

BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF HAWAII

FILED

2013 MAR 28 P 4: 12

PUBLIC UTILITIES
COMMISSION

In the Matter of the Application of)	
)	
HAWAII ELECTRIC LIGHT COMPANY, INC.)	Transmittal No. 13-02 (Decoupling)
)	
For approval to modify the RBA Rate Adjustment)	Effective
in its Revenue Balancing Account Provision)	Date: June 1, 2013
Tariff)	
_____)	

I

Hawaii Electric Light Company, Inc. ("HELCO," "Applicant," or "Company") files this transmittal to revise paragraph E (Tariff Revised Sheet No. 91C) of its Revenue Balancing Account ("RBA") Provision tariff ("RBA Tariff"). In particular, this transmittal proposes to revise the RBA Rate Adjustment to \$0.004388 per kilowatt-hour ("kWh"), effective June 1, 2013 through May 31, 2014. The RBA Rate Adjustment is based on the Company's RBA balance at the end of 2012 and the Company's Rate Adjustment Mechanism ("RAM") Revenue Adjustment for calendar year 2013. It also incorporates the RAM adjustments resulting from Commission's *Order No. 31126 Approving, with Clarifications, Stipulated Settlement Agreement, Filed on January 28, 2013* ("Order No. 31126"), dated March 19, 2013 in Docket No. 2008-0083 (Hawaiian Electric Company Inc.'s ("Hawaiian Electric") 2009 test year rate case).

II

HELCO, whose executive office is located at 1200 Kilauea Avenue, Hilo, Hawaii, is a corporation duly organized under laws of the Republic of Hawaii on or about December 5, 1894, and is now existing under and by virtue of the laws of the State of Hawaii. HELCO is an

operating public utility engaged in the production, purchase, transmission, distribution and sale of electricity on the island of Hawaii.

III

Correspondence and communications in regard to this Transmittal No. 13-02 are to be addressed to:

Dean K. Matsuura
Manager, Regulatory Affairs
Hawaiian Electric Company, Inc.
P. O. Box 2750
Honolulu, Hawaii 96840

IV

HELCO seeks Commission authorization of this tariff transmittal pursuant to Sections 6-61-111, 6-61-74, 6-61-75, and 6-61-86 of the *Rules of Practice and Procedure before the Public Utilities Commission*, Hawaii Administrative Rules (“HAR”), Title 6, Chapter 61.

V

HELCO’s latest available balance sheet and income statement for the twelve months ending February 28, 2013 were filed with the Commission on March 28, 2013, and are incorporated by reference pursuant to HAR §6-61-76.

VI

The Commission approved the decoupling mechanism in the *Final Decision and Order*, filed August 31, 2010, in Docket No. 2008-0274 (“Final Decoupling Order”), stating that the “HECO Companies^[1] shall implement decoupling, and commence tracking target revenues and recorded adjusted revenues when rates that reflect a reduced ROR [rate of return] due to decoupling are approved by the commission in either an interim or final decision and order in the

¹ The “HECO Companies,” “Hawaiian Electric Companies” and “Companies” include Hawaiian Electric, Maui Electric Company, Limited (“MECO”) and HELCO.

HECO Companies pending rate cases[,]” subject to certain conditions and modifications. (Final Decoupling Order at 129.) Since then, the Commission issued orders in the Companies’ respective rate case proceedings which allowed for the implementation of decoupling by the Hawaiian Electric Companies. Hawaiian Electric filed to establish its annual RBA Rate Adjustment in 2011 and in 2012. HELCO filed its annual RBA Rate Adjustment in 2012, which was a negative RBA rate. The Commission approved the Hawaiian Electric and HELCO tariff filings as revised. MECO filed its RBA Rate Adjustment schedules and workpapers in 2012 for informational purposes only. All three Companies are filing for the RBA Rate Adjustments in 2013.

As previously stated, the Commission issued orders which allowed the implementation of decoupling for each of the Companies. With regard to HELCO, on February 8, 2012, the Commission issued *Decision and Order No. 30168* in Docket No. 2009-0164, HELCO’s 2010 test year rate case proceeding (“Order No. 30168”), allowing “HELCO to implement the decoupling mechanism that the commission approved in the decoupling proceeding, Docket No. 2008-0274, on August 31, 2010, and orders the implementation date of decoupling to be concurrent with the effective date of the final rates approved in this rate case.” (Order No. 30168 at 1.)

In accordance with Order No. 30168, on February 21, 2012 the Company filed its revised results of operations and supporting schedules, and tariff sheets reflecting the rate increase allowed by Order No. 30168.² In *Order No. 30301 Approving Revised Schedules and Tariff Sheets*, filed April 4, 2012, in Docket No. 2009-0164, the Commission ordered that HELCO’s

² In Order No. 30168, page 109, the Commission stated that the Consumer Advocate may file comments within fourteen days of HELCO’s filing. The Consumer Advocate did not file comments.

revised tariff sheets and rate schedules shall take effect two business days after the issuance of this order. The tariff sheets and rate schedules went into effect on April 9, 2012.

On April 11, 2012, HELCO filed Transmittal No. 12-03 to establish the RBA Rate Adjustment for 2012, which was a negative rate and resulted in a reduction to customer bills. On April 18, 2012, HELCO submitted corrections to its original filing and revised the effective date of the tariff to June 18, 2012 to allow the Consumer Advocate the full 60-day review period. On June 7, 2012, the Consumer Advocate submitted its Statement of Position stating that it reviewed HELCO's filing and did not recommend any adjustments. On June 14, 2012, the Commission issued *Order No. 30435 Approving HELCO's Tariff Transmittal, Filed on April 11, 2012, as Revised on April 18, 2012*, approving HELCO's revised adjustment for the recovery period of June 18, 2012 to May 31, 2013. On December 21, 2012, HELCO filed to modify its target revenues by decreasing its 2012 target revenues to account for a correction to its labor cost escalation rate, effective June 18, 2012.³

VII

On January 28, 2013, the Hawaiian Electric Companies and the Consumer Advocate filed their *Stipulated Settlement Agreement between the Hawaiian Electric Companies and the Division of Consumer Advocacy regarding Certain Regulatory Matters* ("Stipulated Settlement") in Docket No. 2008-0083 on a number of regulatory matters which, among others, included the following⁴:

³ Refer to *Transmittal No. 12-03, HELCO Modification of Target Revenues* filed with the Commission on December 21, 2012. With respect to the decoupling tariff, HELCO also filed Transmittal No. 12-04 on September 10, 2012 to modify HELCO's tariff provisions to be consistent with Hawaiian Electric's and MECO's tariffs. On September 27, 2012, the Consumer Advocate filed its Statement of Position stating that it did not object to the approval of the transmittal, and on October 4, 2012, the Commission issued *Order No. 30676 Approving HELCO's Application, Filed on September 10, 2012*, approving the proposed tariff revisions in Transmittal No. 12-04 to become effective October 11, 2012.

⁴ The Stipulated Settlement also provides that: (1) MECO and the Consumer Advocate will continue to support the Parties' Stipulated Settlement in the MECO 2012 test year rate case (Docket No. 2011-0092), including issues

- The Hawaiian Electric Companies will write-off, for accounting and ratemaking purposes, \$40 million of costs in lieu of conducting the regulatory audits of the Campbell Industrial Park Combustion Turbine Unit 1 (“CIP CT-1”) and the Customer Information System (“CIS”) projects ordered in the *Order Approving Consumer Advocate’s Recommendations regarding Focused Regulatory Audits*, issued on May 2, 2011 in Docket No. 2008-0083.⁵ For purposes of accounting for the Stipulated Settlement, the entire write-off (\$29 million for Hawaiian Electric, and \$5.5 million each for HELCO and MECO) will be adjusted as part of the cost of the CIS project. The remaining net recoverable costs of CIP CT-1 and the CIS projects would be included in rate base as of December 31, 2012.
- The Hawaiian Electric Companies will include the net recoverable costs of the CIP CT-1 and the CIS projects not already included in rates in their 2013 RAM Revenue Adjustments. The Consumer Advocate will support RAM recovery in 2013 and the subsequent years thereafter and in the Hawaiian Electric, HELCO and MECO rate cases for the allowed portion of the CIP CT-1 (Hawaiian Electric only) and CIS project costs in excess of the costs previously included in rate base, along with related accumulated depreciation, accumulated deferred income taxes, unamortized ITC, unamortized deferred CIS costs, the unamortized regulatory assets related to the carrying charges and

related to, among other things, decoupling; (2) Hawaiian Electric will delay the filing of its 2014 test year rate case to file no earlier than January 2, 2014, and the Consumer Advocate will recommend that Hawaiian Electric be granted a waiver of HAR §6-61-87(4) that would enable Hawaiian Electric to file in 2014 a rate case application using a 2014 test year and (3) for the 2014, 2015 and 2016 RAM periods, Hawaiian Electric will be allowed to record the 2014, 2015 and 2016 RAM revenue adjustments beginning from the January 1 through December 31 calendar year (once Hawaiian Electric is able to assess the amount), and collect the RAM revenue adjustments through the RBA Rate Adjustment (which includes the RAM Revenue Adjustment) from June 1 of each year to May 31 of the following year. At the conclusion of that period, the current RAM provisions will again apply in accordance with the Amended Joint Proposal approved by the *Final Decision and Order* issued in the decoupling proceeding (Docket No. 2008-0274).

⁵ This write-off amount is in addition to all credits received from the Hawaiian Electric Companies’ prior CIS vendor, which credits have already been used to reduce the capitalized costs of the CIS project.

deferred depreciation, as well as related project depreciation and regulatory asset amortization expenses. Recovery of the CIS costs through the RAM Revenue Adjustment mechanism was for the sole purpose of this Stipulated Settlement and did not constitute a precedent for the recovery of software costs through the RAM Revenue Adjustment mechanism.

- HELCO will withdraw its 2013 test year rate case (Docket No. 2012-0099) and will submit annual RBA/RAM rate adjustment filings rolling forward the base year information from the prior HELCO (2010 test year) rate case (Docket No. 2009-0164) and will not file a rate case until its 2016 test year rate case.
- Through calendar year 2016, the Hawaiian Electric Companies and the Consumer Advocate will recommend and support continuation of the Companies' existing recovery mechanisms, including the decoupling RBA and RAM, as well as the temporary acceleration of Hawaiian Electric's RBA/RAM Revenue Adjustment and the agreement to recover CIS costs through the RAM Revenue Adjustment described above.

On January 31, 2013, the Department of Defense (which was a party to the rate case proceeding) stated that it does not object to this Stipulated Settlement.

On March 19, 2013, the Commission issued Order No. 31126 approving the Stipulated Settlement with the following clarifications: (1) the Commission reiterated its authority to examine and ascertain what post go-live CIS costs would be subject to regulatory review in future rate cases; (2) the Commission discouraged requesting single issue cost deferral accounting and/or cost recovery mechanisms during the period of rate case deferral; (3) the Commission approved the agreed-upon recovery of CIP CT-1 and CIS project costs through the RAM, as set forth in the Stipulated Settlement; however, this did not set a precedent for future

projects; and (4) the Commission reaffirmed its right to rule on the substance of the MECO 2012 test year rate case in its ongoing rate case proceeding.⁶

While recognizing that this will result in a rate increase to ratepayers,⁷ the Commission approved the Stipulated Settlement as just and reasonable, stating that it terminates further accrual of carrying costs for those projects pending potentially long regulatory audits of these projects, and expects that this will free up the Companies' resources to enable greater focus on achieving Hawaii's statutory energy mandates and policies of increased energy efficiency and renewable generation and improve operational efficiencies.⁸ Subsequently, HELCO filed to withdraw its Application for a general rate increase in Docket No. 2012-0099.⁹ This tariff filing is consistent with the Stipulated Settlement and Order No. 31126.¹⁰

VIII

HELCO proposes an RBA Rate Adjustment of \$0.004388 per kWh for the June 1, 2013 through May 31, 2014 recovery period. The Company calculated its RBA Rate Adjustment according to its RBA and RAM tariff provisions.¹¹ In total, the HELCO 2013 RBA Revenue Adjustment is estimated at \$4.9 million, all of which is for the recovery of the RBA revenue

⁶ Refer to pages 8-10 of the Stipulated Settlement.

