GENERAL COUNSEL*** | | | | | | | |
| **CUSTOMER SERVICE** | | | | | | | |
| | PCA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PCB | CUST ACCOUNTING & BILLING | 0 | 7 | 0 | 0 | 7 |
| | PCD | CREDIT | 0 | 3 | 0 | 0 | 3 |
| | PCF | CUSTOMER FIELD SERVICES | 0 | 2 | 0 | 0 | 2 |
| | PCG | FIELD SERVICE & COLLECTIONS | 0 | 23 | 0 | 0 | 23 |
| | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 27 | 0 | 0 | 27 |
| | PCM | METER READING | 0 | 21 | 0 | 13 | 34 |
| | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 18 | 0 | 0 | 18 |
| | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| | **Subtotal for CUSTOMER SERVICE** | | **0** | **105** | **0** | **13** | **118** |
| **ENERGY SERVICES** | | | | | | | |
| | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | PSF | FORECASTS | 0 | 5 | 0 | 0 | 5 |
| | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |

# artment/Division within VP Function as of 12/31/2001

' ELECTRIC COMPANY

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 10 | 0 | 0 | 10 |
| | 0 | 3 | 0 | 0 | 3 |
| )NS | 0 | 11 | 0 | 0 | 11 |
| SERVICES | 0 | 43 | 0 | 0 | 43 |
| | 0 | 4 | 0 | 0 | 4 |
| | 0 | 11 | 0 | 0 | 11 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 165 | 0 | 13 | 178 |
| :FAIRS | 0 | 6 | 0 | 0 | 6 |
| | 0 | 1 | 0 | 0 | 1 |
| | 0 | 6 | 0 | 0 | 6 |
| AIRS | 0 | 4 | 0 | 0 | 4 |
| | 0 | 17 | 0 | 0 | 17 |
| | 0 | 5 | 0 | 0 | 5 |
| | 0 | 6 | 0 | 0 | 6 |

## s of 12/31/2001

| TEMPORARY | TOTAL |
|---|---|
| 0 | 6 |
| 0 | 6 |
| 0 | 23 |
| 0 | 5 |
| 0 | 3 |
| 0 | 8 |
| 0 | 2 |
| 0 | 4 |
| 0 | 2 |
| 0 | 4 |
| 0 | 6 |
| 1 | 6 |
| 1 | 40 |
| 0 | 7 |
| 0 | 17 |
| 0 | 59 |
| 0 | 27 |
| 0 | 2 |
| 0 | 9 |
| 0 | 1 |
| 0 | 14 |
| 0 | 70 |
| 0 | 51 |
| 0 | 24 |
| 0 | 281 |
| 0 | 4 |

*of 12/31/2001*

| EMPORARY | TOTAL |
|---|---|
| 0 | 6 |
| 0 | 3 |
| 0 | 3 |
| 0 | 7 |
| 0 | 23 |
| 0 | 2 |
| 1 | 369 |
| 0 | 3 |
| 0 | 4 |
| 0 | 7 |
| 0 | 2 |
| 0 | 2 |
| 0 | 2 |
| 0 | 2 |

# partment/Division within VP Function as of 12/31/2001

AN ELECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 4 | 1329 | 1 | 15 | 1349 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2001

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2001 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 4 | 1329 | 1 | 15 | 1349 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/30/2002

**Report Parameters**

AsOfDate: 03/30/2002
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 7 | 0 | 0 | 7 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **12** | **0** | **0** | **12** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 10 | 0 | 0 | 10 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **40** | **0** | **0** | **40** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 1 | 4 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **1** | **15** | **0** | **0** | **16** |
| | | **Total for CORPORATE EXCELLENCE** | **1** | **78** | **0** | **0** | **79** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 03/30/2002

Report Parameters
AsOfDate: 03/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | **CORPORATE COMMUNICATIONS** | | | | | | | |
| | | PQC | CORPORATE COMMUNICATIONS | 0 | 8 | 1 | 0 | 9 |
| | **VP CORPORATE RELATIONS** | | | | | | | |
| | | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | | 0 | 10 | 1 | 0 | 11 |
| **ENERGY DELIVERY** | | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | | |
| | | PDA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | | PDC | CONTROL SECTION | 0 | 6 | 0 | 0 | 6 |
| | | PDD | TRAINING SECTION | 0 | 16 | 0 | 0 | 16 |
| | | PDF | FIELD OPERATION | 0 | 18 | 0 | 0 | 18 |
| | | PDH | CUSTOMER DEMAND | 0 | 4 | 0 | 0 | 4 |
| | | PDJ | WEST OVERHEAD | 0 | 51 | 0 | 0 | 51 |
| | | PDK | EAST OVERHEAD-KOOLAU | 0 | 19 | 0 | 0 | 19 |
| | | PDL | EAST OVERHEAD-WARD | 0 | 38 | 0 | 0 | 38 |
| | | PDM | MAINTENANCE DEMAND | 0 | 4 | 0 | 0 | 4 |
| | | PDP | PLANNING | 0 | 2 | 0 | 0 | 2 |
| | | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | | PDT | TRANSMISSION & TRAINING | 0 | 10 | 0 | 0 | 10 |
| | | PDU | UNDERGROUND | 0 | 27 | 0 | 0 | 27 |
| | | PDV | VEGETATION MANAGEMENT | 0 | 1 | 0 | 0 | 1 |
| | | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | | **Subtotal for CONSTRUCTION & MAINTENANCE** | | 0 | 210 | 0 | 0 | 210 |
| | **CUSTOMER INSTALLATION** | | | | | | | |
| | | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | | PWM | JOINT POLE | 0 | 2 | 0 | 0 | 2 |
| | | PWP | PLANNING & DESIGN | 1 | 24 | 0 | 0 | 25 |
| | | PWX | ENGINEERING & METER | 0 | 14 | 0 | 0 | 14 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/30/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for CUSTOMER INSTALLATION** | **1** | **50** | **0** | **0** | **51** |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 21 | 0 | 1 | 22 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 1 | 18 | 0 | 0 | 19 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 13 | 0 | 0 | 13 |
| | | **Subtotal for ENGINEERING** | **1** | **77** | **0** | **1** | **79** |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 7 | 0 | 0 | 7 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PVF | FLEET | 0 | 24 | 0 | 1 | 25 |
| | PVL | ELECTRICAL & WELDING SERVICES | 1 | 14 | 0 | 0 | 15 |
| | PVM | MATERIALS MANAGEMENT | 0 | 27 | 0 | 0 | 27 |
| | PVP | PURCHASING | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for SUPPORT SERVICES** | **1** | **80** | **0** | **1** | **82** |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | PRE | OPERATING ENGINEERING | 0 | 13 | 0 | 0 | 13 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 34 | 0 | 0 | 34 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for SYSTEM OPERATION** | **0** | **103** | **0** | **0** | **103** |

## hin VP Function as of 03/30/2002

nt: *
*

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| LL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 2 | 0 | 0 | 2 |
| 529 | 0 | 2 | 534 |
| 2 | 0 | 0 | 2 |
| 5 | 0 | 0 | 5 |
| 5 | 0 | 0 | 5 |
| 10 | 0 | 0 | 10 |
| 5 | 0 | 0 | 5 |
| 25 | 0 | 0 | 25 |
| 2 | 0 | 0 | 2 |
| 9 | 0 | 0 | 9 |
| 7 | 0 | 0 | 7 |
| 18 | 0 | 0 | 18 |
| 2 | 0 | 0 | 2 |
| 12 | 0 | 0 | 12 |
| 30 | 0 | 0 | 30 |
| 18 | 0 | 0 | 18 |
| 11 | 0 | 0 | 11 |
| 73 | 0 | 0 | 73 |
| 4 | 0 | 0 | 4 |

# Employee Count by Department/Division within VP Function as of 03/30/2002

AsOfDate: 03/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## LECTRIC COMPANY:

| PT | RA | | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PKS | SECURITIES | 0 | 2 | 0 | 0 | 2 |
| | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | | **0** | **22** | **0** | **0** | **22** |
| **ISK MANAGEMENT** | | | | | | | |
| | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | **Total for FINANCE** | | **0** | **149** | **0** | **0** | **149** |
| **OUNSEL** | | | | | | | |
| **USTOMER SERVICE** | | | | | | | |
| | PCA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PCB | CUST ACCOUNTING & BILLING | 0 | 7 | 0 | 0 | 7 |
| | PCD | CREDIT | 0 | 3 | 0 | 0 | 3 |
| | PCF | CUSTOMER FIELD SERVICES | 0 | 2 | 0 | 0 | 2 |
| | PCG | FIELD SERVICE & COLLECTIONS | 0 | 22 | 0 | 0 | 22 |
| | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 27 | 0 | 0 | 27 |
| | PCM | METER READING | 0 | 21 | 0 | 11 | 32 |
| | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 18 | 0 | 0 | 18 |
| | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| | **Subtotal for CUSTOMER SERVICE** | | **0** | **104** | **0** | **11** | **115** |
| **NERGY SERVICES** | | | | | | | |
| | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | PSF | FORECASTS | 0 | 4 | 0 | 0 | 4 |
| | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | PSR | CUSTOMER TECH APPLICATIONS | 0 | 11 | 0 | 0 | 11 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/30/2002

**Report Parameters**

AsOfDate: 03/30/2002
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | Subtotal for ENERGY SERVICES | 0 | 42 | 0 | 0 | 42 |
| LAND & RIGHTS OF WAY | | | | | | | |
| | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| LEGAL | | | | | | | |
| | PNC | LEGAL | 0 | 11 | 0 | 0 | 11 |
| VP GENERAL COUNSEL | | | | | | | |
| | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| Total for GENERAL COUNSEL | | | 0 | 163 | 0 | 11 | 174 |
| GOVT & COMMUNITY AFFAIRS | | | | | | | |
| EDUCATION & CONSUMER AFFAIRS | | | | | | | |
| | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| GOVERNMENTAL RELATIONS | | | | | | | |
| | PNI | GOVERNMENTAL RELATIONS | 0 | 1 | 0 | 1 | 2 |
| REGULATORY AFFAIRS | | | | | | | |
| | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| VP GOVT & COMMUNITY AFFAIRS | | | | | | | |
| | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| Total for GOVT & COMMUNITY AFFAIRS | | | 0 | 17 | 0 | 1 | 18 |
| POWER SUPPLY | | | | | | | |
| ENVIRONMENTAL | | | | | | | |
| | PJA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/30/2002

**Report Parameters**

AsOfDate: 03/30/2002
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for ENVIRONMENTAL** | **0** | **23** | **0** | **0** | **23** |
| **POWER SUPPLY ENGINEERING** | | | | | | | |
| | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PIE | TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYB | GENERATION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 4 | 0 | 0 | 4 |
| | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 6 | 0 | 0 | 6 |
| | PYP | INTEGRATED RESOURCE PLANNING | 0 | 5 | 0 | 1 | 6 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **49** | **0** | **1** | **50** |
| **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | PIK | KAHE STATION OPERATIONS | 1 | 58 | 0 | 0 | 59 |
| | PIL | KAHE STATION MAINTENANCE | 0 | 28 | 0 | 0 | 28 |
| | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | PIO | OPERATIONS ADMINISTRATION | 0 | 1 | 0 | 0 | 1 |
| | PIP | PLANNING | 0 | 11 | 0 | 0 | 11 |
| | PIT | TRAVELING MAINTENANCE | 0 | 68 | 0 | 0 | 68 |
| | PIW | WAIAU STATION OPERATIONS | 0 | 53 | 0 | 0 | 53 |
| | PIX | WAIAU STATION MAINTENANCE | 0 | 24 | 0 | 0 | 24 |
| | | **Subtotal for POWER SUPPLY OPER & MAINT** | **1** | **277** | **0** | **0** | **278** |
| **POWER SUPPLY SERVICES** | | | | | | | |
| | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIC | POWER PURCHASE | 0 | 6 | 0 | 0 | 6 |

## 'P Function as of 03/30/2002

| EE TYPE | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|
| | 0 | 0 | 3 |
| | 0 | 0 | 11 |
| | 0 | 0 | 2 |
| | 0 | 1 | 364 |
| | 0 | 0 | 4 |
| | 0 | 0 | 4 |
| | 0 | 0 | 8 |
| | 0 | 0 | 2 |
| | 0 | 0 | 2 |
| | 0 | 0 | 2 |
| | 0 | 0 | 2 |
| | 1 | 15 | 1341 |

## Function as of 03/30/2002

| TYPE | | |
|---|---|---|
| PART-TIME | TEMPORARY | TOTAL |
| 1 | 15 | 1341 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **13** | **0** | **0** | **13** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 10 | 0 | 1 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **41** | **0** | **1** | **42** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 1 | 4 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **1** | **15** | **0** | **0** | **16** |
| | | **Total for CORPORATE EXCELLENCE** | **1** | **80** | **0** | **1** | **82** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

**Report Parameters**

AsOfDate: 06/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for CUSTOMER INSTALLATION** | **1** | **50** | **0** | **0** | **51** |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 21 | 0 | 1 | 22 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 1 | 18 | 0 | 0 | 19 |
| | PBZ | T&D TECHNICAL SERVICES | 1 | 12 | 0 | 0 | 13 |
| | | **Subtotal for ENGINEERING** | **2** | **76** | **0** | **1** | **79** |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PVF | FLEET | 0 | 24 | 0 | 2 | 26 |
| | PVL | ELECTRICAL & WELDING SERVICES | 1 | 14 | 0 | 0 | 15 |
| | PVM | MATERIALS MANAGEMENT | 0 | 27 | 0 | 0 | 27 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SUPPORT SERVICES** | **1** | **78** | **0** | **2** | **81** |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 22 | 0 | 0 | 22 |
| | PRE | OPERATING ENGINEERING | 0 | 14 | 0 | 0 | 14 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 33 | 0 | 0 | 33 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for SYSTEM OPERATION** | **0** | **104** | **0** | **0** | **104** |

## n VP Function as of 06/30/2002

| MPLOYEE TYPE | | | |
|---|---|---|---|
| IME | PART-TIME | TEMPORARY | TOTAL |
| 2 | 0 | 0 | 2 |
| 19 | 0 | 3 | 526 |
| 2 | 0 | 0 | 2 |
| 5 | 0 | 0 | 5 |
| 5 | 0 | 0 | 5 |
| 10 | 0 | 0 | 10 |
| 5 | 0 | 0 | 5 |
| 25 | 0 | 0 | 25 |
| 2 | 0 | 0 | 2 |
| 9 | 0 | 0 | 9 |
| 7 | 0 | 0 | 7 |
| 18 | 0 | 0 | 18 |
| 2 | 0 | 0 | 2 |
| 12 | 0 | 0 | 12 |
| 30 | 0 | 0 | 30 |
| 17 | 0 | 0 | 17 |
| 10 | 0 | 0 | 10 |
| 71 | 0 | 0 | 71 |
| 4 | 0 | 0 | 4 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

**Report Parameters**

AsOfDate: 06/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PKS | SECURITIES | 0 | 2 | 0 | 0 | 2 |
| | | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | | **0** | **22** | **0** | **0** | **22** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | **Total for FINANCE** | | **0** | **147** | **0** | **0** | **147** |
| **GENERAL COUNSEL** | | | | | | | | |
| | **CUSTOMER SERVICE** | | | | | | | |
| | | PCA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PCB | CUST ACCOUNTING & BILLING | 0 | 7 | 0 | 0 | 7 |
| | | PCD | CREDIT | 0 | 2 | 0 | 0 | 2 |
| | | PCF | CUSTOMER FIELD SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | PCG | FIELD SERVICE & COLLECTIONS | 0 | 22 | 0 | 0 | 22 |
| | | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 28 | 0 | 0 | 28 |
| | | PCM | METER READING | 0 | 21 | 0 | 12 | 33 |
| | | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 18 | 0 | 0 | 18 |
| | | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | **Subtotal for CUSTOMER SERVICE** | | **0** | **104** | **0** | **12** | **116** |
| | **ENERGY SERVICES** | | | | | | | |
| | | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | | PSF | FORECASTS | 0 | 5 | 0 | 0 | 5 |
| | | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | PSR | CUSTOMER TECH APPLICATIONS | 0 | 11 | 0 | 0 | 11 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

Report Parameters

AsOfDate: 06/30/2002
District: P
VP Function: *
HAWAIIAN ELECTRIC COMPANY
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | | Subtotal for ENERGY SERVICES | 0 | 43 | 0 | 0 | 43 |
| | LEGAL | | | | | | | |
| | | PNC | LEGAL | 0 | 11 | 0 | 0 | 11 |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | | | Subtotal for LEGAL | 0 | 15 | 0 | 0 | 15 |
| | VP GENERAL COUNSEL | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | Total for GENERAL COUNSEL | | | 0 | 164 | 0 | 12 | 176 |
| GOVT & COMMUNITY AFFAIRS | | | | | | | | |
| | EDUCATION & CONSUMER AFFAIRS | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | GOVERNMENTAL RELATIONS | | | | | | | |
| | | PNI | GOVERNMENTAL RELATIONS | 0 | 1 | 0 | 0 | 1 |
| | REGULATORY AFFAIRS | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | VP GOVT & COMMUNITY AFFAIRS | | | | | | | |
| | | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| | Total for GOVT & COMMUNITY AFFAIRS | | | 0 | 17 | 0 | 0 | 17 |
| POWER SUPPLY | | | | | | | | |
| | ENVIRONMENTAL | | | | | | | |
| | | PJA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

**Report Parameters**

AsOfDate: 06/30/2002
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Subtotal for ENVIRONMENTAL** | **0** | **23** | **0** | **0** | **23** |
| **POWER SUPPLY ENGINEERING** | | | | | | | |
| | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |
| | PIE | TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYB | GENERATION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 4 | 0 | 0 | 4 |
| | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 5 | 0 | 0 | 5 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 6 | 0 | 0 | 6 |
| | PYP | INTEGRATED RESOURCE PLANNING | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **50** | **0** | **0** | **50** |
| **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | PIK | KAHE STATION OPERATIONS | 1 | 57 | 0 | 0 | 58 |
| | PIL | KAHE STATION MAINTENANCE | 0 | 28 | 0 | 0 | 28 |
| | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIN | HONOLULU STATION MAINTENANCE | 0 | 7 | 0 | 0 | 7 |
| | PIO | OPERATIONS ADMINISTRATION | 0 | 1 | 0 | 0 | 1 |
| | PIP | PLANNING | 0 | 11 | 0 | 0 | 11 |
| | PIT | TRAVELING MAINTENANCE | 0 | 69 | 0 | 0 | 69 |
| | PIW | WAIAU STATION OPERATIONS | 0 | 53 | 0 | 0 | 53 |
| | PIX | WAIAU STATION MAINTENANCE | 0 | 25 | 0 | 0 | 25 |
| | | **Subtotal for POWER SUPPLY OPER & MAINT** | **1** | **277** | **0** | **0** | **278** |
| **POWER SUPPLY SERVICES** | | | | | | | |
| | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIC | POWER PURCHASE | 0 | 6 | 0 | 0 | 6 |

## P Function as of 06/30/2002

| EE TYPE | | |
|---|---|---|
| PART-TIME | TEMPORARY | TOTAL |
| 0 | 0 | 3 |
| 0 | 0 | 11 |
| 0 | 0 | 2 |
| 0 | 0 | 364 |
| 0 | 0 | 4 |
| 0 | 0 | 3 |
| 0 | 0 | 7 |
| 0 | 0 | 3 |
| 0 | 0 | 3 |
| 0 | 0 | 2 |
| 0 | 0 | 2 |
| 0 | 0 | 2 |
| 0 | 0 | 2 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Total for HAWAIIAN ELECTRIC COMPANY | | | 6 | 1314 | 1 | 16 | 1337 |

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# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

Report Parameters

AsOfDate: 09/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **13** | **0** | **0** | **13** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 10 | 0 | 0 | 10 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **41** | **0** | **0** | **41** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **15** | **0** | **0** | **15** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **80** | **0** | **0** | **80** |

## CORPORATE RELATIONS

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| | **CORPORATE COMMUNICATIONS** | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 8 | 1 | 0 | 9 |
| | **VP CORPORATE RELATIONS** | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | **0** | **10** | **1** | **0** | **11** |
| **ENERGY DELIVERY** | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | |
| | PDA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PDC | CONTROL SECTION | 0 | 6 | 0 | 0 | 6 |
| | PDD | TRAINING SECTION | 0 | 19 | 0 | 0 | 19 |
| | PDF | FIELD OPERATION | 0 | 19 | 0 | 0 | 19 |
| | PDH | CUSTOMER DEMAND | 0 | 4 | 0 | 0 | 4 |
| | PDJ | WEST OVERHEAD | 0 | 49 | 0 | 0 | 49 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 17 | 0 | 0 | 17 |
| | PDL | EAST OVERHEAD-WARD | 0 | 38 | 0 | 0 | 38 |
| | PDM | MAINTENANCE DEMAND | 0 | 4 | 0 | 0 | 4 |
| | PDP | PLANNING | 0 | 2 | 0 | 0 | 2 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDT | TRANSMISSION & TRAINING | 0 | 9 | 0 | 0 | 9 |
| | PDU | UNDERGROUND | 0 | 26 | 0 | 0 | 26 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **0** | **207** | **0** | **0** | **207** |
| | **CUSTOMER INSTALLATION** | | | | | | |
| | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | PWM | JOINT POLE | 0 | 2 | 0 | 0 | 2 |
| | PWP | PLANNING & DESIGN | 1 | 24 | 0 | 0 | 25 |
| | PWX | ENGINEERING & METER | 0 | 12 | 0 | 0 | 12 |
| | **Subtotal for CUSTOMER INSTALLATION** | | **1** | **48** | **0** | **0** | **49** |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

AsOfDate: 09/30/2002
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 21 | 0 | 0 | 21 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 19 | 0 | 0 | 19 |
| | PBZ | T&D TECHNICAL SERVICES | 1 | 12 | 0 | 0 | 13 |
| | | **Subtotal for ENGINEERING** | **1** | **77** | **0** | **0** | **78** |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PVF | FLEET | 0 | 24 | 0 | 2 | 26 |
| | PVL | ELECTRICAL & WELDING SERVICES | 1 | 14 | 0 | 0 | 15 |
| | PVM | MATERIALS MANAGEMENT | 0 | 26 | 0 | 0 | 26 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SUPPORT SERVICES** | **1** | **77** | **0** | **2** | **80** |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | PRE | OPERATING ENGINEERING | 0 | 14 | 0 | 0 | 14 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 32 | 0 | 0 | 32 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for SYSTEM OPERATION** | **0** | **102** | **0** | **0** | **102** |
| **VP ENERGY DELIVERY** | | | | | | | |
| | P2V | VP ENERGY DELIVERY | 0 | 2 | 0 | 0 | 2 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

AsOfDate: 09/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | **Total for ENERGY DELIVERY** | 3 | 519 | 0 | 2 | 524 |
| **FINANCE** | | | | | | | |
| **FINANCIAL VICE PRESIDENT** | | | | | | | |
| | P4V | FINANCIAL VICE PRESIDENT | 0 | 2 | 0 | 0 | 2 |
| **GENERAL ACCOUNTING** | | | | | | | |
| | PAA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | PAD | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| | PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for GENERAL ACCOUNTING** | 0 | 25 | 0 | 0 | 25 |
| **INFO SECURITY & OFFICE SVCS** | | | | | | | |
| | PEB | ADMIN-OFFICE SERVICES | 0 | 4 | 0 | 0 | 4 |
| | PEM | MAILING SERVICES | 0 | 9 | 0 | 0 | 9 |
| | PER | PUBLISHING & RECORDS SERVICES | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for INFO SECURITY & OFFICE SVCS** | 0 | 18 | 0 | 0 | 18 |
| **INFO TECHNOLOGY & SVCS** | | | | | | | |
| | PEA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PEC | CUSTOMER CARE | 0 | 12 | 0 | 0 | 12 |
| | PED | DEVELOPMENT SERVICES | 0 | 29 | 0 | 0 | 29 |
| | PEI | INFRASTRUCTURE & OPERATIONS | 0 | 18 | 0 | 0 | 18 |
| | PEP | PROJECT & BUSINESS MGMT | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for INFO TECHNOLOGY & SVCS** | 0 | 71 | 0 | 0 | 71 |
| **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| *AsOfDate:* | *09/30/2002* | | | |
| *District:* | *P* | *HAWAIIAN ELECTRIC COMPANY* | *Department:* | * |
| *VP Function:* | * | | *Division:* | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PKS | SECURITIES | 0 | 2 | 0 | 0 | 2 |
| | | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | | **0** | **22** | **0** | **0** | **22** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | **Total for FINANCE** | | **0** | **147** | **0** | **0** | **147** |
| ***GENERAL COUNSEL*** | | | | | | | | |
| | **CUSTOMER SERVICE** | | | | | | | |
| | | PCA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PCB | CUST ACCOUNTING & BILLING | 0 | 7 | 0 | 0 | 7 |
| | | PCD | CREDIT | 0 | 2 | 0 | 0 | 2 |
| | | PCF | CUSTOMER FIELD SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | PCG | FIELD SERVICE & COLLECTIONS | 0 | 22 | 0 | 0 | 22 |
| | | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 28 | 0 | 0 | 28 |
| | | PCM | METER READING | 0 | 21 | 0 | 11 | 32 |
| | | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 17 | 0 | 0 | 17 |
| | | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | **Subtotal for CUSTOMER SERVICE** | | **0** | **104** | **0** | **11** | **115** |
| | **ENERGY SERVICES** | | | | | | | |
| | | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 5 | 0 | 0 | 5 |
| | | PSF | FORECASTS | 0 | 5 | 0 | 0 | 5 |
| | | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | PSR | CUSTOMER TECH APPLICATIONS | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for ENERGY SERVICES** | | **0** | **42** | **0** | **0** | **42** |
| | **LEGAL** | | | | | | | |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

Report Parameters
AsOfDate: 09/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PNC | LEGAL | 0 | 10 | 0 | 0 | 10 |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for LEGAL** | **0** | **14** | **0** | **0** | **14** |
| | **VP GENERAL COUNSEL** | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | **Total for GENERAL COUNSEL** | | | **0** | **162** | **0** | **11** | **173** |
| ***GOVT & COMMUNITY AFFAIRS*** | | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 5 | 0 | 0 | 5 |
| | **GOVERNMENTAL RELATIONS** | | | | | | | |
| | | PNI | GOVERNMENTAL RELATIONS | 0 | 1 | 0 | 0 | 1 |
| | **REGULATORY AFFAIRS** | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **VP GOVT & COMMUNITY AFFAIRS** | | | | | | | |
| | | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| | **Total for GOVT & COMMUNITY AFFAIRS** | | | **0** | **16** | **0** | **0** | **16** |
| ***POWER SUPPLY*** | | | | | | | | |
| | **ENVIRONMENTAL** | | | | | | | |
| | | PJA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |
| | | | **Subtotal for ENVIRONMENTAL** | **0** | **23** | **0** | **0** | **23** |
| | **POWER SUPPLY ENGINEERING** | | | | | | | |
| | | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

AsOfDate: 09/30/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PIE | TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PYB | GENERATION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | | PYF | POWER PLANT ELECT ENGRG | 0 | 5 | 0 | 0 | 5 |
| | | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | | PYJ | POWER PLANT PROJECT MGT | 0 | 5 | 0 | 0 | 5 |
| | | PYM | POWR PLANT MECH ENGRG | 0 | 6 | 0 | 0 | 6 |
| | | PYP | INTEGRATED RESOURCE PLANNING | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **49** | **0** | **0** | **49** |
| | **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | | PIB | O&M ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | | PIK | KAHE STATION OPERATIONS | 1 | 56 | 0 | 0 | 57 |
| | | PIL | KAHE STATION MAINTENANCE | 0 | 28 | 0 | 0 | 28 |
| | | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | | PIO | OPERATIONS ADMINISTRATION | 0 | 1 | 0 | 0 | 1 |
| | | PIP | PLANNING | 0 | 12 | 0 | 0 | 12 |
| | | PIT | TRAVELING MAINTENANCE | 0 | 64 | 0 | 0 | 64 |
| | | PIW | WAIAU STATION OPERATIONS | 0 | 53 | 0 | 0 | 53 |
| | | PIX | WAIAU STATION MAINTENANCE | 1 | 22 | 0 | 0 | 23 |
| | | | **Subtotal for POWER SUPPLY OPER & MAINT** | **2** | **270** | **0** | **0** | **272** |
| | **POWER SUPPLY SERVICES** | | | | | | | |
| | | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIC | POWER PURCHASE | 0 | 6 | 0 | 0 | 6 |
| | | PIF | FUEL RESOURCES | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for POWER SUPPLY SERVICES** | **0** | **11** | **0** | **0** | **11** |
| | **VP POWER SUPPLY** | | | | | | | |

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## sion within VP Function as of 09/30/2002

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | |
|---|---|---|---|---|
| EAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 0 | 2 | 0 | 0 | 2 |
| 2 | 355 | 0 | 0 | 357 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 3 | 0 | 0 | 3 |
| 0 | 7 | 0 | 0 | 7 |
| 0 | 5 | 0 | 0 | 5 |
| 0 | 5 | 0 | 0 | 5 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 2 | 0 | 0 | 2 |
| 5 | 1305 | 1 | 13 | 1324 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2002

**Report Parameters**

AsOfDate: 09/30/2002
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 6 | 1306 | 1 | 13 | 1324 |

# nt by Department/Division within VP Function as of 12/31/2002

31/2002

HAWAIIAN ELECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| **ENEFITS** | | | | | |
| NEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| SATION | 0 | 2 | 0 | 0 | 2 |
| TY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| **MPENSATION AND BENEFITS** | **0** | **13** | **0** | **0** | **13** |
| **S** | | | | | |
| TRATION | 0 | 3 | 0 | 0 | 3 |
| REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| **for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **ACILITIES** | | | | | |
| ATE SAFETY | 0 | 10 | 0 | 0 | 10 |
| TRATION | 0 | 2 | 0 | 0 | 2 |
| ES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| ES PLANNING | 0 | 3 | 0 | 0 | 3 |
| TY | 0 | 10 | 0 | 0 | 10 |
| **FETY, SECURITY & FACILITIES** | **0** | **38** | **0** | **0** | **38** |
| **LENCE** | | | | | |
| PORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **& DEVELOP** | | | | | |
| STRATION | 0 | 4 | 0 | 0 | 4 |
| SERVICES & CONSULTING | 1 | 7 | 0 | 0 | 8 |
| Z DEV & CONTIN IMPRVMT | 0 | 2 | 0 | 0 | 2 |
| **FORCE STAFFING & DEVELOP** | **1** | **13** | **0** | **0** | **14** |
| **ELLENCE** | **1** | **76** | **0** | **0** | **76** |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

AsOfDate: 12/31/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE COMMUNICATIONS** | | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 8 | 1 | 0 | 9 |
| **VP CORPORATE RELATIONS** | | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| **Total for CORPORATE RELATIONS** | | | **0** | **10** | **1** | **0** | **11** |
| **ENERGY DELIVERY** | | | | | | | |
| **CONSTRUCTION & MAINTENANCE** | | | | | | | |
| | PDA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PDC | CONTROL SECTION | 0 | 7 | 0 | 0 | 7 |
| | PDD | TRAINING SECTION | 0 | 18 | 0 | 0 | 18 |
| | PDF | FIELD OPERATION | 0 | 21 | 0 | 0 | 21 |
| | PDH | CUSTOMER DEMAND | 0 | 4 | 0 | 0 | 4 |
| | PDJ | WEST OVERHEAD | 0 | 47 | 0 | 0 | 47 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 16 | 0 | 0 | 16 |
| | PDL | EAST OVERHEAD-WARD | 0 | 38 | 0 | 0 | 38 |
| | PDM | MAINTENANCE DEMAND | 0 | 4 | 0 | 0 | 4 |
| | PDP | PLANNING | 0 | 2 | 0 | 0 | 2 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDT | TRANSMISSION & TRAINING | 0 | 8 | 0 | 0 | 8 |
| | PDU | UNDERGROUND | 0 | 26 | 0 | 0 | 26 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| **Subtotal for CONSTRUCTION & MAINTENANCE** | | | **0** | **205** | **0** | **0** | **205** |
| **CUSTOMER INSTALLATION** | | | | | | | |
| | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | PWM | JOINT POLE | 0 | 2 | 0 | 0 | 2 |
| | PWP | PLANNING & DESIGN | 1 | 25 | 0 | 0 | 26 |
| | PWX | ENGINEERING & METER | 1 | 11 | 0 | 0 | 12 |
| **Subtotal for CUSTOMER INSTALLATION** | | | **2** | **48** | **0** | **0** | **50** |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

AsOfDate: 12/31/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 0 | 21 | 0 | 0 | 21 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 19 | 0 | 0 | 19 |
| | PBZ | T&D TECHNICAL SERVICES | 1 | 11 | 0 | 0 | 12 |
| | | **Subtotal for ENGINEERING** | **1** | **76** | **0** | **0** | **77** |
| **PROJECT MANAGEMENT** | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| **SUPPORT SERVICES** | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PVF | FLEET | 0 | 23 | 0 | 2 | 25 |
| | PVL | ELECTRICAL & WELDING SERVICES | 1 | 14 | 0 | 0 | 15 |
| | PVM | MATERIALS MANAGEMENT | 0 | 26 | 0 | 0 | 26 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SUPPORT SERVICES** | **1** | **77** | **0** | **2** | **80** |
| **SYSTEM OPERATION** | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | PRE | OPERATING ENGINEERING | 0 | 13 | 0 | 0 | 13 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 30 | 0 | 0 | 30 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for SYSTEM OPERATION** | **0** | **98** | **0** | **0** | **98** |
| **VP ENERGY DELIVERY** | | | | | | | |
| | P2V | VP ENERGY DELIVERY | 0 | 3 | 0 | 0 | 3 |

# VP Function as of 12/31/2002

| LOYEE TYPE | | | |
|---|---|---|---|
| IME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 2 | 619 |
| | 0 | 0 | 2 |
| | 0 | 0 | 5 |
| | 0 | 0 | 5 |
| | 0 | 0 | 10 |
| | 0 | 0 | 5 |
| | 0 | 0 | 25 |
| 5 | 0 | 0 | 5 |
| 8 | 0 | 0 | 8 |
| 5 | 0 | 0 | 5 |
| 8 | 0 | 0 | 18 |
| 2 | 0 | 0 | 2 |
| 0 | 0 | 0 | 10 |
| 1 | 0 | 0 | 31 |
| 1 | 0 | 0 | 21 |
| 0 | 0 | 0 | 10 |
| 4 | 0 | 0 | 74 |
| 4 | 0 | 0 | 4 |
| 7 | 0 | 0 | 7 |
| 3 | 0 | 0 | 3 |
| 3 | 0 | 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