⁷ Order No. 31126 at page 10. The 2013 RAM revenue adjustment is based on the final project cost report for the CIS project to be filed with the Commission in Docket No. 04-0268 on April 1, 2013, and the \$40 million write-off and other provisions of the Stipulated Settlement approved by Order No. 31126. It reflects a slightly lower deferred CIS project cost from what was previously filed in the Stipulated Settlement. (Refer to Attachment 2, Schedules D1, D4 and E of this tariff transmittal.)

⁸ Refer to pages 8-9 of the Stipulated Settlement.

⁹ In Docket No. 2012-0099, on February 19, 2013, the Company and the Consumer Advocate requested to suspend the proceeding until the Commission issued a decision on the Stipulated Settlement. On March 8, 2013, the Commission issued *Order No. 31097 Approving the Parties' Request to Suspend the Proceeding* approving the Company and Consumer Advocate's request to suspend the rate case proceeding pending the issuance of a decision regarding the Stipulated Settlement. Subsequently, the Company withdrew its Application for a general rate case. (Refer to *Hawaii Electric Light Company, Inc.'s Withdrawal of Application and Certificate of Service*, dated March 22, 2013.) On March 27, 2013, the Commission approved the withdrawal and issued *Order No. 31133 Closing the Docket* in HELCO 2013 test year rate case proceeding.

¹⁰ In addition, HELCO will be filing shortly a transmittal to revise the decoupling language in its RBA and RAM tariff provisions to reflect Order No. 31126 and other clarifications.

¹¹ Refer to Tariff Sheet No. 89, Tariff Revised Sheet Nos. 89A – 89H, Tariff Sheet No. 91 and 91A and Tariff Revised Sheet Nos. 91B and 91C.

balance at year end 2012 (which includes the recovery period from April 9, 2012 through December 31, 2012) and a negligible negative amount (-\$18,300) is for the 2013 RAM revenue adjustment. There are no adjustments to the RBA Rate Adjustment for earnings sharing revenues credits or Commission-ordered major capital project credits or baseline capital project. (Refer to Schedule A of Attachment 2 described in Section IX of this tariff transmittal.)

The reconciliation of the RBA revenue balance represents the sales decoupling component of the Commission-approved decoupling mechanism which breaks the linkage between the Company's sales and total electric revenue.¹² This means that HELCO is allowed to record revenues only at target revenue levels authorized in the 2010 test year rate case and in annual decoupling tariff transmittals, regardless of the level of sales experienced. The \$4.5 million for reconciliation of the RBA revenue balance identified in the 2013 RBA Revenue Adjustment (grossed up to \$4.9 million to include revenue taxes) is the result of lower sales when compared to the 2010 test year. HELCO's 2012 recorded sales totaled 1,085.2 gigawatt-hours ("GWh"), which were 37.4 GWh, or 3.33%, lower than the 1,122.6 GWh test year estimate identified in the HELCO 2010 test year rate case.¹³

The key factors which contributed to the lower than forecasted sales in 2012 were the significantly higher penetration of customer-sited renewable generation and energy efficient technologies, customer conservation efforts driven by higher than projected energy prices, and the slower than assumed recovery of the economy.

The residential and commercial sectors both experienced lower than forecasted sales in 2012, with the larger decrease of 4.1% occurring in the residential sector where customers decreased their average monthly usage by 5.9%, as compared to the commercial sales decrease

¹² *Decision and Order No. 30168* in Docket No. 2009-0164, page 97.

¹³ See Docket No. 2009-0164, *Parties' Stipulated Settlement Letter*, filed September 10, 2010, Exhibit 1, page 7.

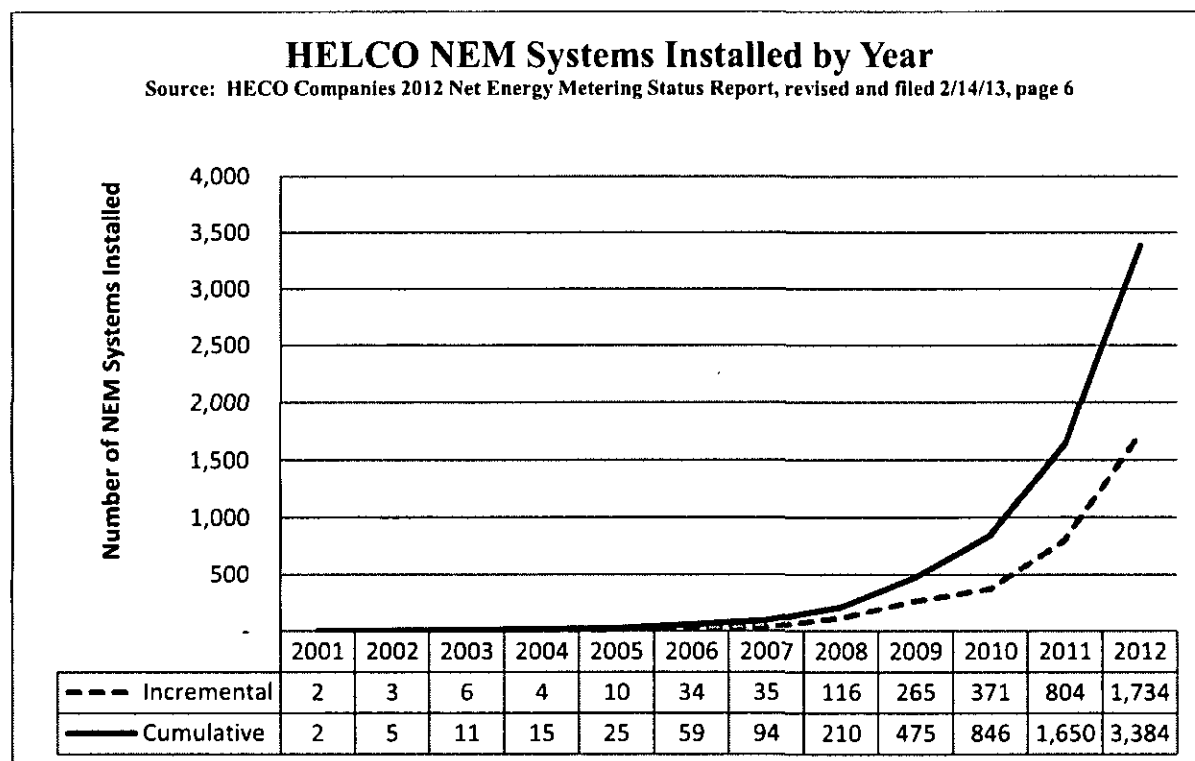
of 2.9% (see Table 1 below which compares 2012 actual sales (and some other measurables) against the 2010 test year forecast).

	TY2010	2012	Difference	% Diff
<u>Residential Sector</u>				
Sales (GWh) ¹	427.2	409.7	(17.5)	-4.1%
Customers	67,509	68,786	1,277	1.9%
Average Monthly Use (kWh/Customer)	527	496	(31)	-5.9%
Renewable Generation GWh Impacts (NEM/SIA/FIT) ²	3.5	13.5	10.0	285.7%
Energy Efficiency Impacts (GWh) ³	11.7	25.8	14.1	120.5%
Electricity Price (Nominal) ¢/kWh ⁴	35.3	42.5	7.20	20.4%
<u>Commercial Sector</u>				
Sales (GWh)	695.5	675.1	(20.4)	-2.9%
Customers	13,574	12,729	(845)	-6.2%
Renewable Generation GWh Impacts (NEM/SIA/FIT) ²	7.2	12.5	5.3	73.6%
Energy Efficiency Impacts (GWh) ³	30.3	27.4	(2.9)	-9.6%
Electricity Price (Nominal) ¢/kWh ⁴	32.3	39.3	7.00	21.7%
¹ Comparison was done between the 2011 test year and 2012.				
² Impacts are cumulative and assumes a 17% capacity factor for PV systems. TY2011 did not include impacts under FIT				
³ 2012 includes impacts provided by Hawaii Energy.				
⁴ Actual average annual electricity price excluding Schedule F.				

Higher energy prices coupled with federal and state incentives and utility tariffs such as Net Energy Metering (“NEM”), Standard Interconnection Agreements (“SIA”) and Feed-In-Tariffs (“FIT”) that support Hawaii’s clean energy infrastructure led to higher penetrations of customer sited renewable generation and energy efficient technologies which contributed to the lower than forecasted sales. The cumulative 2012 impacts attributed to the systems installed under NEM, SIA and FIT¹⁴ were significantly higher than assumed in the 2010 test year assumed impacts by 286% for the residential sector and more than 74% for the commercial sector. The volume of systems installed in the 2010-2012 timeframe was not anticipated given the historic and current

¹⁴ The impacts to sales under FIT are associated with the output from the system that offsets a customer’s load as opposed to what is sold to the Company.

levels in the first half of 2010 when the forecast was being developed. As shown in the 2012 Net Energy Metering Status Report revised and filed February 14, 2013, page 6, the number of NEM installed systems on HELCO's grid jumped from 265 in 2009, to 371 in 2010, 804 in 2011, and 1,734 in 2012, for a 554% increase over three years. Below shows a graph on the number of NEM systems installed by year.



The reduction to sales from the installation of energy efficient technologies was also underestimated. Impacts consistent with those filed in the Company's Integrated Resource Planning docket, Docket No. 04-0046, were used to develop the forecast as information on future program impacts were not available. The differences for both 2011 and 2012 between the Public Benefits Fund Administrator's programs and those identified in the Energy Efficiency docket, Docket No. 05-0069, resulted in impacts that were greater than the demand side management ("DSM") impact assumed in the test year.

The 2010 test year sales were based on a Hawaii economic outlook prepared by the University of Hawaii Economic Research Organization (“UHERO”) in May, 2009. At that time, the national and local economies were expected to emerge from the recession sooner than what transpired. In 2010 and 2011, rather than strengthen, the U.S. economic recovery slowed, and other global economies struggled following natural disasters such as the Tohoku earthquake and tsunami in Japan, political gridlocks and fiscal crises in the U.S. and Europe, and slowing growth in China. Hawaii’s economic recovery in 2012 was uneven with one key industry, tourism, growing at a rapid pace while recovery in other parts of the economy continued more slowly.

The RAM revenue adjustment component of the decoupling mechanism is intended to compensate the Company for increases in utility costs and infrastructure investments between rate cases.¹⁵ HELCO’s RAM revenue adjustment calculations reflect such increases in utility labor and non-labor costs, and investments to provide ongoing reliability, preventively replace aging plant and enhance renewable energy integration.¹⁶ The 2013 Operation and Maintenance (O&M) RAM adjustment includes the adjustments to the Commission-approved 2010 test year rate case labor (bargaining unit only) and non-labor costs for escalation factors and bargaining unit wage increases with labor productivity offsets for 2013, plus applicable payroll taxes.¹⁷

(Refer to Attachment 2, Schedule C of this tariff transmittal.) Non-bargaining unit labor is not subject to escalation in the RAM. Further, the non-labor cost escalation rate does not apply to

¹⁵ *Decision and Order No. 30168*, Docket No. 2009-0164, page 97.

¹⁶ *Capital Projects Completed in 2012*, Exhibit 2, page 1 in Docket No. 03-0257, dated March 22, 2013,

¹⁷ In 2012, the Union and the Hawaiian Electric Companies held discussions that resulted in the execution of the Contract Negotiations 2012 IBEW 1260 – HECO, HELCO, MECO Tentative Settlement Agreement dated October 24, 2012 (the “Union Settlement Agreement”), subsequently ratified by the Union on November 1, 2012, and the Letters of Understanding between the Union and the Hawaiian Electric Companies, where certain eligible Union bargaining unit positions will receive a \$1 per hour wage increase in July 2013, and a \$0.50 per hour wage increase each year from July 2014 through July 2018. The wage increases in the Settlement Agreement and Letters of Understanding are in addition to the general wage rate increase provided for in the Union Settlement Agreement. HELCO has estimated that the 2013 O&M expense impact of this additional wage increase is approximately \$68,000, but the Company has not included this amount in its 2013 O&M RAM adjustment.

any fuel, purchased power, Integrated Resource Planning (“IRP”)/demand side management (“DSM”), pension, Other Post-Employment Benefits (“OPEB”), or Clean Energy/Renewable Energy Infrastructure or any costs that are subject to recovery through separate rate tracking mechanisms. The RBA Rate Adjustment calculations also reflect updated deferred CIS final project costs,¹⁸ which are lower than what was previously filed in the Stipulated Settlement.

IX

In Attachment 1 of this tariff transmittal, HELCO submits its proposed RBA tariff revision reflecting the RBA Rate Adjustment rate in Section E of Tariff Revised Sheet No. 91C. Attachment 1A provides the tariff sheet for the RBA tariff in blackline version.

Attachment 2 provides the calculation of the RBA Rate Adjustment in the following schedules, along with supporting workpapers:

Schedule A – Determination of 2013 RBA Rate Adjustment (Summary)

Schedule B – Summary of Revenue Balancing Account

Schedule B1 - Determination of Target Revenues

Schedule B2 -- Determination of Recorded Adjusted RBA Revenues

Schedule C – Determination of Operations and Maintenance (“O&M”) RAM Adjustment

Schedule C1 – Summary of Operations and Maintenance Labor and Non-Labor Expense

Schedule C2 – Non-Labor Exclusion Adjustment of O&M RAM

Schedule D – Determination of Rate Base RAM Adjustment – Return on Investment

Schedule D1 – Determination of Rate Base RAM Adjustment – Change in Rate Base

¹⁸ *In the Matter of the Application of Hawaiian Electric Company, Inc., Hawaii Electric Light Company, Inc. and Maui Electric Company, Limited, for Approval to Defer Certain Computer Software Development Costs for Item P0000571, Customer Information System, to Accumulate an Allowance for Funds Used During Construction During the Deferral Period, to Amortized the Deferred Costs, and to Include the Unamortized Deferred Cost in Rate Base.* In accordance with Decision and Order No. 21798, issued May 3, 2005, Order No. 30470, *Modifying the Cost Reporting Requirement of Decision and Order No. 21798*, issued June 26, 2012, and Order No. 30680 *Approving the HECO Companies’ Request for Extensions of Time*, issued October 9, 2012, the Hawaiian Electric Companies submitted an interim cost reports on December 28, 2012, and will be filing a final cost report on April 1, 2013.

- Schedule D2 – Determination of Baseline Capital Projects Additions
- Schedule D3 – Determination of Major Capital Project Additions
- Schedule D4 – Determination of Adjusted Recorded Deferred Income Taxes
- Schedule E – Determination of Depreciation and Amortization RAM Adjustment
- Schedule F – Determination of Change in Deferred Income Taxes
- Schedule F1 – Determination of Tax Depreciation
- Schedule F2 – Tax Depreciation on Major Capital Projects Additions
- Schedule G – CIAC (Contribution In Aid of Construction) Summary
- Schedule G1 – Baseline Capital Projects CIAC Additions
- Schedule G2 – Major Capital Project CIAC Additions
- Schedule G3 – CIAC Amortization
- Schedule H – Earnings Sharing Calculations¹⁹
- Schedule I – PUC-Ordered Adjustments

The Company and the Consumer Advocate jointly developed the format of the schedules in Attachment 2, which are similar to those filed in the 2012 annual RBA Rate Adjustment submissions in Transmittal No. 12-02 for Hawaiian Electric filed March 30, 2012 (approved as revised in *Order No. 30418 Approving HECO's Tariff Transmittal Filed on March 30, 2012, as Revised on May 23, 2012*, dated May 31, 2012) and Transmittal No. 12-03 for HELCO filed April 11, 2012 (approved as revised in *Order No. 30435 Approving HELCO's Tariff Transmittal Filed on April 11, 2012, as Revised on April 18, 2012*, dated June 14, 2012), as well as MECO's 2012 informational filing in Docket No. 2009-0163 filed May 10, 2012.

¹⁹ The Company has provided its calculated Return on Equity ("ROE") for year 2012 in Schedule H of this tariff transmittal as required by the Commission in its Final Decoupling Order.

WHEREFORE, HELCO respectfully gives not less than 30 days' notice as required by law and requests that its proposed revisions to the RBA Provision be allowed to become effective on June 1, 2013.

DATED: Honolulu, Hawaii, March 28, 2013.

HAWAII ELECTRIC LIGHT COMPANY, INC.

By: *Tayne S. Y. Sekimura*
Tayne S. Y. Sekimura
Financial Vice President

ATTACHMENT 1

REVENUE BALANCING ACCOUNT ("RBA") PROVISION

E: REVENUE BALANCING ACCOUNT RATE ADJUSTMENT:

The RBA rate adjustment is comprised of the calculated values from Section D above, adjusted to include amounts for applicable revenue taxes. The RBA rate adjustment is calculated based on the Company's forecast of mWh sales over the RBA rate adjustment recovery period.

Effective June 1, 2013 to May 31, 2014

RBA Rate Adjustment

All Rate Schedules 0.4388 ¢/kWh

F: COMMISSION'S AUTHORITY

The Commission may suspend any or all parts of this Revenue Balancing Account Provision. Such suspension shall remain in place until removed by Commission Order.

G. NOTICE

Notice of the annual Revenue Balancing Account Rate Adjustment filing shall be provided to all affected customers of the Utility in accordance with the provisions of this section by publication in newspapers of general circulation within 14 days and by including notification with its billing statements within 60 days after the Company makes its annual filing pursuant to this tariff. The notice to customers shall include the following information:

- a) A description of the proposed revision of revenues, Earnings Sharing Credits, and Major or Baseline Capital Projects Credits;
- b) The effect on the rates applicable to each customer class and on the typical bill for residential customers; and
- c) The Company's address, telephone number and website where information concerning the proposed Revenue Balancing Account Rate Adjustment may be obtained.

HAWAII ELECTRIC LIGHT COMPANY, INC.

Transmittal Letter Dated March 28, 2013.

ATTACHMENT 1A

REVENUE BALANCING ACCOUNT ("RBA") PROVISION

E: REVENUE BALANCING ACCOUNT RATE ADJUSTMENT:

The RBA rate adjustment is comprised of the calculated values from Section D above, adjusted to include amounts for applicable revenue taxes. The RBA rate adjustment is calculated based on the Company's forecast of mWh sales over the RBA rate adjustment recovery period.

Effective ~~June 18, 2012~~ June 1, 2012 to May 31, ~~2013~~ 2014

RBA Rate Adjustment

All Rate Schedules ~~0.1952~~ 0.4388 ¢/kWh

F: COMMISSION'S AUTHORITY

The Commission may suspend any or all parts of this Revenue Balancing Account Provision. Such suspension shall remain in place until removed by Commission Order.

G. NOTICE

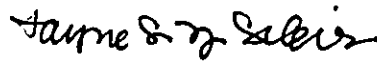
Notice of the annual Revenue Balancing Account Rate Adjustment filing shall be provided to all affected customers of the Utility in accordance with the provisions of this section by publication in newspapers of general circulation within 14 days and by including notification with its billing statements within 60 days after the Company makes its annual filing pursuant to this tariff. The notice to customers shall include the following information:

- a) A description of the proposed revision of revenues, Earnings Sharing Credits, and Major or Baseline Capital Projects Credits;
- b) The effect on the rates applicable to each customer class and on the typical bill for residential customers; and
- c) The Company's address, telephone number and website where information concerning the proposed Revenue Balancing Account Rate Adjustment may be obtained.

HAWAII ELECTRIC LIGHT COMPANY, INC.

ATTESTATION

Tayne S. Y. Sekimura, is the Financial Vice President of Hawaii Electric Light Company, Inc., and says that she certifies that the attached Schedules supporting the proposed changes in customer rates pursuant to the Revenue Balancing Account ("RBA") Provision have been prepared in compliance with the Rate Adjustment Mechanism Provision and the RBA Provision, and prior Commission rate orders and are true, correct and complete to the best of her knowledge and belief.



Tayne S. Y. Sekimura

Attachment 2 – List of Schedules and Workpapers

Schedule A	HELCO-WP-A-001
Schedule B	HELCO-WP-B-001
Schedule B1	HELCO-WP-B-002
Schedule B2	HELCO-WP-B-003
Schedule C	HELCO-WP-B-004
Schedule C1	HELCO-WP-B-005
Schedule C2	HELCO-WP-B-006
Schedule D	HELCO-WP-B-007
Schedule D1	HELCO-WP-B-008
Schedule D2	HELCO-WP-B-009
Schedule D3	HELCO-WP-B-010
Schedule D4	HELCO-WP-C-001
Schedule E	HELCO-WP-C-002
Schedule F	HELCO-WP-D1-001
Schedule F1	HELCO-WP-D4-001
Schedule F2	HELCO-WP-F-001
Schedule G	HELCO-WP-F1-001
Schedule G1	HELCO-WP-F1-002
Schedule G2	HELCO-WP-G3-001
Schedule G3	HELCO-WP-H-001
Schedule H	HELCO-WP-H-002
Schedule I	HELCO-WP-H-003
	HELCO-WP-H-004

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF 2013 REVENUE BALANCING ACCOUNT RATE ADJUSTMENT

<u>Line No.</u>	<u>Description</u> (a)	<u>Reference</u> (b)	<u>Amount</u> (c)	<u>Rate Amount</u> (d)
<u>RECONCILIATION OF RBA BALANCE :</u>				
1	RBA Prior calendar year-end balance	Schedule B	\$ 4,509,964	
2	Revenue Tax Factor	Schedule C	1.0975	
3	Revenue for RBA Balance			\$ 4,949,685
<u>RATE ADJUSTMENT MECHANISM "RAM" AMOUNT:</u>				
4	O&M RAM	Schedule C	\$ 2,267,540	
5	Rate Base RAM - Return on Investment	Schedule D	\$ (5,567,781)	
6	Depreciation & Amortization RAM Expense	Schedule E	\$ 3,281,932	
7	Total RAM Revenue Adjustment			\$ (18,309)
8	<u>EARNINGS SHARING REVENUE CREDITS - 2012 ROE :</u>	Schedule H		\$ -
9	<u>PUC-ORDERED MAJOR OR BASELINE CAPITAL PROJECTS CREDITS:</u>	Schedule I		
10	TOTAL RBA REVENUE ADJUSTMENT	Sum Col. (d)		\$ 4,931,376
11	GWH SALES VOLUME ESTIMATE JUNE 2013 - MAY 2014 (see HELCO-WP-A-001)			1,123,779
12	RBA RATE ADJUSTMENT - cents per kWh	Note (1)		<u>0.4388</u>
13	MONTHLY BILL IMPACT @ 500 KWH			<u>\$2.19</u>

Note (1): 2013 RBA Rate Adjustment Breakdown

	<u>Col. (d)</u>	<u>Rate Adjustment</u> <u>cents per kWh</u>	<u>Percentage</u> <u>Share</u>
RBA Balance	\$ 4,949,685	0.44045007	100.37%
RAM Amount	\$ (18,309)	(0.00162925)	-0.37%
Earnings Sharing Revenue Credits	\$ -	-	0.00%
Major or Baseline Capital Projects Credits	\$ -	-	0.00%
	<u>\$ 4,931,376</u>	<u>0.43882082</u>	<u>100.00%</u>

Hawaii Electric Light Company, Inc.
DECOUPLING CALCULATION WORKBOOK
SUMMARY OF ACCUMULATED REVENUE BALANCING ACCOUNT

Note: HELCO's implementation of decoupling began on April 9, 2012, pursuant to Decision and Order No. 30168, issued in Docket No. 2009-0164, on February 8, 2012, which approved the effective date of the final rates that reflected the approved ROE of 10.00 percent which reflects the Commission's approval of decoupling and other cost-recovery mechanisms.