AsOfDate: 12/31/2002
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PKS | SECURITIES | 0 | 2 | 0 | 0 | 2 |
| | | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | | **0** | **22** | **0** | **0** | **22** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | **Total for FINANCE** | | **0** | **150** | **0** | **0** | **150** |
| **GENERAL COUNSEL** | | | | | | | | |
| | **CUSTOMER SERVICE** | | | | | | | |
| | | PCA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PCB | CUST ACCOUNTING & BILLING | 0 | 7 | 0 | 0 | 7 |
| | | PCD | CREDIT | 0 | 3 | 0 | 0 | 3 |
| | | PCF | CUSTOMER FIELD SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | PCG | FIELD SERVICE & COLLECTIONS | 0 | 22 | 0 | 0 | 22 |
| | | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 28 | 0 | 0 | 28 |
| | | PCM | METER READING | 0 | 21 | 0 | 12 | 33 |
| | | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 17 | 0 | 0 | 17 |
| | | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for CUSTOMER SERVICE** | | **0** | **106** | **0** | **12** | **118** |
| | **ENERGY SERVICES** | | | | | | | |
| | | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | | PSF | FORECASTS | 0 | 5 | 0 | 0 | 5 |
| | | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | | PSN | MARKETING SERVICES | 0 | 9 | 0 | 0 | 9 |
| | | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | PSR | CUSTOMER TECH APPLICATIONS | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for ENERGY SERVICES** | | **0** | **42** | **0** | **0** | **42** |
| | **LEGAL** | | | | | | | |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PNC | LEGAL | 0 | 10 | 0 | 0 | 10 |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for LEGAL** | **0** | **14** | **0** | **0** | **14** |
| | **VP GENERAL COUNSEL** | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | **Total for GENERAL COUNSEL** | | | **0** | **164** | **0** | **12** | **176** |
| ***GOVT & COMMUNITY AFFAIRS*** | | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 7 | 0 | 0 | 7 |
| | **GOVERNMENTAL RELATIONS** | | | | | | | |
| | | PNI | GOVERNMENTAL RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **REGULATORY AFFAIRS** | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **VP GOVT & COMMUNITY AFFAIRS** | | | | | | | |
| | | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| | **Total for GOVT & COMMUNITY AFFAIRS** | | | **0** | **19** | **0** | **0** | **19** |
| ***POWER SUPPLY*** | | | | | | | | |
| | **ENVIRONMENTAL** | | | | | | | |
| | | PJA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |
| | | | **Subtotal for ENVIRONMENTAL** | **0** | **21** | **0** | **0** | **21** |
| | **POWER SUPPLY ENGINEERING** | | | | | | | |
| | | PBO | TRANSMISSION PLANNING | 0 | 7 | 0 | 0 | 7 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PIE | TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PYB | GENERATION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | | PYF | POWER PLANT ELECT ENGRG | 0 | 4 | 0 | 0 | 4 |
| | | PYG | POWER PLANT DRAFTING | 0 | 1 | 0 | 0 | 1 |
| | | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | | PYM | POWR PLANT MECH ENGRG | 0 | 7 | 0 | 0 | 7 |
| | | PYP | INTEGRATED RESOURCE PLANNING | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **47** | **0** | **0** | **47** |
| | **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | | PIB | O&M ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | | PIK | KAHE STATION OPERATIONS | 1 | 58 | 0 | 0 | 59 |
| | | PIL | KAHE STATION MAINTENANCE | 0 | 28 | 0 | 0 | 28 |
| | | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | | PIO | OPERATIONS ADMINISTRATION | 0 | 1 | 0 | 0 | 1 |
| | | PIP | PLANNING | 0 | 14 | 0 | 0 | 14 |
| | | PIT | TRAVELING MAINTENANCE | 0 | 64 | 0 | 0 | 64 |
| | | PIW | WAIAU STATION OPERATIONS | 0 | 53 | 0 | 0 | 53 |
| | | PIX | WAIAU STATION MAINTENANCE | 0 | 21 | 0 | 0 | 21 |
| | | | **Subtotal for POWER SUPPLY OPER & MAINT** | **1** | **272** | **0** | **0** | **273** |
| | **POWER SUPPLY SERVICES** | | | | | | | |
| | | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIC | POWER PURCHASE | 0 | 6 | 0 | 0 | 6 |
| | | PIF | FUEL RESOURCES | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for POWER SUPPLY SERVICES** | **0** | **11** | **0** | **0** | **11** |

**VP POWER SUPPLY**

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | P7V | VP POWER SUPPLY | 0 | 2 | 0 | 0 | 2 |
| **Total for POWER SUPPLY** | | | | **1** | **353** | **0** | **0** | **354** |
| ***PRESIDENT - HECO*** | | | | | | | | |
| **INTERNAL AUDIT** | | | | | | | | |
| | | PNA | INTERNAL AUDIT | 0 | 4 | 0 | 0 | 4 |
| **PRESIDENT'S OFFICE** | | | | | | | | |
| | | P9P | PRESIDENT'S OFFICE | 0 | 3 | 0 | 0 | 3 |
| **Total for PRESIDENT - HECO** | | | | **0** | **7** | **0** | **0** | **7** |
| ***SR VP ENERGY SOLUTIONS*** | | | | | | | | |
| **ENERGY PROJECTS** | | | | | | | | |
| | | PNG | ENERGY PROJECTS | 0 | 1 | 0 | 0 | 1 |
| **SR VP ENERGY SOLUTIONS** | | | | | | | | |
| | | P9S | SR VP ENERGY SOLUTIONS | 0 | 3 | 0 | 0 | 3 |
| **TECHNOLOGY** | | | | | | | | |
| | | PNR | TECHNOLOGY | 0 | 2 | 0 | 0 | 2 |
| **Total for SR VP ENERGY SOLUTIONS** | | | | **0** | **6** | **0** | **0** | **6** |
| ***SR VP OPERATIONS*** | | | | | | | | |
| **SR VP OPERATIONS** | | | | | | | | |
| | | P8V | SR VP OPERATIONS | 0 | 2 | 0 | 0 | 2 |
| **Total for SR VP OPERATIONS** | | | | **0** | **2** | **0** | **0** | **2** |
| ***SR VP PUBLIC AFFAIRS*** | | | | | | | | |
| **SR VP PUBLIC AFFAIRS** | | | | | | | | |
| | | P9V | SR VP PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |

# ›yee Count by Department/Division within VP Function as of 12/31/2002

*sOfDate:* 12/31/2002
*istrict:* P HAWAIIAN ELECTRIC COMPANY *Department:* *
*P Function:* * *Division:* *

**COMPANY:**

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 3R VP PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |
| ECTRIC COMPANY | 8 | 1301 | 1 | 14 | 1322 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2002

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2002 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **Enterprise Total:** | | | 6 | 1301 | 1 | 14 | 1322 |

# Employee Count by Department/Division within VP Function as of 03/31/2003

*AsOfDate:* 03/31/2003
*District:* P *HAWAIIAN ELECTRIC COMPANY* *Department:* *
*VP Function:* * *Division:* *

## LECTRIC COMPANY:

| PT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **EXCELLENCE** | | | | | | | |
| **OMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 9 | 0 | 0 | 9 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **14** | **0** | **0** | **14** |
| **IDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **AFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 10 | 0 | 0 | 10 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 15 | 0 | 0 | 15 |
| | PHF | FACILITIES PLANNING | 0 | 4 | 0 | 0 | 4 |
| | PHS | SECURITY | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **41** | **0** | **0** | **41** |
| **P CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **ORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **16** | **0** | **0** | **16** |
| | | **al for CORPORATE EXCELLENCE** | **0** | **82** | **0** | **0** | **82** |

## E RELATIONS

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

AsOfDate: 03/31/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | **CORPORATE COMMUNICATIONS** | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 9 | 1 | 0 | 10 |
| | **VP CORPORATE RELATIONS** | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | **0** | **11** | **1** | **0** | **12** |
| **ENERGY DELIVERY** | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | |
| | PDA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PDC | CONTROL SECTION | 0 | 7 | 0 | 0 | 7 |
| | PDD | TRAINING SECTION | 0 | 18 | 0 | 0 | 18 |
| | PDF | FIELD OPERATION | 0 | 21 | 0 | 0 | 21 |
| | PDH | CUSTOMER DEMAND | 0 | 2 | 0 | 0 | 2 |
| | PDJ | WEST OVERHEAD | 0 | 54 | 0 | 0 | 54 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 16 | 0 | 0 | 16 |
| | PDL | EAST OVERHEAD-WARD | 0 | 38 | 0 | 0 | 38 |
| | PDM | MAINTENANCE DEMAND | 0 | 3 | 0 | 0 | 3 |
| | PDP | PLANNING | 0 | 3 | 0 | 0 | 3 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDU | UNDERGROUND | 0 | 27 | 0 | 0 | 27 |
| | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **0** | **205** | **0** | **0** | **205** |
| | **ENGINEERING** | | | | | | |
| | PBA | ADMINISTRATION | 0 | 8 | 0 | 0 | 8 |
| | PBE | T&D ENGINEERING | 0 | 20 | 0 | 0 | 20 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 18 | 0 | 0 | 18 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 11 | 0 | 0 | 11 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

AsOfDate: 03/31/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| | | Subtotal for ENGINEERING | 0 | 75 | 0 | 0 | 75 |
| PROJECT MANAGEMENT | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| SUPPORT SERVICES | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PVF | FLEET | 0 | 22 | 0 | 2 | 24 |
| | PVL | ELECTRICAL & WELDING SERVICES | 0 | 13 | 0 | 0 | 13 |
| | PVM | MATERIALS MANAGEMENT | 0 | 27 | 0 | 0 | 27 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | Subtotal for SUPPORT SERVICES | 0 | 76 | 0 | 2 | 78 |
| SYSTEM OPERATION | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 20 | 0 | 0 | 20 |
| | PRE | OPERATING ENGINEERING | 0 | 12 | 0 | 0 | 12 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 30 | 0 | 0 | 30 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 4 | 0 | 0 | 4 |
| | | Subtotal for SYSTEM OPERATION | 0 | 96 | 0 | 0 | 96 |
| VP ENERGY DELIVERY | | | | | | | |
| | P2V | VP ENERGY DELIVERY | 0 | 3 | 0 | 0 | 3 |
| Total for ENERGY DELIVERY | | | 0 | 461 | 0 | 2 | 463 |
| FINANCE | | | | | | | |
| FINANCIAL VICE PRESIDENT | | | | | | | |
| | P4V | FINANCIAL VICE PRESIDENT | 0 | 2 | 0 | 0 | 2 |

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# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **GENERAL ACCOUNTING** | | | | | | | |
| | PAA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | PAD | COST ACCOUNTING | 0 | 9 | 0 | 0 | 9 |
| | PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for GENERAL ACCOUNTING** | **0** | **24** | **0** | **0** | **24** |
| **INFO TECHNOLOGY & SVCS** | | | | | | | |
| | PEA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PEB | ADMIN-OFFICE SERVICES | 0 | 1 | 0 | 0 | 1 |
| | PEC | CUSTOMER CARE | 0 | 15 | 0 | 0 | 15 |
| | PED | DEVELOPMENT SERVICES | 0 | 31 | 0 | 0 | 31 |
| | PEI | INFRASTRUCTURE & OPERATIONS | 0 | 22 | 0 | 0 | 22 |
| | PEM | MAILING SERVICES | 0 | 9 | 0 | 0 | 9 |
| | PEP | PROJECT & BUSINESS MGMT | 0 | 9 | 0 | 0 | 9 |
| | PER | PUBLISHING & RECORDS SERVICES | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for INFO TECHNOLOGY & SVCS** | **0** | **94** | **0** | **0** | **94** |
| **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PKS | SECURITIES | 0 | 1 | 0 | 0 | 1 |
| | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | **0** | **21** | **0** | **0** | **21** |
| **RISK MANAGEMENT** | | | | | | | |
| | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | **Total for FINANCE** | **0** | **150** | **0** | **0** | **150** |

**GENERAL COUNSEL**

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | **LEGAL** | | | | | | |
| | PNC | LEGAL | 0 | 9 | 0 | 0 | 9 |
| | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for LEGAL** | **0** | **13** | **0** | **0** | **13** |
| | **VP GENERAL COUNSEL** | | | | | | |
| | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | **Total for GENERAL COUNSEL** | | **0** | **15** | **0** | **0** | **15** |
| ***GOVT & COMMUNITY AFFAIRS*** | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | |
| | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 7 | 0 | 0 | 7 |
| | **GOVERNMENTAL RELATIONS** | | | | | | |
| | PNI | GOVERNMENTAL RELATIONS | 0 | 2 | 0 | 1 | 3 |
| | **REGULATORY AFFAIRS** | | | | | | |
| | PNP | REGULATORY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **VP GOVT & COMMUNITY AFFAIRS** | | | | | | |
| | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 4 | 0 | 0 | 4 |
| | **Total for GOVT & COMMUNITY AFFAIRS** | | **0** | **19** | **0** | **1** | **20** |
| ***POWER SUPPLY*** | | | | | | | |
| | **ENVIRONMENTAL** | | | | | | |
| | PJA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for ENVIRONMENTAL** | **0** | **22** | **0** | **0** | **22** |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **POWER SUPPLY ENGINEERING** | | | | | | | |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYB | GENERATION PLANNING | 0 | 9 | 0 | 0 | 9 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYE | PS TECHNICAL SERVICES | 0 | 7 | 0 | 0 | 7 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 5 | 0 | 0 | 5 |
| | PYG | POWER PLANT DRAFTING | 0 | 1 | 0 | 0 | 1 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 5 | 0 | 0 | 5 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 7 | 0 | 0 | 7 |
| | PYT | TRANSMISSION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **47** | **0** | **0** | **47** |
| **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PIH | HONOLULU STATION OPERATIONS | 0 | 16 | 0 | 0 | 16 |
| | PIK | KAHE STATION OPERATIONS | 0 | 59 | 0 | 0 | 59 |
| | PIL | KAHE STATION MAINTENANCE | 0 | 27 | 0 | 0 | 27 |
| | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | PIO | OPERATIONS ADMINISTRATION | 0 | 1 | 0 | 0 | 1 |
| | PIP | PLANNING | 0 | 14 | 0 | 0 | 14 |
| | PIT | TRAVELING MAINTENANCE | 0 | 64 | 0 | 0 | 64 |
| | PIW | WAIAU STATION OPERATIONS | 1 | 52 | 0 | 0 | 53 |
| | PIX | WAIAU STATION MAINTENANCE | 0 | 21 | 0 | 0 | 21 |
| | | **Subtotal for POWER SUPPLY OPER & MAINT** | **1** | **270** | **0** | **0** | **271** |
| **POWER SUPPLY SERVICES** | | | | | | | |
| | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIC | POWER PURCHASE | 0 | 6 | 0 | 0 | 6 |
| | PIF | FUEL RESOURCES | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for POWER SUPPLY SERVICES** | **0** | **11** | **0** | **0** | **11** |

03 TOTAL 2 353 5 3 8 10 2 25 10 47 3 2 6 5 6 10 3 11 7 of 10

*n as of 03/31/2003*

| TEMPORARY | TOTAL |
|---|---|
| **0** | **43** |
| 0 | 2 |
| 0 | 3 |
| 0 | 2 |
| **0** | **100** |
| 0 | 3 |
| 0 | 7 |
| 0 | 3 |
| 0 | 2 |
| 0 | 23 |
| 0 | 27 |
| 13 | 32 |
| 0 | 17 |
| 0 | 3 |
| **13** | **117** |
| 0 | 2 |
| **13** | **119** |
| 0 | 2 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Total for SR VP PUBLIC AFFAIRS | | | 0 | 2 | 0 | 0 | 2 |
| Total for HAWAIIAN ELECTRIC COMPANY | | | 3 | 1304 | 1 | 16 | 1324 |

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# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 3 | 1304 | 1 | 16 | 1324 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

AsOfDate: 06/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **13** | **0** | **0** | **13** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 15 | 0 | 0 | 15 |
| | PHF | FACILITIES PLANNING | 0 | 4 | 0 | 0 | 4 |
| | PHS | SECURITY | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **42** | **0** | **0** | **42** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 8 | 0 | 0 | 8 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **16** | **0** | **0** | **16** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **82** | **0** | **0** | **82** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

AsOfDate: 06/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE COMMUNICATIONS** | | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 9 | 1 | 0 | 10 |
| **VP CORPORATE RELATIONS** | | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| **Total for CORPORATE RELATIONS** | | | **0** | **11** | **1** | **0** | **12** |
| **ENERGY DELIVERY** | | | | | | | |
| **CONSTRUCTION & MAINTENANCE** | | | | | | | |
| | PDA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PDC | CONTROL SECTION | 0 | 9 | 0 | 0 | 9 |
| | PDD | TRAINING SECTION | 0 | 16 | 0 | 0 | 16 |
| | PDF | FIELD OPERATION | 0 | 21 | 0 | 0 | 21 |
| | PDH | CUSTOMER DEMAND | 0 | 2 | 0 | 0 | 2 |
| | PDJ | WEST OVERHEAD | 0 | 51 | 0 | 0 | 51 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 17 | 0 | 0 | 17 |
| | PDL | EAST OVERHEAD-WARD | 0 | 39 | 0 | 0 | 39 |
| | PDM | MAINTENANCE DEMAND | 0 | 3 | 0 | 0 | 3 |
| | PDP | PLANNING | 0 | 8 | 0 | 0 | 8 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDU | UNDERGROUND | 0 | 26 | 0 | 0 | 26 |
| | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **0** | **205** | **0** | **0** | **205** |
| **ENGINEERING** | | | | | | | |
| | PBA | ADMINISTRATION | 0 | 8 | 0 | 0 | 8 |
| | PBE | T&D ENGINEERING | 0 | 20 | 0 | 0 | 20 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 18 | 0 | 0 | 18 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 11 | 0 | 0 | 11 |

# ɔyee Count by Department/Division within VP Function as of 06/30/2003

*sOfDate:* 06/30/2003
*istrict:* P HAWAIIAN ELECTRIC COMPANY *Department:* *
*'P Function:* * *Division:* *

**COMPANY:**

| | | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|---|
| | | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | **Subtotal for ENGINEERING** | 0 | 75 | 0 | 0 | 75 |
| **MANAGEMENT** | | | | | | |
| P | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| **SERVICES** | | | | | | |
| A | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| F | FLEET | 0 | 23 | 0 | 1 | 24 |
| L | ELECTRICAL & WELDING SERVICES | 0 | 13 | 0 | 0 | 13 |
| M | MATERIALS MANAGEMENT | 0 | 26 | 0 | 0 | 26 |
| P | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | **Subtotal for SUPPORT SERVICES** | 0 | 76 | 0 | 1 | 77 |
| **ɔPERATION** | | | | | | |
| IA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| IC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| ID | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| IE | OPERATING ENGINEERING | 0 | 11 | 0 | 0 | 11 |
| II | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| IR | RELAY | 0 | 10 | 0 | 0 | 10 |
| IS | SUBSTATION | 1 | 28 | 0 | 0 | 29 |
| IX | CONSTRUCTION MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | **Subtotal for SYSTEM OPERATION** | 1 | 92 | 0 | 0 | 93 |
| **ɜY DELIVERY** | | | | | | |
| :V | VP ENERGY DELIVERY | 0 | 3 | 0 | 0 | 3 |
| **r ENERGY DELIVERY** | | 1 | 457 | 0 | 1 | 459 |
| **L VICE PRESIDENT** | | | | | | |
| IV | FINANCIAL VICE PRESIDENT | 0 | 3 | 0 | 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

Report Parameters

AsOfDate: 06/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | **GENERAL ACCOUNTING** | | | | | | | |
| | | PAA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | PAD | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| | | PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for GENERAL ACCOUNTING** | **0** | **25** | **0** | **0** | **25** |
| | **INFO TECHNOLOGY & SVCS** | | | | | | | |
| | | PEA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PEC | CUSTOMER CARE | 0 | 15 | 0 | 0 | 15 |
| | | PED | DEVELOPMENT SERVICES | 0 | 31 | 0 | 0 | 31 |
| | | PEI | INFRASTRUCTURE & OPERATIONS | 0 | 22 | 0 | 0 | 22 |
| | | PEM | MAILING SERVICES | 0 | 8 | 0 | 0 | 8 |
| | | PEP | PROJECT & BUSINESS MGMT | 0 | 9 | 0 | 0 | 9 |
| | | PER | PUBLISHING & RECORDS SERVICES | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for INFO TECHNOLOGY & SVCS** | **0** | **91** | **0** | **0** | **91** |
| | **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PKS | SECURITIES | 0 | 1 | 0 | 0 | 1 |
| | | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | **0** | **21** | **0** | **0** | **21** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | | **Total for FINANCE** | **0** | **149** | **0** | **0** | **149** |

**GENERAL COUNSEL**

003 TOTAL 10 4 14 2 16 7 2 6 4 19 4 6 6 6 22 e 5 of 10

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

AsOfDate: 06/30/2003
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **POWER SUPPLY ENGINEERING** | | | | | | | |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYB | GENERATION PLANNING | 0 | 9 | 0 | 0 | 9 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYE | PS TECHNICAL SERVICES | 0 | 7 | 0 | 0 | 7 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 5 | 0 | 0 | 5 |
| | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 7 | 0 | 0 | 7 |
| | PYT | TRANSMISSION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **47** | **0** | **0** | **47** |
| **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PIH | HONOLULU STATION OPERATIONS | 0 | 16 | 0 | 0 | 16 |
| | PIK | KAHE STATION OPERATIONS | 0 | 59 | 0 | 0 | 59 |
| | PIL | KAHE STATION MAINTENANCE | 0 | 28 | 0 | 0 | 28 |
| | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | PIO | OPERATIONS ADMINISTRATION | 0 | 1 | 0 | 0 | 1 |
| | PIP | PLANNING | 0 | 14 | 0 | 0 | 14 |
| | PIT | TRAVELING MAINTENANCE | 0 | 64 | 0 | 0 | 64 |
| | PIW | WAIAU STATION OPERATIONS | 1 | 50 | 0 | 0 | 51 |
| | PIX | WAIAU STATION MAINTENANCE | 0 | 21 | 0 | 0 | 21 |
| | | **Subtotal for POWER SUPPLY OPER & MAINT** | **1** | **269** | **0** | **0** | **270** |
| **POWER SUPPLY SERVICES** | | | | | | | |
| | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIC | POWER PURCHASE | 0 | 6 | 0 | 0 | 6 |
| | PIF | FUEL RESOURCES | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for POWER SUPPLY SERVICES** | **0** | **12** | **0** | **0** | **12** |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

AsOfDate: 06/30/2003
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| VP POWER SUPPLY | | | | | | | |
| | P7V | VP POWER SUPPLY | 0 | 2 | 0 | 0 | 2 |
| Total for POWER SUPPLY | | | 1 | 352 | 0 | 0 | 353 |
| PRESIDENT - HECO | | | | | | | |
| INTERNAL AUDIT | | | | | | | |
| | PNA | INTERNAL AUDIT | 0 | 5 | 0 | 0 | 5 |
| PRESIDENT'S OFFICE | | | | | | | |
| | P9P | PRESIDENT'S OFFICE | 0 | 3 | 0 | 0 | 3 |
| Total for PRESIDENT - HECO | | | 0 | 8 | 0 | 0 | 8 |
| SR VP ENERGY SOLUTIONS | | | | | | | |
| CUSTOMER INSTALLATION | | | | | | | |
| | PWA | ADMINISTRATION | 0 | 9 | 0 | 0 | 9 |
| | PWP | PLANNING & DESIGN | 1 | 24 | 0 | 0 | 25 |
| | PWX | ENGINEERING & METER | 0 | 10 | 0 | 0 | 10 |
| Subtotal for CUSTOMER INSTALLATION | | | 1 | 43 | 0 | 0 | 44 |
| ENERGY PROJECTS | | | | | | | |
| | PNG | ENERGY PROJECTS | 0 | 5 | 0 | 0 | 5 |
| ENERGY SERVICES | | | | | | | |
| | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | PSF | FORECASTS | 0 | 5 | 0 | 0 | 5 |
| | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | PSR | CUSTOMER TECH APPLICATIONS | 0 | 9 | 0 | 0 | 9 |
| Subtotal for ENERGY SERVICES | | | 0 | 41 | 0 | 0 | 41 |

| 2003 | TOTAL | | |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Total for HAWAIIAN ELECTRIC COMPANY | | | 4 | 1297 | 1 | 14 | 1316 |

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# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 4 | 1297 | 1 | 14 | 1316 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2003

Report Parameters
AsOfDate: 09/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **CORPORATE EXCELLENCE** | | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | | |
| | | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | | PFC | COMPENSATION | 0 | 1 | 0 | 0 | 1 |
| | | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **12** | **0** | **0** | **12** |
| **INDUSTRIAL RELATIONS** | | | | | | | | |
| | | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | | |
| | | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PHB | FACILITIES OPERATIONS | 0 | 15 | 0 | 0 | 15 |
| | | PHF | FACILITIES PLANNING | 0 | 4 | 0 | 0 | 4 |
| | | PHS | SECURITY | 1 | 9 | 0 | 0 | 10 |
| | | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **1** | **41** | **0** | **0** | **42** |
| **VP CORPORATE EXCELLENCE** | | | | | | | | |
| | | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | | |
| | | PFA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PFD | CLIENT SERVICES & CONSULTING | 0 | 5 | 0 | 0 | 5 |
| | | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **15** | **0** | **0** | **15** |
| **Total for CORPORATE EXCELLENCE** | | | | **1** | **79** | **0** | **0** | **80** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2003

**Report Parameters**

AsOfDate: 09/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | **CORPORATE COMMUNICATIONS** | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 9 | 1 | 0 | 10 |
| | **VP CORPORATE RELATIONS** | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | **0** | **11** | **1** | **0** | **12** |
| **ENERGY DELIVERY** | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | |
| | PDA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PDC | CONTROL SECTION | 0 | 9 | 0 | 0 | 9 |
| | PDD | TRAINING SECTION | 0 | 11 | 0 | 0 | 11 |
| | PDF | FIELD OPERATION | 0 | 20 | 0 | 0 | 20 |
| | PDH | CUSTOMER DEMAND | 0 | 5 | 0 | 0 | 5 |
| | PDJ | WEST OVERHEAD | 0 | 51 | 0 | 0 | 51 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 19 | 0 | 0 | 19 |
| | PDL | EAST OVERHEAD-WARD | 0 | 38 | 0 | 0 | 38 |
| | PDM | MAINTENANCE DEMAND | 0 | 3 | 0 | 0 | 3 |
| | PDP | PLANNING | 0 | 6 | 0 | 0 | 6 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDU | UNDERGROUND | 0 | 25 | 0 | 0 | 25 |
| | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **0** | **200** | **0** | **0** | **200** |
| | **ENGINEERING** | | | | | | |
| | PBA | ADMINISTRATION | 0 | 8 | 0 | 0 | 8 |
| | PBE | T&D ENGINEERING | 0 | 19 | 0 | 0 | 19 |
| | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 18 | 0 | 0 | 18 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 11 | 0 | 0 | 11 |

'30/2003

| TOTAL |
| --- |
| 74 |
| 6 |
| 5 |
| 24 |
| 13 |
| 26 |
| 9 |
| 77 |
| 5 |
| 8 |
| 22 |
| 11 |
| 6 |
| 10 |
| 29 |
| 3 |
| 94 |
| 3 |
| 454 |
| 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2003

Report Parameters

AsOfDate: 09/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | **GENERAL ACCOUNTING** | | | | | | | |
| | | PAA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | PAD | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| | | PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for GENERAL ACCOUNTING** | **0** | **25** | **0** | **0** | **25** |
| | **INFO TECHNOLOGY & SVCS** | | | | | | | |
| | | PEA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PEC | CUSTOMER CARE | 0 | 15 | 0 | 0 | 15 |
| | | PED | DEVELOPMENT SERVICES | 0 | 31 | 0 | 0 | 31 |
| | | PEI | INFRASTRUCTURE & OPERATIONS | 0 | 21 | 0 | 0 | 21 |
| | | PEM | MAILING SERVICES | 0 | 9 | 0 | 0 | 9 |
| | | PEP | PROJECT & BUSINESS MGMT | 0 | 9 | 0 | 0 | 9 |
| | | PER | PUBLISHING & RECORDS SERVICES | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for INFO TECHNOLOGY & SVCS** | **0** | **91** | **0** | **0** | **91** |
| | **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PKS | SECURITIES | 0 | 1 | 0 | 0 | 1 |
| | | PKT | TREASURY | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | **0** | **21** | **0** | **0** | **21** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | | **Total for FINANCE** | **1** | **148** | **0** | **0** | **149** |

## GENERAL COUNSEL

## ion within VP Function as of 09/30/2003

*Department:* *
*Division:* *

| | EMPLOYEE TYPE | | | |
|---|---|---|---|---|
| VE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 0 | 10 | 0 | 0 | 10 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 14 | 0 | 0 | 14 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 16 | 0 | 0 | 16 |
| 0 | 7 | 0 | 0 | 7 |
| 0 | 2 | 0 | 0 | 2 |
| 0 | 6 | 0 | 0 | 6 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 19 | 0 | 0 | 19 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 5 | 0 | 0 | 5 |
| 0 | 6 | 0 | 0 | 6 |
| 0 | 5 | 0 | 0 | 5 |
| 0 | 20 | 0 | 0 | 20 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2003

Report Parameters
AsOfDate: 09/30/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | **POWER SUPPLY ENGINEERING** | | | | | | | |
| | | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PYB | GENERATION PLANNING | 0 | 9 | 0 | 0 | 9 |
| | | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | | PYE | PS TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | | PYF | POWER PLANT ELECT ENGRG | 0 | 6 | 0 | 0 | 6 |
| | | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | | PYM | POWR PLANT MECH ENGRG | 0 | 8 | 0 | 0 | 8 |
| | | PYT | TRANSMISSION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **50** | **0** | **0** | **50** |
| | **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | | PIB | O&M ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | | PIH | HONOLULU STATION OPERATIONS | 0 | 16 | 0 | 0 | 16 |
| | | PIK | KAHE STATION OPERATIONS | 0 | 59 | 0 | 0 | 59 |
| | | PIL | KAHE STATION MAINTENANCE | 0 | 28 | 0 | 0 | 28 |
| | | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | | PIP | PLANNING | 0 | 13 | 0 | 0 | 13 |
| | | PIT | TRAVELING MAINTENANCE | 0 | 63 | 0 | 0 | 63 |
| | | PIW | WAIAU STATION OPERATIONS | 0 | 51 | 0 | 0 | 51 |
| | | PIX | WAIAU STATION MAINTENANCE | 0 | 22 | 0 | 0 | 22 |
| | | | **Subtotal for POWER SUPPLY OPER & MAINT** | **0** | **269** | **0** | **0** | **269** |
| | **POWER SUPPLY SERVICES** | | | | | | | |
| | | PIA | SERVICES ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PIC | POWER PURCHASE | 0 | 5 | 0 | 0 | 5 |
| | | PIF | FUEL RESOURCES | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for POWER SUPPLY SERVICES** | **0** | **11** | **0** | **0** | **11** |
| | **VP POWER SUPPLY** | | | | | | | |

# nent/Division within VP Function as of 09/30/2003

RIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 352 | 0 | 0 | 352 |
| | 0 | 5 | 0 | 0 | 5 |
| | 0 | 3 | 0 | 0 | 3 |
| | 0 | 8 | 0 | 0 | 8 |
| | 0 | 9 | 0 | 0 | 9 |
| | 1 | 23 | 0 | 0 | 24 |
| | 0 | 10 | 0 | 0 | 10 |
| TION | 1 | 42 | 0 | 0 | 43 |
| | 0 | 5 | 0 | 0 | 5 |
| | 0 | 2 | 0 | 0 | 2 |
| | 0 | 6 | 0 | 0 | 6 |
| | 0 | 5 | 0 | 0 | 5 |
| | 0 | 6 | 0 | 0 | 6 |
| | 0 | 10 | 0 | 0 | 10 |
| | 0 | 3 | 0 | 0 | 3 |
| | 0 | 9 | 0 | 0 | 9 |
| CES | 0 | 41 | 0 | 0 | 41 |

# ›unt by Department/Division within VP Function as of 09/30/2003

09/30/2003
P HAWAIIAN ELECTRIC COMPANY Department: *
* Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| GRATED RESOURCE PLANNING | 0 | 3 | 0 | 0 | 3 |
| TIONS | | | | | |
| ENERGY SOLUTIONS | 0 | 3 | 0 | 0 | 3 |
| NOLOGY | 0 | 2 | 0 | 0 | 2 |
| **SOLUTIONS** | **1** | **96** | **0** | **0** | **97** |
| NISTRATION | 0 | 3 | 0 | 0 | 3 |
| ACCOUNTING & BILLING | 0 | 5 | 0 | 0 | 5 |
| IT | 0 | 2 | 0 | 0 | 2 |
| OMER FIELD SERVICES | 0 | 3 | 0 | 0 | 3 |
| SERVICE & COLLECTIONS | 0 | 23 | 0 | 0 | 23 |
| OMER ASSISTANCE CENTER | 0 | 27 | 0 | 0 | 27 |
| R READING | 0 | 19 | 0 | 14 | 33 |
| T PROCESS & SUPPORT CTR | 0 | 16 | 0 | 0 | 16 |
| OMER ACCOUNT SERVICES | 0 | 3 | 0 | 0 | 3 |
| **ubtotal for CUSTOMER SERVICE** | **0** | **101** | **0** | **14** | **115** |
| P OPERATIONS | 0 | 2 | 0 | 0 | 2 |
| **RATIONS** | **0** | **103** | **0** | **14** | **117** |
| RS | | | | | |
| P PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |
| **IC AFFAIRS** | **0** | **2** | **0** | **0** | **2** |

## ction as of 09/30/2003

| TIME | TEMPORARY | TOTAL |
|---|---|---|
| 1 | 15 | 1306 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 3 | 1287 | 1 | 15 | 1306 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **13** | **0** | **0** | **13** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 15 | 0 | 0 | 15 |
| | PHF | FACILITIES PLANNING | 0 | 4 | 0 | 0 | 4 |
| | PHS | SECURITY | 1 | 9 | 0 | 0 | 10 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **1** | **41** | **0** | **0** | **42** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 5 | 0 | 0 | 5 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 1 | 4 | 0 | 0 | 5 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **1** | **14** | **0** | **0** | **15** |
| | | **Total for CORPORATE EXCELLENCE** | **2** | **79** | **0** | **0** | **81** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| | **CORPORATE COMMUNICATIONS** | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 9 | 1 | 0 | 10 |
| | **VP CORPORATE RELATIONS** | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | **0** | **11** | **1** | **0** | **12** |
| **ENERGY DELIVERY** | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | |
| | PDA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PDC | CONTROL SECTION | 0 | 8 | 0 | 0 | 8 |
| | PDD | TRAINING SECTION | 0 | 16 | 0 | 0 | 16 |
| | PDF | FIELD OPERATION | 0 | 23 | 0 | 0 | 23 |
| | PDH | CUSTOMER DEMAND | 0 | 5 | 0 | 0 | 5 |
| | PDJ | WEST OVERHEAD | 0 | 51 | 0 | 0 | 51 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 19 | 0 | 0 | 19 |
| | PDL | EAST OVERHEAD-WARD | 0 | 35 | 0 | 0 | 35 |
| | PDM | MAINTENANCE DEMAND | 0 | 2 | 0 | 0 | 2 |
| | PDP | PLANNING | 0 | 6 | 0 | 0 | 6 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDU | UNDERGROUND | 0 | 23 | 0 | 0 | 23 |
| | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **0** | **201** | **0** | **0** | **201** |
| | **ENGINEERING** | | | | | | |
| | PBA | ADMINISTRATION | 0 | 8 | 0 | 0 | 8 |
| | PBE | T&D ENGINEERING | 0 | 20 | 0 | 0 | 20 |
| | PBT | STRUCTURAL | 0 | 17 | 0 | 0 | 17 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 18 | 0 | 0 | 18 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | | **Subtotal for ENGINEERING** | **0** | **72** | **0** | **0** | **72** |
| | **PROJECT MANAGEMENT** | | | | | | | |
| | | PBP | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| | **SUPPORT SERVICES** | | | | | | | |
| | | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PVF | FLEET | 0 | 22 | 0 | 1 | 23 |
| | | PVL | ELECTRICAL & WELDING SERVICES | 0 | 13 | 0 | 0 | 13 |
| | | PVM | MATERIALS MANAGEMENT | 0 | 26 | 0 | 0 | 26 |
| | | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | | **Subtotal for SUPPORT SERVICES** | **0** | **75** | **0** | **1** | **76** |
| | **SYSTEM OPERATION** | | | | | | | |
| | | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | | PRD | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | | PRE | OPERATING ENGINEERING | 0 | 10 | 0 | 0 | 10 |
| | | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | | PRS | SUBSTATION | 0 | 29 | 0 | 0 | 29 |
| | | PRX | CONSTRUCTION MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for SYSTEM OPERATION** | **0** | **93** | **0** | **0** | **93** |
| | **VP ENERGY DELIVERY** | | | | | | | |
| | | P2V | VP ENERGY DELIVERY | 0 | 3 | 0 | 0 | 3 |
| | | | **Total for ENERGY DELIVERY** | **0** | **450** | **0** | **1** | **451** |

## FINANCE

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | **FINANCIAL VICE PRESIDENT** | | | | | | | |
| | | P4V | FINANCIAL VICE PRESIDENT | 0 | 3 | 0 | 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **GENERAL ACCOUNTING** | | | | | | | |
| | PAA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PAC | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | PAD | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| | PAT | PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | | **Subtotal for GENERAL ACCOUNTING** | **0** | **25** | **0** | **0** | **25** |
| **INFO TECHNOLOGY & SVCS** | | | | | | | |
| | PEA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PEC | CUSTOMER CARE | 0 | 15 | 0 | 0 | 15 |
| | PED | DEVELOPMENT SERVICES | 0 | 30 | 0 | 0 | 30 |
| | PEI | INFRASTRUCTURE & OPERATIONS | 0 | 22 | 0 | 0 | 22 |
| | PEM | MAILING SERVICES | 0 | 6 | 0 | 0 | 6 |
| | PEP | PROJECT & BUSINESS MGMT | 0 | 9 | 0 | 0 | 9 |
| | PER | PUBLISHING & RECORDS SERVICES | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for INFO TECHNOLOGY & SVCS** | **0** | **88** | **0** | **0** | **88** |
| **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PKS | SECURITIES | 0 | 1 | 0 | 0 | 1 |
| | PKT | TREASURY | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | **0** | **22** | **0** | **0** | **22** |
| **RISK MANAGEMENT** | | | | | | | |
| | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | **Total for FINANCE** | **0** | **147** | **0** | **0** | **147** |