Line No.	Month	Beginning Balance	Target Revenues	Recorded Adjusted Revenue	Variance to RBA	Interest at 6%/year	Adjustment	Ending Balance
	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)
Monthly RBA Balance and Activity (Monthly PUC Rpt., Pg. 9A)								
1	2012 March	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
2	April	\$ -	\$ 8,099,842	\$ 8,170,231	\$ (70,388)	\$ (176)	\$ -	\$ (70,564)
3	May	\$ (70,564)	\$ 11,556,082	\$ 11,274,762	\$ 281,320	\$ 350	\$ -	\$ 211,105
4	June	\$ 211,105	\$ 11,210,037	\$ 10,458,542	\$ 751,495	\$ 2,934	\$ -	\$ 965,534
5	July	\$ 965,534	\$ 11,758,125	\$ 11,223,289	\$ 534,826	\$ 6,165	\$ -	\$ 1,506,525
6	August	\$ 1,506,525	\$ 12,030,111	\$ 11,330,165	\$ 699,946	\$ 9,282	\$ -	\$ 2,215,755
7	September	\$ 2,215,755	\$ 11,417,861	\$ 10,601,875	\$ 815,986	\$ 13,119	\$ -	\$ 3,044,859
8	October	\$ 3,044,859	\$ 11,703,653	\$ 11,226,690	\$ 476,963	\$ 16,503	\$ 17,228	\$ 3,555,552
9	November	\$ 3,555,552	\$ 11,241,014	\$ 10,781,999	\$ 449,015	\$ 18,900	\$ -	\$ 4,023,468
10	December	\$ 4,023,468	\$ 11,567,157	\$ 11,156,448	\$ 410,709	\$ 21,116	\$ (5,710)	\$ 4,449,582
11	January 2013 Adjustment - Note (2)						\$ (23,626)	\$ 4,425,956
12	January 2013 Adjustment - Note (3)						\$ 59,994	\$ 4,485,950
13	February 2013 Adjustment - Note (4)						\$ 24,014	\$ 4,509,964
14	REVISED 2012 December							
15	Total						\$ 71,900	
16	2013 January		\$ 11,294,996					
17	February		\$ 10,301,483					
18	March		\$ 11,376,512					
19	April		\$ 10,886,859					
20	May		\$ 11,390,130					
21	June		\$ 11,278,588					
22	July		\$ 11,927,417					
23	August		\$ 12,203,515					
24	September		\$ 11,582,295					
25	October		\$ 11,872,198					
26	November		\$ 11,402,832					
27	December		\$ 11,734,149					

Sources of Data: Sch. B1, Note 5 Sch. B2 Col (c) - (d) Note 1 Cols (b)+(e)+(f)+(g)

Note (1): Adjustment Summary

Year	Month	Workpaper Reference	RBA Adjustment	RBA Interest Adjustment	Total Adjustment	Adjustment Description:	Notes
2012	October	HELCO-WP-B-001	\$ (27,422)	\$ (293)	\$ (27,715)	adjustment to correct billing error for periods June - Sept	(6)
2012	October	HELCO-WP-B-002	\$ 40,613	\$ 358	\$ 40,971	kwh correction related to billing error for periods June-Sept	(7)
2012	October	HELCO-WP-B-003	\$ 3,992	\$ 10	\$ 3,972	correction for revenue taxes on Sept 2012 billed adjustment	(8)
2012	December	HELCO-WP-B-004	\$ (2,359)	\$ (30)	\$ (2,389)	transmittal 12-03 filed December 21, 2012 target revenue reduction	(9)
2012	December	HELCO-WP-B-005	\$ 2,427	\$ 31	\$ 2,458	adjustment to correct Sept 2012 billed revenue calculation	(10)
2012	December	HELCO-WP-B-006	\$ (6,126)	\$ 94	\$ (6,032)	adjustment to correct billing error for periods April-Sept	(11)
2012	December	HELCO-WP-B-007		\$ 253	\$ 253	adjustment to correct RBA periods for credit and rebills interest only	(12)
2013	January	HELCO-WP-B-008	\$ (23,505)	\$ (121)	\$ (23,626)	adjustment to correct RBA for meter malfunction	(13)
2013	January	HELCO-WP-B-009	\$ 59,223	\$ 771	\$ 59,994	adjustment to correct demand charge for meters installed 6/12 - 12/12	(14)
2013	February	HELCO-WP-B-010	\$ 23,787	\$ 247	\$ 24,014	adjustment to correct demand charge for meters installed 6/12 - 12/12	(15)
Total			\$ 70,580	\$ 1,320	\$ 71,900		

Note (2)

In January 2013, the Company recorded an adjustment to the RBA related to a meter malfunction. The company recalculated the RBA including both the revenue impact and the kwh impact as of December 31, 2012, including interest based on the reflecting the billing adjustments in the proper month incurred.

Note (3)

In January 2013, the Company recorded an adjustment to the RBA related to demand meters installed between 6/12 and 12/12, incorrectly calculating the demand charge in SAP. The Company recalculated the RBA as of December 31, 2012, including interest based on reflecting the corrected demand meter charges in the proper month incurred.

Note (4)

In February 2013, the Company recorded an adjustment to the RBA related to demand meters installed between 6/12 and 12/12, incorrectly calculating the demand charge in SAP. The Company recalculated the RBA as of December 31, 2012, including interest based on reflecting the corrected demand meter charges in the proper month incurred. \$23,767 of the total \$30,763 adjustment for RBA principal applies to 2012.

Note (5)

In December 2012, the Company revised its monthly target revenues by decreasing its annualized 2012 Revenue Adjustment Mechanism (RAM), effective June 18, 2012, due to a correction to the O&M labor cost escalation rate used in the O&M RAM calculation of the Company's 2012 decoupling filing. See Transmittal 12-03, Subject: HELCO Modification of Target Revenues, Attachment 1, page 1, filed December 21, 2012. Schedule B reflects the monthly target revenues in place prior to the revision, while Schedule B1 reflects the revised monthly target revenues. Refer to HELCO-WP-B-004 for the original and revised monthly target revenues, and the calculation of the difference of (2,359) for June - November 2012, which was booked as an adjustment to the RBA balance, along with interest, in December 2012.

- Note (6) For a more detailed description see HELCO-WP-B-001, Note (2).
- Note (7) For a more detailed description see HELCO-WP-B-002, Note (2).
- Note (8) For a more detailed description see HELCO-WP-B-003, Note (2).
- Note (9) For a more detailed description see HELCO-WP-B-004, Note (2).
- Note (10) For a more detailed description see HELCO-WP-B-005, Note (2).
- Note (11) For a more detailed description see HELCO-WP-B-006, Note (2).
- Note (12) For a more detailed description see HELCO-WP-B-007, Note (2).
- Note (13) For a more detailed description see HELCO-WP-B-008, Note (2).
- Note (14) For a more detailed description see HELCO-WP-B-009, Note (2).
- Note (15) For a more detailed description see HELCO-WP-B-010, Note (2).

**HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF TARGET REVENUES**

Line No.	Description (a)	Reference (b)		Docket No. 2009-0164 Amounts (c)	Docket No. 2009-0164 Amounts (d)	Docket No. 2009-0164 Amounts (d)	Docket No. 2009-0164 Amounts (e)
1	Last Rate Case Annual Electric Revenue at Approved Rate Levels	Note (1)	\$000s	\$ 355,605	\$ 355,605	\$ 355,605	\$ 355,605
2	Less: Fuel Expense	Note (1)	\$000s	\$ (80,078)	\$ (80,078)	\$ (80,078)	\$ (80,078)
3	Purchased Power Expense	Note (1)	\$000s	\$ (105,866)	\$ (105,866)	\$ (105,866)	\$ (105,866)
4	Revenue Taxes on Line 1 (8.885% statutory rates)		\$000s	\$ (31,596)	\$ (31,596)	\$ (31,596)	\$ (31,596)
5	Last Rate Order Target Annual Revenues	Sum Lines 1...4	\$000s	\$ 138,065	\$ 138,065	\$ 138,065	\$ 138,065
6	Add: Authorized RAM Revenues - Transmittal No. 12-03	Note (2)	\$000s	\$ (2,074)	\$ (2,074)	\$ -	\$ -
7	Less: Revenue Taxes on Line 6 at 8.885%		\$000s	\$ 184	\$ 184	\$ -	\$ -
8	Net RAM Adjustment - Test Year +1	Lines 6+7	\$000s	\$ (1,890)	\$ (1,890)	\$ -	\$ -
9	Authorized RAM Revenues - Transmittal No. 13-02	Sch A, Line 7				\$ (18)	\$ (18)
10	Less: Revenue Taxes on Line 9 at 8.885%					\$ 2	\$ 2
11	Net RAM Adjustment - Test Year +2	Lines 9+10				\$ (17)	\$ (17)
12	Less: EARNINGS SHARING REVENUE CREDITS - 2012 ROE	Schedule H				\$ -	\$ -
13	PUC-ORDERED MAJOR OR BASELINE CAPITAL CREDITS	Schedule I				\$ -	\$ -
14	Total Annual Target Revenues						
15	HELCO TY 2010 Final Annualized Revenues	Line 5	\$000s	\$ 138,065	\$ 138,065	\$ 138,065	\$ 138,065
16	HELCO TY 2010 + 2012 RAM Annualized Revenues	Lines 5 + 8	\$000s	\$ 136,175	\$ 136,175	\$ -	\$ -
17	HELCO TY 2010 + 2013 RAM Annualized Revenues	Lines 5 + 11	\$000s			\$ 138,049	\$ 138,049
18	Distribution of Target Revenues by Month:	Note (3)	Note (4)	2012	2013	2013	2014
19	January	8.30%	8.70%		\$ 11,294,996		\$ 11,458,052
20	February	7.57%	7.94%		\$ 10,301,483		\$ 10,450,295
21	March	8.36%	8.77%		\$ 11,376,512		\$ 11,540,881
22	April (from April 9, 2012, eff date of HELCO TY 2010 final)	8.00%	8.39%	\$ 8,099,842	\$ 10,886,659		\$ 11,043,905
23	May	8.37%	8.78%	\$ 11,556,082	\$ 11,390,130		\$ 11,554,686
24	June- effective date of RAM Change is June 18, 2012	8.17%	3.71%	\$ 11,206,828		\$ 11,278,568	\$0
25	July	8.64%	9.06%	\$ 11,757,614		\$ 11,927,417	\$0
26	August	8.84%	9.26%	\$ 12,029,965		\$ 12,203,515	\$0
27	September	8.39%	8.80%	\$ 11,417,365		\$ 11,582,295	\$0
28	October	8.60%	9.02%	\$ 11,703,144		\$ 11,872,198	\$0
29	November	8.26%	8.66%	\$ 11,240,526		\$ 11,402,832	\$0
30	December	8.50%	8.91%	\$ 11,567,157		\$ 11,734,149	\$0
31	Total Distributed Target Revenues	100.00%	100.00%	\$ 100,581,523	\$ 55,249,780	\$ 82,000,994	\$ 56,047,819

Footnotes:

- 1 See Letter to Commission, Subject: HELCO Revised Schedules Resulting from Decision and Order No. 30168, Exhibit 1A, page 1, filed February 21, 2012, in Docket No. 2009-0164.
- 2 See Letter to Commission, Subject: HELCO Modification of Target Revenues, Attachment 1, page 1, filed December 21, 2012, Transmittal 12-03.
- 3 Source: HELCO Revenue Balancing Account ("RBA") Provision Tariff, Sheet 91A
- 4 Allocation of RAM Revenue to Target, June 18, 2012 to May 31, 2013.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF O&M RAM ADJUSTMENT
(\$ in Thousands)

Line No.	Description (a)	Reference (b)	Docket No. 2009-0164 Approved (c)	Note 4 Previously Approved RAM (d)	O&M Subject to Escalation Col (c) + (d) (e)	Net Inflation Indices Note (2) (f)	2013 O&M RAM Adjustment Col (e) * (f) (g)
1	Base BU Labor Expenses	Schedule C1	\$ 12,930		\$ 12,930	4.88%	\$ 632
2	Base Non-Labor Expense	Schedule C2	\$ 28,371		\$ 28,371	4.88%	\$ 1,384
3	Payroll Taxes	Note (1)	\$ 1,043		\$ 1,043	4.88%	\$ 51
4	Subtotal Expense Increase - RAM Adjustment before revenue taxes						\$ 2,066
5	Revenue Tax Factor (Note 3)						1.0975
6	O&M RAM (SubTotal Expenses x Rev Tax Factor)						\$ 2,268

Footnotes:

1: See Letter to Commission, Subject: HELCO Revised schedules Resulting from Decision and Order No. 30168, dated February 21, 2012, in Docket No. 2009-0164, Exhibit 1A, p. 11

Less: Portion of payroll taxes related to non-BU labor^A (31.55% * 1,523)

Payroll Taxes related to Bargaining Unit labor

^A See Schedule C1 for calculation of percentage related to non-BU labor.