**GENERAL COUNSEL**

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# -2 Employee Count by Department/Division within VP Function as of 12/31/2003

rameters AsOfDate: 12/31/2003
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

IIAN ELECTRIC COMPANY:

| ION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | LEGAL | | | | | | | |
| | | PNC | LEGAL | 0 | 10 | 0 | 0 | 10 |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | | | Subtotal for LEGAL | 0 | 14 | 0 | 0 | 14 |
| | VP GENERAL COUNSEL | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | Total for GENERAL COUNSEL | | | 0 | 16 | 0 | 0 | 16 |
| & COMMUNITY AFFAIRS | | | | | | | | |
| | EDUCATION & CONSUMER AFFAIRS | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 7 | 0 | 0 | 7 |
| | GOVERNMENTAL RELATIONS | | | | | | | |
| | | PNI | GOVERNMENTAL RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | REGULATORY AFFAIRS | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 5 | 0 | 0 | 5 |
| | VP GOVT & COMMUNITY AFFAIRS | | | | | | | |
| | | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 5 | 0 | 0 | 5 |
| | Total for GOVT & COMMUNITY AFFAIRS | | | 0 | 19 | 0 | 0 | 19 |
| ER SUPPLY | | | | | | | | |
| | ENVIRONMENTAL | | | | | | | |
| | | PJA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PJB | AIR QUALITY & NOISE | 0 | 5 | 0 | 0 | 5 |
| | | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |
| | | | Subtotal for ENVIRONMENTAL | 0 | 21 | 0 | 0 | 21 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2003

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2003 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | P7V | VP POWER SUPPLY | 0 | 2 | 0 | 0 | 2 |
| | | **Total for POWER SUPPLY** | | **1** | **345** | **0** | **0** | **346** |
| **PRESIDENT - HECO** | | | | | | | | |
| | **INTERNAL AUDIT** | | | | | | | |
| | | PNA | INTERNAL AUDIT | 0 | 4 | 0 | 0 | 4 |
| | **PRESIDENT'S OFFICE** | | | | | | | |
| | | P9P | PRESIDENT'S OFFICE | 0 | 3 | 0 | 0 | 3 |
| | | **Total for PRESIDENT - HECO** | | **0** | **7** | **0** | **0** | **7** |
| **SR VP ENERGY SOLUTIONS** | | | | | | | | |
| | **CUSTOMER INSTALLATION** | | | | | | | |
| | | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | | PWP | PLANNING & DESIGN | 1 | 23 | 0 | 0 | 24 |
| | | PWX | ENGINEERING & METER | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for CUSTOMER INSTALLATION** | | **1** | **43** | **0** | **0** | **44** |
| | **ENERGY PROJECTS** | | | | | | | |
| | | PNG | ENERGY PROJECTS | 0 | 5 | 0 | 0 | 5 |
| | **ENERGY SERVICES** | | | | | | | |
| | | PSA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | | PSF | FORECASTS | 0 | 4 | 0 | 0 | 4 |
| | | PSM | FORECASTS & RESEARCH | 0 | 6 | 0 | 0 | 6 |
| | | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | PSR | CUSTOMER TECH APPLICATIONS | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for ENERGY SERVICES** | | **0** | **40** | **0** | **0** | **40** |
| | **INTEGRATED RESOURCE PLNG** | | | | | | | |

## n VP Function as of 12/31/2003

*
*

| IPLOYEE TYPE | | | |
|---|---|---|---|
| IME | PART-TIME | TEMPORARY | TOTAL |
| 3 | 0 | 0 | 3 |
| 4 | 0 | 0 | 4 |
| 2 | 0 | 0 | 2 |
| 97 | 0 | 0 | 98 |
| 2 | 0 | 0 | 2 |
| 6 | 0 | 0 | 6 |
| 2 | 0 | 0 | 2 |
| 3 | 0 | 0 | 3 |
| 23 | 0 | 0 | 23 |
| 25 | 0 | 0 | 25 |
| 23 | 0 | 8 | 31 |
| 15 | 0 | 0 | 15 |
| 3 | 0 | 0 | 3 |
| 02 | 0 | 8 | 110 |
| 2 | 0 | 0 | 2 |
| 04 | 0 | 8 | 112 |
| 2 | 0 | 0 | 2 |
| 2 | 0 | 0 | 2 |

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TOTAL
1291
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# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2004

**Report Parameters**

AsOfDate: 03/31/2004
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 8 | 0 | 0 | 8 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **13** | **0** | **0** | **13** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 14 | 0 | 0 | 14 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **41** | **0** | **0** | **41** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 5 | 0 | 0 | 5 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **14** | **0** | **0** | **14** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **79** | **0** | **0** | **79** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 03/31/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | **CORPORATE COMMUNICATIONS** | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 8 | 1 | 0 | 9 |
| | **VP CORPORATE RELATIONS** | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **Total for CORPORATE RELATIONS** | | **0** | **10** | **1** | **0** | **11** |
| **ENERGY DELIVERY** | | | | | | | |
| | **CONSTRUCTION & MAINTENANCE** | | | | | | |
| | PDA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PDC | CONTROL SECTION | 0 | 8 | 0 | 0 | 8 |
| | PDD | TRAINING SECTION | 0 | 23 | 0 | 0 | 23 |
| | PDF | FIELD OPERATION | 0 | 23 | 0 | 0 | 23 |
| | PDH | CUSTOMER DEMAND | 0 | 5 | 0 | 0 | 5 |
| | PDJ | WEST OVERHEAD | 1 | 49 | 0 | 0 | 50 |
| | PDK | EAST OVERHEAD-KOOLAU | 0 | 20 | 0 | 0 | 20 |
| | PDL | EAST OVERHEAD-WARD | 0 | 34 | 0 | 0 | 34 |
| | PDM | MAINTENANCE DEMAND | 0 | 2 | 0 | 0 | 2 |
| | PDP | PLANNING | 0 | 6 | 0 | 0 | 6 |
| | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | PDU | UNDERGROUND | 0 | 23 | 0 | 0 | 23 |
| | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **1** | **207** | **0** | **0** | **208** |
| | **ENGINEERING** | | | | | | |
| | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PBE | T&D ENGINEERING | 1 | 19 | 0 | 0 | 20 |
| | PBT | STRUCTURAL | 1 | 15 | 0 | 0 | 16 |
| | PBY | SUBST,PROTECTION&TELECOM | 0 | 17 | 0 | 0 | 17 |
| | PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2004

**Report Parameters**

AsOfDate: 03/31/2004
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| | | Subtotal for ENGINEERING | 2 | 67 | 0 | 0 | 69 |
| PROJECT MANAGEMENT | | | | | | | |
| | PBP | PROJECT MANAGEMENT | 0 | 6 | 0 | 0 | 6 |
| SUPPORT SERVICES | | | | | | | |
| | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PVF | FLEET | 0 | 21 | 0 | 1 | 22 |
| | PVL | ELECTRICAL & WELDING SERVICES | 1 | 11 | 0 | 0 | 12 |
| | PVM | MATERIALS MANAGEMENT | 0 | 26 | 0 | 0 | 26 |
| | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |
| | | Subtotal for SUPPORT SERVICES | 1 | 72 | 0 | 1 | 74 |
| SYSTEM OPERATION | | | | | | | |
| | PRA | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | COMMUNICATIONS | 0 | 8 | 0 | 0 | 8 |
| | PRD | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | PRE | OPERATING ENGINEERING | 0 | 9 | 0 | 0 | 9 |
| | PRI | INSTRUMENT & CONTROL | 0 | 6 | 0 | 0 | 6 |
| | PRR | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | SUBSTATION | 0 | 28 | 0 | 0 | 28 |
| | PRX | CONSTRUCTION MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | Subtotal for SYSTEM OPERATION | 0 | 91 | 0 | 0 | 91 |
| VP ENERGY DELIVERY | | | | | | | |
| | P2V | VP ENERGY DELIVERY | 0 | 3 | 0 | 0 | 3 |
| Total for ENERGY DELIVERY | | | 4 | 446 | 0 | 1 | 451 |

## FINANCE

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| FINANCIAL VICE PRESIDENT | | | | | | | |
| | P4V | FINANCIAL VICE PRESIDENT | 0 | 3 | 0 | 0 | 3 |

# nt by Department/Division within VP Function as of 03/31/2004

/2004

HAWAIIAN ELECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| RATION | 0 | 5 | 0 | 0 | 5 |
| TE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| OUNTING | 0 | 10 | 0 | 0 | 10 |
| Y ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| **for GENERAL ACCOUNTING** | **0** | **25** | **0** | **0** | **25** |
| **CS** | | | | | |
| RATION | 0 | 2 | 0 | 0 | 2 |
| R CARE | 0 | 15 | 0 | 0 | 15 |
| MENT SERVICES | 0 | 30 | 0 | 0 | 30 |
| UCTURE & OPERATIONS | 0 | 24 | 0 | 0 | 24 |
| ERVICES | 0 | 8 | 0 | 0 | 8 |
| & BUSINESS MGMT | 0 | 10 | 0 | 0 | 10 |
| **INFO TECHNOLOGY & SVCS** | **0** | **89** | **0** | **0** | **89** |
| **FIN SVCS** | | | | | |
| RATION | 0 | 4 | 0 | 0 | 4 |
| | 0 | 6 | 0 | 0 | 6 |
| L ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| INISTRATION | 0 | 3 | 0 | 0 | 3 |
| Y | 0 | 4 | 0 | 0 | 4 |
| **GEMENT ACCTG & FIN SVCS** | **0** | **20** | **0** | **0** | **20** |
| AGEMENT | 0 | 9 | 0 | 0 | 9 |
| | **0** | **146** | **0** | **0** | **146** |
| | 0 | 10 | 0 | 0 | 10 |

2004 TOTAL 3 13 2 15 6 2 5 5 18 4 5 6 6 21 3 9 Page 5 of 10

2004

| TOTAL |
|---|
| 2 |
| 8 |
| 5 |
| 1 |
| 4 |
| 7 |
| 7 |
| 46 |
| |
| 6 |
| 17 |
| 59 |
| 26 |
| 2 |
| 8 |
| 1 |
| 11 |
| 62 |
| 55 |
| 22 |
| 269 |
| |
| 2 |
| 6 |
| 4 |
| 12 |
| |
| 2 |

## nction as of 03/31/2004

| -TIME | TEMPORARY | TOTAL |
|---|---|---|
| 0 | 0 | 350 |
| 0 | 0 | 6 |
| 0 | 0 | 3 |
| 0 | 0 | 9 |
| 0 | 0 | 10 |
| 0 | 0 | 24 |
| 0 | 0 | 10 |
| 0 | 0 | 44 |
| 0 | 0 | 5 |
| 0 | 0 | 2 |
| 0 | 0 | 6 |
| 0 | 0 | 5 |
| 0 | 0 | 6 |
| 0 | 0 | 10 |
| 0 | 0 | 3 |
| 0 | 0 | 8 |
| 0 | 0 | 40 |
| 0 | 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 03/31/2004

**Report Parameters** AsOfDate: 03/31/2004
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **SR VP ENERGY SOLUTIONS** | | | | | | | |
| | P9S | SR VP ENERGY SOLUTIONS | 0 | 4 | 0 | 0 | 4 |
| **TECHNOLOGY** | | | | | | | |
| | PNR | TECHNOLOGY | 0 | 2 | 0 | 0 | 2 |
| **Total for SR VP ENERGY SOLUTIONS** | | | 1 | 97 | 0 | 0 | 98 |
| ***SR VP OPERATIONS*** | | | | | | | |
| **CUSTOMER SERVICE** | | | | | | | |
| | PCA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PCB | CUST ACCOUNTING & BILLING | 0 | 5 | 0 | 0 | 5 |
| | PCD | CREDIT | 0 | 2 | 0 | 0 | 2 |
| | PCF | CUSTOMER FIELD SERVICES | 0 | 3 | 0 | 0 | 3 |
| | PCG | FIELD SERVICE & COLLECTIONS | 0 | 23 | 0 | 0 | 23 |
| | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 25 | 0 | 0 | 25 |
| | PCM | METER READING | 0 | 30 | 0 | 0 | 30 |
| | PCP | PAYMT PROCESS & SUPPORT CTR | 1 | 15 | 0 | 0 | 16 |
| | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | **Subtotal for CUSTOMER SERVICE** | 1 | 109 | 0 | 0 | 110 |
| **SR VP OPERATIONS** | | | | | | | |
| | P8V | SR VP OPERATIONS | 0 | 2 | 0 | 0 | 2 |
| **Total for SR VP OPERATIONS** | | | 1 | 111 | 0 | 0 | 112 |
| ***SR VP PUBLIC AFFAIRS*** | | | | | | | |
| **SR VP PUBLIC AFFAIRS** | | | | | | | |
| | P9V | SR VP PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |
| **Total for SR VP PUBLIC AFFAIRS** | | | 0 | 2 | 0 | 0 | 2 |

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# :partment/Division within VP Function as of 03/31/2004

IAN ELECTRIC COMPANY

Department: *
Division: *

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| | 7 | 1282 | 1 | 1 | 1291 |

## P Function as of 03/31/2004

| E TYPE | | |
|---|---|---|
| PART-TIME | TEMPORARY | TOTAL |
| [illegible] | 1 | 1291 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 9 | 0 | 0 | 9 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **14** | **0** | **0** | **14** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 14 | 0 | 0 | 14 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **41** | **0** | **0** | **41** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 4 | 0 | 1 | 5 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 4 | 0 | 2 | 6 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **14** | **0** | **3** | **17** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **80** | **0** | **3** | **83** |

**CORPORATE RELATIONS**

## within VP Function as of 06/30/2004

partment: *
vision: *

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 8 | 1 | 0 | 9 |
| 2 | 0 | 0 | 2 |
| 10 | 1 | 0 | 11 |
| 7 | 0 | 0 | 7 |
| 3 | 0 | 0 | 3 |
| 6 | 0 | 0 | 6 |
| 3 | 0 | 0 | 3 |
| 12 | 0 | 0 | 12 |
| 9 | 0 | 0 | 9 |
| 2 | 0 | 0 | 2 |
| 10 | 0 | 0 | 10 |
| 1 | 0 | 0 | 1 |
| 41 | 0 | 0 | 41 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PDA | ADMINISTRATION | 0 | 5 | 0 | 1 | 6 |
| | | PDC | CONTROL SECTION | 0 | 9 | 0 | 0 | 9 |
| | | PDD | TRAINING SECTION | 0 | 19 | 0 | 0 | 19 |
| | | PDF | FIELD OPERATION | 0 | 22 | 0 | 0 | 22 |
| | | PDH | CUSTOMER DEMAND | 0 | 5 | 0 | 0 | 5 |
| | | PDJ | WEST OVERHEAD | 3 | 48 | 0 | 0 | 51 |
| | | PDK | EAST OVERHEAD-KOOLAU | 0 | 22 | 0 | 0 | 22 |
| | | PDL | EAST OVERHEAD-WARD | 0 | 40 | 0 | 0 | 40 |
| | | PDM | MAINTENANCE DEMAND | 0 | 2 | 0 | 0 | 2 |
| | | PDP | PLANNING | 0 | 9 | 0 | 0 | 9 |
| | | PDS | SUPPLY DEMAND | 0 | 6 | 0 | 0 | 6 |
| | | PDU | UNDERGROUND | 0 | 23 | 0 | 0 | 23 |
| | | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | | PDZ | SYSTEM DEMAND | 0 | 1 | 0 | 0 | 1 |
| | | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **3** | **213** | **0** | **1** | **217** |
| | **ENGINEERING** | | | | | | | |
| | | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | | PBE | T&D ENGINEERING | 1 | 17 | 0 | 1 | 19 |
| | | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | | PBY | SUBST,PROTECTION&TELECOM | 0 | 20 | 0 | 2 | 22 |
| | | PBZ | T&D TECHNICAL SERVICES | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for ENGINEERING** | | **1** | **72** | **0** | **3** | **76** |
| | **PROJECT MANAGEMENT** | | | | | | | |
| | | PBP | PROJECT MANAGEMENT | 0 | 7 | 0 | 0 | 7 |
| | **SUPPORT SERVICES** | | | | | | | |
| | | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PVF | FLEET | 0 | 22 | 0 | 1 | 23 |
| | | PVL | ELECTRICAL & WELDING SERVICES | 1 | 12 | 0 | 0 | 13 |
| | | PVM | MATERIALS MANAGEMENT | 0 | 25 | 0 | 0 | 25 |
| | | PVP | PURCHASING | 0 | 9 | 0 | 0 | 9 |

| | | |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PEI | INFRASTRUCTURE & OPERATIONS | 0 | 26 | 0 | 0 | 26 |
| | | PEM | MAILING SERVICES | 0 | 6 | 0 | 0 | 6 |
| | | PEP | PROJECT & BUSINESS MGMT | 0 | 10 | 0 | 0 | 10 |
| | | | **Subtotal for INFO TECHNOLOGY & SVCS** | **1** | **86** | **0** | **2** | **89** |
| | **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PKC | BUDGETS | 0 | 7 | 0 | 0 | 7 |
| | | PKF | FINANCIAL ANALYSIS | 0 | 3 | 0 | 0 | 3 |
| | | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PKT | TREASURY | 0 | 4 | 0 | 1 | 5 |
| | | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | **0** | **21** | **0** | **1** | **22** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | | **Total for FINANCE** | **1** | **144** | **0** | **3** | **148** |
| ***GENERAL COUNSEL*** | | | | | | | | |
| | **LEGAL** | | | | | | | |
| | | PNC | LEGAL | 0 | 10 | 0 | 0 | 10 |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for LEGAL** | **0** | **14** | **0** | **0** | **14** |
| | **VP GENERAL COUNSEL** | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | | | **Total for GENERAL COUNSEL** | **0** | **16** | **0** | **0** | **16** |
| ***GOVT & COMMUNITY AFFAIRS*** | | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 6 | 0 | 0 | 6 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | **GOVERNMENTAL RELATIONS** | | | | | | |
| | PNI | GOVERNMENTAL RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | **REGULATORY AFFAIRS** | | | | | | |
| | PNP | REGULATORY AFFAIRS | 0 | 5 | 0 | 0 | 5 |
| | **VP GOVT & COMMUNITY AFFAIRS** | | | | | | |
| | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 5 | 0 | 0 | 5 |
| | **Total for GOVT & COMMUNITY AFFAIRS** | | **0** | **18** | **0** | **0** | **18** |
| ***POWER SUPPLY*** | | | | | | | |
| | **ENVIRONMENTAL** | | | | | | |
| | PJA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PJB | AIR QUALITY & NOISE | 0 | 5 | 0 | 0 | 5 |
| | PJC | CHEMISTRY | 0 | 6 | 0 | 1 | 7 |
| | PJW | WATER & HAZARDOUS MATERIAL | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for ENVIRONMENTAL** | **0** | **21** | **0** | **1** | **22** |
| | **POWER SUPPLY ENGINEERING** | | | | | | |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYB | GENERATION PLANNING | 0 | 9 | 0 | 0 | 9 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYE | PS TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 7 | 0 | 0 | 7 |
| | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 9 | 0 | 0 | 9 |
| | PYT | TRANSMISSION PLANNING | 0 | 8 | 0 | 0 | 8 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **52** | **0** | **0** | **52** |
| | **POWER SUPPLY OPER & MAINT** | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 8 | 0 | 0 | 8 |

| 2004 | TOTAL | 17 | 58 | 27 | 2 | 8 | 1 | 13 | 61 | 55 | 25 | 275 | 2 | 6 | 4 | 12 | 2 | 363 | 6 | 3 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | **CUSTOMER INSTALLATION** | | | | | | | |
| | | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | | PWP | PLANNING & DESIGN | 1 | 20 | 0 | 1 | 22 |
| | | PWX | ENGINEERING & METER | 0 | 10 | 0 | 0 | 10 |
| | | | **Subtotal for CUSTOMER INSTALLATION** | **1** | **40** | **0** | **1** | **42** |
| | **ENERGY PROJECTS** | | | | | | | |
| | | PNG | ENERGY PROJECTS | 0 | 7 | 0 | 0 | 7 |
| | **SR VP ENERGY SOLUTIONS** | | | | | | | |
| | | P9S | SR VP ENERGY SOLUTIONS | 0 | 4 | 0 | 0 | 4 |
| | **TECHNOLOGY** | | | | | | | |
| | | PNR | TECHNOLOGY | 0 | 2 | 0 | 0 | 2 |
| | **Total for SR VP ENERGY SOLUTIONS** | | | **1** | **53** | **0** | **1** | **55** |
| ***SR VP OPERATIONS*** | | | | | | | | |
| | **CUSTOMER SERVICE** | | | | | | | |
| | | PCA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PCB | CUST ACCOUNTING & BILLING | 0 | 6 | 0 | 0 | 6 |
| | | PCD | CREDIT | 0 | 3 | 0 | 0 | 3 |
| | | PCF | CUSTOMER FIELD SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | PCG | FIELD SERVICE & COLLECTIONS | 0 | 25 | 0 | 1 | 26 |
| | | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 27 | 0 | 0 | 27 |
| | | PCM | METER READING | 0 | 29 | 0 | 0 | 29 |
| | | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 15 | 0 | 0 | 15 |
| | | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 2 | 0 | 0 | 2 |
| | | | **Subtotal for CUSTOMER SERVICE** | **0** | **114** | **0** | **1** | **115** |
| | **SR VP OPERATIONS** | | | | | | | |
| | | P8V | SR VP OPERATIONS | 0 | 2 | 0 | 0 | 2 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| Total for SR VP OPERATIONS | | | 0 | 116 | 0 | 1 | 117 |
| **SR VP PUBLIC AFFAIRS** | | | | | | | |
| SR VP PUBLIC AFFAIRS | | | | | | | |
| | P9V | SR VP PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |
| Total for SR VP PUBLIC AFFAIRS | | | 0 | 2 | 0 | 0 | 2 |
| Total for HAWAIIAN ELECTRIC COMPANY | | | 9 | 1313 | 1 | 14 | 1337 |

# 636-2 Employee Count by Department/Division within VP Function as of 06/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 06/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | EMPLOYEE TYPE FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 9 | 1313 | 1 | 14 | 1337 |

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# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 9 | 0 | 0 | 9 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **14** | **0** | **0** | **14** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 13 | 0 | 0 | 13 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **40** | **0** | **0** | **40** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 10 | 0 | 0 | 10 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **17** | **0** | **0** | **17** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **82** | **0** | **0** | **82** |

**CORPORATE RELATIONS**

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | CORPORATE COMMUNICATIONS | | | | | | |
| | PQC | CORPORATE COMMUNICATIONS | 0 | 9 | 1 | 0 | 10 |
| | VP CORPORATE RELATIONS | | | | | | |
| | P1V | VP CORPORATE RELATIONS | 0 | 2 | 0 | 0 | 2 |
| | Total for CORPORATE RELATIONS | | 0 | 11 | 1 | 0 | 12 |
| CUSTOMER SOLUTIONS | | | | | | | |
| | CUSTOMER TECH APPLICATIONS | | | | | | |
| | PSR | CUSTOMER TECH APPLICATIONS | 0 | 10 | 0 | 0 | 10 |
| | ENERGY SERVICES | | | | | | |
| | PSA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PSD | CUSTOMER EFFICIENCY PROGRAM | 0 | 6 | 0 | 0 | 6 |
| | PSP | PRICING | 0 | 3 | 0 | 0 | 3 |
| | | Subtotal for ENERGY SERVICES | 0 | 12 | 0 | 0 | 12 |
| | FORECASTS & RESEARCH | | | | | | |
| | PSM | FORECASTS & RESEARCH | 0 | 9 | 0 | 0 | 9 |
| | INTEGRATED RESOURCE PLNG | | | | | | |
| | PYP | INTEGRATED RESOURCE PLANNING | 0 | 3 | 0 | 0 | 3 |
| | MARKETING SERVICES | | | | | | |
| | PSN | MARKETING SERVICES | 0 | 10 | 0 | 0 | 10 |
| | VP CUSTOMER SOLUTIONS | | | | | | |
| | P1W | CUSTOMER SOLUTIONS | 0 | 2 | 0 | 0 | 2 |
| | Total for CUSTOMER SOLUTIONS | | 0 | 46 | 0 | 0 | 46 |
| ENERGY DELIVERY | | | | | | | |
| | CONSTRUCTION & MAINTENANCE | | | | | | |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PDA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PDC | CONTROL SECTION | 0 | 9 | 0 | 0 | 9 |
| | | PDD | TRAINING SECTION | 0 | 24 | 0 | 0 | 24 |
| | | PDF | FIELD OPERATION | 0 | 22 | 0 | 0 | 22 |
| | | PDH | CUSTOMER DEMAND | 0 | 5 | 0 | 0 | 5 |
| | | PDJ | WEST OVERHEAD | 2 | 48 | 0 | 0 | 50 |
| | | PDK | EAST OVERHEAD-KOOLAU | 0 | 21 | 0 | 0 | 21 |
| | | PDL | EAST OVERHEAD-WARD | 0 | 38 | 0 | 0 | 38 |
| | | PDM | MAINTENANCE DEMAND | 0 | 2 | 0 | 0 | 2 |
| | | PDP | PLANNING | 0 | 9 | 0 | 0 | 9 |
| | | PDS | SUPPLY DEMAND | 0 | 9 | 0 | 0 | 9 |
| | | PDU | UNDERGROUND | 0 | 24 | 0 | 0 | 24 |
| | | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **2** | **218** | **0** | **0** | **220** |
| **ENGINEERING** | | | | | | | | |
| | | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | | PBE | T&D ENGINEERING | 1 | 22 | 0 | 0 | 23 |
| | | PBP | PROJECT MANAGEMENT | 0 | 5 | 0 | 0 | 5 |
| | | PBT | STRUCTURAL | 0 | 18 | 0 | 0 | 18 |
| | | PBY | SUBST,PROTECTION&TELECOM | 0 | 19 | 0 | 0 | 19 |
| | | PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for ENGINEERING** | | **1** | **80** | **0** | **0** | **81** |
| **SUPPORT SERVICES** | | | | | | | | |
| | | PVA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PVF | FLEET | 0 | 24 | 0 | 0 | 24 |
| | | PVL | ELECTRICAL & WELDING SERVICES | 1 | 11 | 0 | 0 | 12 |
| | | PVM | MATERIALS MANAGEMENT | 0 | 27 | 0 | 0 | 27 |
| | | PVP | PURCHASING | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for SUPPORT SERVICES** | | **1** | **76** | **0** | **0** | **77** |

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# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

AsOfDate: 09/30/2004
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| **SYSTEM OPERATION** | | | | | | | | |
| | PRA | | ADMINISTRATION | 0 | 6 | 0 | 0 | 6 |
| | PRC | | COMMUNICATIONS | 0 | 7 | 0 | 0 | 7 |
| | PRD | | OPERATING DISPATCH | 0 | 21 | 0 | 0 | 21 |
| | PRE | | OPERATING ENGINEERING | 0 | 9 | 0 | 0 | 9 |
| | PRI | | INSTRUMENT & CONTROL | 0 | 8 | 0 | 0 | 8 |
| | PRR | | RELAY | 0 | 10 | 0 | 0 | 10 |
| | PRS | | SUBSTATION | 0 | 33 | 0 | 0 | 33 |
| | PRX | | CONSTRUCTION MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | | **Subtotal for SYSTEM OPERATION** | **0** | **97** | **0** | **0** | **97** |
| **VP ENERGY DELIVERY** | | | | | | | | |
| | P2V | | VP ENERGY DELIVERY | 0 | 2 | 0 | 0 | 2 |
| | | | **Total for ENERGY DELIVERY** | **4** | **473** | **0** | **0** | **477** |
| ***FINANCE*** | | | | | | | | |
| **FINANCIAL VICE PRESIDENT** | | | | | | | | |
| | P4V | | FINANCIAL VICE PRESIDENT | 0 | 4 | 0 | 0 | 4 |
| **GENERAL ACCOUNTING** | | | | | | | | |
| | PAA | | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PAC | | CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| | PAD | | COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| | PAT | | PROPERTY ACCOUNTING | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for GENERAL ACCOUNTING** | **0** | **24** | **0** | **0** | **24** |
| **INFO TECHNOLOGY & SVCS** | | | | | | | | |
| | PEA | | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PEC | | CUSTOMER CARE | 0 | 14 | 0 | 1 | 15 |
| | PED | | DEVELOPMENT SERVICES | 0 | 31 | 0 | 0 | 31 |
| | PEI | | INFRASTRUCTURE & OPERATIONS | 0 | 26 | 0 | 0 | 26 |
| | PEM | | MAILING SERVICES | 0 | 8 | 0 | 0 | 8 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 09/30/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **REGULATORY AFFAIRS** | | | | | | | |
| | PNP | REGULATORY AFFAIRS | 0 | 5 | 0 | 0 | 5 |
| **VP GOVT & COMMUNITY AFFAIRS** | | | | | | | |
| | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| **Total for GOVT & COMMUNITY AFFAIRS** | | | **0** | **19** | **0** | **0** | **19** |
| ***POWER SUPPLY*** | | | | | | | |
| **ENVIRONMENTAL** | | | | | | | |
| | PJA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PJB | AIR QUALITY & NOISE | 0 | 5 | 0 | 0 | 5 |
| | PJC | CHEMISTRY | 0 | 6 | 0 | 0 | 6 |
| | PJW | WATER & HAZARDOUS MATERIAL | 0 | 7 | 0 | 0 | 7 |
| | | **Subtotal for ENVIRONMENTAL** | **0** | **21** | **0** | **0** | **21** |
| **POWER SUPPLY ENGINEERING** | | | | | | | |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYE | PS TECHNICAL SERVICES | 0 | 8 | 0 | 0 | 8 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 8 | 0 | 0 | 8 |
| | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 4 | 0 | 0 | 4 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 10 | 0 | 0 | 10 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **37** | **0** | **0** | **37** |
| **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PIH | HONOLULU STATION OPERATIONS | 0 | 17 | 0 | 0 | 17 |
| | PIK | KAHE STATION OPERATIONS | 0 | 56 | 0 | 0 | 56 |
| | PIL | KAHE STATION MAINTENANCE | 0 | 25 | 0 | 0 | 25 |
| | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIN | HONOLULU STATION MAINTENANCE | 0 | 9 | 0 | 0 | 9 |

# Division within VP Function as of 09/30/2004

NY Department: *
Division: *

| | EMPLOYEE TYPE | | | |
|---|---|---|---|---|
| LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 0 | 1 | 0 | 0 | 1 |
| 0 | 15 | 0 | 0 | 15 |
| 0 | 62 | 0 | 0 | 62 |
| 1 | 59 | 0 | 0 | 60 |
| 0 | 23 | 0 | 0 | 23 |
| **1** | **276** | **0** | **0** | **277** |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 6 | 0 | 0 | 6 |
| 0 | 4 | 0 | 0 | 4 |
| 0 | 10 | 0 | 0 | 10 |
| 0 | 8 | 0 | 0 | 8 |
| **0** | **32** | **0** | **0** | **32** |
| 0 | 2 | 0 | 0 | 2 |
| **1** | **368** | **0** | **0** | **369** |
| 0 | 6 | 0 | 0 | 6 |
| 0 | 3 | 0 | 0 | 3 |
| **0** | **9** | **0** | **0** | **9** |
| 0 | 3 | 0 | 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

Report Parameters
AsOfDate: 09/30/2004
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | | **Total for SPECIAL PROJECTS** | 0 | 3 | 0 | 0 | 3 |
| **SR VP ENERGY SOLUTIONS** | | | | | | | | |
| | **CUSTOMER INSTALLATION** | | | | | | | |
| | | PWA | ADMINISTRATION | 0 | 10 | 0 | 0 | 10 |
| | | PWP | PLANNING & DESIGN | 2 | 21 | 0 | 2 | 25 |
| | | PWX | ENGINEERING & METER | 0 | 9 | 0 | 0 | 9 |
| | | | **Subtotal for CUSTOMER INSTALLATION** | 2 | 40 | 0 | 2 | 44 |
| | **ENERGY PROJECTS** | | | | | | | |
| | | PNG | ENERGY PROJECTS | 0 | 8 | 0 | 0 | 8 |
| | **SR VP ENERGY SOLUTIONS** | | | | | | | |
| | | P9S | SR VP ENERGY SOLUTIONS | 0 | 4 | 0 | 0 | 4 |
| | **TECHNOLOGY** | | | | | | | |
| | | PNR | TECHNOLOGY | 0 | 2 | 0 | 0 | 2 |
| | | | **Total for SR VP ENERGY SOLUTIONS** | 2 | 54 | 0 | 2 | 58 |
| **SR VP OPERATIONS** | | | | | | | | |
| | **CUSTOMER SERVICE** | | | | | | | |
| | | PCA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PCB | CUST ACCOUNTING & BILLING | 0 | 5 | 0 | 0 | 5 |
| | | PCD | CREDIT | 0 | 5 | 0 | 0 | 5 |
| | | PCF | CUSTOMER FIELD SERVICES | 0 | 5 | 0 | 0 | 5 |
| | | PCG | FIELD SERVICE & COLLECTIONS | 0 | 26 | 0 | 0 | 26 |
| | | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 28 | 0 | 0 | 28 |
| | | PCM | METER READING | 1 | 32 | 0 | 0 | 33 |
| | | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 16 | 0 | 0 | 16 |
| | | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 4 | 0 | 0 | 4 |
| | | | **Subtotal for CUSTOMER SERVICE** | 1 | 125 | 0 | 0 | 126 |

# 636-2 Employee Count by Department/Division within VP Function as of 09/30/2004

**Report Parameters**

AsOfDate: 09/30/2004
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | SR VP OPERATIONS | | | | | | |
| | | P8V SR VP OPERATIONS | 0 | 2 | 0 | 0 | 2 |
| | Total for SR VP OPERATIONS | | 1 | 127 | 0 | 0 | 128 |
| SR VP PUBLIC AFFAIRS | | | | | | | |
| | SR VP PUBLIC AFFAIRS | | | | | | |
| | | P9V SR VP PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |
| | Total for SR VP PUBLIC AFFAIRS | | 0 | 2 | 0 | 0 | 2 |
| Total for HAWAIIAN ELECTRIC COMPANY | | | 8 | 1357 | 1 | 3 | 1369 |

# Employee Count by Department/Division within VP Function as of 09/30/2004

AsOfDate: 09/30/2004
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

**LECTRIC COMPANY:**

| | | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|---|
| EPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| tal: | | 8 | 1357 | 1 | 3 | 1369 |



CA-IR-9
DOCKET NO. 04-0113

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **CORPORATE EXCELLENCE** | | | | | | | |
| **COMPENSATION AND BENEFITS** | | | | | | | |
| | PFB | EMPL BENEFITS & HLTH SVCS | 0 | 9 | 0 | 0 | 9 |
| | PFC | COMPENSATION | 0 | 2 | 0 | 0 | 2 |
| | PPW | DISABILITY MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for COMPENSATION AND BENEFITS** | **0** | **14** | **0** | **0** | **14** |
| **INDUSTRIAL RELATIONS** | | | | | | | |
| | PPA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PPI | LABOR REL & WAGE ADMIN | 0 | 6 | 0 | 0 | 6 |
| | | **Subtotal for INDUSTRIAL RELATIONS** | **0** | **9** | **0** | **0** | **9** |
| **SAFETY, SECURITY & FACILITIES** | | | | | | | |
| | PFS | CORPORATE SAFETY | 0 | 11 | 0 | 0 | 11 |
| | PHA | ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PHB | FACILITIES OPERATIONS | 0 | 15 | 0 | 0 | 15 |
| | PHF | FACILITIES PLANNING | 0 | 5 | 0 | 0 | 5 |
| | PHS | SECURITY | 0 | 19 | 0 | 0 | 19 |
| | | **Subtotal for SAFETY, SECURITY & FACILITIES** | **0** | **52** | **0** | **0** | **52** |
| **VP CORPORATE EXCELLENCE** | | | | | | | |
| | P6V | VP CORPORATE EXCELLENCE | 0 | 2 | 0 | 0 | 2 |
| **WORKFORCE STAFFING & DEVELOP** | | | | | | | |
| | PFA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PFD | CLIENT SERVICES & CONSULTING | 0 | 10 | 0 | 0 | 10 |
| | PFI | ORGANIZ DEV & CONTIN IMPRVMT | 0 | 3 | 0 | 0 | 3 |
| | | **Subtotal for WORKFORCE STAFFING & DEVELOP** | **0** | **17** | **0** | **0** | **17** |
| | | **Total for CORPORATE EXCELLENCE** | **0** | **94** | **0** | **0** | **94** |

**CORPORATE RELATIONS**

## within VP Function as of 12/31/2004

partment: *
ision: *

| EMPLOYEE TYPE | | | |
|---|---|---|---|
| FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| 8 | 1 | 0 | 9 |
| 2 | 0 | 0 | 2 |
| 10 | 1 | 0 | 11 |
| 9 | 0 | 0 | 9 |
| 3 | 0 | 0 | 3 |
| 6 | 0 | 0 | 6 |
| 5 | 0 | 0 | 5 |
| 14 | 0 | 0 | 14 |
| 9 | 0 | 0 | 9 |
| 4 | 0 | 0 | 4 |
| 11 | 0 | 0 | 11 |
| 2 | 0 | 0 | 2 |
| 49 | 0 | 0 | 49 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PDA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PDC | CONTROL SECTION | 0 | 9 | 0 | 0 | 9 |
| | | PDD | TRAINING SECTION | 0 | 16 | 0 | 0 | 16 |
| | | PDF | FIELD OPERATION | 0 | 21 | 0 | 0 | 21 |
| | | PDH | CUSTOMER DEMAND | 0 | 5 | 0 | 0 | 5 |
| | | PDJ | WEST OVERHEAD | 3 | 49 | 0 | 0 | 52 |
| | | PDK | EAST OVERHEAD-KOOLAU | 0 | 23 | 0 | 0 | 23 |
| | | PDL | EAST OVERHEAD-WARD | 0 | 41 | 0 | 0 | 41 |
| | | PDM | MAINTENANCE DEMAND | 0 | 2 | 0 | 0 | 2 |
| | | PDP | PLANNING | 0 | 11 | 0 | 0 | 11 |
| | | PDS | SUPPLY DEMAND | 0 | 9 | 0 | 0 | 9 |
| | | PDU | UNDERGROUND | 0 | 23 | 0 | 0 | 23 |
| | | PDV | VEGETATION MANAGEMENT | 0 | 2 | 0 | 0 | 2 |
| | | **Subtotal for CONSTRUCTION & MAINTENANCE** | | **3** | **216** | **0** | **0** | **219** |
| | **ENGINEERING** | | | | | | | |
| | | PBA | ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | | PBE | T&D ENGINEERING | 0 | 21 | 0 | 0 | 21 |
| | | PBP | PROJECT MANAGEMENT | 0 | 5 | 0 | 0 | 5 |
| | | PBT | STRUCTURAL | 0 | 17 | 0 | 0 | 17 |
| | | PBY | SUBST,PROTECTION&TELECOM | 0 | 20 | 0 | 0 | 20 |
| | | PBZ | T&D TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |
| | | **Subtotal for ENGINEERING** | | **0** | **79** | **0** | **0** | **79** |
| | **SUPPORT SERVICES** | | | | | | | |
| | | PVA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | | PVF | FLEET | 0 | 25 | 0 | 0 | 25 |
| | | PVL | ELECTRICAL & WELDING SERVICES | 1 | 12 | 0 | 0 | 13 |
| | | PVM | MATERIALS MANAGEMENT | 0 | 27 | 0 | 0 | 27 |
| | | PVP | PURCHASING | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for SUPPORT SERVICES** | | **1** | **80** | **0** | **0** | **81** |

# Count by Department/Division within VP Function as of 12/31/2004

12/31/2004
P HAWAIIAN ELECTRIC COMPANY Department: *
on: * Division: *

ANY:

| | EMPLOYEE TYPE | | | | |
|---|---|---|---|---|---|
| | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
| **TION** | | | | | |
| ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| COMMUNICATIONS | 0 | 7 | 0 | 0 | 7 |
| OPERATING DISPATCH | 0 | 20 | 0 | 0 | 20 |
| OPERATING ENGINEERING | 0 | 10 | 0 | 0 | 10 |
| INSTRUMENT & CONTROL | 0 | 9 | 0 | 0 | 9 |
| RELAY | 0 | 10 | 0 | 0 | 10 |
| SUBSTATION | 0 | 36 | 0 | 0 | 36 |
| CONSTRUCTION MANAGEMENT | 0 | 3 | 0 | 0 | 3 |
| **Subtotal for SYSTEM OPERATION** | **0** | **100** | **0** | **0** | **100** |
| **IVERY** | | | | | |
| VP ENERGY DELIVERY | 0 | 2 | 0 | 0 | 2 |
| **GY DELIVERY** | **4** | **477** | **0** | **0** | **481** |
| **PRESIDENT** | | | | | |
| FINANCIAL VICE PRESIDENT | 0 | 3 | 0 | 0 | 3 |
| **UNTING** | | | | | |
| ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| CORPORATE ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| COST ACCOUNTING | 0 | 10 | 0 | 0 | 10 |
| PROPERTY ACCOUNTING | 0 | 5 | 0 | 0 | 5 |
| **Subtotal for GENERAL ACCOUNTING** | **0** | **25** | **0** | **0** | **25** |
| **GY & SVCS** | | | | | |
| ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| CUSTOMER CARE | 0 | 20 | 0 | 0 | 20 |
| DEVELOPMENT SERVICES | 0 | 30 | 0 | 0 | 30 |
| INFRASTRUCTURE & OPERATIONS | 0 | 20 | 0 | 0 | 20 |
| MAILING SERVICES | 0 | 11 | 0 | 0 | 11 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

AsOfDate: 12/31/2004
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|---|
| | | PEP | PROJECT & BUSINESS MGMT | 0 | 7 | 0 | 0 | 7 |
| | | | **Subtotal for INFO TECHNOLOGY & SVCS** | **0** | **90** | **0** | **0** | **90** |
| | **MANAGEMENT ACCTG & FIN SVCS** | | | | | | | |
| | | PKB | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | | PKC | BUDGETS | 0 | 6 | 0 | 0 | 6 |
| | | PKF | FINANCIAL ANALYSIS | 0 | 2 | 0 | 0 | 2 |
| | | PKM | ERP ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | | PKT | TREASURY | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for MANAGEMENT ACCTG & FIN SVCS** | **0** | **20** | **0** | **0** | **20** |
| | **RISK MANAGEMENT** | | | | | | | |
| | | PKI | RISK MANAGEMENT | 0 | 9 | 0 | 0 | 9 |
| | | | **Total for FINANCE** | **0** | **147** | **0** | **0** | **147** |
| **GENERAL COUNSEL** | | | | | | | | |
| | **LEGAL** | | | | | | | |
| | | PNC | LEGAL | 0 | 11 | 0 | 0 | 11 |
| | | PNL | LAND & RIGHTS OF WAY | 0 | 5 | 0 | 0 | 5 |
| | | | **Subtotal for LEGAL** | **0** | **16** | **0** | **0** | **16** |
| | **VP GENERAL COUNSEL** | | | | | | | |
| | | P5V | VP-GENERAL COUNSEL | 0 | 2 | 0 | 0 | 2 |
| | | | **Total for GENERAL COUNSEL** | **0** | **18** | **0** | **0** | **18** |
| **GOVT & COMMUNITY AFFAIRS** | | | | | | | | |
| | **EDUCATION & CONSUMER AFFAIRS** | | | | | | | |
| | | PQE | EDUCATION & CONSUMER AFFAIRS | 0 | 6 | 0 | 0 | 6 |
| | **REGULATORY AFFAIRS** | | | | | | | |
| | | PNP | REGULATORY AFFAIRS | 0 | 5 | 0 | 0 | 5 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

AsOfDate: 12/31/2004
District: P HAWAIIAN ELECTRIC COMPANY Department: *
VP Function: * Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| **VP GOVT & COMMUNITY AFFAIRS** | | | | | | | |
| | P3V | VP GOVT & COMMUNITY AFFAIRS | 0 | 7 | 0 | 0 | 7 |
| **Total for GOVT & COMMUNITY AFFAIRS** | | | **0** | **18** | **0** | **0** | **18** |
| ***POWER SUPPLY*** | | | | | | | |
| **ENVIRONMENTAL** | | | | | | | |
| | PJA | ADMINISTRATION | 0 | 4 | 0 | 0 | 4 |
| | PJB | AIR QUALITY & NOISE | 0 | 6 | 0 | 0 | 6 |
| | PJC | CHEMISTRY | 0 | 6 | 0 | 1 | 7 |
| | PJW | WATER & HAZARDOUS MATERIAL | 0 | 7 | 0 | 0 | 7 |
| | | **Subtotal for ENVIRONMENTAL** | **0** | **23** | **0** | **1** | **24** |
| **POWER SUPPLY ENGINEERING** | | | | | | | |
| | PYA | ADMINISTRATION | 0 | 3 | 0 | 0 | 3 |
| | PYC | SUPPORT STAFF | 0 | 2 | 0 | 0 | 2 |
| | PYE | PS TECHNICAL SERVICES | 0 | 9 | 0 | 0 | 9 |
| | PYF | POWER PLANT ELECT ENGRG | 0 | 9 | 0 | 0 | 9 |
| | PYG | POWER PLANT DRAFTING | 0 | 2 | 0 | 0 | 2 |
| | PYJ | POWER PLANT PROJECT MGT | 0 | 5 | 0 | 0 | 5 |
| | PYM | POWR PLANT MECH ENGRG | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for POWER SUPPLY ENGINEERING** | **0** | **41** | **0** | **0** | **41** |
| **POWER SUPPLY OPER & MAINT** | | | | | | | |
| | PIB | O&M ADMINISTRATION | 0 | 7 | 0 | 0 | 7 |
| | PIH | HONOLULU STATION OPERATIONS | 0 | 19 | 0 | 0 | 19 |
| | PIK | KAHE STATION OPERATIONS | 0 | 59 | 0 | 0 | 59 |
| | PIL | KAHE STATION MAINTENANCE | 0 | 27 | 0 | 0 | 27 |
| | PIM | MAINTENANCE ADMINISTRATION | 0 | 2 | 0 | 0 | 2 |
| | PIN | HONOLULU STATION MAINTENANCE | 0 | 8 | 0 | 0 | 8 |
| | PIO | OPERATIONS ADMINISTRATION | 1 | 2 | 0 | 0 | 3 |
| | PIP | PLANNING | 0 | 16 | 0 | 0 | 16 |

f 12/31/2004

| RARY | TOTAL |
|---|---|
| 0 | 66 |
| 0 | 64 |
| 0 | 25 |
| **0** | **296** |
| 0 | 5 |
| 0 | 6 |
| 0 | 3 |
| 0 | 10 |
| 0 | 8 |
| **0** | **32** |
| 0 | 2 |
| **1** | **395** |
| 0 | 5 |
| 0 | 1 |
| **0** | **6** |
| 0 | 4 |
| **0** | **10** |
| 0 | 3 |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

AsOfDate: 12/31/2004
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

## HAWAIIAN ELECTRIC COMPANY:

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| **Total for SPECIAL PROJECTS** | | | **0** | **3** | **0** | **0** | **3** |
| ***SR VP ENERGY SOLUTIONS*** | | | | | | | |
| **CUSTOMER INSTALLATION** | | | | | | | |
| | PWA | ADMINISTRATION | 0 | 8 | 0 | 0 | 8 |
| | PWP | PLANNING & DESIGN | 2 | 20 | 0 | 2 | 24 |
| | PWX | ENGINEERING & METER | 0 | 11 | 0 | 0 | 11 |
| | | **Subtotal for CUSTOMER INSTALLATION** | **2** | **39** | **0** | **2** | **43** |
| **ENERGY PROJECTS** | | | | | | | |
| | PNG | ENERGY PROJECTS | 0 | 8 | 0 | 0 | 8 |
| **SR VP ENERGY SOLUTIONS** | | | | | | | |
| | P9S | SR VP-ENERGY SOLUTIONS | 0 | 4 | 0 | 0 | 4 |
| **TECHNOLOGY** | | | | | | | |
| | PNR | TECHNOLOGY | 0 | 2 | 0 | 0 | 2 |
| **Total for SR VP ENERGY SOLUTIONS** | | | **2** | **53** | **0** | **2** | **57** |
| ***SR VP OPERATIONS*** | | | | | | | |
| **CUSTOMER SERVICE** | | | | | | | |
| | PCA | ADMINISTRATION | 0 | 5 | 0 | 0 | 5 |
| | PCB | CUST ACCOUNTING & BILLING | 0 | 6 | 0 | 0 | 6 |
| | PCD | CREDIT | 0 | 5 | 0 | 0 | 5 |
| | PCF | CUSTOMER FIELD SERVICES | 0 | 6 | 0 | 0 | 6 |
| | PCG | FIELD SERVICE & COLLECTIONS | 0 | 25 | 0 | 0 | 25 |
| | PCH | CUSTOMER ASSISTANCE CENTER | 0 | 28 | 0 | 0 | 28 |
| | PCM | METER READING | 1 | 30 | 0 | 0 | 31 |
| | PCP | PAYMT PROCESS & SUPPORT CTR | 0 | 16 | 0 | 0 | 16 |
| | PCS | CUSTOMER ACCOUNT SERVICES | 0 | 4 | 0 | 0 | 4 |
| | | **Subtotal for CUSTOMER SERVICE** | **1** | **125** | **0** | **0** | **126** |

# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

AsOfDate: 12/31/2004
District: P HAWAIIAN ELECTRIC COMPANY
VP Function: *
Department: *
Division: *

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| | | | EMPLOYEE TYPE | | | | |
| SR VP OPERATIONS | | | | | | | |
| | P8V | SR VP OPERATIONS | 0 | 2 | 0 | 0 | 2 |
| Total for SR VP OPERATIONS | | | 1 | 127 | 0 | 0 | 128 |
| SR VP PUBLIC AFFAIRS | | | | | | | |
| GOVERNMENTAL RELATIONS | | | | | | | |
| | PNI | GOVERNMENTAL RELATIONS | 0 | 3 | 0 | 0 | 3 |
| SR VP PUBLIC AFFAIRS | | | | | | | |
| | P9V | SR VP PUBLIC AFFAIRS | 0 | 2 | 0 | 0 | 2 |
| Total for SR VP PUBLIC AFFAIRS | | | 0 | 5 | 0 | 0 | 5 |
| Total for HAWAIIAN ELECTRIC COMPANY | | | 10 | 1402 | 1 | 3 | 1416 |

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# 636-2 Employee Count by Department/Division within VP Function as of 12/31/2004

**Report Parameters**

| | | | | |
|---|---|---|---|---|
| AsOfDate: | 12/31/2004 | | | |
| District: | P | HAWAIIAN ELECTRIC COMPANY | Department: | * |
| VP Function: | * | | Division: | * |

**HAWAIIAN ELECTRIC COMPANY:**

| FUNCTION | DEPT | RA | EMPLOYEE TYPE LEAVE | FULL-TIME | PART-TIME | TEMPORARY | TOTAL |
|---|---|---|---|---|---|---|---|
| Enterprise Total: | | | 10 | 1402 | 1 | 3 | 1416 |

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DOCKET NO. 04-0113
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**Ref: HECO WP-150 "Source:".**

Please provide for each available month of 2003 and 2004, complete copies of HECO's "Monthly Revenue by Summary Rates (Rev510)."

HECO Response:

HECO's 2003 and 2004 billed Monthly Revenue by Summary Rates (REV510) are voluminous and therefore one copy each will be provided to the Consumer Advocate and the Public Utilities Commission under separate transmittal. (There are no electronic copies of this report.) The Energy Cost Adjustment Clause (ECAC) revenue amounts in the REV510 reports are identified as "FOA" and "FOE" in the "Base/Adj Schedule" column. The REV510 summarizes revenues received during the billing month and is the summation of customer bills in all 21 read cycles during the billing month.

Note, however, that HECO-WP-150 shows recorded ECAC Revenues. Recorded revenues represent an estimate of revenues received during the calendar month, a period which is different from the billing month. Recorded revenues are equal to billed revenues plus the current month's unbilled revenues, less the previous month's unbilled revenues. In order to determine the recorded revenue for a calendar month, the billed revenues from the REV510 report and the unbilled revenues for the current and previous month are required. Also to be provided under separate transmittal is the revenue estimates for December 2002 and January 2003. The recorded ECAC revenue for January 2003 are equal to January 2003 billed revenues plus January 2003 unbilled revenues less December 2002 unbilled revenues, or, $13,544,990.61 = [13,534,401.56 + 28,439.31] + 6,531,971.23 - 6,531,821.49).

STEM: CBRCM500
OGRAM: REV510
PORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 02/06/03
RUN TIME: 01:47:21

| MARY E | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | BASE | $5,370.03- | $0.0000 |
| TOTAL | | | | | | | $5,370.03- | $0.00000 |
| | 0 | 0 | 0 | 0 | 0 | BASE | $85.63- | $0.0000 |
| TOTAL | | | | | | | $85.63- | $0.00000 |
| | 0 | 0 | 0 | 0 | 0 | BASE | $11,763.00- | $0.0000 |
| TOTAL | | | | | | | $11,763.00- | $0.00000 |
| | 0 | 0 | 0 | 0 | 0 | BASE | $17,676.09 | $0.0000 |
| TOTAL | | | | | | | $17,676.09 | $0.00000 |
| | 0 | 0 | 0 | 0 | 0 | BASE | $8,631.93 | $0.0000 |
| TOTAL | | | | | | | $8,631.93 | $0.00000 |
| | 1,720,875 | 1,947 | 884 | 1,947 | 884 | BASE | $154,077.85 | $0.0895 |
| | | | | | | DS1 | $2,415.50 | $0.0014 |
| | | | | | | FOE | $28,439.31 | $0.0165 |
| | | | | | | IRP | $0.49 | $0.0000 |
| TOTAL | | | | | | | $184,933.15 | $0.10746 |
| | 3,199,777 | 385 | 8,311 | 134 | 23,879 | BASE | $336,754.16 | $0.1052 |
| | | | | | | FOA | $72,559.33 | $0.0226 |
| TOTAL | | | | | | | $409,313.49 | $0.12792 |
| | 0 | 0 | 0 | 0 | 0 | BASE | $9,330.00 | $0.0000 |
| TOTAL | | | | | | | $9,330.00 | $0.00000 |
| | 28,668,277 | 24,906 | 1,151 | 24,637 | 1,164 | BASE | $3,939,040.16 | $0.1374 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 02/06/03
RUN TIME: 01:47:21

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | DS2 | $66,640.36 | $0.0023 |
| | | | | | | FOA | $640,812.06 | $0.0223 |
| | | | | | | IRP | $0.68 | $0.0000 |
| * TOTAL | | | | | | | $4,646,493.26 | $0.16208 |
| H | 5,103,051 | 1,256 | 4,063 | 1,256 | 4,063 | BASE | $536,951.23 | $0.1052 |
| | | | | | | DS2 | $11,878.20 | $0.0023 |
| | | | | | | FOA | $114,676.28 | $0.0224 |
| | | | | | | IRP | $0.08- | $0.0000 |
| * TOTAL | | | | | | | $663,505.63 | $0.13002 |
| J | 150,678,084 | 6,332 | 23,796 | 6,335 | 23,785 | BASE | $15,505,393.03 | $0.1029 |
| | | | | | | DS2 | $352,385.92 | $0.0023 |
| | | | | | | FOA | $3,387,003.37 | $0.0224 |
| * TOTAL | | | | | | | $19,244,782.32 | $0.12772 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $79,919.58 | $0.0000 |
| * TOTAL | | | | | | | $79,919.58 | $0.00000 |
| OWN | 1,193,689 | 51 | 23,406 | 51 | 23,406 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 246,459,511 | 356 | 692,302 | 378 | 652,009 | BASE | $20,596,337.23 | $0.0835 |
| | | | | | | DS2 | $574,894.83 | $0.0023 |
| | | | | | | FOA | $5,485,353.09 | $0.0222 |
| * TOTAL | | | | | | | $26,656,585.15 | $0.10816 |
| R | 172,643,672 | 248,437 | 695 | 247,473 | 698 | BASE | $21,256,251.80 | $0.1231 |
| | | | | | | DS1 | $325,291.65 | $0.0018 |
| | | | | | | FOA | $3,833,997.43 | $0.0222 |
| | | | | | | IRP | $0.03- | $0.0000 |
| * TOTAL | | | | | | | $25,415,540.85 | $0.14721 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 02/06/03
RUN TIME: 01:47:21

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,660.00 | $0.0000 |
| * TOTAL | | | | | | | $10,660.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $750.00 | $0.0000 |
| * TOTAL | | | | | | | $750.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,420.00 | $0.0000 |
| * TOTAL | | | | | | | $3,420.00 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $362.00- | $0.0000 |
| * TOTAL | | | | | | | $362.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,095.00 | $0.0000 |
| * TOTAL | | | | | | | $4,095.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $47,350.00 | $0.0000 |
| * TOTAL | | | | | | | $47,350.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $2,985.00 | $0.0000 |
| * TOTAL | | | | | | | $2,985.00 | $0.00000 |
| V | 147,280- | 3- | 49,093 | 3- | 49,093 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $7,505.84- | $0.0000 |
| * TOTAL | | | | | | | $7,505.84- | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 02/06/03
RUN TIME: 01:47:21

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| TARIFF | 609,519,656 | 283,667 | 2,149 | 282,208 | 2,160 | BASE | $62,484,536.56 | $0.10251 |
| | | | | | | DS1 | $327,707.15 | $0.00054 |
| | | | | | | DS2 | $1,005,799.31 | $0.00165 |
| | | | | | | FOA | $13,534,401.56 | $0.02221 |
| | | | | | | FOE | $28,439.31 | $0.00005 |
| | | | | | | IRP | $1.06 | $0.00000 |
| ** TOTAL | | | | | | | $77,380,884.95 | $0.12695 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2003 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 02/06/03
RUN TIME: 01:47:21

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 609,519,656 | 283,667 | 2,149 | 282,208 | 2,160 | BASE | $62,484,536.56 | $0.10251 |
| | | | | | | DS1 | $327,707.15 | $0.00054 |
| | | | | | | DS2 | $1,005,799.31 | $0.00165 |
| | | | | | | FOA | $13,534,401.56 | $0.02221 |
| | | | | | | FOE | $28,439.31 | $0.00005 |
| | | | | | | IRP | $1.06 | $0.00000 |
| *** TOTAL | | | | | | | $77,380,884.95 | $0.12695 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 03/06/03
RUN TIME: 01:32:42

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $4,794.27- | $0.0000 |
| * TOTAL | | | | | | | $4,794.27- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $50.00- | $0.0000 |
| * TOTAL | | | | | | | $50.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $4,172.00- | $0.0000 |
| * TOTAL | | | | | | | $4,172.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $120.00- | $0.0000 |
| * TOTAL | | | | | | | $120.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $16,047.89 | $0.0000 |
| * TOTAL | | | | | | | $16,047.89 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $7,925.65 | $0.0000 |
| * TOTAL | | | | | | | $7,925.65 | $0.00000 |
| E | 1,543,219 | 1,933 | 798 | 1,933 | 798 | BASE | $135,754.96 | $0.0879 |
| | | | | | | DS1 | $2,114.73 | $0.0013 |
| | | | | | | FOE | $26,334.31 | $0.0170 |
| * TOTAL | | | | | | | $164,204.00 | $0.10640 |
| F | 3,221,130 | 384 | 8,388 | 133 | 24,219 | BASE | $339,861.41 | $0.1055 |
| | | | | | | FOA | $77,073.35 | $0.0239 |
| * TOTAL | | | | | | | $416,934.76 | $0.12944 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $9,315.00 | $0.0000 |

H A W A I I A N  E L E C T R I C  C O M P A N Y

MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2003 - TARIFF 1


RUN DATE: 03/06/03
RUN TIME: 01:32:42

| TOMER NT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|
| | | | | | $9,315.00 | $0.00000 |
| 4,775 | 1,143 | 24,506 | 1,156 | BASE | $3,895,063.62 | $0.1375 |
| | | | | DS2 | $65,879.87 | $0.0023 |
| | | | | FOA | $670,825.37 | $0.0236 |
| | | | | IRP | $0.14 | $0.0000 |
| | | | | | $4,631,769.00 | $0.16352 |
| 1,257 | 3,956 | 1,257 | 3,956 | BASE | $527,188.90 | $0.1060 |
| | | | | DS2 | $11,565.79 | $0.0023 |
| | | | | FOA | $118,333.18 | $0.0238 |
| | | | | | $657,087.87 | $0.13215 |
| 6,319 | 23,906 | 6,322 | 23,894 | BASE | $15,342,226.03 | $0.1015 |
| | | | | DS2 | $349,338.41 | $0.0023 |
| | | | | FOA | $3,547,366.49 | $0.0234 |
| | | | | IRP | $0.00 | $0.0000 |
| | | | | | $19,238,930.93 | $0.12736 |
| 0 | 0 | 0 | 0 | BASE | $75,239.32 | $0.0000 |
| | | | | | $75,239.32 | $0.00000 |
| 51 | 24,850 | 51 | 24,850 | BASE | $0.00 | $0.0000 |
| | | | | | $0.00 | $0.00000 |
| 351 | 645,611 | 372 | 609,165 | BASE | $19,357,483.31 | $0.0854 |
| | | | | DS2 | $527,862.23 | $0.0023 |
| | | | | FOA | $5,333,844.89 | $0.0235 |
| | | | | RD | $3,710.73- | $0.0000 |
| | | | | | $25,215,479.70 | $0.11127 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 03/06/03
RUN TIME: 01:32:42

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| R | 159,002,935 | 248,195 | 641 | 247,242 | 643 | BASE | $19,715,418.19 | $0.1239 |
| | | | | | | DS1 | $299,536.55 | $0.0018 |
| | | | | | | FOA | $3,732,253.64 | $0.0234 |
| | | | | | | IRP | $0.04- | $0.0000 |
| * TOTAL | | | | | | | $23,747,208.34 | $0.14935 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $12,040.00 | $0.0000 |
| * TOTAL | | | | | | | $12,040.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $720.00 | $0.0000 |
| * TOTAL | | | | | | | $720.00 | $0.00000 |
| RNC | 0 | 0 | 0 | 0 | 0 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,052.50 | $0.0000 |
| * TOTAL | | | | | | | $3,052.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $120.50- | $0.0000 |
| * TOTAL | | | | | | | $120.50- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,064.65 | $0.0000 |
| * TOTAL | | | | | | | $5,064.65 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $43,535.00 | $0.0000 |
| * TOTAL | | | | | | | $43,535.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $2,983.77 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 03/06/03
RUN TIME: 01:32:42

| MMARY ATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| TOTAL | | | | | | | $2,983.77 | $0.00000 |
| IC | 0 | 0 | 0 | 0 | 0 | BASE | $7,726.33- | $0.0000 |
| TOTAL | | | | | | | $7,726.33- | $0.00000 |
| ARIFF | 576,001,553 | 283,265 | 2,033 | 281,816 | 2,044 | BASE | $59,471,937.10 | $0.10325 |
| | | | | | | DS1 | $301,651.28 | $0.00052 |
| | | | | | | DS2 | $954,646.30 | $0.00166 |
| | | | | | | FOA | $13,479,696.92 | $0.02340 |
| | | | | | | FOE | $26,334.31 | $0.00005 |
| | | | | | | IRP | $0.10 | $0.00000 |
| | | | | | | RD | $3,710.73- | $0.00001- |
| * TOTAL | | | | | | | $74,230,555.28 | $0.12887 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2003 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 03/06/03
RUN TIME: 01:32:42

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 576,001,553 | 283,265 | 2,033 | 281,816 | 2,044 | BASE | $59,471,937.10 | $0.10325 |
| | | | | | | DS1 | $301,651.28 | $0.00052 |
| | | | | | | DS2 | $954,646.30 | $0.00166 |
| | | | | | | FOA | $13,479,696.92 | $0.02340 |
| | | | | | | FOE | $26,334.31 | $0.00005 |
| | | | | | | IRP | $0.10 | $0.00000 |
| | | | | | | RD | $3,710.73- | $0.00001- |
| *** TOTAL | | | | | | | $74,230,555.28 | $0.12887 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 04/04/03
RUN TIME: 01:17:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,203.88- | $0.0000 |
| * TOTAL | | | | | | | $5,203.88- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $33.27- | $0.0000 |
| * TOTAL | | | | | | | $33.27- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $11,300.00- | $0.0000 |
| * TOTAL | | | | | | | $11,300.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $4,265.00- | $0.0000 |
| * TOTAL | | | | | | | $4,265.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $1,563.00- | $0.0000 |
| * TOTAL | | | | | | | $1,563.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,203.34 | $0.0000 |
| * TOTAL | | | | | | | $17,203.34 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $8,571.31 | $0.0000 |
| * TOTAL | | | | | | | $8,571.31 | $0.00000 |
| E | 1,582,133 | 1,923 | 823 | 1,923 | 823 | BASE | $139,852.96 | $0.0884 |
| | | | | | | DS1 | $2,184.40 | $0.0013 |
| | | | | | | FOE | $29,970.44 | $0.0189 |
| * TOTAL | | | | | | | $172,007.80 | $0.10872 |
| F | 2,726,032 | 386 | 7,062 | 132 | 20,652 | BASE | $288,732.67 | $0.1059 |
| | | | | | | FOA | $77,753.02 | $0.0285 |
| | | | | | | IRP | $4.20- | $0.0000 |

PAGE NUMBER: 2
RUN DATE: 04/04/03
RUN TIME: 01:17:54

| VENUE OUNT | COST/ KWH |
|---|---|
| ,481.49 | $0.13444 |
| $6,315.00 | $0.0000 |
| ,315.00 | $0.00000 |
| 24,963.56 | $0.1374 |
| 66,386.83 | $0.0023 |
| 54,000.66 | $0.0264 |
| $0.11 | $0.0000 |
| ,351.16 | $0.16618 |
| 23,991.49 | $0.1052 |
| 11,579.86 | $0.0023 |
| 32,768.12 | $0.0266 |
| $0.12- | $0.0000 |
| ,339.35 | $0.13426 |
| 82,611.32 | $0.1022 |
| 56,783.82 | $0.0023 |
| 40,555.25 | $0.0263 |
| $3.78- | $0.0000 |
| ,946.61 | $0.13088 |
| 66,129.80 | $0.0000 |
| ,129.80 | $0.00000 |
| $0.00 | $0.0000 |
| $0.00 | $0.00000 |
| 56,376.56 | $0.0838 |
| 73,077.92 | $0.0023 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 04/04/03
RUN TIME: 01:17:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $6,390,489.84 | $0.0259 |
| * TOTAL | | | | | | | $27,619,944.32 | $0.11205 |
| R | 162,462,788 | 248,738 | 653 | 247,795 | 656 | BASE | $20,106,646.81 | $0.1237 |
| | | | | | | DS1 | $306,129.96 | $0.0018 |
| | | | | | | FOA | $4,211,524.00 | $0.0259 |
| | | | | | | IRP | $0.19 | $0.0000 |
| * TOTAL | | | | | | | $24,624,300.96 | $0.15157 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $6,600.00 | $0.0000 |
| * TOTAL | | | | | | | $6,600.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $630.00 | $0.0000 |
| * TOTAL | | | | | | | $630.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,595.00 | $0.0000 |
| * TOTAL | | | | | | | $2,595.00 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $225.47- | $0.0000 |
| * TOTAL | | | | | | | $225.47- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,896.87 | $0.0000 |
| * TOTAL | | | | | | | $4,896.87 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $46,240.00 | $0.0000 |
| * TOTAL | | | | | | | $46,240.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $2,992.04 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 04/04/03
RUN TIME: 01:17:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $2,992.04 | $0.00000 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $7,922.83- | $0.0000 |
| * TOTAL | | | | | | | $7,922.83- | $0.00000 |
| TARIFF | 601,449,834 | 283,917 | 2,118 | 282,478 | 2,129 | BASE | $61,454,835.28 | $0.10218 |
| | | | | | | DS1 | $308,314.36 | $0.00051 |
| | | | | | | DS2 | $1,007,828.43 | $0.00168 |
| | | | | | | FOA | $15,607,090.89 | $0.02595 |
| | | | | | | FOE | $29,970.44 | $0.00005 |
| | | | | | | IRP | $7.80- | $0.00000 |
| ** TOTAL | | | | | | | $78,408,031.60 | $0.13037 |

'STEM: CBRCM500
:OGRAM: REV510
:PORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2003 - TARIFF 1


RUN DATE: 04/04/03
RUN TIME: 01:17:54

| IMARY 'E | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| IPANY | 601,449,834 | 283,917 | 2,118 | 282,478 | 2,129 | BASE | $61,454,835.28 | $0.10218 |
| | | | | | | DS1 | $308,314.36 | $0.00051 |
| | | | | | | DS2 | $1,007,828.43 | $0.00168 |
| | | | | | | FOA | $15,607,090.89 | $0.02595 |
| | | | | | | FOE | $29,970.44 | $0.00005 |
| | | | | | | IRP | $7.80- | $0.00000 |
| TOTAL | | | | | | | $78,408,031.60 | $0.13037 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 05/06/03
RUN TIME: 02:09:37

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,092.20- | $0.0000 |
| * TOTAL | | | | | | | $5,092.20- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $64.44- | $0.0000 |
| * TOTAL | | | | | | | $64.44- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $16,743.00- | $0.0000 |
| * TOTAL | | | | | | | $16,743.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $1,562.00- | $0.0000 |
| * TOTAL | | | | | | | $1,562.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,457.79 | $0.0000 |
| * TOTAL | | | | | | | $17,457.79 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $8,834.62 | $0.0000 |
| * TOTAL | | | | | | | $8,834.62 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $0.69- | $0.0000 |
| * TOTAL | | | | | | | $0.69- | $0.00000 |
| E | 1,645,547 | 1,995 | 825 | 1,995 | 825 | BASE | $144,603.99 | $0.0878 |
| | | | | | | DS1 | $2,444.55 | $0.0014 |
| | | | | | | FOE | $32,809.26 | $0.0199 |
| | | | | | | IRP | $3.65 | $0.0000 |
| * TOTAL | | | | | | | $179,861.45 | $0.10930 |
| F | 3,862,558 | 400 | 9,656 | 130 | 29,712 | BASE | $411,857.52 | $0.1066 |
| | | | | | | FOA | $97,871.72 | $0.0253 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2003 - TARIFF 1


RUN DATE: 05/06/03
RUN TIME: 02:09:37

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $5.21 | $0.0000 |
| * TOTAL | | | | | | | $509,734.45 | $0.13197 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $8,655.00 | $0.0000 |
| * TOTAL | | | | | | | $8,655.00 | $0.00000 |
| G | 29,263,817 | 24,898 | 1,175 | 24,632 | 1,188 | BASE | $3,985,737.69 | $0.1362 |
| | | | | | | DS2 | $67,207.64 | $0.0023 |
| | | | | | | FOA | $818,586.98 | $0.0279 |
| | | | | | | IRP | $0.03 | $0.0000 |
| * TOTAL | | | | | | | $4,871,532.34 | $0.16647 |
| H | 4,999,390 | 1,206 | 4,145 | 1,206 | 4,145 | BASE | $523,830.67 | $0.1047 |
| | | | | | | DS2 | $11,546.55 | $0.0023 |
| | | | | | | FOA | $141,214.52 | $0.0282 |
| * TOTAL | | | | | | | $676,591.74 | $0.13533 |
| J | 156,906,116 | 6,319 | 24,831 | 6,327 | 24,799 | BASE | $15,917,273.87 | $0.1014 |
| | | | | | | DS2 | $359,562.88 | $0.0022 |
| | | | | | | FOA | $4,378,975.68 | $0.0279 |
| | | | | | | IRP | $1,233.14 | $0.0000 |
| * TOTAL | | | | | | | $20,657,045.57 | $0.13165 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $71,151.72 | $0.0000 |
| * TOTAL | | | | | | | $71,151.72 | $0.00000 |
| OWN | 1,211,356 | 51 | 23,752 | 51 | 23,752 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 235,635,596 | 358 | 658,200 | 373 | 631,731 | BASE | $19,731,211.37 | $0.0837 |
| | | | | | | DS2 | $558,210.48 | $0.0023 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 05/06/03
RUN TIME: 02:09:37