2: Escalation Rates

	2011	2012	2013	
Labor:				
Bargaining Unit Wage Increase	1.75%	2.46%	2.88%	HELCO-WP-C-001 Changes to Collective Bargaining Agreement, 2011 to 2013 Approved in Final D&O in Docket No. 2008-0274, page 51, filed on August 31, 2010
Less: Labor Productivity Offset	0.76%	0.76%	0.76%	
Labor Cost Escalation Rate	<u>0.99%</u>	<u>1.70%</u>	<u>2.12%</u>	

Calculation of 2011-2013 Compounded Labor Cost Escalation

2011 Labor Cost Escalation	1.0099	A (2011 labor escalation plus 1)
2012 Labor Cost Escalation	<u>1.0170</u>	B (2012 labor escalation plus 1)
2011-2012 Compounded Labor Cost Escalation	1.0271	C = A * B
2011-2012 Compounded Labor Cost %	0.0271	D = C - 1
2013 Labor Cost Escalation	<u>1.0212</u>	E (2013 labor escalation plus 1)
2011-2013 Compounded Labor Cost Escalation	1.0488	F = C * E
2013 Compounded Labor Cost %	0.0488	G = F - 1

Non-Labor:	2011	2012	2013	
GDP Price Index	1.40%	1.70%	1.70%	See HELCO-WP-C-002, page 2

Calculation of 2011-2012 Compounded Non-Labor Cost Escalation

2011 Non-Labor Cost Escalation	1.0140	A (2011 non-labor escalation plus 1)
2012 Non-Labor Cost Escalation	<u>1.0170</u>	B (2012 non-labor escalation plus 1)
2011-2012 Compounded Non-Labor Cost Escalation	1.0312	C = A * B
2011-2012 Compounded Non-Labor Cost %	0.0312	D = C - 1
2013 Non-Labor Cost Escalation	<u>1.0170</u>	E (2013 non-labor escalation plus 1)
2011-2013 Compounded Non-Labor Cost Escalation	1.0488	F = C * E
2013 Compounded Non-Labor Cost %	0.0488	G = F - 1

3: Computation of Revenue Tax Factor

Public Service Tax Rate	0.05885
PUC Fees Rate	0.00500
Franchise Tax Rate	<u>0.02500</u>
Total Revenue Tax Rate	0.08885

Revenue Tax Factor
= 1 / (1 - Total Revenue Tax Rate) 1.0975

4: Column D "Previously Approved RAM" is not used as the labor and non-labor escalation is accomplished through the use of a compounded escalation rate in column f, as shown in note 2.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKSHEET
RATE ADJUSTMENT MECHANISM
SUMMARY OF
OPERATIONS AND MAINTENANCE LABOR AND NON-LABOR EXPENSE
BY BLOCK OF ACCOUNTS

Final D&O - Docket No. 2009-0164
(\$ in Thousands)

Line No.	DESCRIPTION	(a)	(b)	(c)=(a)+(b)	(d)	(e)
		BU LABOR (Note 1)	Non-BU LABOR (Note 1)	Total LABOR	NON-LABOR (Note 1)	TOTAL (Note 1)
1	Production	6,456	1,764	8,220	11,475	19,695
2	Transmission	841	89	930	1,468	2,398
3	Distribution	2,895	143	3,038	4,948	7,986
4	Customer Accounts	2,017	328	2,346	1,386	3,732
5	Allowance for Uncoll Accounts	-	-	0	749	749
6	Customer Service	-	758	758	649	1,407
7	Administrative & General	721	2,877	3,598	12,378	15,976
8	Austerity Adjustment	-	-	0	-365	-365
9	Operation and Maintenance	12,930	5,959	18,890	32,689	51,579

Percentage of Total O&M Labor 68.45% 31.55% 100%

* amounts may not add due to rounding

(1) See HELCO Letter dated March 9, 2012, Subject: HELCO O&M Expenses Breakdown for RAM Calculation, filed in Docket No. 2009-0164, Attachment 2, p. 1. (Note: letter inadvertently shown as Docket No. 2010-0164)

HAWAII ELECTRIC LIGHT COMPANY, INC.
Non-Labor Exclusion
Adjustment for O&M RAM
(\$ in Thousands)

Line No.	Description (a)	Amount (b)	Reference (c)
1	Pension Expense	\$ 5,429	See Stipulated Settlement Letter filed Sep. 16, 2010, HELCO T-11 Attachment 5, page 1 Final Settlement Docket No. 2009-0164.
2			
3			
4			
5	Other Post-Employment Benefits (OPEB) Expense	\$ 337	
6			Id., HELCO T-11, Attachment 5, page 1, Final Settlement.
7			
8	Total before amounts transferred	\$ 5,766	
9			
10	O&M %	74.88%	Id., HELCO T-11, Attachment 1, page 1, Final Settlement
11	(1- transfer rate of 25.12%)		
12			
13			
14	Adjustment to Non-Labor O&M Expense		
15	for O&M RAM base	\$ 4,317	
16			
17			
18	Non-Labor O&M Expense per Final D&O	\$ 32,689	Schedule C1
19			
20			
21	Non-Labor O&M Expense Base for		
22	O&M RAM base	<u>\$ 28,371</u>	

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF RATE BASE RAM ADJUSTMENT - RETURN ON INVESTMENT
(\$ in Thousands)

Line No.	Description (a)	AMOUNTS IN THOUSANDS (b)	PERCENT OF TOTAL (c)	COST RATE (d)	POST TAX WEIGHTED EARNINGS REQMTS (e)	INCOME TAX FACTOR Note (2) (f)	PRETAX WEIGHTED EARNINGS REQMTS (g)
1	<u>PUC APPROVED CAPITAL STRUCTURE & COSTS (Note 1):</u>						
2	Short-Term Debt	\$ 7,040	1.41%	3.25%	0.05%	1.000000	0.05%
3	Long-Term Debt	196,838	39.48%	6.15%	2.43%	1.000000	2.43%
4	Hybrid Securities	9,297	1.86%	7.38%	0.14%	1.000000	0.14%
5	Preferred Stock	6,623	1.33%	8.29%	0.11%	1.636929	0.18%
6	Common Equity	278,722	55.91%	10.00%	5.59%	1.636929	9.15%
7	Total Capitalization	<u>\$ 498,520</u>	<u>100.00%</u>		<u>8.31%</u>		<u>11.94%</u>
8	RAM CHANGE IN RATE BASE \$000 (From Schedule D1)						\$ (42,488)
9	PRETAX RATE OF RETURN (Line 7, Col g)						11.94%
10	PRETAX RETURN REQUIREMENT						\$ (5,073.1)
11	REVENUE TAX FACTOR (1/(1-8.885%))						1.0975
12	RATE BASE RAM - RETURN ON INVESTMENT \$000						<u>\$ (5,567.8)</u>

Footnotes:

1 See Letter to Commission, Subject: HELCO Revised schedules Resulting from Decision and Order No. 30168, dated February 21, 2012, in Docket No. 2009-0164, Exhibit 1A, p.2.

2 Composite Federal & State Income Tax Rate 38.91%
Income Tax Factor (1 / 1-tax rate) 1.636929121

See Letter to Commission, Subject: HELCO Revised schedules Resulting from Decision and Order No. 30168, dated February 21, 2012, in Docket No. 2009-0164, Exhibit 1A, p.12.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF RATE BASE RAM ADJUSTMENT - CHANGE IN RATE BASE
(\$ in Thousands)

Line No.	Description (a)	HELCO 2010 Test Year Rate Base		HELCO 2013 RAM Rate Base		
		Beg Balance 12/31/2009 (b)	Budgeted Balance 12/31/2010 (c)	Adjusted Recorded at 12/31/2012 (d) Note A	RAM Projected Amounts (e) See Detail Below	Estimated at 12/31/2013 (f)
1	Net Cost of Plant in Service	\$ 567,375	\$ 597,486	\$ 589,165	\$ 333	\$ 589,498
2	Property Held for Future Use	-	-			
3	Fuel Inventory	8,848	8,848			
4	Materials & Supplies Inventories	3,944	3,944			
5	Unamort Net SFAS 109 Reg Asset	11,803	11,633			
6	Unamort Sys Dev Costs	1,184	1,455			
7	Pension Asset	4,888	2,668			
8	ARO Reg Asset	205	209			
9	CIS Deferred Costs - Note B					
10				2,562	(125)	2,437
11						
12						
13	Pension Reg Asset	4,156	4,916			
14	Total Additions	\$ 602,403	\$ 631,159	\$ 626,078	\$ 208	\$ 626,285
15	Unamortized CIAC	\$ (69,566)	\$ (73,019)	\$ (84,799)	\$ (4,016)	\$ (88,815)
16	Customer Advances	(27,912)	(29,995)			
17	Customer Deposits	(2,703)	(2,751)			
18	Accumulated Def Income Taxes	(31,776)	(46,003)	(72,614)	(5,300)	(77,914)
19	Unamortized State ITC (Gross)	(12,301)	(13,314)			
20	Unamortized Gain on Sale	-	-			
21	Pension Reg Liability	-	-			
22	OPEB Reg Liability	(100)	(319)			
23	Total Deductions	\$ (144,358)	\$ (165,401)	\$ (202,111)	\$ (9,316)	\$ (211,427)
24	Working Cash	3,238	3,238	3,238	Not Updated	3,238
25	Rate Base at Proposed Rates	\$ 461,283	\$ 468,996	\$ 427,205		\$ 418,096
26	Average Rate Base		\$ 465,139			\$ 422,650
27	Change in Rate Base					\$ (42,488)
28	<u>Column (e) Projected Changes to Rate Base:</u>			Reference	Amount \$000	
29	Plant - Baseline Capital Project Additions			Schedule D2	38,194	
30	Major CIP Project Additions			Schedule D3	-	
31	Accumulated Depreciation/Amortization Change			Schedule E	(37,861)	
32	Net Plant			Sum Lines 29-31	333	
33	Accum. Deferred Income Taxes - Baseline and Major Capital Projects			Schedule F	(5,300)	
34	Projected CIAC Additions - Baseline			Schedule G	(6,783)	
35	Projected CIAC Additions - Major CIP			Schedule D3	-	
36	Less: Amortization of CIAC			Schedule G	2,766	
37	Total Change in CIAC in Rate Base			Sum: Lines 34-36	(4,016)	

Note A: For column (d), row 1, \$589,165 Net Cost of Plant in Service, see PUC Monthly Financial Report as of 12/31/12, page 8 Utility Plant, \$655,822,981 less Regulatory Liability - Cost of Removal (Net Salvage), \$66,658,047, page 10.

Note B: Column (d) line 9 per HELCO-WP-D1-001, page 2. Column (e) line 9 per Schedule E, line 102.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF BASELINE CAPITAL PROJECTS ADDITIONS

(\$ in Thousands)

Source: Docket No. 03-0257 General Order No. 7 Plant Additions Annual Reports filed with the PUC dated:

Line No.	Description (a)	Ckt No.	Item No.	5/28/2009	5/28/2010	3/31/2011	3/30/2012	3/22/2013
				2008 (b)	2009 (c)	2010 (d)	2011 (e)	2012 (f)
1	Total Plant Additions (Notes B, D, F)			\$ 46,099,240	\$ 125,356,210	\$ 40,741,409	\$ 39,242,658	\$ 45,983,990
2								
3	Less Major Projects: (+\$2.5 Million)							
4								
5	2004 In-service:							
6	Keahole CT-4 and CT-5	7048, 7623	H3126000					
7	Keahole CT-4 and CT-5	7048, 7623	H3184000					
8								
9	2005-2007 In-service:							
10	None							
11	2008 In-service:							
12	Hokuli'a Resort - Phase 1	01-0262	H0000342					
13	Hokuli'a Resort - Phase 1	01-0262	H0001673	(3,770,873)	(60,888)	Note A		
14	Keamuku-Waimea Reconductor 7200 Line	2108-0060	H0001004	(3,127,897)	(24,228)	Note A		
15								
16	2009 In-service:							
17	Keahole ST-7 Project - Note C	7623	H0001383		(89,932,201)	(1,051,918)	(165,807)	
18	Keahole ST-7 Sw Str Addition - Note C	7623	H0000596		(438,824)			
19								
20	2010 In-Service:							
21	Puna Turbine Upgrade - Note E	2009-0104	H0001750			(7,498,385)	(382,076)	
22								
23	2011 In-Service							
24	None							
25								
26	2012 In-Service							
27	None							
28								
29								
30								
31								
32								
33								
34								
35								
36								
42								
43								
44								
45								
46	Total Net Plant Additions (excluding major projects)			\$ 39,200,470	\$ 34,900,069	\$ 32,191,106	\$ 38,694,775	\$ 45,983,990
47								
48	Last Five-Year Average							\$ 38,194,082

NOTE (A):

Highlighted amounts above were included in the "Cost of Less Than \$1 Million" plant addition section of the respective year's GO7 plant addition annual report. Included amounts for the purposes of this baseline five-year average calculation.