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $6,731,945.64 | $0.0285 |
| | | | | | | IRP | $1.09- | $0.0000 |
| * TOTAL | | | | | | | $27,021,366.40 | $0.11467 |
| R | 158,940,361 | 248,693 | 639 | 247,762 | 642 | BASE | $19,708,171.87 | $0.1240 |
| | | | | | | DS1 | $330,257.08 | $0.0020 |
| | | | | | | FOA | $4,450,242.42 | $0.0280 |
| | | | | | | IRP | $1.46 | $0.0000 |
| * TOTAL | | | | | | | $24,488,672.83 | $0.15407 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,635.00 | $0.0000 |
| * TOTAL | | | | | | | $10,635.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $775.00 | $0.0000 |
| * TOTAL | | | | | | | $775.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,112.50 | $0.0000 |
| * TOTAL | | | | | | | $3,112.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $413.25- | $0.0000 |
| * TOTAL | | | | | | | $413.25- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,334.39 | $0.0000 |
| * TOTAL | | | | | | | $4,334.39 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $45,587.50 | $0.0000 |
| * TOTAL | | | | | | | $45,587.50 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,170.93 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 05/06/03
RUN TIME: 02:09:37

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $3,170.93 | $0.00000 |
| U | 118,240 | 1 | 118,240 | 1 | 118,240 | BASE | $4,178.86 | $0.0353 |
| | | | | | | DS2 | $272.94 | $0.0023 |
| | | | | | | FOA | $3,345.96 | $0.0283 |
| * TOTAL | | | | | | | $7,797.76 | $0.06595 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $8,198.83- | $0.0000 |
| * TOTAL | | | | | | | $8,198.83- | $0.00000 |
| TARIFF | 592,582,981 | 283,921 | 2,087 | 282,477 | 2,098 | BASE | $60,568,505.88 | $0.10221 |
| | | | | | | DS1 | $332,701.63 | $0.00056 |
| | | | | | | DS2 | $996,800.49 | $0.00168 |
| | | | | | | FOA | $16,622,182.92 | $0.02805 |
| | | | | | | FOE | $32,809.26 | $0.00006 |
| | | | | | | IRP | $1,242.40 | $0.00000 |
| ** TOTAL | | | | | | | $78,554,242.58 | $0.13256 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2003 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 05/06/03
RUN TIME: 02:09:37

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 592,582,981 | 283,921 | 2,087 | 282,477 | 2,098 | BASE | $60,568,505.88 | $0.10221 |
| | | | | | | DS1 | $332,701.63 | $0.00056 |
| | | | | | | DS2 | $996,800.49 | $0.00168 |
| | | | | | | FOA | $16,622,182.92 | $0.02805 |
| | | | | | | FOE | $32,809.26 | $0.00006 |
| | | | | | | IRP | $1,242.40 | $0.00000 |
| *** TOTAL | | | | | | | $78,554,242.58 | $0.13256 |

[illegible]

I C  C O M P A N Y
UMMARY RATE
- TARIFF 1

PAGE NUMBER: 1
RUN DATE: 06/06/03
RUN TIME: 13:51:46

| | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|
| 0 | 0 | BASE | $5,009.70- | $0.0000 |
| | | | $5,009.70- | $0.00000 |
| 0 | 0 | BASE | $83.27- | $0.0000 |
| | | | $83.27- | $0.00000 |
| 0 | 0 | BASE | $52,872.00- | $0.0000 |
| | | | $52,872.00- | $0.00000 |
| 0 | 0 | BASE | $27,713.00- | $0.0000 |
| | | | $27,713.00- | $0.00000 |
| 0 | 0 | BASE | $17,555.36 | $0.0000 |
| | | | $17,555.36 | $0.00000 |
| 0 | 0 | BASE | $8,782.02 | $0.0000 |
| | | | $8,782.02 | $0.00000 |
| 2 | 796 | BASE | $137,718.90 | $0.0868 |
| | | DS1 | $2,625.84 | $0.0016 |
| | | FOE | $33,320.64 | $0.0210 |
| | | IRP | $202.89 | $0.0001 |
| | | | $173,868.27 | $0.10958 |
| 3 | 23,109 | BASE | $326,661.42 | $0.1062 |
| | | FOA | $89,604.95 | $0.0291 |
| | | IRP | $866.60 | $0.0002 |
| | | | $417,132.97 | $0.13572 |

STEM: CBRCM500
OGRAM: REV510
PORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 06/06/03
RUN TIME: 13:51:46

| IMARY E | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | 0 | 0 | 0 | 0 | 0 | BASE | $8,025.00 | $0.0000 |
| TOTAL | | | | | | | $8,025.00 | $0.00000 |
| | 29,010,812 | 24,918 | 1,164 | 24,652 | 1,177 | BASE | $3,973,059.01 | $0.1369 |
| | | | | | | DS2 | $67,103.05 | $0.0023 |
| | | | | | | FOA | $843,346.10 | $0.0290 |
| | | | | | | IRP | $7,572.29 | $0.0002 |
| TOTAL | | | | | | | $4,891,080.45 | $0.16860 |
| | 5,050,401 | 1,199 | 4,212 | 1,199 | 4,212 | BASE | $526,441.19 | $0.1042 |
| | | | | | | DS2 | $11,631.12 | $0.0023 |
| | | | | | | FOA | $146,473.52 | $0.0290 |
| | | | | | | IRP | $1,141.96 | $0.0002 |
| TOTAL | | | | | | | $685,687.79 | $0.13577 |
| | 150,158,497 | 6,363 | 23,599 | 6,371 | 23,569 | BASE | $15,739,149.47 | $0.1048 |
| | | | | | | DS2 | $354,837.07 | $0.0023 |
| | | | | | | FOA | $4,458,865.69 | $0.0296 |
| | | | | | | IRP | $29,720.00 | $0.0002 |
| TOTAL | | | | | | | $20,582,572.23 | $0.13707 |
| | 0 | 0 | 0 | 0 | 0 | BASE | $70,479.58 | $0.0000 |
| TOTAL | | | | | | | $70,479.58 | $0.00000 |
| | 1,225,517 | 50 | 24,510 | 50 | 24,510 | BASE | $0.00 | $0.0000 |
| TOTAL | | | | | | | $0.00 | $0.00000 |
| | 245,060,284 | 358 | 684,526 | 377 | 650,027 | BASE | $20,350,330.74 | $0.0830 |
| | | | | | | DS2 | $555,745.92 | $0.0022 |
| | | | | | | FOA | $6,966,414.82 | $0.0284 |
| | | | | | | IRP | $31,915.51 | $0.0001 |
| TOTAL | | | | | | | $27,904,406.99 | $0.11387 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 06/06/03
RUN TIME: 13:51:46

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| R | 159,362,141 | 248,795 | 641 | 247,861 | 643 | BASE | $19,760,633.58 | $0.1240 |
| | | | | | | DS1 | $361,712.32 | $0.0022 |
| | | | | | | FOA | $4,596,682.45 | $0.0288 |
| | | | | | | IRP | $29,591.11 | $0.0001 |
| * TOTAL | | | | | | | $24,748,619.46 | $0.15530 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,375.00 | $0.0000 |
| * TOTAL | | | | | | | $10,375.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $690.00 | $0.0000 |
| * TOTAL | | | | | | | $690.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,247.50 | $0.0000 |
| * TOTAL | | | | | | | $3,247.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $83.00- | $0.0000 |
| * TOTAL | | | | | | | $83.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,835.00 | $0.0000 |
| * TOTAL | | | | | | | $4,835.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $44,589.15 | $0.0000 |
| * TOTAL | | | | | | | $44,589.15 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,165.20 | $0.0000 |
| * TOTAL | | | | | | | $3,165.20 | $0.00000 |
| U | 126,480 | 1 | 126,480 | 1 | 126,480 | BASE | $4,417.14 | $0.0349 |
| | | | | | | DS2 | $291.28 | $0.0023 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 06/06/03
RUN TIME: 13:51:46

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $3,671.45 | $0.0290 |
| | | | | | | IRP | $10.15 | $0.0000 |
| * TOTAL | | | | | | | $8,390.02 | $0.06633 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $8,262.83- | $0.0000 |
| * TOTAL | | | | | | | $8,262.83- | $0.00000 |
| TARIFF | 594,654,236 | 284,070 | 2,093 | 282,636 | 2,104 | BASE | $60,896,131.46 | $0.10241 |
| | | | | | | DS1 | $364,338.16 | $0.00061 |
| | | | | | | DS2 | $989,608.44 | $0.00166 |
| | | | | | | FOA | $17,105,058.98 | $0.02876 |
| | | | | | | FOE | $33,320.64 | $0.00006 |
| | | | | | | IRP | $101,020.51 | $0.00017 |
| ** TOTAL | | | | | | | $79,489,478.19 | $0.13367 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2003 - TARIFF 1


RUN DATE: 06/06/03
RUN TIME: 13:51:46

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 594,654,236 | 284,070 | 2,093 | 282,636 | 2,104 | BASE | $60,896,131.46 | $0.10241 |
| | | | | | | DS1 | $364,338.16 | $0.00061 |
| | | | | | | DS2 | $989,608.44 | $0.00166 |
| | | | | | | FOA | $17,105,058.98 | $0.02876 |
| | | | | | | FOE | $33,320.64 | $0.00006 |
| | | | | | | IRP | $101,020.51 | $0.00017 |
| *** TOTAL | | | | | | | $79,489,478.19 | $0.13367 |

T R I C  C O M P A N Y
BY SUMMARY RATE
2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 07/04/03
RUN TIME: 01:41:41

| ETER OUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|
| 0 | 0 | BASE | $4,950.08- | $0.0000 |
| | | | $4,950.08- | $0.00000 |
| 0 | 0 | BASE | $58.09- | $0.0000 |
| | | | $58.09- | $0.00000 |
| 0 | 0 | BASE | $31,873.00- | $0.0000 |
| | | | $31,873.00- | $0.00000 |
| 0 | 0 | BASE | $18,725.50 | $0.0000 |
| | | | $18,725.50 | $0.00000 |
| 0 | 0 | BASE | $9,375.35 | $0.0000 |
| | | | $9,375.35 | $0.00000 |
| 0 | 0 | BASE | $10.37- | $0.0000 |
| | | | $10.37- | $0.00000 |
| 1,956 | 891 | BASE | $156,072.80 | $0.0895 |
| | | DS1 | $2,951.33 | $0.0016 |
| | | FOE | $36,797.43 | $0.0211 |
| | | IRP | $251.14 | $0.0001 |
| | | | $196,072.70 | $0.11251 |
| 131 | 22,850 | BASE | $318,349.41 | $0.1063 |
| | | FOA | $85,265.62 | $0.0284 |
| | | IRP | $150.70 | $0.0000 |
| | | | $403,765.73 | $0.13489 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 07/04/03
RUN TIME: 01:41:41

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $8,310.00 | $0.0000 |
| * TOTAL | | | | | | | $8,310.00 | $0.00000 |
| G | 31,497,279 | 24,848 | 1,268 | 24,582 | 1,281 | BASE | $4,252,487.12 | $0.1350 |
| | | | | | | DS2 | $72,501.53 | $0.0023 |
| | | | | | | FOA | $883,275.49 | $0.0280 |
| | | | | | | IRP | $4,999.36 | $0.0001 |
| * TOTAL | | | | | | | $5,213,263.50 | $0.16551 |
| H | 5,437,512 | 1,196 | 4,546 | 1,196 | 4,546 | BASE | $556,259.29 | $0.1023 |
| | | | | | | DS2 | $12,522.67 | $0.0023 |
| | | | | | | FOA | $151,841.45 | $0.0279 |
| | | | | | | IRP | $535.24 | $0.0001 |
| * TOTAL | | | | | | | $721,158.65 | $0.13263 |
| J | 168,982,436 | 6,387 | 26,457 | 6,395 | 26,424 | BASE | $16,889,494.65 | $0.0999 |
| | | | | | | DS2 | $389,466.09 | $0.0023 |
| | | | | | | FOA | $4,746,970.94 | $0.0280 |
| | | | | | | IRP | $20,421.91 | $0.0001 |
| * TOTAL | | | | | | | $22,046,353.59 | $0.13047 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $62,845.46 | $0.0000 |
| * TOTAL | | | | | | | $62,845.46 | $0.00000 |
| OWN | 1,344,691 | 48 | 28,014 | 48 | 28,014 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 262,724,625 | 356 | 737,991 | 372 | 706,249 | BASE | $21,658,850.56 | $0.0824 |
| | | | | | | DS2 | $604,439.88 | $0.0023 |
| | | | | | | FOA | $7,434,043.33 | $0.0283 |
| | | | | | | IRP | $34,030.15 | $0.0001 |
| * TOTAL | | | | | | | $29,731,363.92 | $0.11317 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2003 - TARIFF 1


RUN DATE: 07/04/03
RUN TIME: 01:41:41

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| R | 173,730,495 | 248,510 | 699 | 247,582 | 702 | BASE | $21,380,403.49 | $0.1230 |
| | | | | | | DS1 | $394,354.20 | $0.0022 |
| | | | | | | FOA | $4,914,630.85 | $0.0282 |
| | | | | | | IRP | $33,723.66 | $0.0001 |
| * TOTAL | | | | | | | $26,723,112.20 | $0.15382 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $11,760.00 | $0.0000 |
| * TOTAL | | | | | | | $11,760.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $540.00 | $0.0000 |
| * TOTAL | | | | | | | $540.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,625.00 | $0.0000 |
| * TOTAL | | | | | | | $2,625.00 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $237.08- | $0.0000 |
| * TOTAL | | | | | | | $237.08- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,300.00 | $0.0000 |
| * TOTAL | | | | | | | $5,300.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $51,297.50 | $0.0000 |
| * TOTAL | | | | | | | $51,297.50 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,143.30 | $0.0000 |
| * TOTAL | | | | | | | $3,143.30 | $0.00000 |
| U | 126,000 | 1 | 126,000 | 1 | 126,000 | BASE | $4,856.27 | $0.0385 |
| | | | | | | DS2 | $290.18 | $0.0023 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 07/04/03
RUN TIME: 01:41:41

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $3,510.05 | $0.0278 |
| | | | | | | IRP | $4.14 | $0.0000 |
| * TOTAL | | | | | | | $8,660.64 | $0.06874 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $8,355.34- | $0.0000 |
| * TOTAL | | | | | | | $8,355.34- | $0.00000 |
| TARIFF | 648,579,067 | 283,675 | 2,286 | 282,263 | 2,298 | BASE | $65,345,211.74 | $0.10075 |
| | | | | | | DS1 | $397,305.53 | $0.00061 |
| | | | | | | DS2 | $1,079,220.35 | $0.00166 |
| | | | | | | FOA | $18,219,537.73 | $0.02809 |
| | | | | | | FOE | $36,797.43 | $0.00006 |
| | | | | | | IRP | $94,116.30 | $0.00015 |
| ** TOTAL | | | | | | | $85,172,189.08 | $0.13132 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2003 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 07/04/03
RUN TIME: 01:41:41

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 648,579,067 | 283,675 | 2,286 | 282,263 | 2,298 | BASE | $65,345,211.74 | $0.10075 |
| | | | | | | DS1 | $397,305.53 | $0.00061 |
| | | | | | | DS2 | $1,079,220.35 | $0.00166 |
| | | | | | | FOA | $18,219,537.73 | $0.02809 |
| | | | | | | FOE | $36,797.43 | $0.00006 |
| | | | | | | IRP | $94,116.30 | $0.00015 |
| *** TOTAL | | | | | | | $85,172,189.08 | $0.13132 |

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 08/06/03
RUN TIME: 01:28:21

| CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|
| 0 | 0 | 0 | 0 | BASE | $5,555.48- | $0.0000 |
| | | | | | $5,555.48- | $0.00000 |
| 0 | 0 | 0 | 0 | BASE | $63.20- | $0.0000 |
| | | | | | $63.20- | $0.00000 |
| 0 | 0 | 0 | 0 | BASE | $9,673.00- | $0.0000 |
| | | | | | $9,673.00- | $0.00000 |
| 0 | 0 | 0 | 0 | BASE | $2,530.00- | $0.0000 |
| | | | | | $2,530.00- | $0.00000 |
| 0 | 0 | 0 | 0 | BASE | $17,662.32 | $0.0000 |
| | | | | | $17,662.32 | $0.00000 |
| 0 | 0 | 0 | 0 | BASE | $8,853.26 | $0.0000 |
| | | | | | $8,853.26 | $0.00000 |
| 1,940 | 866 | 1,940 | 866 | BASE | $150,257.87 | $0.0894 |
| | | | | DS1 | $2,838.83 | $0.0016 |
| | | | | FOE | $31,758.68 | $0.0188 |
| | | | | IRP | $0.28 | $0.0000 |
| | | | | | $184,855.66 | $0.10998 |
| 384 | 9,089 | 131 | 26,642 | BASE | $353,880.26 | $0.1013 |
| | | | | FOA | $71,628.05 | $0.0205 |
| | | | | IRP | $0.88- | $0.0000 |
| | | | | | $425,507.43 | $0.12192 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 08/06/03
RUN TIME: 01:28:21

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $6,360.00 | $0.0000 |
| * TOTAL | | | | | | | $6,360.00 | $0.00000 |
| G | 30,426,068 | 24,905 | 1,222 | 24,639 | 1,235 | BASE | $4,135,380.22 | $0.1359 |
| | | | | | | DS2 | $70,032.80 | $0.0023 |
| | | | | | | FOA | $754,396.63 | $0.0247 |
| | | | | | | IRP | $20.04 | $0.0000 |
| | | | | | | RD | $1.28- | $0.0000 |
| * TOTAL | | | | | | | $4,959,828.41 | $0.16301 |
| H | 5,342,079 | 1,205 | 4,433 | 1,205 | 4,433 | BASE | $550,174.03 | $0.1029 |
| | | | | | | DS2 | $12,307.04 | $0.0023 |
| | | | | | | FOA | $130,955.21 | $0.0245 |
| | | | | | | IRP | $1.54 | $0.0000 |
| | | | | | | RD | $0.04- | $0.0000 |
| * TOTAL | | | | | | | $693,437.78 | $0.12981 |
| J | 162,631,751 | 6,398 | 25,419 | 6,406 | 25,387 | BASE | $16,387,812.53 | $0.1007 |
| | | | | | | DS2 | $374,522.03 | $0.0023 |
| | | | | | | FOA | $4,038,027.20 | $0.0248 |
| | | | | | | IRP | $69.00 | $0.0000 |
| | | | | | | RD | $1.36- | $0.0000 |
| * TOTAL | | | | | | | $20,800,429.40 | $0.12790 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $78,311.58 | $0.0000 |
| * TOTAL | | | | | | | $78,311.58 | $0.00000 |
| OWN | 1,256,001 | 50 | 25,120 | 50 | 25,120 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 259,873,465 | 356 | 729,982 | 376 | 691,153 | BASE | $21,605,874.74 | $0.0831 |
| | | | | | | DS2 | $598,488.58 | $0.0023 |
| | | | | | | FOA | $6,578,380.41 | $0.0253 |

I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2003 - TARIFF 1


RUN DATE: 08/06/03
RUN TIME: 01:28:21

| KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|
| | | | IRP | $70.22 | $0.0000 |
| | | | | $28,782,813.95 | $0.11076 |
| 678 | 248,550 | 680 | BASE | $20,865,239.95 | $0.1233 |
| | | | DS1 | $383,845.77 | $0.0022 |
| | | | FOA | $4,285,389.70 | $0.0253 |
| | | | IRP | $50.32 | $0.0000 |
| | | | RD | $6.06- | $0.0000 |
| | | | | $25,534,519.68 | $0.15100 |
| 0 | 0 | 0 | BASE | $10,810.00 | $0.0000 |
| | | | | $10,810.00 | $0.00000 |
| 0 | 0 | 0 | BASE | $405.00 | $0.0000 |
| | | | | $405.00 | $0.00000 |
| 0 | 0 | 0 | BASE | $3,712.50 | $0.0000 |
| | | | | $3,712.50 | $0.00000 |
| 0 | 0 | 0 | BASE | $111.00- | $0.0000 |
| | | | | $111.00- | $0.00000 |
| 0 | 0 | 0 | BASE | $5,147.50 | $0.0000 |
| | | | | $5,147.50 | $0.00000 |
| 0 | 0 | 0 | BASE | $55,515.00 | $0.0000 |
| | | | | $55,515.00 | $0.00000 |
| 0 | 0 | 0 | BASE | $3,125.01 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 08/06/03
RUN TIME: 01:28:21

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $3,125.01 | $0.00000 |
| U | 133,040 | 1 | 133,040 | 1 | 133,040 | BASE | $5,277.85 | $0.0396 |
| | | | | | | DS2 | $306.39 | $0.0023 |
| | | | | | | FOA | $3,225.24 | $0.0242 |
| * TOTAL | | | | | | | $8,809.48 | $0.06622 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $8,636.16- | $0.0000 |
| * TOTAL | | | | | | | $8,636.16- | $0.00000 |
| TARIFF | 633,935,799 | 284,711 | 2,227 | 283,298 | 2,238 | BASE | $64,217,230.78 | $0.10130 |
| | | | | | | DS1 | $386,684.60 | $0.00061 |
| | | | | | | DS2 | $1,055,656.84 | $0.00167 |
| | | | | | | FOA | $15,862,002.44 | $0.02502 |
| | | | | | | FOE | $31,758.68 | $0.00005 |
| | | | | | | IRP | $210.52 | $0.00000 |
| | | | | | | RD | $8.74- | $0.00000 |
| ** TOTAL | | | | | | | $81,553,535.12 | $0.12865 |

T R I C  C O M P A N Y
BY SUMMARY RATE
2003 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 08/06/03
RUN TIME: 01:28:21

| ETER OUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|
| 3,298 | 2,238 | BASE | $64,217,230.78 | $0.10130 |
| | | DS1 | $386,684.60 | $0.00061 |
| | | DS2 | $1,055,656.84 | $0.00167 |
| | | FOA | $15,862,002.44 | $0.02502 |
| | | FOE | $31,758.68 | $0.00005 |
| | | IRP | $210.52 | $0.00000 |
| | | RD | $8.74- | $0.00000 |
| | | | $81,553,535.12 | $0.12865 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 09/05/03
RUN TIME: 00:17:31

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $4,854.70- | $0.0000 |
| * TOTAL | | | | | | | $4,854.70- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $66.38- | $0.0000 |
| * TOTAL | | | | | | | $66.38- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $22,033.00- | $0.0000 |
| * TOTAL | | | | | | | $22,033.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $2,400.00- | $0.0000 |
| * TOTAL | | | | | | | $2,400.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,796.87 | $0.0000 |
| * TOTAL | | | | | | | $17,796.87 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,158.50 | $0.0000 |
| * TOTAL | | | | | | | $9,158.50 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $0.46- | $0.0000 |
| * TOTAL | | | | | | | $0.46- | $0.00000 |
| E | 1,767,885 | 1,940 | 911 | 1,940 | 911 | BASE | $159,073.28 | $0.0899 |
| | | | | | | DS1 | $3,016.09 | $0.0017 |
| | | | | | | FOE | $30,404.90 | $0.0172 |
| | | | | | | RDE | $432.48- | $0.0002 |
| * TOTAL | | | | | | | $192,061.79 | $0.10864 |
| F | 3,230,414 | 407 | 7,937 | 129 | 25,042 | BASE | $342,830.07 | $0.1061 |
| | | | | | | FOA | $69,503.62 | $0.0215 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 09/05/03
RUN TIME: 00:17:31

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $0.90 | $0.0000 |
| | | | | | | RD | $1,612.16- | $0.0005 |
| * TOTAL | | | | | | | $410,722.43 | $0.12714 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $6,255.00 | $0.0000 |
| * TOTAL | | | | | | | $6,255.00 | $0.00000 |
| G | 32,246,594 | 24,866 | 1,297 | 24,600 | 1,311 | BASE | $4,336,455.02 | $0.1344 |
| | | | | | | DS2 | $74,227.74 | $0.0023 |
| | | | | | | FOA | $733,540.95 | $0.0227 |
| | | | | | | IRP | $2.37 | $0.0000 |
| | | | | | | RD | $15,329.80- | $0.0004 |
| * TOTAL | | | | | | | $5,128,896.28 | $0.15905 |
| H | 5,561,079 | 1,157 | 4,806 | 1,157 | 4,806 | BASE | $562,017.73 | $0.1010 |
| | | | | | | DS2 | $12,807.23 | $0.0023 |
| | | | | | | FOA | $126,189.24 | $0.0226 |
| | | | | | | IRP | $0.17- | $0.0000 |
| | | | | | | RD | $2,237.04- | $0.0004 |
| * TOTAL | | | | | | | $698,776.99 | $0.12565 |
| J | 173,423,584 | 6,393 | 27,127 | 6,401 | 27,093 | BASE | $17,295,009.25 | $0.0997 |
| | | | | | | DS2 | $399,122.18 | $0.0023 |
| | | | | | | FOA | $3,944,958.22 | $0.0227 |
| | | | | | | IRP | $0.27 | $0.0000 |
| | | | | | | RD | $60,722.47- | $0.0003 |
| * TOTAL | | | | | | | $21,578,367.45 | $0.12443 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $76,260.18 | $0.0000 |
| * TOTAL | | | | | | | $76,260.18 | $0.00000 |
| OWN | 1,185,861 | 46 | 25,780 | 46 | 25,780 | BASE | $0.00 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 09/05/03
RUN TIME: 00:17:31

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 264,979,416 | 353 | 750,650 | 372 | 712,310 | BASE | $21,921,657.20 | $0.0827 |
| | | | | | | DS2 | $610,250.52 | $0.0023 |
| | | | | | | FOA | $6,059,761.69 | $0.0228 |
| | | | | | | RD | $64,001.44- | $0.0002 |
| * TOTAL | | | | | | | $28,527,667.97 | $0.10766 |
| R | 179,412,779 | 248,987 | 721 | 248,061 | 723 | BASE | $22,003,630.39 | $0.1226 |
| | | | | | | DS1 | $406,904.80 | $0.0022 |
| | | | | | | FOA | $4,100,217.66 | $0.0228 |
| | | | | | | IRP | $3.44 | $0.0000 |
| | | | | | | RD | $61,404.40- | $0.0003 |
| * TOTAL | | | | | | | $26,449,351.89 | $0.14742 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $9,205.00 | $0.0000 |
| * TOTAL | | | | | | | $9,205.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $405.00 | $0.0000 |
| * TOTAL | | | | | | | $405.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,097.50 | $0.0000 |
| * TOTAL | | | | | | | $3,097.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $297.00- | $0.0000 |
| * TOTAL | | | | | | | $297.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,330.00 | $0.0000 |
| * TOTAL | | | | | | | $5,330.00 | $0.00000 |

GE NUMBER: 4
N DATE: 09/05/03
N TIME: 00:17:31

| | COST/ KWH |
|---|---|
| 0.00 | $0.0000 |
| 00 | $0.00000 |
| 8.34 | $0.0000 |
| 34 | $0.00000 |
| 8.02 | $0.0353 |
| 3.96 | $0.0023 |
| 3.25 | $0.0226 |
| 8.10- | $0.0001 |
| 13 | $0.06016 |
| 4.33- | $0.0000 |
| 33- | $0.00000 |
| 48 | $0.10088 |
| 89 | $0.00062 |
| 63 | $0.00166 |
| 63 | $0.02272 |
| 90 | $0.00005 |
| 81 | $0.00000 |
| 41- | $0.00031- |
| 48- | $0.00000 |
| 45 | $0.12561 |

| REVENUE AMOUNT | COST/ KWH |
|---|---|
| $66,773,501.48 | $0.10088 |
| $409,920.89 | $0.00062 |
| $1,096,681.63 | $0.00166 |
| $15,036,864.63 | $0.02272 |
| $30,404.90 | $0.00005 |
| $6.81 | $0.00000 |
| $205,325.41- | $0.00031- |
| $432.48- | $0.00000 |
| $83,141,622.45 | $0.12561 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 10/04/03
RUN TIME: 00:39:50

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,279.18- | $0.0000 |
| * TOTAL | | | | | | | $5,279.18- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $60.94- | $0.0000 |
| * TOTAL | | | | | | | $60.94- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $49,194.00- | $0.0000 |
| * TOTAL | | | | | | | $49,194.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $6,766.00- | $0.0000 |
| * TOTAL | | | | | | | $6,766.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $18,055.46 | $0.0000 |
| * TOTAL | | | | | | | $18,055.46 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,188.77 | $0.0000 |
| * TOTAL | | | | | | | $9,188.77 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $6.92- | $0.0000 |
| * TOTAL | | | | | | | $6.92- | $0.00000 |
| E | 1,816,131 | 1,944 | 934 | 1,944 | 934 | BASE | $164,158.09 | $0.0903 |
| | | | | | | DS1 | $3,117.85 | $0.0017 |
| | | | | | | FOE | $30,081.24 | $0.0165 |
| | | | | | | RDE | $919.66- | $0.0005 |
| * TOTAL | | | | | | | $196,437.52 | $0.10816 |
| F | 3,731,734 | 385 | 9,693 | 130 | 28,706 | BASE | $396,987.78 | $0.1063 |
| | | | | | | FOA | $69,044.06 | $0.0185 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 10/04/03
RUN TIME: 00:39:50

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $1.85 | $0.0000 |
| | | | | | | RD | $1,865.01- | $0.0005 |
| * TOTAL | | | | | | | $464,168.68 | $0.12438 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $7,110.00 | $0.0000 |
| * TOTAL | | | | | | | $7,110.00 | $0.00000 |
| G | 32,144,870 | 25,164 | 1,277 | 24,898 | 1,291 | BASE | $4,334,388.67 | $0.1348 |
| | | | | | | DS2 | $74,002.09 | $0.0023 |
| | | | | | | FOA | $698,705.65 | $0.0217 |
| | | | | | | IRP | $2.79 | $0.0000 |
| | | | | | | RD | $24,004.36- | $0.0007 |
| * TOTAL | | | | | | | $5,083,094.84 | $0.15813 |
| H | 5,365,007 | 1,137 | 4,719 | 1,137 | 4,719 | BASE | $543,004.78 | $0.1012 |
| | | | | | | DS2 | $12,355.01 | $0.0023 |
| | | | | | | FOA | $116,055.07 | $0.0216 |
| | | | | | | IRP | $2.69- | $0.0000 |
| | | | | | | RD | $3,082.27- | $0.0005 |
| * TOTAL | | | | | | | $668,329.90 | $0.12457 |
| J | 175,096,077 | 6,450 | 27,147 | 6,458 | 27,113 | BASE | $17,448,508.87 | $0.0996 |
| | | | | | | DS2 | $403,318.50 | $0.0023 |
| | | | | | | FOA | $3,808,470.71 | $0.0217 |
| | | | | | | IRP | $1.82- | $0.0000 |
| | | | | | | RD | $97,961.02- | $0.0005 |
| * TOTAL | | | | | | | $21,562,335.24 | $0.12315 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $83,246.92 | $0.0000 |
| * TOTAL | | | | | | | $83,246.92 | $0.00000 |
| OWN | 981,506 | 46 | 21,337 | 46 | 21,337 | BASE | $0.00 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 10/04/03
RUN TIME: 00:39:50

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 282,576,198 | 352 | 802,773 | 371 | 761,661 | BASE | $22,985,303.37 | $0.0813 |
| | | | | | | DS2 | $650,751.01 | $0.0023 |
| | | | | | | FOA | $6,182,079.73 | $0.0218 |
| | | | | | | RD | $129,480.67- | $0.0004 |
| * TOTAL | | | | | | | $29,688,653.44 | $0.10506 |
| R | 183,234,050 | 250,223 | 732 | 249,324 | 735 | BASE | $22,464,185.49 | $0.1226 |
| | | | | | | DS1 | $415,960.42 | $0.0022 |
| | | | | | | FOA | $4,010,217.05 | $0.0218 |
| | | | | | | IRP | $1.28 | $0.0000 |
| | | | | | | RD | $125,620.71- | $0.0006 |
| * TOTAL | | | | | | | $26,764,743.53 | $0.14607 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,215.00 | $0.0000 |
| * TOTAL | | | | | | | $10,215.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $915.00 | $0.0000 |
| * TOTAL | | | | | | | $915.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,105.00 | $0.0000 |
| * TOTAL | | | | | | | $3,105.00 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $249.00- | $0.0000 |
| * TOTAL | | | | | | | $249.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,145.00 | $0.0000 |
| * TOTAL | | | | | | | $5,145.00 | $0.00000 |

Y

PAGE NUMBER: 4
RUN DATE: 10/04/03
RUN TIME: 00:39:50

| E/ADJ EDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|
| BASE | $59,115.00 | $0.0000 |
| | $59,115.00 | $0.00000 |
| BASE | $3,102.29 | $0.0000 |
| | $3,102.29 | $0.00000 |
| BASE | $4,802.24 | $0.0364 |
| DS2 | $303.63 | $0.0023 |
| FOA | $2,848.98 | $0.0216 |
| RD | $26.94- | $0.0002 |
| | $7,927.91 | $0.06013 |
| BASE | $9,265.84- | $0.0000 |
| | $9,265.84- | $0.00000 |
| ASE | $68,469,715.85 | $0.09994 |
| S1 | $419,078.27 | $0.00061 |
| S2 | $1,140,730.24 | $0.00167 |
| DA | $14,887,421.25 | $0.02173 |
| DE | $30,081.24 | $0.00004 |
| RP | $1.41 | $0.00000 |
| D | $382,040.98- | $0.00056- |
| DE | $919.66- | $0.00000 |
| | $84,564,067.62 | $0.12344 |

PAGE NUMBER: 5
RUN DATE: 10/04/03
RUN TIME: 00:39:50

| /ADJ DULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|
| SE | $68,469,715.85 | $0.09994 |
| 1 | $419,078.27 | $0.00061 |
| 2 | $1,140,730.24 | $0.00167 |
| A | $14,887,421.25 | $0.02173 |
| E | $30,081.24 | $0.00004 |
| 6 | $1.41 | $0.00000 |
| | $382,040.98- | $0.00056- |
| E | $919.66- | $0.00000 |
| | $84,564,067.62 | $0.12344 |

PAGE NUMBER: 1
RUN DATE: 11/06/03
RUN TIME: 00:38:54

| ADJ JLE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|
| ASE | $5,661.48- | $0.0000 |
| | $5,661.48- | $0.00000 |
| ASE | $79.47- | $0.0000 |
| | $79.47- | $0.00000 |
| ASE | $10,400.00- | $0.0000 |
| | $10,400.00- | $0.00000 |
| ASE | $36,681.00- | $0.0000 |
| | $36,681.00- | $0.00000 |
| ASE | $10,634.00- | $0.0000 |
| | $10,634.00- | $0.00000 |
| ASE | $17,985.38 | $0.0000 |
| | $17,985.38 | $0.00000 |
| ASE | $9,060.90 | $0.0000 |
| | $9,060.90 | $0.00000 |
| ASE | $156,546.94 | $0.0897 |
| 31 | $2,965.25 | $0.0017 |
| DE | $27,262.57 | $0.0156 |
| DE | $878.38- | $0.0005 |
| | $185,896.38 | $0.10659 |
| ASE | $342,324.68 | $0.1055 |
| DA | $65,073.97 | $0.0200 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 11/06/03
RUN TIME: 00:38:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SOHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $0.27 | $0.0000 |
| | | | | | | RD | $1,874.91- | $0.0005 |
| * TOTAL | | | | | | | $405,524.01 | $0.12501 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $5,730.00 | $0.0000 |
| * TOTAL | | | | | | | $5,730.00 | $0.00000 |
| G | 31,714,033 | 24,983 | 1,269 | 24,717 | 1,283 | BASE | $4,279,576.88 | $0.1349 |
| | | | | | | DS2 | $73,000.40 | $0.0023 |
| | | | | | | FOA | $657,164.22 | $0.0207 |
| | | | | | | IRP | $0.91- | $0.0000 |
| | | | | | | RD | $23,807.85- | $0.0007 |
| * TOTAL | | | | | | | $4,985,932.74 | $0.15722 |
| H | 5,458,760 | 1,172 | 4,658 | 1,172 | 4,658 | BASE | $554,911.44 | $0.1016 |
| | | | | | | DS2 | $12,571.66 | $0.0023 |
| | | | | | | FOA | $112,957.00 | $0.0206 |
| | | | | | | IRP | $0.09 | $0.0000 |
| | | | | | | RD | $3,110.11- | $0.0005 |
| * TOTAL | | | | | | | $677,330.08 | $0.12408 |
| INT | 0 | 0 | 0 | 0 | 0 | BASE | $0.48- | $0.0000 |
| * TOTAL | | | | | | | $0.48- | $0.00000 |
| J | 172,438,225 | 6,466 | 26,668 | 6,474 | 26,635 | BASE | $17,334,244.46 | $0.1005 |
| | | | | | | DS2 | $396,997.45 | $0.0023 |
| | | | | | | FOA | $3,576,715.10 | $0.0207 |
| | | | | | | IRP | $0.63 | $0.0000 |
| | | | | | | RD | $96,434.76- | $0.0005 |
| * TOTAL | | | | | | | $21,211,522.88 | $0.12301 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $78,091.96 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 11/06/03
RUN TIME: 00:38:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $78,091.96 | $0.00000 |
| OWN | 1,805,863 | 45 | 40,130 | 45 | 40,130 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 266,467,191 | 350 | 761,335 | 367 | 726,069 | BASE | $22,035,288.71 | $0.0826 |
| | | | | | | DS2 | $613,673.98 | $0.0023 |
| | | | | | | FOA | $5,555,211.06 | $0.0208 |
| | | | | | | RD | $124,180.39- | $0.0004 |
| * TOTAL | | | | | | | $28,079,993.36 | $0.10538 |
| R | 178,451,109 | 250,153 | 713 | 249,257 | 716 | BASE | $21,920,250.84 | $0.1228 |
| | | | | | | DS1 | $405,015.23 | $0.0022 |
| | | | | | | FOA | $3,722,181.56 | $0.0208 |
| | | | | | | IRP | $0.15 | $0.0000 |
| | | | | | | RD | $122,679.76- | $0.0006 |
| * TOTAL | | | | | | | $25,924,768.02 | $0.14528 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,280.00 | $0.0000 |
| * TOTAL | | | | | | | $10,280.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $615.00 | $0.0000 |
| * TOTAL | | | | | | | $615.00 | $0.00000 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,382.50 | $0.0000 |
| * TOTAL | | | | | | | $3,382.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $155.00- | $0.0000 |
| * TOTAL | | | | | | | $155.00- | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 11/06/03
RUN TIME: 00:38:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,750.00 | $0.0000 |
| * TOTAL | | | | | | | $5,750.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $51,345.00 | $0.0000 |
| * TOTAL | | | | | | | $51,345.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,061.50 | $0.0000 |
| * TOTAL | | | | | | | $3,061.50 | $0.00000 |
| U | 124,960 | 1 | 124,960 | 1 | 124,960 | BASE | $4,375.27 | $0.0350 |
| | | | | | | DS2 | $287.78 | $0.0023 |
| | | | | | | FOA | $2,576.38 | $0.0206 |
| | | | | | | RD | $24.55- | $0.0002 |
| * TOTAL | | | | | | | $7,214.88 | $0.05774 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $9,396.53- | $0.0000 |
| * TOTAL | | | | | | | $9,396.53- | $0.00000 |
| TARIFF | 661,448,193 | 285,502 | 2,317 | 284,110 | 2,328 | BASE | $66,739,813.50 | $0.10090 |
| | | | | | | DS1 | $407,980.48 | $0.00062 |
| | | | | | | DS2 | $1,096,531.27 | $0.00166 |
| | | | | | | FOA | $13,691,879.29 | $0.02070 |
| | | | | | | FOE | $27,262.57 | $0.00004 |
| | | | | | | IRP | $0.23 | $0.00000 |
| | | | | | | RD | $372,112.33- | $0.00056- |
| | | | | | | RDE | $878.38- | $0.00000 |
| ** TOTAL | | | | | | | $81,590,476.63 | $0.12335 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2003 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 11/06/03
RUN TIME: 00:38:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 661,448,193 | 285,502 | 2,317 | 284,110 | 2,328 | BASE | $66,739,813.50 | $0.10090 |
| | | | | | | DS1 | $407,980.48 | $0.00062 |
| | | | | | | DS2 | $1,096,531.27 | $0.00166 |
| | | | | | | FOA | $13,691,879.29 | $0.02070 |
| | | | | | | FOE | $27,262.57 | $0.00004 |
| | | | | | | IRP | $0.23 | $0.00000 |
| | | | | | | RD | $372,112.33- | $0.00056- |
| | | | | | | RDE | $878.38- | $0.00000 |
| *** TOTAL | | | | | | | $81,590,476.63 | $0.12335 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 12/04/03
RUN TIME: 00:13:46

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $3,789.42- | $0.0000 |
| * TOTAL | | | | | | | $3,789.42- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $76.95- | $0.0000 |
| * TOTAL | | | | | | | $76.95- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $4,000.00- | $0.0000 |
| * TOTAL | | | | | | | $4,000.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $60,057.00- | $0.0000 |
| * TOTAL | | | | | | | $60,057.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $504.00- | $0.0000 |
| * TOTAL | | | | | | | $504.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $18,760.28 | $0.0000 |
| * TOTAL | | | | | | | $18,760.28 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,676.88 | $0.0000 |
| * TOTAL | | | | | | | $9,676.88 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $36.12 | $0.0000 |
| * TOTAL | | | | | | | $36.12 | $0.00000 |
| E | 1,829,054 | 1,970 | 928 | 1,970 | 928 | BASE | $164,292.46 | $0.0898 |
| | | | | | | DS1 | $3,021.52 | $0.0016 |
| | | | | | | FOE | $27,225.09 | $0.0148 |
| | | | | | | IRP | $0.37 | $0.0000 |
| | | | | | | RDE | $884.04- | $0.0004 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 12/04/03
RUN TIME: 00:13:46

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $193,655.40 | $0.10588 |
| F | 3,285,361 | 426 | 7,712 | 130 | 25,272 | BASE | $346,156.18 | $0.1053 |
| | | | | | | FOA | $67,419.03 | $0.0205 |
| | | | | | | IRP | $0.94 | $0.0000 |
| | | | | | | RD | $1,914.44- | $0.0005 |
| * TOTAL | | | | | | | $411,661.71 | $0.12530 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $6,525.00 | $0.0000 |
| * TOTAL | | | | | | | $6,525.00 | $0.00000 |
| G | 31,139,060 | 25,012 | 1,245 | 24,746 | 1,258 | BASE | $4,216,808.03 | $0.1354 |
| | | | | | | DS2 | $71,677.04 | $0.0023 |
| | | | | | | FOA | $636,590.11 | $0.0204 |
| | | | | | | IRP | $0.58- | $0.0000 |
| | | | | | | RD | $23,307.17- | $0.0007 |
| * TOTAL | | | | | | | $4,901,767.43 | $0.15742 |
| H | 5,162,021 | 1,167 | 4,423 | 1,167 | 4,423 | BASE | $531,021.97 | $0.1028 |
| | | | | | | DS2 | $11,902.60 | $0.0023 |
| | | | | | | FOA | $105,762.41 | $0.0204 |
| | | | | | | RD | $2,968.54- | $0.0005 |
| * TOTAL | | | | | | | $645,718.44 | $0.12509 |
| J | 166,830,575 | 6,396 | 26,084 | 6,404 | 26,051 | BASE | $16,791,752.58 | $0.1006 |
| | | | | | | DS2 | $384,212.84 | $0.0023 |
| | | | | | | FOA | $3,412,743.23 | $0.0204 |
| | | | | | | RD | $93,951.05- | $0.0005 |
| * TOTAL | | | | | | | $20,494,757.60 | $0.12285 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $79,076.51 | $0.0000 |
| * TOTAL | | | | | | | $79,076.51 | $0.00000 |

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2003 - TARIFF 1


RUN DATE: 12/04/03
RUN TIME: 00:13:46

| KWATT S SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|
| 294,004 | 50 | 25,880 | 50 | 25,880 | BASE | $0.00 | $0.0000 |
| | | | | | | $0.00 | $0.00000 |
| 62,830 | 350 | 739,037 | 367 | 704,803 | BASE | $21,493,342.30 | $0.0830 |
| | | | | | DS2 | $595,700.53 | $0.0023 |
| | | | | | FOA | $5,289,329.83 | $0.0204 |
| | | | | | RD | $120,700.74- | $0.0004 |
| | | | | | | $27,257,671.92 | $0.10538 |
| 38,164 | 250,252 | 725 | 249,358 | 728 | BASE | $22,271,470.60 | $0.1226 |
| | | | | | DS1 | $412,196.55 | $0.0022 |
| | | | | | FOA | $3,710,875.72 | $0.0204 |
| | | | | | IRP | $0.17- | $0.0000 |
| | | | | | RD | $124,293.20- | $0.0006 |
| | | | | | | $26,270,249.50 | $0.14471 |
| 0 | 0 | 0 | 0 | 0 | BASE | $9,072.50 | $0.0000 |
| | | | | | | $9,072.50 | $0.00000 |
| 0 | 0 | 0 | 0 | 0 | BASE | $615.00 | $0.0000 |
| | | | | | | $615.00 | $0.00000 |
| 9,513 | 8 | 1,189 | 8 | 1,189 | BASE | $1,187.65 | $0.1248 |
| | | | | | DS1 | $18.01 | $0.0018 |
| | | | | | FOA | $194.78 | $0.0204 |
| | | | | | IRP | $3.59 | $0.0003 |
| | | | | | RD | $6.66- | $0.0007 |
| | | | | | | $1,397.37 | $0.14689 |
| 0 | 0 | 0 | 0 | 0 | BASE | $3,435.00 | $0.0000 |
| | | | | | | $3,435.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 12/04/03
RUN TIME: 00:13:46

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $77.00- | $0.0000 |
| * TOTAL | | | | | | | $77.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,825.00 | $0.0000 |
| * TOTAL | | | | | | | $4,825.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $50,250.00 | $0.0000 |
| * TOTAL | | | | | | | $50,250.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,061.10 | $0.0000 |
| * TOTAL | | | | | | | $3,061.10 | $0.00000 |
| U | 118,080 | 1 | 118,080 | 1 | 118,080 | BASE | $4,166.27 | $0.0352 |
| | | | | | | DS2 | $271.94 | $0.0023 |
| | | | | | | FOA | $2,416.00 | $0.0204 |
| | | | | | | RD | $23.25- | $0.0002 |
| * TOTAL | | | | | | | $6,830.96 | $0.05785 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $9,696.00- | $0.0000 |
| * TOTAL | | | | | | | $9,696.00- | $0.00000 |
| TARIFF | 649,868,662 | 285,632 | 2,275 | 284,201 | 2,287 | BASE | $65,927,331.06 | $0.10145 |
| | | | | | | DS1 | $415,236.08 | $0.00064 |
| | | | | | | DS2 | $1,063,764.95 | $0.00164 |
| | | | | | | FOA | $13,225,331.11 | $0.02035 |
| | | | | | | FOE | $27,225.09 | $0.00004 |
| | | | | | | IRP | $4.15 | $0.00000 |
| | | | | | | RD | $367,165.05- | $0.00056- |
| | | | | | | RDE | $884.04- | $0.00000 |
| ** TOTAL | | | | | | | $80,290,843.35 | $0.12355 |

PAGE NUMBER: 5
RUN DATE: 12/04/03
RUN TIME: 00:13:46

| REVENUE AMOUNT | COST/ KWH |
|---|---|
| $65,927,331.06 | $0.10145 |
| $415,236.08 | $0.00064 |
| $1,063,764.95 | $0.00164 |
| $13,225,331.11 | $0.02035 |
| $27,225.09 | $0.00004 |
| $4.15 | $0.00000 |
| $367,165.05- | $0.00056- |
| $884.04- | $0.00000 |
| $80,290,843.35 | $0.12355 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2003 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 01/07/04
RUN TIME: 03:30:13

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $6,131.33- | $0.0000 |
| * TOTAL | | | | | | | $6,131.33- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $81.39- | $0.0000 |
| * TOTAL | | | | | | | $81.39- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $5,600.00- | $0.0000 |
| * TOTAL | | | | | | | $5,600.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $57,494.00- | $0.0000 |
| * TOTAL | | | | | | | $57,494.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,579.69 | $0.0000 |
| * TOTAL | | | | | | | $17,579.69 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $8,939.25 | $0.0000 |
| * TOTAL | | | | | | | $8,939.25 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $7.36- | $0.0000 |
| * TOTAL | | | | | | | $7.36- | $0.00000 |
| E | 1,633,821 | 1,944 | 840 | 1,944 | 840 | BASE | $145,151.49 | $0.0888 |
| | | | | | | DS1 | $2,735.66 | $0.0016 |
| | | | | | | FOE | $25,405.16 | $0.0155 |
| | | | | | | RDE | $808.25- | $0.0004 |
| * TOTAL | | | | | | | $172,484.06 | $0.10557 |
| F | 3,238,768 | 386 | 8,391 | 131 | 24,723 | BASE | $341,305.52 | $0.1053 |
| | | | | | | FOA | $69,887.69 | $0.0215 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2003 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 01/07/04
RUN TIME: 03:30:13

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $0.00 | $0.0000 |
| | | | | | | RD | $1,900.08- | $0.0005 |
| * TOTAL | | | | | | | $409,293.13 | $0.12637 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $6,075.00 | $0.0000 |
| * TOTAL | | | | | | | $6,075.00 | $0.00000 |
| G | 28,853,987 | 25,271 | 1,142 | 25,005 | 1,154 | BASE | $3,964,704.40 | $0.1374 |
| | | | | | | DS2 | $66,992.92 | $0.0023 |
| | | | | | | FOA | $617,747.13 | $0.0214 |
| | | | | | | IRP | $1.30 | $0.0000 |
| | | | | | | RD | $21,937.80- | $0.0007 |
| * TOTAL | | | | | | | $4,627,507.95 | $0.16038 |
| H | 4,761,380 | 1,157 | 4,115 | 1,157 | 4,115 | BASE | $499,141.32 | $0.1048 |
| | | | | | | DS2 | $10,965.65 | $0.0023 |
| | | | | | | FOA | $101,637.59 | $0.0213 |
| | | | | | | IRP | $0.19- | $0.0000 |
| | | | | | | RD | $2,781.39- | $0.0005 |
| * TOTAL | | | | | | | $608,962.98 | $0.12790 |
| J | 156,802,426 | 6,475 | 24,217 | 6,483 | 24,187 | BASE | $16,023,513.23 | $0.1021 |
| | | | | | | DS2 | $361,056.13 | $0.0023 |
| | | | | | | FOA | $3,331,188.67 | $0.0212 |
| | | | | | | RD | $89,350.91- | $0.0005 |
| * TOTAL | | | | | | | $19,626,407.12 | $0.12517 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $82,620.87 | $0.0000 |
| * TOTAL | | | | | | | $82,620.87 | $0.00000 |
| OWN | 1,172,055 | 45 | 26,046 | 45 | 26,046 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2003 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 01/07/04
RUN TIME: 03:30:13

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| P | 261,829,971 | 354 | 739,633 | 372 | 703,844 | BASE | $21,613,249.96 | $0.0825 |
| | | | | | | DS2 | $601,811.59 | $0.0023 |
| | | | | | | FOA | $5,512,735.95 | $0.0210 |
| | | | | | | RD | $121,081.95- | $0.0004 |
| * TOTAL | | | | | | | $27,606,715.55 | $0.10544 |
| R | 169,857,186 | 251,057 | 677 | 250,163 | 679 | BASE | $20,958,335.86 | $0.1233 |
| | | | | | | DS1 | $385,483.25 | $0.0022 |
| | | | | | | FOA | $3,581,961.51 | $0.0210 |
| | | | | | | IRP | $0.53 | $0.0000 |
| | | | | | | RD | $116,417.75- | $0.0006 |
| * TOTAL | | | | | | | $24,809,363.40 | $0.14606 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $11,375.00 | $0.0000 |
| * TOTAL | | | | | | | $11,375.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $570.00 | $0.0000 |
| * TOTAL | | | | | | | $570.00 | $0.00000 |
| RT | 40,653 | 32 | 1,270 | 32 | 1,270 | BASE | $4,896.38 | $0.1204 |
| | | | | | | DS1 | $92.34 | $0.0022 |
| | | | | | | FOA | $856.45 | $0.0210 |
| | | | | | | RD | $27.46- | $0.0006 |
| * TOTAL | | | | | | | $5,817.71 | $0.14311 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,172.50 | $0.0000 |
| * TOTAL | | | | | | | $3,172.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $246.50- | $0.0000 |
| * TOTAL | | | | | | | $246.50- | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2003 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 01/07/04
RUN TIME: 03:30:13

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,540.00 | $0.0000 |
| * TOTAL | | | | | | | $5,540.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $47,129.87 | $0.0000 |
| * TOTAL | | | | | | | $47,129.87 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,216.63 | $0.0000 |
| * TOTAL | | | | | | | $3,216.63 | $0.00000 |
| U | 135,120 | 1 | 135,120 | 1 | 135,120 | BASE | $4,678.24 | $0.0346 |
| | | | | | | DS2 | $311.18 | $0.0023 |
| | | | | | | FOA | $2,889.04 | $0.0213 |
| | | | | | | RD | $26.06- | $0.0001 |
| * TOTAL | | | | | | | $7,852.40 | $0.05811 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $9,914.82- | $0.0000 |
| * TOTAL | | | | | | | $9,914.82- | $0.00000 |
| TARIFF | 628,325,367 | 286,722 | 2,191 | 285,333 | 2,202 | BASE | $63,661,719.81 | $0.10132 |
| | | | | | | DS1 | $388,311.25 | $0.00062 |
| | | | | | | DS2 | $1,041,137.47 | $0.00166 |
| | | | | | | FOA | $13,218,904.03 | $0.02104 |
| | | | | | | FOE | $25,405.16 | $0.00004 |
| | | | | | | IRP | $1.64 | $0.00000 |
| | | | | | | RD | $353,523.40- | $0.00056- |
| | | | | | | RDE | $808.25- | $0.00000 |
| ** TOTAL | | | | | | | $77,981,147.71 | $0.12411 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2003 - TARIFF 1


RUN DATE: 01/07/04
RUN TIME: 03:30:13

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 628,325,367 | 286,722 | 2,191 | 285,333 | 2,202 | BASE | $63,661,719.81 | $0.10132 |
| | | | | | | DS1 | $388,311.25 | $0.00062 |
| | | | | | | DS2 | $1,041,137.47 | $0.00166 |
| | | | | | | FOA | $13,218,904.03 | $0.02104 |
| | | | | | | FOE | $25,405.16 | $0.00004 |
| | | | | | | IRP | $1.64 | $0.00000 |
| | | | | | | RD | $353,523.40- | $0.00056- |
| | | | | | | RDE | $808.25- | $0.00000 |
| *** TOTAL | | | | | | | $77,981,147.71 | $0.12411 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 02/04/04
RUN TIME: 23:54:25

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,189.76- | $0.0000 |
| * TOTAL | | | | | | | $5,189.76- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $44.64- | $0.0000 |
| * TOTAL | | | | | | | $44.64- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $48,694.00- | $0.0000 |
| * TOTAL | | | | | | | $48,694.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $18,690.69 | $0.0000 |
| * TOTAL | | | | | | | $18,690.69 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,617.85 | $0.0000 |
| * TOTAL | | | | | | | $9,617.85 | $0.00000 |
| E | 1,760,322 | 1,948 | 904 | 1,948 | 904 | BASE | $157,669.53 | $0.0895 |
| | | | | | | DS1 | $2,987.75 | $0.0017 |
| | | | | | | FOE | $31,120.25 | $0.0176 |
| | | | | | | RDE | $763.50- | $0.0004 |
| * TOTAL | | | | | | | $191,014.03 | $0.10851 |
| F | 3,192,871 | 397 | 8,042 | 129 | 24,751 | BASE | $336,104.35 | $0.1052 |
| | | | | | | FOA | $80,424.69 | $0.0251 |
| | | | | | | RD | $1,430.40- | $0.0004 |
| * TOTAL | | | | | | | $415,098.64 | $0.13001 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $7,365.00 | $0.0000 |
| * TOTAL | | | | | | | $7,365.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 02/04/04
RUN TIME: 23:54:25

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| G | 28,908,910 | 25,215 | 1,146 | 24,951 | 1,159 | BASE | $3,975,047.39 | $0.1375 |
| | | | | | | DS2 | $66,540.03 | $0.0023 |
| | | | | | | FOA | $698,250.37 | $0.0241 |
| | | | | | | IRP | $0.46 | $0.0000 |
| | | | | | | RD | $18,267.43- | $0.0006 |
| * TOTAL | | | | | | | $4,721,570.82 | $0.16333 |
| H | 4,718,399 | 1,174 | 4,019 | 1,174 | 4,019 | BASE | $497,854.61 | $0.1055 |
| | | | | | | DS2 | $10,866.49 | $0.0023 |
| | | | | | | FOA | $115,253.55 | $0.0244 |
| | | | | | | RD | $2,266.03- | $0.0004 |
| * TOTAL | | | | | | | $621,708.62 | $0.13176 |
| J | 154,086,765 | 6,450 | 23,889 | 6,458 | 23,860 | BASE | $15,719,065.08 | $0.1020 |
| | | | | | | DS2 | $354,773.78 | $0.0023 |
| | | | | | | FOA | $3,720,606.61 | $0.0241 |
| | | | | | | IRP | $0.69- | $0.0000 |
| | | | | | | RD | $72,763.51- | $0.0004 |
| * TOTAL | | | | | | | $19,721,681.27 | $0.12799 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $80,355.82 | $0.0000 |
| * TOTAL | | | | | | | $80,355.82 | $0.00000 |
| OWN | 1,271,687 | 44 | 28,902 | 44 | 28,902 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 253,179,197 | 355 | 713,181 | 375 | 675,145 | BASE | $21,084,150.01 | $0.0832 |
| | | | | | | DS2 | $583,071.71 | $0.0023 |
| | | | | | | FOA | $6,001,239.35 | $0.0237 |
| | | | | | | RD | $101,824.93- | $0.0004 |
| * TOTAL | | | | | | | $27,566,636.14 | $0.10888 |
| R | 180,746,149 | 251,013 | 720 | 250,123 | 723 | BASE | $22,176,800.41 | $0.1227 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 02/04/04
RUN TIME: 23:54:25

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | DS1 | $410,071.15 | $0.0022 |
| | | | | | | FOA | $4,279,642.67 | $0.0236 |
| | | | | | | IRP | $0.02- | $0.0000 |
| | | | | | | RD | $106,746.52- | $0.0005 |
| * TOTAL | | | | | | | $26,759,767.69 | $0.14805 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,035.00 | $0.0000 |
| * TOTAL | | | | | | | $10,035.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $645.00 | $0.0000 |
| * TOTAL | | | | | | | $645.00 | $0.00000 |
| RT | 149,376 | 169 | 884 | 169 | 884 | BASE | $18,379.46 | $0.1230 |
| | | | | | | DS1 | $339.27 | $0.0022 |
| | | | | | | FOA | $3,501.75 | $0.0234 |
| | | | | | | RD | $90.62- | $0.0006 |
| * TOTAL | | | | | | | $22,129.86 | $0.14815 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,450.00 | $0.0000 |
| * TOTAL | | | | | | | $3,450.00 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $142.00- | $0.0000 |
| * TOTAL | | | | | | | $142.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,200.00 | $0.0000 |
| * TOTAL | | | | | | | $5,200.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $45,395.00 | $0.0000 |
| * TOTAL | | | | | | | $45,395.00 | $0.00000 |

Y

PAGE NUMBER: 4
RUN DATE: 02/04/04
RUN TIME: 23:54:25

| SE/ADJ HEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|
| BASE | $3,195.70 | $0.0000 |
| | $3,195.70 | $0.00000 |
| BASE | $5,041.84 | $0.0397 |
| DS2 | $292.02 | $0.0023 |
| FOA | $3,115.15 | $0.0245 |
| RD | $22.68- | $0.0001 |
| | $8,426.33 | $0.06645 |
| BASE | $10,263.66- | $0.0000 |
| | $10,263.66- | $0.00000 |
| ASE | $64,089,728.68 | $0.10203 |
| S1 | $413,398.17 | $0.00066 |
| S2 | $1,015,544.03 | $0.00162 |
| OA | $14,902,034.14 | $0.02372 |
| OE | $31,120.25 | $0.00005 |
| RP | $0.25- | $0.00000 |
| D | $303,412.12- | $0.00048- |
| DE | $763.50- | $0.00000 |
| | $80,147,649.40 | $0.12760 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 01/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 02/04/04
RUN TIME: 23:54:25

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 628,140,476 | 286,766 | 2,190 | 285,372 | 2,201 | BASE | $64,089,728.68 | $0.10203 |
| | | | | | | DS1 | $413,398.17 | $0.00066 |
| | | | | | | DS2 | $1,015,544.03 | $0.00162 |
| | | | | | | FOA | $14,902,034.14 | $0.02372 |
| | | | | | | FOE | $31,120.25 | $0.00005 |
| | | | | | | IRP | $0.25- | $0.00000 |
| | | | | | | RD | $303,412.12- | $0.00048- |
| | | | | | | RDE | $763.50- | $0.00000 |
| *** TOTAL | | | | | | | $80,147,649.40 | $0.12760 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 03/04/04
RUN TIME: 00:08:43

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $4,172.95- | $0.0000 |
| * TOTAL | | | | | | | $4,172.95- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $54.45- | $0.0000 |
| * TOTAL | | | | | | | $54.45- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $6,273.00- | $0.0000 |
| * TOTAL | | | | | | | $6,273.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $29,598.00- | $0.0000 |
| * TOTAL | | | | | | | $29,598.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,218.15 | $0.0000 |
| * TOTAL | | | | | | | $17,218.15 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $8,902.77 | $0.0000 |
| * TOTAL | | | | | | | $8,902.77 | $0.00000 |
| E | 1,610,854 | 1,942 | 829 | 1,942 | 829 | BASE | $142,610.54 | $0.0885 |
| | | | | | | DS1 | $2,685.11 | $0.0016 |
| | | | | | | FOE | $30,570.69 | $0.0189 |
| | | | | | | RDE | $582.52- | $0.0003 |
| * TOTAL | | | | | | | $175,283.82 | $0.10881 |
| F | 3,255,069 | 413 | 7,882 | 133 | 24,474 | BASE | $343,387.57 | $0.1054 |
| | | | | | | FOA | $84,555.20 | $0.0259 |
| | | | | | | IRP | $0.84 | $0.0000 |
| | | | | | | RD | $1,403.69- | $0.0004 |
| * TOTAL | | | | | | | $426,539.92 | $0.13104 |

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$0.0258
$0.0000
$0.0004

.12884

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.00000

$0.0834
$0.0023
$0.0258
$0.0003

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 03/04/04
RUN TIME: 00:08:43

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $26,730,544.38 | $0.11131 |
| R | 167,814,194 | 250,476 | 670 | 249,589 | 672 | BASE | $20,735,771.86 | $0.1235 |
| | | | | | | DS1 | $381,149.10 | $0.0022 |
| | | | | | | FOA | $4,339,725.07 | $0.0258 |
| | | | | | | IRP | $0.05- | $0.0000 |
| | | | | | | RD | $84,523.31- | $0.0005 |
| * TOTAL | | | | | | | $25,372,122.67 | $0.15119 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $8,845.00 | $0.0000 |
| * TOTAL | | | | | | | $8,845.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $375.00 | $0.0000 |
| * TOTAL | | | | | | | $375.00 | $0.00000 |
| RT | 131,764 | 169 | 780 | 169 | 780 | BASE | $16,198.34 | $0.1229 |
| | | | | | | DS1 | $299.26 | $0.0022 |
| | | | | | | FOA | $3,385.87 | $0.0257 |
| | | | | | | RD | $66.23- | $0.0005 |
| * TOTAL | | | | | | | $19,817.24 | $0.15040 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,752.50 | $0.0000 |
| * TOTAL | | | | | | | $2,752.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $126.00- | $0.0000 |
| * TOTAL | | | | | | | $126.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,750.00 | $0.0000 |
| * TOTAL | | | | | | | $4,750.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 03/04/04
RUN TIME: 00:08:43

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $45,570.00 | $0.0000 |
| * TOTAL | | | | | | | $45,570.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,160.74 | $0.0000 |
| * TOTAL | | | | | | | $3,160.74 | $0.00000 |
| U | 241,600 | 2 | 120,800 | 2 | 120,800 | BASE | $8,491.45 | $0.0351 |
| | | | | | | DS2 | $556.41 | $0.0023 |
| | | | | | | FOA | $6,243.98 | $0.0258 |
| | | | | | | RD | $34.66- | $0.0001 |
| * TOTAL | | | | | | | $15,257.18 | $0.06315 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $10,420.66- | $0.0000 |
| * TOTAL | | | | | | | $10,420.66- | $0.00000 |
| TARIFF | 609,140,727 | 286,018 | 2,130 | 284,614 | 2,140 | BASE | $62,161,106.66 | $0.10205 |
| | | | | | | DS1 | $384,133.47 | $0.00063 |
| | | | | | | DS2 | $1,001,849.59 | $0.00164 |
| | | | | | | FOA | $15,680,986.55 | $0.02574 |
| | | | | | | FOE | $30,570.69 | $0.00005 |
| | | | | | | IRP | $0.42- | $0.00000 |
| | | | | | | RD | $252,691.87- | $0.00041- |
| | | | | | | RDE | $582.52- | $0.00000 |
| ** TOTAL | | | | | | | $79,005,372.15 | $0.12970 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 02/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 03/04/04
RUN TIME: 00:08:43

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 609,140,727 | 286,018 | 2,130 | 284,614 | 2,140 | BASE | $62,161,106.66 | $0.10205 |
| | | | | | | DS1 | $384,133.47 | $0.00063 |
| | | | | | | DS2 | $1,001,849.59 | $0.00164 |
| | | | | | | FOA | $15,680,986.55 | $0.02574 |
| | | | | | | FOE | $30,570.69 | $0.00005 |
| | | | | | | IRP | $0.42- | $0.00000 |
| | | | | | | RD | $252,691.87- | $0.00041- |
| | | | | | | RDE | $582.52- | $0.00000 |
| *** TOTAL | | | | | | | $79,005,372.15 | $0.12970 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 04/06/04
RUN TIME: 00:42:15

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,937.58- | $0.0000 |
| * TOTAL | | | | | | | $5,937.58- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $56.52- | $0.0000 |
| * TOTAL | | | | | | | $56.52- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $17,273.00- | $0.0000 |
| * TOTAL | | | | | | | $17,273.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $361.00- | $0.0000 |
| * TOTAL | | | | | | | $361.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,200.31 | $0.0000 |
| * TOTAL | | | | | | | $17,200.31 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $8,728.01 | $0.0000 |
| * TOTAL | | | | | | | $8,728.01 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $0.90- | $0.0000 |
| * TOTAL | | | | | | | $0.90- | $0.00000 |
| E | 1,588,853 | 1,935 | 821 | 1,935 | 821 | BASE | $140,745.16 | $0.0885 |
| | | | | | | DS1 | $2,648.11 | $0.0016 |
| | | | | | | FOE | $31,082.76 | $0.0195 |
| | | | | | | RDE | $578.04- | $0.0003 |
| * TOTAL | | | | | | | $173,897.99 | $0.10945 |
| F | 3,042,988 | 396 | 7,684 | 131 | 23,229 | BASE | $321,907.84 | $0.1057 |
| | | | | | | FOA | $82,447.95 | $0.0270 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 04/06/04
RUN TIME: 00:42:15

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | RD | $1,321.83- | $0.0004 |
| * TOTAL | | | | | | | $403,033.96 | $0.13245 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $6,585.00 | $0.0000 |
| * TOTAL | | | | | | | $6,585.00 | $0.00000 |
| G | 28,713,494 | 25,267 | 1,136 | 25,004 | 1,148 | BASE | $3,954,966.62 | $0.1377 |
| | | | | | | DS2 | $66,093.37 | $0.0023 |
| | | | | | | FOA | $770,371.67 | $0.0268 |
| | | | | | | IRP | $0.17- | $0.0000 |
| | | | | | | RD | $16,015.12- | $0.0005 |
| * TOTAL | | | | | | | $4,775,416.37 | $0.16631 |
| H | 4,489,491 | 1,106 | 4,059 | 1,106 | 4,059 | BASE | $471,821.21 | $0.1050 |
| | | | | | | DS2 | $10,339.43 | $0.0023 |
| | | | | | | FOA | $120,883.90 | $0.0269 |
| | | | | | | IRP | $0.52- | $0.0000 |
| | | | | | | RD | $1,939.66- | $0.0004 |
| * TOTAL | | | | | | | $601,104.36 | $0.13389 |
| J | 151,126,547 | 6,512 | 23,207 | 6,520 | 23,179 | BASE | $15,557,443.64 | $0.1029 |
| | | | | | | DS2 | $348,441.97 | $0.0023 |
| | | | | | | FOA | $4,056,001.89 | $0.0268 |
| | | | | | | RD | $63,776.37- | $0.0004 |
| * TOTAL | | | | | | | $19,898,111.13 | $0.13167 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $63,696.75 | $0.0000 |
| * TOTAL | | | | | | | $63,696.75 | $0.00000 |
| OWN | 1,269,831 | 47 | 27,018 | 47 | 27,018 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 04/06/04
RUN TIME: 00:42:15

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | 21 051572 76 | |
| P | ~~342,724,845~~ 250,324,845 | 356 | 962,710 | 375 | 913,933 | BASE | $26,498,729.19 | $0.0773 |
| | | | | | | DS2 576,792.83 | ~~$789,590.03~~ | $0.0023 |
| | | | | | | FOA 6,668,875.11 | $9,187,699.11 | $0.0268 |
| | | | | | | RD — 910,935.48 | $109,323.30- | $0.0003 |
| * TOTAL | | | | | | | $36,366,695.03 | $0.10611 |
| | | | | | | | 22,710,305.22 | |
| R | 165,780,995 | 251,403 | 659 | 250,517 | 662 | BASE | $20,503,518.54 | $0.1236 |
| | | | | | | DS1 | $376,262.47 | $0.0022 |
| | | | | | | FOA | $4,417,477.23 | $0.0266 |
| | | | | | | IRP | $0.40 | $0.0000 |
| | | | | | | RD | $84,049.09- | $0.0005 |
| * TOTAL | | | | | | | $25,213,209.55 | $0.15209 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $9,740.00 | $0.0000 |
| * TOTAL | | | | | | | $9,740.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $730.00 | $0.0000 |
| * TOTAL | | | | | | | $730.00 | $0.00000 |
| RT | 129,646 | 164 | 791 | 164 | 791 | BASE | $15,949.98 | $0.1230 |
| | | | | | | DS1 | $294.49 | $0.0022 |
| | | | | | | FOA | $3,363.05 | $0.0259 |
| | | | | | | RD | $65.45- | $0.0005 |
| * TOTAL | | | | | | | $19,542.07 | $0.15073 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,707.50 | $0.0000 |
| * TOTAL | | | | | | | $2,707.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $229.95- | $0.0000 |
| * TOTAL | | | | | | | $229.95- | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 04/06/04
RUN TIME: 00:42:15

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,430.00 | $0.0000 |
| * TOTAL | | | | | | | $5,430.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $47,280.00 | $0.0000 |
| * TOTAL | | | | | | | $47,280.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,188.50 | $0.0000 |
| * TOTAL | | | | | | | $3,188.50 | $0.00000 |
| U | 253,200 | 2 | 126,600 | 2 | 126,600 | BASE | $8,835.42 | $0.0349 |
| | | | | | | DS2 | $583.12 | $0.0023 |
| | | | | | | FOA | $6,732.98 | $0.0265 |
| | | | | | | RD | $36.31- | $0.0001 |
| * TOTAL | | | | | | | $16,115.21 | $0.06365 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $10,441.66- | $0.0000 |
| * TOTAL | | | | | | | $10,441.66- | $0.00000 |
| TARIFF | 606,719,890 ~~699,119,890~~ | 287,188 | 2,434 | 285,801 | 2,446 | BASE | 62,074,795.01 ~~$67,604,903.06~~ | $0.09670 |
| | | | | | | DS1 | $379,205.07 | $0.00054 |
| | | | | | | DS2 | 1,002,750.72 $1,215,047.92 | $0.00174 |
| | | | | | | FOA | 16,126,153.78 ~~$18,644,977.78~~ | $0.02667 |
| | | | | | | FOE | $31,082.76 | $0.00004 |
| | | | | | | IRP | $0.29- | $0.00000 |
| | | | | | | RD | -254,139.31 ~~$276,527.13~~- | $0.00040- |
| | | | | | | RDE | $578.04- | $0.00000 |
| ** TOTAL | | | | | | | $87,598,111.13 | $0.12530 |
| | | | | | | | 79,491,721.32 | |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 03/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 04/06/04
RUN TIME: 00:42:15

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 606,719,890 ~~699,119,890~~ | 287,188 | 2,434 | 285,801 | 2,446 | BASE | $67,604,903.06 | $0.09670 |
| | | | | | | DS1 | $379,205.07 | $0.00054 |
| | | | | | | DS2 | $1,215,047.92 | $0.00174 |
| | | | | | | FOA | $18,644,977.78 | $0.02667 |
| | | | | | | FOE | $31,082.76 | $0.00004 |
| | | | | | | IRP | $0.29- | $0.00000 |
| | | | | | | RD | $276,527.13- | $0.00040- |
| | | | | | | RDE | $578.04- | $0.00000 |
| *** TOTAL | | | | | | | ~~$87,598,111.13~~ 79,441,721.34 (see above) | $0.12530 |