NOTE (B):

2008 Plant addition included \$47,313,750 from the 2008 GO7 annual report filed 05/28/2009 less (\$1,214,510) of joint pole sales that were not included in the 2008 GO7 annual report.

2009 Plant addition included \$126,986,515 from the 2009 GO7 annual report filed 05/28/2010 less (\$1,630,305) of joint pole sales that were not included in the 2009 GO7 annual report.

NOTE (C):

Docket No. 7623, ST-7 Final Cost Report filed August 18, 2011 included removal costs \$14,538.73.

NOTE (D):

The 2010 GO7 Report filed March 31, 2011, was \$40,733,978 and did not include the year-end adjustment for Lalamilo Vehicle for \$7,430 plus rounding of 1.

NOTE (E):

Docket No. 2009-0104, Puna Turbine Upgrade Final Cost Report filed February 16, 2011, \$7,873,939 plus straggling costs of \$6,522.

NOTE (F):

HELCO's GO 7 plant additions annual reports are shown as Attachment 2 in 2008 and 2009, and as Exhibit 2 in 2010, 2011 and 2012 reports.

**HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF MAJOR CAPITAL PROJECT ADDITIONS**

Line No.	Description	PUC Docket Reference	Estimated In Service Date	Amount
	(a)	(b)	(c)	(d)
1	There are no major projects scheduled for completion by 9/2013.			\$ -
Total Major Capital Projects Qualifying for 2013 RAM				\$ -
See Schedule G2 for related CIAC (if applicable)				

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF ADJUSTED RECORDED DEFERRED INCOME TAXES

Line No.	NARUC Account (a)	Reference (b)	DR/(CR)	DR/(CR)	DR/(CR)
			Federal ADIT (c)	State ADIT (d)	Total ADIT (e)
1	Recorded Deferred Income Tax Balances December 31, 2012 Recorded Balances				
2	Depreciation Related Account 282	HELCO-WP-D4-001	(46,697,471)	(2,912,420)	(49,609,891)
3	Other Deferred Income Taxes	HELCO-WP-D4-001	(18,365,098)	(4,629,869)	(22,994,967)
4	Total Recorded Deferred Income Taxes - Utility		(65,062,569)	(7,542,289)	(72,604,858)
5	Less: Adjustments to Recorded Balances:				
6	ADIT Relating to CIS - adjustments for carrying costs	Footnote 1	(8,101)	(1,481)	(9,583)
7	Total Adjustments to Recorded ADIT Balances		(8,101)	(1,481)	(9,583)
8	Adjusted Recorded Deferred Income Taxes - 12/31/12		(65,070,670)	(7,543,770)	<u>\$ (72,614,441)</u>

To Schedule D1

Footnotes:

1	ADIT Computation:	AFUDC Debt	32.8947%	6.0150%	Total
			Federal	State	
	ADIT on CIS carrying charge (Jan - May 2013)(A)	24,628	(8,101)	(1,481)	(9,583)
2	Adjustments from recorded to regulatory bases:	AFUDC Equity (B)	AFUDC Debt	Total	
	CIS carrying charge (Jan - May 2013)(A)	60,052	24,628	84,680	

- (A) Source: HELCO-WP-D1-001, Page 1 of 2. Amount represents cumulative AFUDC debt for 1/1/13 - 5/31/13; NOT full debt differential since 2013 full debt was not recorded as of 12/31/12.
- (B) Adjustments to AFUDC Equity did not impact ADIT. The settlement did not provide for the tax gross up of AFUDC Equity. The tax gross up would have increased the Regulatory Asset with an offsetting increase in ADIT. This gross up adjustment, although generally recorded for financial purposes, has no impact on rate base.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF DEPRECIATION & AMORTIZATION RAMP ADJUSTMENT

Line No.	NARUC Account (a)	Recorded Depreciable/Amort. Balance (Footnote 3) (b)	Adjustments (c)	Adjusted Depreciable/Amort. Balance (d)	PUC Approved Accrual Rate in Dkt No. 2009- 0321 (e)	Annual Accrual (f)
1	Plant Accounts					
2	311	\$ 18,163,323		\$ 18,163,323	0.02900	\$ 526,736
3	312	73,613,030		73,613,030	0.03080	2,267,281
4	314	50,996,088		50,996,088	0.02540	1,295,301
5	315	9,533,880		9,533,880	0.03350	319,385
6	316	-		-	-	-
7	Tot - Steam	152,306,320	-	152,306,320	0.02895	4,408,703
8						
9	331	70,025		70,025	0.00940	658
10	332	5,174,722		5,174,722	0.02030	105,047
11	333	2,536,114		2,536,114	0.02130	54,019
12	334	715,121		715,121	0.00620	4,434
13	336	8,339		8,339	0.00000	-
14	Tot - Hydro	8,504,322	-	8,504,322	0.01930	164,158
15						
16	341	21,601,711		21,601,711	0.02640	570,285
17	342	12,351,907		12,351,907	0.01990	245,803
18	343	60,195,835		60,195,835	0.02220	1,336,348
19	344	56,542,169		56,542,169	0.01910	1,079,955
20	345	7,585,137		7,585,137	0.01710	129,706
21	Tot - Other Prod	158,276,758	-	158,276,758	0.02124	3,362,097
22						
23	Tot - Prod	319,087,400	-	319,087,400		7,934,958
24						
25	3501	3,231,777		3,231,777	0.01460	47,184
26	352	3,065,299		3,065,299	0.00890	27,281
27	353	56,132,698		56,132,698	0.01980	1,111,427
28	354	75,903		75,903	0.02120	1,609
29	355	53,629,842		53,629,842	0.01750	938,522
30	356	35,461,575		35,461,575	0.04430	1,570,948
31	357	305,339		305,339	0.00000	-
32	358	478,203		478,203	0.00180	861
33	359	128,935		128,935	0.01350	1,741
34	Tot - Transm	152,509,571	-	152,509,571	0.02426	3,699,573
35						
36	3601	729,097		729,097	0.01990	14,509
37	361	3,189,739		3,189,739	0.01600	51,036
38	362	54,886,299		54,886,299	0.01820	998,931
39	364	111,631,447		111,631,447	0.03780	4,219,669
40	365	94,809,075		94,809,075	0.03400	3,223,509
41	366	25,214,885		25,214,885	0.02870	723,667
42	367	94,762,607		94,762,607	0.04080	3,866,314
43	368	82,223,188		82,223,188	0.06870	5,648,733
44	369.1	39,263,314		39,263,314	0.03470	1,362,437
45	369.2	26,563,708		26,563,708	0.02850	757,066
46	370	14,987,842		14,987,842	0.04840	725,412
47	Tot - Distr	548,261,200	-	548,261,200	0.03938	21,591,282
48						
49	Tot - T & D	700,770,771	-	700,770,771		25,290,855
50						
51	390	12,987,405		12,987,405	0.01290	167,538
52	Tot - General	12,987,405	-	12,987,405	0.01290	167,538
53						
54	Sub-Total	1,032,845,575	-	1,032,845,575		33,393,350
55						
56	3921	6,462,269		6,462,269	0.15120	977,095
57	3922	11,002,364		11,002,364	0.02720	299,264
58	Tot - Vehicles	17,464,633	-	17,464,633	0.07308	1,276,359
59						
60						
61	Utility Total Depreciation	\$ 1,050,310,208	\$ -	\$ 1,050,310,208	0.03301	\$ 34,669,710

62						
63						
64	Amortization Amounts					
65						
66	316	\$ 2,361,806		\$ 2,361,806	0.05000	118,090
67	Tot - Steam	2,361,806	-	2,361,806	0.05000	118,090
68						
69	335	\$ 88,450		88,450	0.05000	4,422
70	Tot - Hydro	88,450	-	88,450	0.05000	4,422
71						
72	346	2,911,215		2,911,215	0.05000	145,561
73	Tot - Other Prod	2,911,215	-	2,911,215	0.05000	145,561
74						
75	Tot - Prod	5,361,471	-	5,361,471	0.05000	268,074
76						
77	3911	2,500,821		2,500,821	0.20000	500,164
78	3912	379,178		379,178	0.10000	37,918
79	3913	540,310		540,310	0.06670	36,039
80	393	512,727		512,727	0.04000	20,509
81	394	7,010,862		7,010,862	0.04000	280,434
82	395	357,472		357,472	0.06670	23,843
83	396	23,124		23,124	0.05560	1,286
84	397	16,088,159		16,088,159	0.06670	1,073,080
85	398	2,937,886		2,937,886	0.06670	195,957
86	Tot - General	30,350,538	-	30,350,538	0.07147	2,169,231
87						
88						
89						
90						
91						
92	Net Unrecovered Amortization (Footnote 1)					754,348
93						
94	Utility Total Amortization	\$ 35,712,009	\$ -	\$ 35,712,009	0.08937	\$ 3,191,652
95						
96	TOTAL RAM DEPRECIATION / AMORTIZATION					\$ 37,861,362
97	LESS: Vehicle Depreciation (A/C 392 above)					\$ (1,276,359)
98	LESS: Depreciation & Amortization in Current Revenues				Footnote 2	\$ (33,208,900)
99						
100	RAM Adjustment for Depreciation & Amortization					\$ 3,376,103
101	RAM Adjustment for CIAC Amortization				Sch. G	\$ (510,290)
102	RAM Adjustment for CIS Deferred Cost Amortization (Footnote 4)					\$ 124,520
103	Total RAM Adjustment for Depreciation & Amortization					\$ 2,990,333
104	Times: Factor for Revenue Taxes					1.0975
105						
106	RAM DEPRECIATION & AMORTIZATION					\$ 3,281,932

Footnotes:

1		Net Unrecovered	Annual Recovery
	Account	Amortization (c)(i)	(c) / 5 years
	316	146,914	29,383
	335	24,160	4,832
	346	63,071	12,614
	3911	268,651	53,730
	3912	(17,354)	(3,471)
	3913	582,700	116,540
	393	(62,302)	(12,460)
	394	(176,472)	(35,294)
	395	149,469	29,894
	396	(7,654)	(1,531)
	397	2,277,517	455,503
	398	523,044	104,609
	Unrecovered Amortization	3,771,742	
	Annual Recovery (increases amortization expense annually for five years)		754,348
	(i) Source: Accounting Records		

2	<u>Depreciation & Amortization in Current Revenues (ii):</u>	Depr/Amort Expense
	Total Depreciation	\$ 34,376,700
	LESS: Vehicle Depreciation (A/C 392)	(1,167,800)
	Net Depreciation in Current Revenues	<u>\$ 33,208,900</u>
	(ii) HELCO Revised Schedules Resulting from Decision and Order No. 30168, HELCO T-13, Attachment 1, page 1, Response to Final D&O, filed 2/21/12, Docket No. 2009-0164.	
3	Utility Total Depreciable Plant Balance - Line 61	\$ 1,050,310,208
	Utility Total Amortizable Plant Balance - Line 94	<u>35,712,009</u>
	Total Utility Depreciation and Amortization Plant Balance	1,086,022,217
	Total Utility Plant in Service Balance (iii)	\$ 1,091,230,699
	less: Land Balance (iv)	(5,182,345)
	less: ARO Asset Balance (v)	<u>(26,137)</u>
	Total	1,086,022,217
	(iii) December 2012 Monthly Financial Report PUC, page 8	
	(iv) Accounting Records	
	(v) December 2012 Monthly Financial Report PUC, page 11	
4	See HELCO-WP-D1-001, page 2.	