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PAGE NUMBER: 1
RUN DATE: 05/05/04
RUN TIME: 23:54:49

| / ER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|
| 0 | BASE | $5,107.91- | $0.0000 |
| | | $5,107.91- | $0.00000 |
| 0 | BASE | $20.07- | $0.0000 |
| | | $20.07- | $0.00000 |
| 0 | BASE | $17,235.82 | $0.0000 |
| | | $17,235.82 | $0.00000 |
| 0 | BASE | $8,723.96 | $0.0000 |
| | | $8,723.96 | $0.00000 |
| 0 | BASE | $2.08- | $0.0000 |
| | | $2.08- | $0.00000 |
| 835 | BASE | $143,422.43 | $0.0887 |
| | DS1 | $2,702.40 | $0.0016 |
| | FOE | $32,255.49 | $0.0199 |
| | RDE | $589.53- | $0.0003 |
| | | $177,790.79 | $0.10997 |
| ,683 | BASE | $339,716.62 | $0.1058 |
| | FOA | $86,668.61 | $0.0270 |
| | RD | $1,394.87- | $0.0004 |
| | | $424,990.36 | $0.13245 |
| 0 | BASE | $6,705.00 | $0.0000 |
| | | $6,705.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 05/05/04
RUN TIME: 23:54:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| G | 29,995,820 | 25,285 | 1,186 | 25,022 | 1,199 | BASE | $4,098,835.10 | $0.1366 |
| | | | | | | DS2 | $69,058.03 | $0.0023 |
| | | | | | | FOA | $811,995.29 | $0.0270 |
| | | | | | | IRP | $0.09 | $0.0000 |
| | | | | | | RD | $16,613.86- | $0.0005 |
| * TOTAL | | | | | | | $4,963,274.65 | $0.16547 |
| H | 4,811,476 | 1,104 | 4,358 | 1,104 | 4,358 | BASE | $498,797.28 | $0.1036 |
| | | | | | | DS2 | $11,080.96 | $0.0023 |
| | | | | | | FOA | $130,182.82 | $0.0270 |
| | | | | | | IRP | $0.32- | $0.0000 |
| | | | | | | RD | $2,051.54- | $0.0004 |
| * TOTAL | | | | | | | $638,009.20 | $0.13260 |
| J | 159,683,224 | 6,499 | 24,570 | 6,507 | 24,540 | BASE | $16,188,268.50 | $0.1013 |
| | | | | | | DS2 | $368,336.86 | $0.0023 |
| | | | | | | FOA | $4,329,907.66 | $0.0271 |
| | | | | | | RD | $66,843.06- | $0.0004 |
| * TOTAL | | | | | | | $20,819,669.96 | $0.13038 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $61,483.26 | $0.0000 |
| * TOTAL | | | | | | | $61,483.26 | $0.00000 |
| OWN | 1,323,997 | 45 | 29,422 | 45 | 29,422 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 247,842,894 ~~155,442,894~~ | 354 | 439,104 | 374 | 415,623 | BASE 24,893,943.37 | $15,363,835.32 | $0.0988 |
| | | | | | | DS2 570,790.22 | $357,993.02 | $0.0023 |
| | | | | | | FOA 6,720,875.95 | $4,202,051.95 | $0.0270 |
| | | | | | | RD - 85,263.63 | $63,475.81- | $0.0004 |
| * TOTAL | | | | | | | ~~$19,860,404.48~~ 28,099,745.91 | $0.12777 |
| R | 168,724,212 | 251,054 | 672 | 250,174 | 674 | BASE | $20,833,891.41 | $0.1234 |

PAGE NUMBER: 3
RUN DATE: 05/05/04
RUN TIME: 23:54:49

| REVENUE AMOUNT | COST/ KWH |
|---|---|
| $383,059.82 | $0.0022 |
| $4,572,527.12 | $0.0271 |
| $0.03 | $0.0000 |
| $85,417.07- | $0.0005 |
| $25,704,061.31 | $0.15234 |
| $9,550.00 | $0.0000 |
| $9,550.00 | $0.00000 |
| $765.00 | $0.0000 |
| $765.00 | $0.00000 |
| $15,853.73 | $0.1231 |
| $292.81 | $0.0022 |
| $3,497.63 | $0.0271 |
| $65.17- | $0.0005 |
| $19,579.00 | $0.15214 |
| $2,685.00 | $0.0000 |
| $2,685.00 | $0.00000 |
| $193.95- | $0.0000 |
| $193.95- | $0.00000 |
| $5,750.00 | $0.0000 |
| $5,750.00 | $0.00000 |
| $47,110.00 | $0.0000 |
| $47,110.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 05/05/04
RUN TIME: 23:54:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,364.34 | $0.0000 |
| * TOTAL | | | | | | | $3,364.34 | $0.00000 |
| U | 122,800 | 1 | 122,800 | 1 | 122,800 | BASE | $4,310.86 | $0.0351 |
| | | | | | | DS2 | $282.81 | $0.0023 |
| | | | | | | FOA | $3,322.31 | $0.0270 |
| | | | | | | RD | $17.72- | $0.0001 |
| * TOTAL | | | | | | | $7,898.26 | $0.06432 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $10,526.85- | $0.0000 |
| * TOTAL | | | | | | | $10,526.85- | $0.00000 |
| TARIFF | ~~525,058,592~~ 617,458,592 | 286,842 | 1,830 | 285,455 | 1,839 | BASE 67,081,609.20 | ~~$57~~,634,452.77 | $0.10977 |
| | | | | | | DS1 | $386,055.03 | $0.00074 |
| | | | | | | DS2 1,019,548.88 | ~~$806,751.68~~ | $0.00154 |
| | | | | | | FOA 16,658,977.39 | ~~$14,140,153.39~~ | $0.02693 |
| | | | | | | FOE | $32,255.49 | $0.00006 |
| | | | | | | IRP | $0.20- | $0.00000 |
| | | | | | | RD -258,266.92 | ~~$235,879.10~~- | $0.00045- |
| | | | | | | RDE | $589.53- | $0.00000 |
| ** TOTAL | | | | | | | $72,763,199.53 80,919,589.54 | $0.13858 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 04/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 05/05/04
RUN TIME: 23:54:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 617,458,592 ~~525,058,592~~ | 286,842 | 1,830 | 285,455 | 1,839 | BASE | $57,634,452.77 | $0.10977 |
| | | | | | | DS1 | $386,055.03 | $0.00074 |
| | | | | | | DS2 | $806,751.68 | $0.00154 |
| | | | | | | FOA | $14,140,153.39 | $0.02693 |
| | | | | | | FOE | $32,255.49 | $0.00006 |
| | | | | | | IRP | $0.20- | $0.00000 |
| | | | | | | RD | $235,879.10- | $0.00045- |
| | | | | | | RDE | $589.53- | $0.00000 |
| *** TOTAL | | | | | | | ~~$70,763,199~~.53 | $0.13858 |
| | | | | | | | 80919589.34 (see above) | |

NUMBER: 1
DATE: 06/04/04
TIME: 00:11:54

| | COST/ KWH |
|---|---|
| 22- | $0.0000 |
| - | $0.00000 |
| 87- | $0.0000 |
| - | $0.00000 |
| 00- | $0.0000 |
| - | $0.00000 |
| 00- | $0.0000 |
| - | $0.00000 |
| 00- | $0.0000 |
| - | $0.00000 |
| 87 | $0.0000 |
| | $0.00000 |
| 98 | $0.0000 |
| | $0.00000 |
| 05 | $0.0885 |
| 83 | $0.0018 |
| 97 | $0.0205 |
| 68 | $0.0000 |
| 11- | $0.0003 |
| | $0.11058 |
| 97 | $0.1060 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 06/04/04
RUN TIME: 00:11:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $87,242.61 | $0.0286 |
| | | | | | | IRP | $0.08 | $0.0000 |
| | | | | | | RD | $1,375.99- | $0.0004 |
| * TOTAL | | | | | | | $408,389.67 | $0.13429 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $5,250.00 | $0.0000 |
| * TOTAL | | | | | | | $5,250.00 | $0.00000 |
| G | 29,847,180 | 25,448 | 1,173 | 25,185 | 1,185 | BASE | $4,087,559.81 | $0.1369 |
| | | | | | | DS2 | $70,197.30 | $0.0023 |
| | | | | | | FOA | $842,549.74 | $0.0282 |
| | | | | | | IRP | $4.79 | $0.0000 |
| | | | | | | RD | $17,077.71- | $0.0005 |
| * TOTAL | | | | | | | $4,983,233.93 | $0.16696 |
| H | 4,483,496 | 967 | 4,637 | 967 | 4,637 | BASE | $453,097.59 | $0.1010 |
| | | | | | | DS2 | $10,641.49 | $0.0023 |
| | | | | | | FOA | $128,637.30 | $0.0286 |
| | | | | | | IRP | $2.04- | $0.0000 |
| | | | | | | RD | $1,946.70- | $0.0004 |
| * TOTAL | | | | | | | $590,427.64 | $0.13169 |
| J | 156,929,905 | 6,500 | 24,143 | 6,508 | 24,113 | BASE | $16,046,217.42 | $0.1022 |
| | | | | | | DS2 | $368,955.76 | $0.0023 |
| | | | | | | FOA | $4,430,979.40 | $0.0282 |
| | | | | | | IRP | $13.63 | $0.0000 |
| | | | | | | RD | $67,401.42- | $0.0004 |
| | | | | | | RFD | $21.97- | $0.0000 |
| * TOTAL | | | | | | | $20,778,742.82 | $0.13241 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $66,007.96 | $0.0000 |
| * TOTAL | | | | | | | $66,007.96 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 06/04/04
RUN TIME: 00:11:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| OWN | 1,234,479 | 45 | 27,433 | 45 | 27,433 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| P | 251,331,196 | 352 | 714,009 | 371 | 677,443 | BASE | $20,986,794.34 | $0.0835 |
| | | | | | | DS2 | $588,656.28 | $0.0023 |
| | | | | | | FOA | $7,031,884.68 | $0.0279 |
| | | | | | | IRP | $25.06 | $0.0000 |
| | | | | | | RD | $88,671.44- | $0.0003 |
| * TOTAL | | | | | | | $28,518,688.92 | $0.11347 |
| R | 163,427,902 | 251,023 | 651 | 250,146 | 653 | BASE | $20,235,044.16 | $0.1238 |
| | | | | | | DS1 | $411,781.79 | $0.0025 |
| | | | | | | FOA | $4,575,505.60 | $0.0280 |
| | | | | | | IRP | $62.43 | $0.0000 |
| | | | | | | RD | $84,894.08- | $0.0005 |
| * TOTAL | | | | | | | $25,137,499.90 | $0.15381 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $7,065.00 | $0.0000 |
| * TOTAL | | | | | | | $7,065.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $375.00 | $0.0000 |
| * TOTAL | | | | | | | $375.00 | $0.00000 |
| RT | 127,469 | 163 | 782 | 163 | 782 | BASE | $15,666.44 | $0.1229 |
| | | | | | | DS1 | $316.18 | $0.0024 |
| | | | | | | FOA | $3,549.67 | $0.0278 |
| | | | | | | IRP | $0.06 | $0.0000 |
| | | | | | | RD | $65.66- | $0.0005 |
| * TOTAL | | | | | | | $19,466.69 | $0.15272 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,677.50 | $0.0000 |
| * TOTAL | | | | | | | $2,677.50 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 05/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 06/04/04
RUN TIME: 00:11:54

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $382.00- | $0.0000 |
| * TOTAL | | | | | | | $382.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,480.00 | $0.0000 |
| * TOTAL | | | | | | | $5,480.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $48,025.00 | $0.0000 |
| * TOTAL | | | | | | | $48,025.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,362.74 | $0.0000 |
| * TOTAL | | | | | | | $3,362.74 | $0.00000 |
| U | 409,680 | 3 | 136,560 | 3 | 136,560 | BASE | $14,735.40 | $0.0359 |
| | | | | | | DS2 | $952.12 | $0.0023 |
| | | | | | | FOA | $11,307.51 | $0.0276 |
| | | | | | | RD | $61.35- | $0.0001 |
| * TOTAL | | | | | | | $26,933.68 | $0.06574 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $10,631.68- | $0.0000 |
| * TOTAL | | | | | | | $10,631.68- | $0.00000 |
| TARIFF | 612,413,171 | 286,843 | 2,135 | 285,462 | 2,145 | BASE | $62,419,496.46 | $0.10192 |
| | | | | | | DS1 | $415,016.80 | $0.00068 |
| | | | | | | DS2 | $1,039,402.95 | $0.00170 |
| | | | | | | FOA | $17,111,656.51 | $0.02794 |
| | | | | | | FOE | $32,455.97 | $0.00005 |
| | | | | | | IRP | $104.69 | $0.00000 |
| | | | | | | RD | $261,494.35- | $0.00043- |
| | | | | | | RDE | $589.11- | $0.00000 |
| | | | | | | RFD | $21.97- | $0.00000 |
| ** TOTAL | | | | | | | $80,756,027.95 | $0.13187 |

C O M P A N Y
Y RATE
IFF 1

PAGE NUMBER: 5
RUN DATE: 06/04/04
RUN TIME: 00:11:54

| KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|
| 2,145 | BASE | $62,419,496.46 | $0.10192 |
| | DS1 | $415,016.80 | $0.00068 |
| | DS2 | $1,039,402.95 | $0.00170 |
| | FOA | $17,111,656.51 | $0.02794 |
| | FOE | $32,455.97 | $0.00005 |
| | IRP | $104.69 | $0.00000 |
| | RD | $261,494.35- | $0.00043- |
| | RDE | $589.11- | $0.00000 |
| | RFD | $21.97- | $0.00000 |
| | | $80,756,027.95 | $0.13187 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 07/07/04
RUN TIME: 00:57:40

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $6,109.37- | $0.0000 |
| * TOTAL | | | | | | | $6,109.37- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $63.65- | $0.0000 |
| * TOTAL | | | | | | | $63.65- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $1,534.00- | $0.0000 |
| * TOTAL | | | | | | | $1,534.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $17,963.19 | $0.0000 |
| * TOTAL | | | | | | | $17,963.19 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $8,989.77 | $0.0000 |
| * TOTAL | | | | | | | $8,989.77 | $0.00000 |
| E | 1,730,504 | 1,943 | 891 | 1,943 | 891 | BASE | $155,577.84 | $0.0899 |
| | | | | | | DS1 | $3,554.07 | $0.0020 |
| | | | | | | FOE | $36,606.15 | $0.0211 |
| | | | | | | IRP | $533.88 | $0.0003 |
| | | | | | | RDE | $667.59- | $0.0003 |
| * TOTAL | | | | | | | $195,604.35 | $0.11303 |
| F | 3,082,541 | 424 | 7,270 | 132 | 23,353 | BASE | $327,056.60 | $0.1061 |
| | | | | | | FOA | $85,349.49 | $0.0276 |
| | | | | | | IRP | $1,887.56 | $0.0006 |
| | | | | | | RD | $1,401.73- | $0.0004 |
| * TOTAL | | | | | | | $412,891.92 | $0.13395 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $4,200.00 | $0.0000 |
| * TOTAL | | | | | | | $4,200.00 | $0.00000 |

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 07/07/04
RUN TIME: 00:57:40

| KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|
| 31,718,770 | 25,322 | 1,253 | 25,063 | 1,266 | BASE | $4,284,863.41 | $0.1350 |
| | | | | | DS2 | $75,255.60 | $0.0023 |
| | | | | | FOA | $886,392.54 | $0.0279 |
| | | | | | IRP | $18,547.70 | $0.0005 |
| | | | | | RD | $18,188.65- | $0.0005 |
| | | | | | | $5,246,870.60 | $0.16542 |
| 5,040,501 | 1,045 | 4,823 | 1,045 | 4,823 | BASE | $508,394.26 | $0.1008 |
| | | | | | DS2 | $11,993.58 | $0.0023 |
| | | | | | FOA | $140,812.75 | $0.0279 |
| | | | | | IRP | $2,479.79 | $0.0004 |
| | | | | | RD | $2,184.50- | $0.0004 |
| | | | | | | $661,495.88 | $0.13124 |
| 67,590,784 | 6,458 | 25,951 | 6,466 | 25,919 | BASE | $16,818,819.89 | $0.1003 |
| | | | | | DS2 | $398,613.03 | $0.0023 |
| | | | | | FOA | $4,698,652.92 | $0.0280 |
| | | | | | IRP | $71,685.49 | $0.0004 |
| | | | | | RD | $72,241.51- | $0.0004 |
| | | | | | | $21,915,529.82 | $0.13077 |
| 0 | 0 | 0 | 0 | 0 | BASE | $73,589.22 | $0.0000 |
| | | | | | | $73,589.22 | $0.00000 |
| 1,207,417 | 44 | 27,441 | 44 | 27,441 | BASE | $0.00 | $0.0000 |
| | | | | | | $0.00 | $0.00000 |
| 263,053,772 | 356 | 738,915 | 375 | 701,477 | BASE | $21,796,484.01 | $0.0828 |
| | | | | | DS2 | $625,755.66 | $0.0023 |
| | | | | | FOA | $7,425,565.04 | $0.0282 |
| | | | | | IRP | $74,558.79 | $0.0002 |
| | | | | | RD | $93,950.69- | $0.0003 |
| | | | | | | $29,828,412.81 | $0.11339 |

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 07/07/04
RUN TIME: 00:57:40

| ATT SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|
| 3,664 | 251,220 | 703 | 250,346 | 705 | BASE | $21,716,371.61 | $0.1230 |
| | | | | | DS1 | $483,658.85 | $0.0027 |
| | | | | | FOA | $4,980,351.62 | $0.0282 |
| | | | | | IRP | $75,229.37 | $0.0004 |
| | | | | | RD | $92,984.67- | $0.0005 |
| | | | | | | $27,162,626.78 | $0.15387 |
| 0 | 0 | 0 | 0 | 0 | BASE | $4,995.00 | $0.0000 |
| | | | | | | $4,995.00 | $0.00000 |
| 0 | 0 | 0 | 0 | 0 | BASE | $225.00 | $0.0000 |
| | | | | | | $225.00 | $0.00000 |
| 7,803 | 165 | 835 | 165 | 835 | BASE | $16,842.07 | $0.1222 |
| | | | | | DS1 | $377.61 | $0.0027 |
| | | | | | FOA | $3,903.53 | $0.0283 |
| | | | | | IRP | $48.80 | $0.0003 |
| | | | | | RD | $72.19- | $0.0005 |
| | | | | | | $21,099.82 | $0.15312 |
| 0 | 0 | 0 | 0 | 0 | BASE | $2,962.50 | $0.0000 |
| | | | | | | $2,962.50 | $0.00000 |
| 0 | 0 | 0 | 0 | 0 | BASE | $201.40- | $0.0000 |
| | | | | | | $201.40- | $0.00000 |
| 0 | 0 | 0 | 0 | 0 | BASE | $5,920.00 | $0.0000 |
| | | | | | | $5,920.00 | $0.00000 |
| 0 | 0 | 0 | 0 | 0 | BASE | $52,870.00 | $0.0000 |

PAGE NUMBER: 4
RUN DATE: 07/07/04
RUN TIME: 00:57:40

| DJ LE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|
| | $52,870.00 | $0.00000 |
| SE | $3,332.50 | $0.0000 |
| | $3,332.50 | $0.00000 |
| SE | $9,483.42 | $0.0425 |
| 2 | $530.04 | $0.0023 |
| A | $6,346.49 | $0.0284 |
| P | $24.31 | $0.0001 |
| | $40.69- | $0.0001 |
| | $16,343.57 | $0.07336 |
| SE | $10,655.00- | $0.0000 |
| | $10,655.00- | $0.00000 |
| | $65,790,376.87 | $0.10117 |
| | $487,590.53 | $0.00075 |
| | $1,112,147.91 | $0.00171 |
| | $18,227,374.38 | $0.02803 |
| | $36,606.15 | $0.00006 |
| | $244,995.69 | $0.00038 |
| | $281,064.63- | $0.00043- |
| | $667.59- | $0.00000 |
| | $85,617,359.31 | $0.13165 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 06/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 07/07/04
RUN TIME: 00:57:40

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 650,318,556 | 286,979 | 2,266 | 285,581 | 2,277 | BASE | $65,790,376.87 | $0.10117 |
| | | | | | | DS1 | $487,590.53 | $0.00075 |
| | | | | | | DS2 | $1,112,147.91 | $0.00171 |
| | | | | | | FOA | $18,227,374.38 | $0.02803 |
| | | | | | | FOE | $36,606.15 | $0.00006 |
| | | | | | | IRP | $244,995.69 | $0.00038 |
| | | | | | | RD | $281,064.63- | $0.00043- |
| | | | | | | RDE | $667.59- | $0.00000 |
| *** TOTAL | | | | | | | $85,617,359.31 | $0.13165 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 08/05/04
RUN TIME: 01:33:48

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,059.58- | $0.0000 |
| * TOTAL | | | | | | | $5,059.58- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $81.06- | $0.0000 |
| * TOTAL | | | | | | | $81.06- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $12,285.00- | $0.0000 |
| * TOTAL | | | | | | | $12,285.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $18,387.25 | $0.0000 |
| * TOTAL | | | | | | | $18,387.25 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,259.45 | $0.0000 |
| * TOTAL | | | | | | | $9,259.45 | $0.00000 |
| E | 1,786,734 | 1,955 | 914 | 1,955 | 914 | BASE | $161,021.50 | $0.0901 |
| | | | | | | DS1 | $3,686.84 | $0.0020 |
| | | | | | | FOE | $37,427.47 | $0.0209 |
| | | | | | | IRP | $539.65 | $0.0003 |
| | | | | | | RDE | $691.34- | $0.0003 |
| * TOTAL | | | | | | | $201,984.12 | $0.11305 |
| F | 3,082,484 | 405 | 7,611 | 130 | 23,711 | BASE | $326,893.74 | $0.1060 |
| | | | | | | FOA | $86,391.95 | $0.0280 |
| | | | | | | IRP | $248.75 | $0.0000 |
| | | | | | | RD | $1,401.17- | $0.0004 |
| * TOTAL | | | | | | | $412,133.27 | $0.13370 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $3,030.00 | $0.0000 |
| * TOTAL | | | | | | | $3,030.00 | $0.00000 |

ER: 2
08/05/04
01:33:48

| COST/ KWH |
|---|
| $0.1347 |
| $0.0023 |
| $0.0278 |
| $0.0003 |
| $0.0005 |
| $0.16478 |
| $0.1009 |
| $0.0023 |
| $0.0279 |
| $0.0001 |
| $0.0004 |
| $0.13105 |
| $0.0996 |
| $0.0023 |
| $0.0279 |
| $0.0002 |
| $0.0004 |
| $0.12974 |
| $0.0000 |
| $0.00000 |
| $0.0000 |
| $0.00000 |
| $0.0824 |
| $0.0023 |
| $0.0278 |
| $0.0002 |
| $0.0003 |
| $0.11261 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 08/05/04
RUN TIME: 01:33:48

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| R | 183,796,728 | 251,217 | 732 | 250,368 | 734 | BASE | $22,536,682.78 | $0.1226 |
| | | | | | | DS1 | $503,624.55 | $0.0027 |
| | | | | | | FOA | $5,113,444.77 | $0.0278 |
| | | | | | | IRP | $74,131.51 | $0.0004 |
| | | | | | | RD | $96,506.34- | $0.0005 |
| * TOTAL | | | | | | | $28,131,377.27 | $0.15306 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $4,245.00 | $0.0000 |
| * TOTAL | | | | | | | $4,245.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $150.00 | $0.0000 |
| * TOTAL | | | | | | | $150.00 | $0.00000 |
| RT | 147,829 | 161 | 918 | 161 | 918 | BASE | $17,950.49 | $0.1214 |
| | | | | | | DS1 | $404.99 | $0.0027 |
| | | | | | | FOA | $4,105.96 | $0.0277 |
| | | | | | | IRP | $68.69 | $0.0004 |
| | | | | | | RD | $76.94- | $0.0005 |
| * TOTAL | | | | | | | $22,453.19 | $0.15189 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,977.50 | $0.0000 |
| * TOTAL | | | | | | | $2,977.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $192.75- | $0.0000 |
| * TOTAL | | | | | | | $192.75- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,330.00 | $0.0000 |
| * TOTAL | | | | | | | $5,330.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $57,525.00 | $0.0000 |

PAGE NUMBER: 4
RUN DATE: 08/05/04
RUN TIME: 01:33:48

| REVENUE AMOUNT | COST/ KWH |
|---|---|
| $57,525.00 | $0.00000 |
| $3,339.54 | $0.0000 |
| $3,339.54 | $0.00000 |
| $10,049.95 | $0.0380 |
| $627.86 | $0.0023 |
| $7,319.43 | $0.0277 |
| $40.42 | $0.0001 |
| $43.11- | $0.0001 |
| $17,994.55 | $0.06818 |
| $0.00 | $0.0000 |
| $0.00 | $0.00000 |
| $10,720.00- | $0.0000 |
| $10,720.00- | $0.00000 |
| ,479,461.57 | $0.10076 |
| $507,716.38 | $0.00076 |
| ,140,485.61 | $0.00170 |
| ,557,175.23 | $0.02771 |
| $37,427.47 | $0.00006 |
| $202,994.92 | $0.00030 |
| $288,087.13- | $0.00043- |
| $691.34- | $0.00000 |
| ,636,482.71 | $0.13086 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 07/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 08/05/04
RUN TIME: 01:33:48

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 669,681,176 | 286,929 | 2,334 | 285,571 | 2,345 | BASE | $67,479,461.57 | $0.10076 |
| | | | | | | DS1 | $507,716.38 | $0.00076 |
| | | | | | | DS2 | $1,140,485.61 | $0.00170 |
| | | | | | | FOA | $18,557,175.23 | $0.02771 |
| | | | | | | FOE | $37,427.47 | $0.00006 |
| | | | | | | IRP | $202,994.92 | $0.00030 |
| | | | | | | RD | $288,087.13- | $0.00043- |
| | | | | | | RDE | $691.34- | $0.00000 |
| *** TOTAL | | | | | | | $87,636,482.71 | $0.13086 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 09/03/04
RUN TIME: 23:40:10

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,049.14- | $0.0000 |
| * TOTAL | | | | | | | $5,049.14- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $84.46- | $0.0000 |
| * TOTAL | | | | | | | $84.46- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $7,698.00- | $0.0000 |
| * TOTAL | | | | | | | $7,698.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $18,889.00- | $0.0000 |
| * TOTAL | | | | | | | $18,889.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $18,619.19 | $0.0000 |
| * TOTAL | | | | | | | $18,619.19 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,456.00 | $0.0000 |
| * TOTAL | | | | | | | $9,456.00 | $0.00000 |
| E | 1,803,386 | 1,960 | 920 | 1,960 | 920 | BASE | $162,894.88 | $0.0903 |
| | | | | | | DS1 | $3,729.26 | $0.0020 |
| | | | | | | FOE | $39,520.67 | $0.0219 |
| | | | | | | IRP | $0.70 | $0.0000 |
| | | | | | | RDE | $685.81- | $0.0003 |
| * TOTAL | | | | | | | $205,459.70 | $0.11393 |
| F | 3,072,059 | 403 | 7,623 | 131 | 23,451 | BASE | $325,546.99 | $0.1059 |
| | | | | | | FOA | $91,356.57 | $0.0297 |
| | | | | | | RD | $1,350.33- | $0.0004 |
| * TOTAL | | | | | | | $415,553.23 | $0.13527 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 09/03/04
RUN TIME: 23:40:10

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $1,470.00 | $0.0000 |
| * TOTAL | | | | | | | $1,470.00 | $0.00000 |
| G | 32,112,613 | 25,224 | 1,273 | 24,963 | 1,286 | BASE | $4,334,931.85 | $0.1349 |
| | | | | | | DS2 | $76,376.53 | $0.0023 |
| | | | | | | FOA | $942,449.76 | $0.0293 |
| | | | | | | IRP | $22.88- | $0.0000 |
| | | | | | | RD | $17,961.39- | $0.0005 |
| * TOTAL | | | | | | | $5,335,773.87 | $0.16616 |
| H | 5,220,063 | 1,084 | 4,816 | 1,084 | 4,816 | BASE | $528,025.85 | $0.1011 |
| | | | | | | DS2 | $12,418.57 | $0.0023 |
| | | | | | | FOA | $153,801.14 | $0.0294 |
| | | | | | | IRP | $5.14 | $0.0000 |
| | | | | | | RD | $2,205.35- | $0.0004 |
| * TOTAL | | | | | | | $692,045.35 | $0.13257 |
| J | 174,426,856 | 6,516 | 26,769 | 6,524 | 26,736 | BASE | $17,436,819.65 | $0.0999 |
| | | | | | | DS2 | $414,999.34 | $0.0023 |
| | | | | | | FOA | $5,112,928.85 | $0.0293 |
| | | | | | | IRP | $445.36 | $0.0000 |
| | | | | | | RD | $73,279.97- | $0.0004 |
| * TOTAL | | | | | | | $22,891,913.23 | $0.13124 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $94,295.62 | $0.0000 |
| * TOTAL | | | | | | | $94,295.62 | $0.00000 |
| OWN | 1,329,275 | 55 | 24,169 | 55 | 24,169 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| PP | 190,199,725 | 165 | 152,726 | 176 | 80,680 | BASE | $15,297,331.10 | $0.0804 |
| | | | | | | DS2 | $452,485.18 | $0.0023 |
| | | | | | | FOA | $5,494,567.02 | $0.0288 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 09/03/04
RUN TIME: 23:40:10

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $8.20 | $0.0000 |
| | | | | | | RD | $64,840.45- | $0.0003 |
| * TOTAL | | | | | | | $21,179,551.05 | $0.11135 |
| PS | 75,542,340 | 192 | 393,450 | 199 | 379,610 | BASE | $6,565,832.72 | $0.0869 |
| | | | | | | DS2 | $179,684.36 | $0.0023 |
| | | | | | | FOA | $2,219,292.16 | $0.0293 |
| | | | | | | IRP | $157.46 | $0.0000 |
| | | | | | | RD | $27,463.68- | $0.0003 |
| * TOTAL | | | | | | | $8,937,503.02 | $0.11831 |
| PT | 15,832,000 | 4 | 958,000 | 5 | 166,400 | BASE | $1,230,171.64 | $0.0777 |
| | | | | | | DS2 | $37,664.33 | $0.0023 |
| | | | | | | FOA | $465,348.96 | $0.0293 |
| | | | | | | RD | $5,143.82- | $0.0003 |
| * TOTAL | | | | | | | $1,728,041.11 | $0.10915 |
| R | 183,821,125 | 251,762 | 730 | 250,898 | 733 | BASE | $22,542,813.45 | $0.1226 |
| | | | | | | DS1 | $503,537.36 | $0.0027 |
| | | | | | | FOA | $5,339,404.67 | $0.0290 |
| | | | | | | IRP | $101.15 | $0.0000 |
| | | | | | | RD | $94,702.93- | $0.0005 |
| * TOTAL | | | | | | | $28,291,153.70 | $0.15391 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $1,290.00 | $0.0000 |
| * TOTAL | | | | | | | $1,290.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $135.00 | $0.0000 |
| * TOTAL | | | | | | | $135.00 | $0.00000 |
| RT | 144,784 | 161 | 899 | 161 | 899 | BASE | $17,565.03 | $0.1213 |
| | | | | | | DS1 | $397.54 | $0.0027 |
| | | | | | | FOA | $4,191.05 | $0.0289 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 09/03/04
RUN TIME: 23:40:10

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | IRP | $0.76 | $0.0000 |
| | | | | | | RD | $74.39- | $0.0005 |
| * TOTAL | | | | | | | $22,079.99 | $0.15250 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $2,977.50 | $0.0000 |
| * TOTAL | | | | | | | $2,977.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $233.00- | $0.0000 |
| * TOTAL | | | | | | | $233.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,725.00 | $0.0000 |
| * TOTAL | | | | | | | $5,725.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $55,350.00 | $0.0000 |
| * TOTAL | | | | | | | $55,350.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,291.73 | $0.0000 |
| * TOTAL | | | | | | | $3,291.73 | $0.00000 |
| U | 301,760 | 2 | 150,880 | 2 | 150,880 | BASE | $10,468.98 | $0.0346 |
| | | | | | | DS2 | $717.88 | $0.0023 |
| | | | | | | FOA | $8,723.78 | $0.0289 |
| | | | | | | RD | $44.21- | $0.0001 |
| * TOTAL | | | | | | | $19,866.43 | $0.06584 |
| V SCL Chart 9/8/04 L Shibata | 6,402,560- | 1 | 402,560- | 39- | 164,168 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $10,842.17- | $0.0000 |

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 09/03/04
RUN TIME: 23:40:10

| CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|
| | | | | | $10,842.17- | $0.00000 |
| 287,529 | 2,356 | 286,119 | 2,368 | BASE | $68,602,216.41 | $0.10127 |
| | | | | DS1 | $507,664.16 | $0.00075 |
| | | | | DS2 | $1,174,346.19 | $0.00173 |
| | | | | FOA | $19,832,063.96 | $0.02928 |
| | | | | FOE | $39,520.67 | $0.00006 |
| | | | | IRP | $695.89 | $0.00000 |
| | | | | RD | $287,066.52- | $0.00042- |
| | | | | RDE | $685.81- | $0.00000 |
| | | | | | $89,868,754.95 | $0.13267 |

Karl I. Shibata

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 08/2004 - TARIFF 1


RUN DATE: 09/03/04
RUN TIME: 23:40:10

| ATT SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|
| 3,426 | 287,529 | 2,356 | 286,119 | 2,368 | BASE | $68,602,216.41 | $0.10127 |
| | | | | | DS1 | $507,664.16 | $0.00075 |
| | | | | | DS2 | $1,174,346.19 | $0.00173 |
| | | | | | FOA | $19,832,063.96 | $0.02928 |
| | | | | | FOE | $39,520.67 | $0.00006 |
| | | | | | IRP | $695.89 | $0.00000 |
| | | | | | RD | $287,066.52- | $0.00042- |
| | | | | | RDE | $685.81- | $0.00000 |
| | | | | | | $89,868,754.95 | $0.13267 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 10/05/04
RUN TIME: 22:13:58

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,098.63- | $0.0000 |
| * TOTAL | | | | | | | $5,098.63- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $121.57- | $0.0000 |
| * TOTAL | | | | | | | $121.57- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $7,698.00 | $0.0000 |
| * TOTAL | | | | | | | $7,698.00 | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $76,035.00- | $0.0000 |
| * TOTAL | | | | | | | $76,035.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $27,098.00- | $0.0000 |
| * TOTAL | | | | | | | $27,098.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $20,072.67 | $0.0000 |
| * TOTAL | | | | | | | $20,072.67 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $10,324.09 | $0.0000 |
| * TOTAL | | | | | | | $10,324.09 | $0.00000 |
| E | 1,928,619 | 1,987 | 971 | 1,987 | 971 | BASE | $175,593.50 | $0.0910 |
| | | | | | | DS1 | $4,034.65 | $0.0020 |
| | | | | | | FOE | $47,239.81 | $0.0244 |
| | | | | | | IRP | $1.51 | $0.0000 |
| | | | | | | RDE | $725.19- | $0.0003 |
| * TOTAL | | | | | | | $226,144.28 | $0.11726 |
| F | 3,095,613 | 405 | 7,643 | 130 | 23,812 | BASE | $327,812.49 | $0.1059 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 10/05/04
RUN TIME: 22:13:58

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $105,063.26 | $0.0339 |
| | | | | | | IRP | $0.53 | $0.0000 |
| | | | | | | RD | $1,353.01- | $0.0004 |
| * TOTAL | | | | | | | $431,523.27 | $0.13940 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $3,390.00 | $0.0000 |
| * TOTAL | | | | | | | $3,390.00 | $0.00000 |
| G | 32,912,203 | 25,272 | 1,302 | 25,011 | 1,316 | BASE | $4,425,354.21 | $0.1344 |
| | | | | | | DS2 | $78,259.01 | $0.0023 |
| | | | | | | FOA | $1,079,139.08 | $0.0327 |
| | | | | | | IRP | $9.36 | $0.0000 |
| | | | | | | RD | $18,097.27- | $0.0005 |
| * TOTAL | | | | | | | $5,564,664.39 | $0.16908 |
| H | 5,160,472 | 1,066 | 4,841 | 1,066 | 4,841 | BASE | $519,272.64 | $0.1006 |
| | | | | | | DS2 | $12,276.74 | $0.0023 |
| | | | | | | FOA | $171,257.95 | $0.0331 |
| | | | | | | IRP | $0.00 | $0.0000 |
| | | | | | | RD | $2,144.73- | $0.0004 |
| * TOTAL | | | | | | | $700,662.60 | $0.13577 |
| J | 182,743,892 | 6,503 | 28,101 | 6,511 | 28,067 | BASE | $18,129,683.78 | $0.0992 |
| | | | | | | DS2 | $434,731.53 | $0.0023 |
| | | | | | | FOA | $5,983,346.39 | $0.0327 |
| | | | | | | IRP | $8.70 | $0.0000 |
| | | | | | | RD | $75,095.53- | $0.0004 |
| * TOTAL | | | | | | | $24,472,674.87 | $0.13392 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $82,408.36 | $0.0000 |
| * TOTAL | | | | | | | $82,408.36 | $0.00000 |
| OWN | 1,347,434 | 46 | 29,292 | 46 | 29,292 | BASE | $0.00 | $0.0000 |