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF CHANGE IN DEFERRED INCOME TAXES

<u>Line No.</u>	<u>NARUC Account</u> (a)	<u>Reference</u> (b)	<u>Projected ADIT</u> <u>Change</u> (c)
1	State Tax Depreciation	Schedule F1	1,276,834
2	Effective Federal Tax Rate	HELCO-WP-F-001	32.8947%
3	Federal Deferred Tax on State Tax Depreciation		<u>420,011</u>
4	Addback State Tax Depreciation		(1,276,834)
5	Federal Tax Depreciation	Schedule F1	<u>14,999,506</u>
6	Federal/State Difference		13,722,672
7	Tax Rate on Federal Only Adjustment	HELCO-WP-F-001	35%
8	Federal Deferred Tax Adjustment		<u>4,802,935</u>
9	Total Federal Deferred Taxes		<u><u>5,222,947</u></u>
	STATE DEFERRED TAXES		
10	State Tax Depreciation		1,276,834
11	Effective State Tax Rate	HELCO-WP-F-001	6.0150%
12	Total State Deferred Taxes		<u>76,802</u>
13	TOTAL FED AND STATE DEFERRED TAXES		<u><u>5,299,749</u></u>

NOTE: In accordance with the tariff, the change in ADIT in the RAM year is based on the temporary book/tax depreciation differences associated with the RAM year plant additions (major capital projects and baseline plant additions). It does not include any estimated ADIT related to the repairs deduction or CIAC on RAM year plant additions.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
DETERMINATION OF TAX DEPRECIATION

Line No.	LIFE (a)	PROJECTS (b)	PROGRAMS (c)	TOTAL (d)	PROJECTS (e)	PROGRAMS (f)	TOTAL (g)
1	20	1,352,664	-	1,352,664	3.54%	-	3.54%
2	7	1,452,199	-	1,452,199	3.80%	-	3.80%
3	20	24,138,023	-	24,138,023	63.20%	-	63.20%
4	-	65,876	-	65,876	0.17%	-	0.17%
5	15	1,140,157	-	1,140,157	2.99%	-	2.99%
6	20	1,506,444	-	1,506,444	3.94%	-	3.94%
7	39	589,347	-	589,347	1.54%	-	1.54%
8	15	5,742,192	-	5,742,192	15.03%	-	15.03%
9	-	2,207,179	-	2,207,179	5.78%	-	5.78%
10	-	38,194,081	-	38,194,081	100.00%	0.00%	100.00%

Projects and Program % Totals by Depreciable Life.

Life	Projects	Programs	Total
7 yr	3.80%	-	3.80%
15 yr	18.02%	-	18.02%
20 yr	70.68%	-	70.68%
39 yr	1.54%	-	1.54%
Land	0.17%	-	0.17%
Vehicles	5.78%	-	5.78%
Total	100.00%	-	100.00%

Line No.	Basis	Vintage 2013 - 50% Bonus Depreciation				Vintage 2013 - Regular Depreciation			
		FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR	FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR
1	1,160,304	57.145%	674,485	14.29%	168,665	-	-	-	-
2	5,593,769	52.500%	2,936,729	5.00%	279,688	-	-	-	-
3	21,942,467	51.875%	11,362,655	3.75%	822,843	-	-	-	-
4	n/a	n/a	n/a	n/a	n/a	-	-	-	-
5	n/a	n/a	n/a	n/a	n/a	-	-	-	-
6	n/a	n/a	n/a	n/a	n/a	-	-	-	-
7	92.51%	-	-	-	92.51%	-	-	-	-
Total	38,194,081	50.00%	20,000,000	100.00%	100.00%	-	-	-	-

Line No.	Basis	Vintage 2013 - 50% Bonus Depreciation				Vintage 2013 - Regular Depreciation			
		FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR	FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR
1	1,160,304	57.145%	674,485	14.29%	168,665	-	-	-	-
2	5,593,769	52.500%	2,936,729	5.00%	279,688	-	-	-	-
3	21,942,467	51.875%	11,362,655	3.75%	822,843	-	-	-	-
4	n/a	n/a	n/a	n/a	n/a	-	-	-	-
5	n/a	n/a	n/a	n/a	n/a	-	-	-	-
6	n/a	n/a	n/a	n/a	n/a	-	-	-	-
7	92.51%	-	-	-	92.51%	-	-	-	-
Total	38,194,081	50.00%	20,000,000	100.00%	100.00%	-	-	-	-

Line No.	Basis	Vintage 2013 - 50% Bonus Depreciation				Vintage 2013 - Regular Depreciation			
		FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR	FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR
1	1,160,304	57.145%	674,485	14.29%	168,665	-	-	-	-
2	5,593,769	52.500%	2,936,729	5.00%	279,688	-	-	-	-
3	21,942,467	51.875%	11,362,655	3.75%	822,843	-	-	-	-
4	n/a	n/a	n/a	n/a	n/a	-	-	-	-
5	n/a	n/a	n/a	n/a	n/a	-	-	-	-
6	n/a	n/a	n/a	n/a	n/a	-	-	-	-
7	92.51%	-	-	-	92.51%	-	-	-	-
Total	38,194,081	50.00%	20,000,000	100.00%	100.00%	-	-	-	-

Line No.	Basis	Vintage 2013 - 50% Bonus Depreciation				Vintage 2013 - Regular Depreciation			
		FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR	FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR
1	1,160,304	57.145%	674,485	14.29%	168,665	-	-	-	-
2	5,593,769	52.500%	2,936,729	5.00%	279,688	-	-	-	-
3	21,942,467	51.875%	11,362,655	3.75%	822,843	-	-	-	-
4	n/a	n/a	n/a	n/a	n/a	-	-	-	-
5	n/a	n/a	n/a	n/a	n/a	-	-	-	-
6	n/a	n/a	n/a	n/a	n/a	-	-	-	-
7	92.51%	-	-	-	92.51%	-	-	-	-
Total	38,194,081	50.00%	20,000,000	100.00%	100.00%	-	-	-	-

NOTE (1): The American Taxpayer Relief Act of 2012 allows 50% bonus depreciation for assets placed in service in 2013. 100% bonus depreciation is no longer available for property placed in service after 12/31/12. This schedule was modified from the template that was previously provided to the Commission to eliminate the section related to 100% bonus depreciation

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
TAX DEPRECIATION ON MAJOR CAPITAL PROJECTS ADDITIONS

Line No.	Description (a)	(b)	PUC Docket (c)	Estimated In Service Date (d)	Amount (e)	
1	There are no capital projects scheduled for completion by September 2013.				\$	-
2	Tax Classification of Major Capital Project Additions	<u>Tax Basis Distribution</u>	FED YR 1 TAX RATE	FED YR 1 TAX DEPR	STATE YR 1 TAX RATE	STATE YR 1 TAX DEPR
3	7 yr	-				
4	15 yr	-	57.145%	-	14.29%	-
5	20 yr	-	52.500%	-	5.00%	-
6	39 yr	n/a				
7	Land	n/a				
8	Vehicles	n/a				
9	Total	<u>\$ -</u>		<u>\$ -</u>		<u>\$ -</u>

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
CIAC SUMMARY
(\$ in Thousands)

Line No.	Description (a)	Reference (b)	Unamortized CIAC (c)	CIAC Amortization (d)
1	12/31/12 Beginning Balance (Sch. G1, line 3, col h)	Sch. G1, line 3, col h	\$ (84,799)	
2	Less: Adjustments for ...			
3	Less: Adjustments for ...			
4	Adjusted Balance at 12/31/12		<u>(84,799)</u>	
5				
6	<u>2013 CIAC Additions:</u>			
7	Baseline	Sch. G1	(6,783)	
8	Major Projects	Sch. G2	-	
9	Net Additions		<u>(6,783)</u>	
10				
11	<u>2013 CIAC Amortization:</u>			
12	Estimated Amortization (Sch. G3)	Sch. G3	2,766	\$ (2,766)
13	Less: Adjustments for ...			
14	Less: Adjustments for ...			
15	Net Amortization		<u>2,766</u>	<u>(2,766)</u>
16				
17	12/31/13 Ending Balance		<u>\$ (88,815)</u>	(2,766)
18				
19	LESS: CIAC Amortization in Current Revenues	NOTE 1		<u>(2,256)</u>
20				
21	RAM Adjustment for CIAC Amortization			<u>\$ (510)</u>

NOTE 1: See HELCO Revised Schedules Resulting from Decision and Order No. 30168, filed 2/21/2012, Exhibit 1A, page 34 of 37, Docket No. 2009-0164.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK

BASELINE CAPITAL PROJECTS CIAC ADDITIONS

Source of CIAC balance and amort.: December Monthly Reports filed (non-confidential basis) with the PUC dated:

Line No.	Description (a)	2/27/2009	3/1/2010	02/22/2011	02/21/2012	2/19/2013
		2008 (d)	2009 (e)	2010 (f)	2011 (g)	2012 (h)
1	CIAC Balance, January 1 (Dec Rpt. pg. 10) - Note B	\$ (63,002,079)	\$ (65,997,798)	\$ (69,565,658)	\$ (72,080,639)	\$ (76,641,653)
2	Less: CIAC Amortization (Dec Rpt. pg. 2)	3,428,290	3,625,265	3,843,752	2,397,013	2,506,398
3	Less: CIAC Balance, December 31 (Dec Rpt. pg. 10) -Note B	65,997,798	69,565,658	72,080,639	76,641,653	84,799,042
4						
5	Total CIAC Additions	\$ 6,424,009	\$ 7,193,125	\$ 6,358,733	\$ 6,958,027	\$ 10,663,787
6						
7	Less Major Projects:					
8						
9	2004 In-service:					
10	Keahole CT-4 and CT-5		7048, 7623	H3126000		
11	Keahole CT-4 and CT-5		7048, 7623	H3164000		
12						
13	2005-2007 In-service.					
14	None					
15	2008 In-service:					
16	Hokulīa Resort - Phase 1		01-0262	H0000342		
17	Hokulīa Resort - Phase 1 - Note C		01-0262	H0001673	(3,683,381)	
18	Keamuku-Waimea Reconnector 7200 Line		2008-0060	H0001004		
19						
20	2009 In-service:					
21	Keahole ST-7 Project		7623	H0001383		
22	Keahole ST-7 Sw Stn Addition		7623	H0000596		
23						
24	2010 In-service.					
25	Puna Turbine Upgrade		2009-0104	H0001750		
26						
27	2011 In-service:					
28	None					
29						
30	2012 In-service.					
31	None					
32						
33						
34						
35						
36						
37						
38						
39						
40						
41						
42						
43						
44						
45						
46						
47						
48						
49						
50						
51						
52						
53	Total Net CIAC Additions	\$ 2,740,628	\$ 7,193,125	\$ 6,358,733	\$ 6,958,027	\$ 10,663,787
54						
55	Last Five-Year Average					\$ 6,782,860

NOTE (A):

The CIAC amounts of the major projects are from the respective year's GO7 plant addition annual reports. Refer to the Baseline Plant Additions Calculation workpaper for the dates of the report filings. The total CIAC additions reflect actual contributions received in the year, and therefore may not include the total major project CIAC from the GO 7 report to the extent that the CIAC was received in advance, or in multiple payments over a span of more than one year.

NOTE (B):

CIAC is found in Dec Rpt. pg. 9; 2008, and pg. 10; 2009, 2010, 2011 and 2012.

NOTE (C):

The recorded in-kind CIAC of \$1,143,255.14 and cash CIAC of \$2,540,126.00 was received in 2008 for the Hokulīa Phase 1 (Phase 1a) Project. This project was approved by the Commission in Order No. 18949, issued in Docket No. 01-0262, on October 16, 2001.