E L E C T R I C  C O M P A N Y
REVENUE - BY SUMMARY RATE
MONTH 09/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 10/05/04
RUN TIME: 22:13:58

| METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|
| | | | $0.00 | $0.00000 |
| 174 | 67,598 | BASE | $14,991,400.51 | $0.0807 |
| | | DS2 | $441,821.22 | $0.0023 |
| | | FOA | $5,911,447.06 | $0.0318 |
| | | RD | $62,282.21- | $0.0003 |
| | | | $21,282,386.58 | $0.11457 |
| 195 | 381,114 | BASE | $6,449,215.42 | $0.0867 |
| | | DS2 | $176,800.51 | $0.0023 |
| | | FOA | $2,453,204.31 | $0.0330 |
| | | RD | $26,645.45- | $0.0003 |
| | | | $9,052,574.79 | $0.12181 |
| 5 | 81,600 | BASE | $1,205,774.36 | $0.0782 |
| | | DS2 | $36,655.63 | $0.0023 |
| | | FOA | $509,279.97 | $0.0330 |
| | | RD | $4,979.85- | $0.0003 |
| | | | $1,746,730.11 | $0.11337 |
| 251,954 | 771 | BASE | $23,751,751.97 | $0.1222 |
| | | DS1 | $532,307.73 | $0.0027 |
| | | FOA | $6,243,258.28 | $0.0321 |
| | | IRP | $5.25 | $0.0000 |
| | | RD | $97,829.25- | $0.0005 |
| | | | $30,429,493.98 | $0.15659 |
| 0 | 0 | BASE | $5,781.53 | $0.0000 |
| | | | $5,781.53 | $0.00000 |
| 0 | 0 | BASE | $150.00 | $0.0000 |
| | | | $150.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 10/05/04
RUN TIME: 22:13:58

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| RT | 156,751 | 161 | 974 | 161 | 974 | BASE | $18,880.93 | $0.1204 |
| | | | | | | DS1 | $429.46 | $0.0027 |
| | | | | | | FOA | $4,976.60 | $0.0317 |
| | | | | | | RD | $78.04- | $0.0005 |
| * TOTAL | | | | | | | $24,208.95 | $0.15444 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $4,057.50 | $0.0000 |
| * TOTAL | | | | | | | $4,057.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $132.00- | $0.0000 |
| * TOTAL | | | | | | | $132.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,289.53 | $0.0000 |
| * TOTAL | | | | | | | $5,289.53 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $54,740.00 | $0.0000 |
| * TOTAL | | | | | | | $54,740.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,277.89 | $0.0000 |
| * TOTAL | | | | | | | $3,277.89 | $0.00000 |
| U | 302,400 | 2 | 151,200 | 2 | 151,200 | BASE | $10,882.19 | $0.0359 |
| | | | | | | DS2 | $719.41 | $0.0023 |
| | | | | | | FOA | $9,596.98 | $0.0317 |
| | | | | | | RD | $44.94- | $0.0001 |
| * TOTAL | | | | | | | $21,153.64 | $0.06995 |
| V | 80 | 1 | 80 | 1 | 80 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 10/05/04
RUN TIME: 22:13:58

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $10,935.33- | $0.0000 |
| * TOTAL | | | | | | | $10,935.33- | $0.00000 |
| TARIFF | 697,463,959 | 288,609 | 2,417 | 287,243 | 2,428 | BASE | $70,083,391.04 | $0.10048 |
| | | | | | | DS1 | $536,771.84 | $0.00077 |
| | | | | | | DS2 | $1,181,264.05 | $0.00169 |
| | | | | | | FOA | $22,470,569.88 | $0.03222 |
| | | | | | | FOE | $47,239.81 | $0.00007 |
| | | | | | | IRP | $25.35 | $0.00000 |
| | | | | | | RD | $288,550.28- | $0.00041- |
| | | | | | | RDE | $725.19- | $0.00000 |
| ** TOTAL | | | | | | | $94,029,986.50 | $0.13482 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 09/2004 - TARIFF 1

PAGE NUMBER: 6
RUN DATE: 10/05/04
RUN TIME: 22:13:58

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| COMPANY | 697,463,959 | 288,609 | 2,417 | 287,243 | 2,428 | BASE | $70,083,391.04 | $0.10048 |
| | | | | | | DS1 | $536,771.84 | $0.00077 |
| | | | | | | DS2 | $1,181,264.05 | $0.00169 |
| | | | | | | FOA | $22,470,569.88 | $0.03222 |
| | | | | | | FOE | $47,239.81 | $0.00007 |
| | | | | | | IRP | $25.35 | $0.00000 |
| | | | | | | RD | $288,550.28- | $0.00041- |
| | | | | | | RDE | $725.19- | $0.00000 |
| *** TOTAL | | | | | | | $94,029,986.50 | $0.13482 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 11/04/04
RUN TIME: 22:38:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,043.28- | $0.0000 |
| * TOTAL | | | | | | | $5,043.28- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $99.94- | $0.0000 |
| * TOTAL | | | | | | | $99.94- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $7,698.00- | $0.0000 |
| * TOTAL | | | | | | | $7,698.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $154.00- | $0.0000 |
| * TOTAL | | | | | | | $154.00- | $0.00000 |
| CIN | 0 | 0 | 0 | 0 | 0 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $20,036.70 | $0.0000 |
| * TOTAL | | | | | | | $20,036.70 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $10,127.96 | $0.0000 |
| * TOTAL | | | | | | | $10,127.96 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $228.46 | $0.0000 |
| * TOTAL | | | | | | | $228.46 | $0.00000 |
| E | 1,836,385 | 1,983 | 926 | 1,983 | 926 | BASE | $166,046.23 | $0.0904 |
| | | | | | | DS1 | $3,803.69 | $0.0020 |
| | | | | | | FOE | $51,132.96 | $0.0278 |
| | | | | | | RDE | $685.81- | $0.0003 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 11/04/04
RUN TIME: 22:38:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $220,297.07 | $0.11996 |
| F | 3,156,151 | 425 | 7,426 | 128 | 24,657 | BASE | $332,930.29 | $0.1054 |
| | | | | | | FOA | $122,539.97 | $0.0388 |
| | | | | | | IRP | $0.66 | $0.0000 |
| | | | | | | RD | $1,380.47- | $0.0004 |
| * TOTAL | | | | | | | $454,090.45 | $0.14387 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $6,045.00 | $0.0000 |
| * TOTAL | | | | | | | $6,045.00 | $0.00000 |
| G | 32,321,112 | 25,158 | 1,285 | 24,897 | 1,298 | BASE | $4,355,555.50 | $0.1347 |
| | | | | | | DS2 | $76,865.99 | $0.0023 |
| | | | | | | FOA | $1,214,873.37 | $0.0375 |
| | | | | | | IRP | $8.52- | $0.0000 |
| | | | | | | RD | $17,815.91- | $0.0005 |
| * TOTAL | | | | | | | $5,629,470.43 | $0.17417 |
| H | 4,968,215 | 1,068 | 4,652 | 1,068 | 4,652 | BASE | $505,020.58 | $0.1016 |
| | | | | | | DS2 | $11,819.43 | $0.0023 |
| | | | | | | FOA | $188,522.37 | $0.0379 |
| | | | | | | RD | $2,085.41- | $0.0004 |
| * TOTAL | | | | | | | $703,276.97 | $0.14156 |
| J | 177,406,816 | 6,549 | 27,089 | 6,557 | 27,056 | BASE | $17,716,794.09 | $0.0998 |
| | | | | | | DS2 | $422,082.18 | $0.0023 |
| | | | | | | FOA | $6,662,333.35 | $0.0375 |
| | | | | | | IRP | $28.72- | $0.0000 |
| | | | | | | RD | $73,240.13- | $0.0004 |
| * TOTAL | | | | | | | $24,727,940.77 | $0.13939 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $84,429.61 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 11/04/04
RUN TIME: 22:38:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $84,429.61 | $0.00000 |
| OWN | 1,369,597 | 46 | 29,774 | 46 | 29,774 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| PP | 181,473,601 | 161 | 127,165 | 172 | 55,079 | BASE | $14,705,215.92 | $0.0810 |
| | | | | | | DS2 | $431,725.75 | $0.0023 |
| | | | | | | FOA | $6,611,588.72 | $0.0364 |
| | | | | | | IRP | $0.00 | $0.0000 |
| | | | | | | RD | $61,180.12- | $0.0003 |
| * TOTAL | | | | | | | $21,687,350.27 | $0.11951 |
| PS | 71,386,780 | 188 | 379,717 | 195 | 366,086 | BASE | $6,272,156.37 | $0.0878 |
| | | | | | | DS2 | $169,829.18 | $0.0023 |
| | | | | | | FOA | $2,695,142.15 | $0.0377 |
| | | | | | | RD | $25,916.09- | $0.0003 |
| * TOTAL | | | | | | | $9,111,211.61 | $0.12763 |
| PT | 14,608,000 | 4 | 652,000 | 5 | 921,600 | BASE | $1,147,094.00 | $0.0785 |
| | | | | | | DS2 | $34,752.44 | $0.0023 |
| | | | | | | FOA | $548,669.66 | $0.0375 |
| | | | | | | IRP | $906.47 | $0.0000 |
| | | | | | | RD | $4,737.49- | $0.0003 |
| * TOTAL | | | | | | | $1,726,685.08 | $0.11820 |
| R | 188,246,876 | 251,729 | 748 | 250,878 | 750 | BASE | $23,036,734.59 | $0.1223 |
| | | | | | | DS1 | $515,675.64 | $0.0027 |
| | | | | | | FOA | $6,939,975.59 | $0.0368 |
| | | | | | | IRP | $0.41 | $0.0000 |
| | | | | | | RD | $94,986.25- | $0.0005 |
| * TOTAL | | | | | | | $30,397,399.98 | $0.16148 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $10,010.00 | $0.0000 |

| 4<br>1/04/04<br>2:38:49 | COST/<br>KWH | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | 0.00000 | $0.0000 | 0.00000 | $0.1215<br>$0.0027<br>$0.0364<br>$0.0005 | 0.16028 | $0.0000 | 0.00000 | $0.0000 | 0.00000 | $0.0000 | 0.00000 | $0.0000 | 0.00000 | $0.0339<br>$0.0023<br>$0.0364 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 10/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 11/04/04
RUN TIME: 22:38:49

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | RD | $43.76- | $0.0001 |
| * TOTAL | | | | | | | $22,639.77 | $0.07262 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $11,081.87- | $0.0000 |
| * TOTAL | | | | | | | $11,081.87- | $0.00000 |
| TARIFF | 677,238,103 | 287,479 | 2,356 | 286,097 | 2,367 | BASE | $68,436,255.21 | $0.10105 |
| | | | | | | DS1 | $519,898.08 | $0.00077 |
| | | | | | | DS2 | $1,147,816.65 | $0.00169 |
| | | | | | | FOA | $25,000,565.08 | $0.03692 |
| | | | | | | FOE | $51,132.96 | $0.00008 |
| | | | | | | IRP | $870.30 | $0.00000 |
| | | | | | | RD | $281,462.35- | $0.00042- |
| | | | | | | RDE | $685.81- | $0.00000 |
| ** TOTAL | | | | | | | $94,874,390.12 | $0.14009 |

ELECTRIC COMPANY
EVENUE - BY SUMMARY RATE
ONTH 10/2004 - TARIFF 1

PAGE NUMBER: 6
RUN DATE: 11/04/04
RUN TIME: 22:38:49

| METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|
| 286,097 | 2,367 | BASE | $68,436,255.21 | $0.10105 |
| | | DS1 | $519,898.08 | $0.00077 |
| | | DS2 | $1,147,816.65 | $0.00169 |
| | | FOA | $25,000,565.08 | $0.03692 |
| | | FOE | $51,132.96 | $0.00008 |
| | | IRP | $870.30 | $0.00000 |
| | | RD | $281,462.35- | $0.00042- |
| | | RDE | $685.81- | $0.00000 |
| | | | $94,874,390.12 | $0.14009 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 12/04/04
RUN TIME: 00:48:16

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| APD | 0 | 0 | 0 | 0 | 0 | BASE | $5,249.69- | $0.0000 |
| * TOTAL | | | | | | | $5,249.69- | $0.00000 |
| CBW | 0 | 0 | 0 | 0 | 0 | BASE | $61.95- | $0.0000 |
| * TOTAL | | | | | | | $61.95- | $0.00000 |
| CIC | 0 | 0 | 0 | 0 | 0 | BASE | $29,924.00- | $0.0000 |
| * TOTAL | | | | | | | $29,924.00- | $0.00000 |
| CIE | 0 | 0 | 0 | 0 | 0 | BASE | $277.00- | $0.0000 |
| * TOTAL | | | | | | | $277.00- | $0.00000 |
| CS1 | 0 | 0 | 0 | 0 | 0 | BASE | $19,358.35 | $0.0000 |
| * TOTAL | | | | | | | $19,358.35 | $0.00000 |
| CS2 | 0 | 0 | 0 | 0 | 0 | BASE | $9,682.83 | $0.0000 |
| * TOTAL | | | | | | | $9,682.83 | $0.00000 |
| DEP | 0 | 0 | 0 | 0 | 0 | BASE | $45.37- | $0.0000 |
| * TOTAL | | | | | | | $45.37- | $0.00000 |
| E | 1,737,386 | 1,991 | 873 | 1,991 | 873 | BASE | $155,571.12 | $0.0895 |
| | | | | | | DS1 | $3,548.24 | $0.0020 |
| | | | | | | FOE | $53,568.94 | $0.0308 |
| | | | | | | RDE | $619.99- | $0.0003 |
| * TOTAL | | | | | | | $212,068.31 | $0.12206 |
| F | 3,193,017 | 413 | 7,731 | 130 | 24,562 | BASE | $337,060.75 | $0.1055 |
| | | | | | | FOA | $137,361.27 | $0.0430 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2004 - TARIFF 1

PAGE NUMBER: 2
RUN DATE: 12/04/04
RUN TIME: 00:48:16

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | RD | $1,304.74- | $0.0004 |
| * TOTAL | | | | | | | $473,117.28 | $0.14817 |
| FCC | 0 | 0 | 0 | 0 | 0 | BASE | $4,575.00 | $0.0000 |
| * TOTAL | | | | | | | $4,575.00 | $0.00000 |
| G | 30,238,572 | 25,208 | 1,200 | 24,947 | 1,212 | BASE | $4,120,683.79 | $0.1362 |
| | | | | | | DS2 | $72,020.42 | $0.0023 |
| | | | | | | FOA | $1,274,041.14 | $0.0421 |
| | | | | | | IRP | $0.84 | $0.0000 |
| | | | | | | RD | $16,093.95- | $0.0005 |
| * TOTAL | | | | | | | $5,450,652.24 | $0.18025 |
| H | 4,668,970 | 1,069 | 4,368 | 1,069 | 4,368 | BASE | $481,001.48 | $0.1030 |
| | | | | | | DS2 | $11,107.37 | $0.0023 |
| | | | | | | FOA | $198,121.23 | $0.0424 |
| | | | | | | RD | $1,882.61- | $0.0004 |
| * TOTAL | | | | | | | $688,347.47 | $0.14743 |
| J | 167,569,475 | 6,508 | 25,748 | 6,516 | 25,717 | BASE | $16,922,435.94 | $0.1009 |
| | | | | | | DS2 | $398,494.36 | $0.0023 |
| | | | | | | FOA | $7,025,223.07 | $0.0419 |
| | | | | | | IRP | $49.22 | $0.0000 |
| | | | | | | RD | $66,490.28- | $0.0004 |
| * TOTAL | | | | | | | $24,279,712.31 | $0.14489 |
| LPY | 0 | 0 | 0 | 0 | 0 | BASE | $91,885.50 | $0.0000 |
| * TOTAL | | | | | | | $91,885.50 | $0.00000 |
| OWN | 1,271,402 | 44 | 28,896 | 44 | 28,896 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 12/04/04
RUN TIME: 00:48:16

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| PP | 176,555,280 | 161 | 96,617 | 171 | 32,487 | BASE | $14,329,107.38 | $0.0811 |
| | | | | | | DS2 | $420,041.80 | $0.0023 |
| | | | | | | FOA | $7,222,950.25 | $0.0409 |
| | | | | | | RD | $57,992.53- | $0.0003 |
| * TOTAL | | | | | | | $21,914,106.90 | $0.12412 |
| PS | 70,249,920 | 188 | 373,670 | 195 | 360,256 | BASE | $6,190,634.25 | $0.0881 |
| | | | | | | DS2 | $167,124.61 | $0.0023 |
| | | | | | | FOA | $2,963,288.51 | $0.0421 |
| | | | | | | RD | $24,347.25- | $0.0003 |
| * TOTAL | | | | | | | $9,296,700.12 | $0.13234 |
| PT | 14,328,000 | 4 | 582,000 | 5 | 865,600 | BASE | $1,129,760.64 | $0.0788 |
| | | | | | | DS2 | $34,086.32 | $0.0023 |
| | | | | | | FOA | $605,415.10 | $0.0422 |
| | | | | | | RD | $4,437.19- | $0.0003 |
| * TOTAL | | | | | | | $1,764,824.87 | $0.12317 |
| R | 177,550,349 | 252,218 | 704 | 251,383 | 706 | BASE | $21,823,200.67 | $0.1229 |
| | | | | | | DS1 | $485,989.13 | $0.0027 |
| | | | | | | FOA | $7,346,208.86 | $0.0413 |
| | | | | | | IRP | $4.68 | $0.0000 |
| | | | | | | RD | $86,699.41- | $0.0004 |
| * TOTAL | | | | | | | $29,568,703.93 | $0.16654 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $6,280.00 | $0.0000 |
| * TOTAL | | | | | | | $6,280.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $585.00 | $0.0000 |
| * TOTAL | | | | | | | $585.00 | $0.00000 |
| RT | 133,910 | 156 | 858 | 156 | 858 | BASE | $16,347.04 | $0.1220 |
| | | | | | | DS1 | $366.85 | $0.0027 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 12/04/04
RUN TIME: 00:48:16

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | FOA | $5,501.23 | $0.0410 |
| | | | | | | RD | $65.48- | $0.0004 |
| * TOTAL | | | | | | | $22,149.64 | $0.16541 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,367.50 | $0.0000 |
| * TOTAL | | | | | | | $3,367.50 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $185.84- | $0.0000 |
| * TOTAL | | | | | | | $185.84- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $5,778.53 | $0.0000 |
| * TOTAL | | | | | | | $5,778.53 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $44,025.00 | $0.0000 |
| * TOTAL | | | | | | | $44,025.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,158.80 | $0.0000 |
| * TOTAL | | | | | | | $3,158.80 | $0.00000 |
| U | 308,880 | 2 | 154,440 | 2 | 154,440 | BASE | $11,374.17 | $0.0368 |
| | | | | | | DS2 | $734.83 | $0.0023 |
| | | | | | | FOA | $12,657.46 | $0.0409 |
| | | | | | | RD | $45.59- | $0.0001 |
| * TOTAL | | | | | | | $24,720.87 | $0.08003 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $11,047.79- | $0.0000 |
| * TOTAL | | | | | | | $11,047.79- | $0.00000 |
| TARIFF | 647,805,161 | 287,962 | 2,250 | 286,609 | 2,260 | BASE | $65,659,082.10 | $0.10136 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 11/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 12/04/04
RUN TIME: 00:48:16

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| | | | | | | DS1 | $489,904.22 | $0.00076 |
| | | | | | | DS2 | $1,103,609.71 | $0.00170 |
| | | | | | | FOA | $26,790,768.12 | $0.04136 |
| | | | | | | FOE | $53,568.94 | $0.00008 |
| | | | | | | IRP | $54.74 | $0.00000 |
| | | | | | | RD | $259,359.03- | $0.00040- |
| | | | | | | RDE | $619.99- | $0.00000 |
| ** TOTAL | | | | | | | $93,837,008.81 | $0.14485 |

COMPANY
ARY RATE
ARIFF 1

PAGE NUMBER: 6
RUN DATE: 12/04/04
RUN TIME: 00:48:16

| KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|
| 2,260 | BASE | $65,659,082.10 | $0.10136 |
| | DS1 | $489,904.22 | $0.00076 |
| | DS2 | $1,103,609.71 | $0.00170 |
| | FOA | $26,790,768.12 | $0.04136 |
| | FOE | $53,568.94 | $0.00008 |
| | IRP | $54.74 | $0.00000 |
| | RD | $259,359.03- | $0.00040- |
| | RDE | $619.99- | $0.00000 |
| | | $93,837,008.81 | $0.14485 |

I A N  E L E C T R I C  C O M P A N Y
ONTHLY REVENUE - BY SUMMARY RATE
EVENUE MONTH 12/2004 - TARIFF 1

PAGE NUMBER: 1
RUN DATE: 01/06/05
RUN TIME: 02:05:35

| KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|
| 0 | 0 | 0 | BASE | $5,019.39- | $0.0000 |
| | | | | $5,019.39- | $0.00000 |
| 0 | 0 | 0 | BASE | $59.43- | $0.0000 |
| | | | | $59.43- | $0.00000 |
| 0 | 0 | 0 | BASE | $7,370.00- | $0.0000 |
| | | | | $7,370.00- | $0.00000 |
| 0 | 0 | 0 | BASE | $29,988.00- | $0.0000 |
| | | | | $29,988.00- | $0.00000 |
| 0 | 0 | 0 | BASE | $10,747.00- | $0.0000 |
| | | | | $10,747.00- | $0.00000 |
| 0 | 0 | 0 | BASE | $18,638.22 | $0.0000 |
| | | | | $18,638.22 | $0.00000 |
| 0 | 0 | 0 | BASE | $9,318.31 | $0.0000 |
| | | | | $9,318.31 | $0.00000 |
| 0 | 0 | 0 | BASE | $25.87- | $0.0000 |
| | | | | $25.87- | $0.00000 |
| 818 | 2,006 | 818 | BASE | $145,505.35 | $0.0886 |
| | | | DS1 | $3,302.98 | $0.0020 |
| | | | FOE | $53,845.09 | $0.0328 |
| | | | RDE | $556.22- | $0.0003 |

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2004 - TARIFF 1


RUN DATE: 01/06/05
RUN TIME: 02:05:35

| WATT S SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|
| | | | | | | $202,097.20 | $0.12312 |
| 96,925 | 405 | 7,647 | 128 | 24,195 | BASE | $327,066.67 | $0.1056 |
| | | | | | FOA | $140,882.73 | $0.0454 |
| | | | | | RD | $1,248.40- | $0.0004 |
| | | | | | | $466,701.00 | $0.15070 |
| 0 | 0 | 0 | 0 | 0 | BASE | $5,730.00 | $0.0000 |
| | | | | | | $5,730.00 | $0.00000 |
| 89,827 | 25,241 | 1,133 | 24,980 | 1,145 | BASE | $3,941,988.00 | $0.1378 |
| | | | | | DS2 | $67,984.85 | $0.0023 |
| | | | | | FOA | $1,284,801.62 | $0.0449 |
| | | | | | IRP | $2.29 | $0.0000 |
| | | | | | RD | $14,905.09- | $0.0005 |
| | | | | | | $5,279,871.67 | $0.18468 |
| 11,614 | 1,077 | 4,003 | 1,077 | 4,003 | BASE | $454,857.86 | $0.1055 |
| | | | | | DS2 | $10,257.47 | $0.0023 |
| | | | | | FOA | $194,606.74 | $0.0451 |
| | | | | | RD | $1,737.94- | $0.0004 |
| | | | | | | $657,984.13 | $0.15261 |
| 07,021 | 6,579 | 23,910 | 6,587 | 23,881 | BASE | $16,153,936.21 | $0.1026 |
| | | | | | DS2 | $374,144.64 | $0.0023 |
| | | | | | FOA | $7,065,765.53 | $0.0449 |
| | | | | | IRP | $2.97- | $0.0000 |
| | | | | | RD | $61,782.45- | $0.0003 |
| | | | | | | $23,532,060.96 | $0.14959 |
| 0 | 0 | 0 | 0 | 0 | BASE | $95,533.46 | $0.0000 |
| | | | | | | $95,533.46 | $0.00000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2004 - TARIFF 1

PAGE NUMBER: 3
RUN DATE: 01/06/05
RUN TIME: 02:05:35

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| OWN | 1,182,335 | 47 | 25,156 | 47 | 25,156 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| PP | 171,087,168 | 164 | 43,214 | 175 | 977,641 | BASE | $14,054,994.99 | $0.0821 |
| | | | | | | DS2 | $406,999.66 | $0.0023 |
| | | | | | | FOA | $7,614,158.48 | $0.0445 |
| | | | | | | RD | $53,999.48- | $0.0003 |
| | | | | | | TOD | $152.97- | $0.0000 |
| * TOTAL | | | | | | | $22,022,000.68 | $0.12872 |
| PS | 65,997,180 | 187 | 352,926 | 194 | 340,192 | BASE | $5,895,581.89 | $0.0893 |
| | | | | | | DS2 | $157,007.34 | $0.0023 |
| | | | | | | FOA | $2,979,074.84 | $0.0451 |
| | | | | | | RD | $22,523.24- | $0.0003 |
| * TOTAL | | | | | | | $9,009,140.83 | $0.13651 |
| PT | 13,072,000 | 4 | 268,000 | 5 | 614,400 | BASE | $1,046,859.63 | $0.0800 |
| | | | | | | DS2 | $31,098.29 | $0.0023 |
| | | | | | | FOA | $589,919.54 | $0.0451 |
| | | | | | | RD | $3,999.00- | $0.0003 |
| * TOTAL | | | | | | | $1,663,878.46 | $0.12729 |
| R | 167,233,646 | 252,633 | 662 | 251,796 | 664 | BASE | $20,669,369.74 | $0.1236 |
| | | | | | | DS1 | $458,058.55 | $0.0027 |
| | | | | | | FOA | $7,471,034.77 | $0.0446 |
| | | | | | | IRP | $0.30 | $0.0000 |
| | | | | | | RD | $78,810.36- | $0.0004 |
| * TOTAL | | | | | | | $28,519,653.00 | $0.17054 |
| RCS | 0 | 0 | 0 | 0 | 0 | BASE | $9,735.00 | $0.0000 |
| * TOTAL | | | | | | | $9,735.00 | $0.00000 |
| RCY | 0 | 0 | 0 | 0 | 0 | BASE | $735.00 | $0.0000 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

H A W A I I A N  E L E C T R I C  C O M P A N Y
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2004 - TARIFF 1

PAGE NUMBER: 4
RUN DATE: 01/06/05
RUN TIME: 02:05:35

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| * TOTAL | | | | | | | $735.00 | $0.00000 |
| RT | 130,885 | 158 | 828 | 158 | 828 | BASE | $16,109.24 | $0.1230 |
| | | | | | | DS1 | $359.54 | $0.0027 |
| | | | | | | FOA | $5,841.95 | $0.0446 |
| | | | | | | RD | $61.59- | $0.0004 |
| * TOTAL | | | | | | | $22,249.14 | $0.16999 |
| RTC | 0 | 0 | 0 | 0 | 0 | BASE | $3,960.00 | $0.0000 |
| * TOTAL | | | | | | | $3,960.00 | $0.00000 |
| SAT | 0 | 0 | 0 | 0 | 0 | BASE | $165.00- | $0.0000 |
| * TOTAL | | | | | | | $165.00- | $0.00000 |
| SVS | 0 | 0 | 0 | 0 | 0 | BASE | $4,690.00 | $0.0000 |
| * TOTAL | | | | | | | $4,690.00 | $0.00000 |
| SVY | 0 | 0 | 0 | 0 | 0 | BASE | $43,140.00 | $0.0000 |
| * TOTAL | | | | | | | $43,140.00 | $0.00000 |
| SX1 | 0 | 0 | 0 | 0 | 0 | BASE | $3,334.63 | $0.0000 |
| * TOTAL | | | | | | | $3,334.63 | $0.00000 |
| U | 309,760 | 2 | 154,880 | 2 | 154,880 | BASE | $10,691.29 | $0.0345 |
| | | | | | | DS2 | $736.92 | $0.0023 |
| | | | | | | FOA | $13,809.58 | $0.0445 |
| | | | | | | RD | $40.84- | $0.0001 |
| * TOTAL | | | | | | | $25,196.95 | $0.08134 |

SYSTEM: CBRCM500
PROGRAM: REV510
REPORT: REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2004 - TARIFF 1

PAGE NUMBER: 5
RUN DATE: 01/06/05
RUN TIME: 02:05:35

| SUMMARY RATE | KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|---|
| V | 80 | 1 | 80 | 1 | 80 | BASE | $0.00 | $0.0000 |
| * TOTAL | | | | | | | $0.00 | $0.00000 |
| WHC | 0 | 0 | 0 | 0 | 0 | BASE | $11,380.00- | $0.0000 |
| * TOTAL | | | | | | | $11,380.00- | $0.00000 |
| TARIFF | 613,959,942 | 288,504 | 2,128 | 287,156 | 2,138 | BASE | $62,847,020.80 | $0.10236 |
| | | | | | | DS1 | $461,721.07 | $0.00075 |
| | | | | | | DS2 | $1,048,229.17 | $0.00171 |
| | | | | | | FOA | $27,359,895.78 | $0.04456 |
| | | | | | | FOE | $53,845.09 | $0.00009 |
| | | | | | | IRP | $0.38- | $0.00000 |
| | | | | | | RD | $239,108.39- | $0.00039- |
| | | | | | | RDE | $556.22- | $0.00000 |
| | | | | | | TOD | $152.97- | $0.00000 |
| ** TOTAL | | | | | | | $91,530,893.95 | $0.14908 |

CBRCM500
REV510
REV510-01

HAWAIIAN ELECTRIC COMPANY
MONTHLY REVENUE - BY SUMMARY RATE
REVENUE MONTH 12/2004 - TARIFF 1

PAGE NUMBER: 6
RUN DATE: 01/06/05
RUN TIME: 02:05:35

| KILOWATT HOURS SOLD | CUSTOMER COUNT | KWH/ CUST | METER COUNT | KWH/ METER | BASE/ADJ SCHEDULE | REVENUE AMOUNT | COST/ KWH |
|---|---|---|---|---|---|---|---|
| 613,959,942 | 288,504 | 2,128 | 287,156 | 2,138 | BASE | $62,847,020.80 | $0.10236 |
| | | | | | DS1 | $461,721.07 | $0.00075 |
| | | | | | DS2 | $1,048,229.17 | $0.00171 |
| | | | | | FOA | $27,359,895.78 | $0.04456 |
| | | | | | FOE | $53,845.09 | $0.00009 |
| | | | | | IRP | $0.38- | $0.00000 |
| | | | | | RD | $239,108.39- | $0.00039- |
| | | | | | RDE | $556.22- | $0.00000 |
| | | | | | TOD | $152.97- | $0.00000 |
| | | | | | | $91,530,893.95 | $0.14908 |

# HECO UNBILLED SALES & REVENUE ESTIMATES
## DECEMBER 2002

| | KWH SALES | BASE REV | FUEL REV | IRI | IRP | TEMP | DSM | TOTAL REV | BASE REV ¢/KWH |
|---|---|---|---|---|---|---|---|---|---|
| R | 91,137,194 | 11,164,620.55 | 1,975,854.37 | 0.00 | 0.00 | 0.00 | 171,793.61 | 13,312,268.53 | 0.12250 |
| E | 916,592 | 80,763.15 | 14,291.74 | 0.00 | 0.00 | 0.00 | 1,242.62 | 96,297.51 | 0.08811 |
| R/E | 92,053,786 | 11,245,383.70 | 1,990,146.11 | 0.00 | 0.00 | 0.00 | 173,036.23 | 13,408,566.04 | 0.12216 |
| G | 12,126,005 | 1,657,981.66 | 262,891.79 | 0.00 | 0.00 | 0.00 | 28,205.09 | 1,949,078.54 | 0.13673 |
| J | 65,196,921 | 6,741,199.14 | 1,413,219.66 | 0.00 | 0.00 | 0.00 | 151,632.99 | 8,306,051.79 | 0.10340 |
| H | 1,844,050 | 192,736.22 | 39,979.00 | 0.00 | 0.00 | 0.00 | 4,289.26 | 237,004.48 | 0.10452 |
| P | 129,866,278 | 10,624,332.89 | 2,815,500.91 | 0.00 | 0.00 | 0.00 | 302,068.97 | 13,741,902.77 | 0.08181 |
| F | 465,130 | 49,413.28 | 10,084.02 | 0.00 | 0.00 | 0.00 | 0.00 | 59,497.30 | 0.10624 |
| TOTAL | 301,552,170 | 30,511,046.89 | 6,531,821.49 | 0.00 | 0.00 | 0.00 | 659,232.54 | 37,702,100.92 | 0.10118 |

* NOTE : See individual rate sheet for "NO BILL" or other types of adjustments.

| | KWH SALES | TOTAL REV |
|---|---|---|
| RESIDENTIAL: | 92,053,786 | 13,408,566.04 |
| COMMERCIAL: | 79,166,976 | 10,492,134.81 |
| LARGE POWER: | 129,866,278 | 13,741,902.77 |
| STREET LIGHTING: | 465,130 | 59,497.30 |
| TOTAL: | 301,552,170 | 37,702,100.92 |

1/7/03

CA-IR-22
DOCKET NO. 04-0113
PAGE 127 OF 128

# HECO UNBILLED SALES & REVENUE ESTIMATES
## JANUARY 2003

| | KWH SALES | BASE REV | FUEL REV | IRI | IRP | TEMP | DSM | TOTAL REV | BASE REV ¢/KWH |
|---|---|---|---|---|---|---|---|---|---|
| R | 89,130,069 | 10,860,711.26 | 2,037,513.38 | 0.00 | 0.00 | 0.00 | 168,010.18 | 13,066,234.82 | 0.12185 |
| E | 907,968 | 80,980.68 | 15,093.87 | 0.00 | 0.00 | 0.00 | 1,244.62 | 97,319.17 | 0.08919 |
| R/E | 90,038,037 | 10,941,691.94 | 2,052,607.25 | 0.00 | 0.00 | 0.00 | 169,254.80 | 13,163,553.99 | 0.12152 |
| G | 11,078,485 | 1,513,307.85 | 253,254.17 | 0.00 | 0.00 | 0.00 | 25,768.56 | 1,792,330.58 | 0.13660 |
| J | 59,270,406 | 6,116,835.58 | 1,354,858.66 | 0.00 | 0.00 | 0.00 | 137,856.89 | 7,609,551.13 | 0.10320 |
| H | 1,631,504 | 169,925.69 | 37,296.18 | 0.00 | 0.00 | 0.00 | 3,794.88 | 211,016.75 | 0.10415 |
| P | 122,628,792 | 9,983,742.06 | 2,802,873.61 | 0.00 | 0.00 | 0.00 | 285,234.58 | 13,071,850.25 | 0.08141 |
| F | 572,238 | 60,315.28 | 13,081.36 | 0.00 | 0.00 | 0.00 | 0.00 | 73,396.64 | 0.10540 |
| TOTAL | 285,219,462 | 28,785,818.40 | 6,513,971.23 | 0.00 | 0.00 | 0.00 | 621,909.71 | 35,921,699.34 | 0.10093 |

* NOTE : See individual rate sheet for "NO BILL" or other types of adjustments.

| | KWH SALES | TOTAL REV |
|---|---|---|
| RESIDENTIAL: | 90,038,037 | 13,163,553.99 |
| COMMERCIAL: | 71,980,395 | 9,612,898.46 |
| LARGE POWER: | 122,628,792 | 13,071,850.25 |
| STREET LIGHTING: | 572,238 | 73,396.64 |
| TOTAL: | 285,219,462 | 35,921,699.34 |