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
MAJOR CAPITAL PROJECT CIAC ADDITIONS

Line No.	Description (a)	PUC Docket Reference (b)	Estimated In Service Date (c)	Amount (d)
1	<u>2013 Major Capital Project CIAC Additions by Project:</u>			
2	There are no major projects scheduled for completion by 9/2013.			\$ -
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13	Total Major Project CIAC Additions for 2013 RAM			\$ -

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
CIAC AMORTIZATION

NOTE A
see also HELCO-WP-G3-001
2013

Line No.	Description	2011	2012		2013
		Balance	Amortization	Balance	
	(a)	(b)	(c)	(d)	
1	<u>CIAC by Vintage:</u>				
2	1981	50,385.46	(4,566.00)	45,819.46	(4,566.00)
3	1982	63,111.11	(5,244.00)	57,867.11	(5,244.00)
4	1983	50,811.17	(3,898.00)	46,913.17	(3,898.00)
5	1984	344,533.75	(24,547.00)	319,986.75	(24,547.00)
6	1985	216,158.86	(14,376.00)	201,782.86	(14,376.00)
7	1986	349,372.24	(21,787.00)	327,585.24	(21,787.00)
8	1987	787,239.57	(46,211.00)	741,028.57	(46,211.00)
9	1988	419,421.17	(23,255.00)	396,166.17	(23,255.00)
10	1989	774,393.03	(40,681.00)	733,712.03	(40,681.00)
11	1990	2,231,690.18	(111,386.00)	2,120,304.18	(111,386.00)
12	1991	1,502,479.07	(71,425.00)	1,431,054.07	(71,425.00)
13	1992	3,156,626.84	(143,251.00)	3,013,375.84	(143,251.00)
14	1993	1,089,268.59	(47,286.00)	1,041,982.59	(47,286.00)
15	1994	1,573,734.01	(65,475.00)	1,508,259.01	(65,475.00)
16	1995	1,103,293.54	(44,069.00)	1,059,224.54	(44,069.00)
17	1996	1,657,213.10	(63,652.00)	1,593,561.10	(63,652.00)
18	1997	1,036,794.60	(38,349.00)	998,445.60	(38,349.00)
19	1998	525,056.06	(18,728.00)	506,328.06	(18,728.00)
20	1999	4,040,193.00	(139,146.00)	3,901,047.00	(139,146.00)
21	2000	3,016,550.29	(100,432.00)	2,916,118.29	(100,432.00)
22	2001	2,679,183.43	(86,326.00)	2,592,857.43	(86,326.00)
23	2002	2,622,851.38	(81,873.00)	2,540,978.38	(81,873.00)
24	2003	3,611,785.69	(109,330.00)	3,502,455.69	(109,330.00)
25	2004	2,172,038.91	(63,817.00)	2,108,221.91	(63,817.00)
26	2005	2,861,401.22	(81,671.00)	2,779,730.22	(81,671.00)
27	2006	5,106,365.69	(141,703.00)	4,964,662.69	(141,703.00)
28	2007	5,516,265.95	(148,945.00)	5,367,320.95	(148,945.00)
29	2008	5,840,040.91	(153,541.00)	5,686,499.91	(153,541.00)
30	2009	6,777,376.88	(173,620.00)	6,603,756.88	(173,620.00)
31	2010	6,201,794.11	(154,907.00)	6,046,887.11	(154,907.00)
32	2011	6,958,026.33	(169,708.00)	6,788,318.33	(169,708.00)
33	2012			10,663,787.00	(260,092.00)
34					
35					
36	<u>CIAC GET Adjustment:</u>				
37	-adj 92-96 GET				
38	-adj 97 GET				
39	-adj 98 GET				
40	-adj 99 GET				
41	-adj 00 GET				
42	-adj 01 GET				
43	-adj 02 GET				
44	-adj 03 GET				
45	-adj 04 GET				
46	-adj 05 GET				
47	-adj 06 GET				
48	-adj 07 GET				
49	-adj 08 GET				
50	-adj 09 GET				
51	-adj 10 GET				
52	-adj 11 GET				
53	-adj 12 GET				
54					
55					
56	<u>In - Kind CIAC:</u>				
57	1988	186,513.95	(10,341.00)	176,172.95	(10,341.00)
58	1989	247,476.09	(13,001.00)	234,475.09	(13,001.00)
59	1990	753,015.64	(37,584.00)	715,431.64	(37,584.00)

SCHEDULE G3
(WITH SETTLEMENT)
PAGE 2 OF 2

60	1991	684,216.50	(32,527.00)	651,689.50	(32,527.00)
61	1992	434,974.26	(19,740.00)	415,234.26	(19,740.00)
62	1993				
63	1994				
64	1995				
65	1996				
66	1997				
67	1998				
68	1999				
69	2000				
70	2001				
71	2002				
72	2003				
73	2004				
74	2005				
75	2006				
76	2007				
77	2008				
78	2009				
79	2010				
80	2011				
81	2012				
82					
83					
84	Total CIAC Amortization for 2012 RAM	<u>\$ 76,641,653</u>	<u>\$ (2,506,398)</u>	<u>\$ 84,799,042</u>	<u>\$ (2,766,490)</u>

NOTE (A)

The Commission issued Interim Decision & Order ("Interim D&O") on 11/3/2010 in HELCO's 2010 test year rate case, which changed the CIAC amortization period from 30 to 41 years effective 1/14/2010 (Interim D&O at 28). See also HELCO-WP-G3-001.

**HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
EARNINGS SHARING CALCULATIONS
(\$ In Thousands)**

Line No.	Description (a)	Reference (b)	Ratemaking Basis Return on Equity			
			Operating Income (c)	Rate Base (d)	Rate of Return (e)	
1	Reported Operating Income b/4 ratemaking adj.	Dec 2012 Monthly PUC Report, p 2A, filed 2/19/13 & HELCO-WP-H-001	\$ 31,140	\$ 454,472		
2	<u>Ratemaking Adjustments to Line 1:</u>					
2a	Incentive Compensation Expenses (net of tax)	HELCO-WP-H-002	228			
2b	Discretionary and Other Expenses Not Recoverable (net of tax)	HELCO-WP-H-002	608			
2c	Amortization of investment income differential	HELCO-WP-H-003	(9)			
2d	Income tax on items to be replaced by synchronized interest	HELCO-WP-H-003	(4,527)			
3	Ratemaking Basis Amounts - Post Tax	Sum Lines 1 & 2	\$ 27,440	\$ 454,472		
4	<u>Ratemaking Capitalization</u>		Balances	Ratios	Cost Rate	Weighted Cost
5	Short-Term Debt (12 mo. Avg)		\$ -	0.00%	0.00%	0.00%
6	Long-Term Debt (Simple Avg)		\$ 192,875	39.87%	5.90%	2.31%
7	Hybrid Securities (Simple Avg)		\$ 9,370	1.94%	7.32%	0.14%
8	Preferred Stock (Simple Avg)		\$ 6,653	1.38%	8.25%	0.11%
9	Common Equity (Simple Avg)		\$ 274,850	56.82%	10.00%	5.68%
10	Total Capitalization	HELCO-WP-H-004	\$ 483,748	100.00%		8.25%
11	Line 3 Rate Base Amount				\$ 454,472	
12	Weighted Cost of Debt				2.45%	
13	Synchronized Interest Expense				\$ 11,151	
	Income Tax Factor				1.636929121	
13a	Synchronized Interest Expense, net of tax				\$ 6,812	
14	Post Tax Income Available for Preferred & Common (Line 3 - Line 13a)					\$ 20,628
17	Less: Preferred Income Requirement (Line 8 Weighted Cost times Rate Base)					516
18	Income Available for Common Stock					\$ 20,112
19	Ratemaking Equity Investment (Line 9 Ratio times Rate Base)					258,216
20	Return on Equity for Decoupling Earnings Sharing					7.79%
21	<u>Earnings Sharing Revenue Credits:</u>		Basis Points			
22	Achieved ROE (basis points)		779			
23	Authorized Return (basis points)		1,000			
24	ROE for sharing (basis points)		-			
25	Sharing Grid per RAM Provision		First 100 bp	Next 200 bp	All over 300 bp	Ratepayer Total
26	Distribution of Excess ROE (basis points)		0	0	0	
27	Ratepayer Share of Excess Earnings		25%	50%	90%	
28	Ratepayer Earnings Share - Basis Points		-	-	-	
29	Revenue Credit per Basis Point (Note 2)					\$ 46
30	Earnings Sharing Revenue Credits (thousands)					\$ -

Footnotes

1	Composite Federal & State Income Tax Rate	38.91%
	Income Tax Factor (1 / 1-tax rate)	1.636929121
2	Ratemaking Equity Investment (line 19)	\$ 258,216
	Basis Point = 1/100 of a percent	0.01%
	Earnings Required per Basis Point (thousands)	\$ 25.82
	Times: Income Tax Conversion Factor	1.636929121
	Pretax Income Required per Basis Point (thousands)	\$ 42
	Times: Revenue Tax Conversion Factor	1.0975
	Revenue Requirement per Basis Point (thousands)	\$ 46

HAWAII ELECTRIC LIGHT COMPANY, INC.
DECOUPLING CALCULATION WORKBOOK
PUC-ORDERED ADJUSTMENTS

Line No.	Description (a)	Reference (b)	(c)	(d)
-------------	--------------------	------------------	-----	-----

This Schedule has not been developed yet and will be developed only when/as needed.

HELCO KWH Sales Forecast
 June 2013 to May 2014
 In GWH

	2014												Total
	June	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	
R	34,095	36,492	36,666	33,731	34,489	34,567	37,090	41,085	34,365	37,207	35,779	35,534	431,100
GJ	37,143	38,099	39,597	38,499	39,582	36,862	36,803	36,061	34,369	38,211	36,882	38,947	451,055
P	19,551	20,828	21,074	20,004	20,511	19,383	19,536	19,116	17,643	19,606	19,005	20,125	236,382
F	0,410	0,435	0,443	0,419	0,445	0,423	0,446	0,455	0,414	0,456	0,431	0,465	5,242
	91,199	95,854	97,780	92,653	95,027	91,235	93,875	96,717	86,791	95,480	92,097	95,071	1,123,779

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

Revised	Pro-rated						Total
	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	
L1	Monthly Target Revenue	\$8,099,842	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,861	
L2	Recorded Adjusted Revenue	\$11,141,224	\$11,274,762	\$10,467,223	\$11,334,828	\$10,608,949	
L3	Target vs. Actual Revenue	(\$96,024)	\$281,320	\$742,814	\$527,822	\$695,283	
L4	Reversal of Previous Year Accrual *	\$0	\$0	\$0	\$0	\$0	
L5	Net RBA Change	(\$96,024)	\$281,320	\$742,814	\$527,822	\$695,283	\$808,912
L6	Beginning RBA Balance	\$0	\$211,105	\$956,832	\$1,490,758	\$2,195,233	\$2,195,233
L7	End Balance Before Interest	(\$96,024)	\$210,755	\$953,919	\$1,484,654	\$2,186,041	\$3,004,145
L8	Balance Subject to Interest	(\$48,012)	\$70,095	\$582,512	\$1,220,743	\$1,898,400	\$2,599,689
L9	Interest	(\$240)	(\$176)	\$2,913	\$6,104	\$9,192	\$12,998
L10	Ending RBA Balance	(\$96,264)	\$211,105	\$956,832	\$1,490,758	\$2,195,233	\$3,017,143
	revenues charged in incorrect period adjustment		\$9,528	\$7,687	\$5,118	\$7,763	\$30,096
	tax rate		91.115%	91.115%	91.115%	91.115%	91.115%
	net of tax		\$8,681	\$7,004	\$4,663	\$7,074	\$27,422
	Target vs Actual Difference:						
	Per original calculation	\$11,141,224	\$11,274,762	\$10,467,223	\$11,223,299	\$11,330,165	\$10,601,875
	Adjustment for billing error		\$8,681	\$7,004	\$4,663	\$7,074	
	Revised Revenues	\$11,141,224	\$11,274,762	\$10,467,223	\$11,230,303	\$11,334,828	\$10,608,949
	Revised Adjustment	(\$96,024)	\$281,320	\$742,814	\$527,822	\$695,283	\$808,912
	RBA Adjustment Recorded	(\$96,024)	\$281,320	\$751,495	\$534,826	\$699,946	\$815,986
	RBA Adjustment	\$0	\$0	(\$4,681)	(\$7,004)	(\$4,663)	(\$7,074)
	Revised Interest	\$ (240) \$	350 \$	2,913 \$	6,104 \$	9,192 \$	12,998 \$
	Interest Recorded	\$ (240) \$	350 \$	2,934 \$	6,165 \$	9,282 \$	13,119 \$
	Interest Adjustment	\$0	\$0	(\$21)	(\$61)	(\$90)	(\$121)

Note (1):
Amounts may not add due to rounding.

Note (2):
A manual adjustment to the RBA including interest was recorded in October 2012. The adjustment was the result of an billing system error from June 2012 through September 2012. The error was caused by the sub meters reflecting a negative kWh total and thereby reducing the main meter billing to the minimum. The October RBA calculation has an offsetting increase in the RBA of \$27,422 and therefore the net adjustment is the decrease in interest earned due to the timing difference.

October 2012 - Correction of Customer billing adjustment made September 2012

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

Revised	Pro-rated						Total
	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	
L1	\$11,045,200	\$8,099,842	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,861	
L2	\$11,141,224	\$8,170,231	\$10,458,542	\$11,223,299	\$11,330,165	\$10,597,913	
L3	(\$96,024)	(\$70,389)	\$751,495	\$534,826	\$699,946	\$819,948	
L4	\$0	\$0	\$0	\$0	\$0	\$0	
L5	(\$96,024)	(\$70,389)	\$751,495	\$534,826	\$699,946	\$819,948	
L6	\$0	\$0	\$211,105	\$965,534	\$1,506,525	\$2,215,753	
L7	(\$96,024)	(\$70,389)	\$210,755	\$962,600	\$1,500,360	\$2,206,471	
L8	(\$48,012)	(\$35,195)	\$70,095	\$586,853	\$1,232,947	\$1,856,498	
L9	(\$240)	(\$176)	\$350	\$6,165	\$9,282	\$13,129	
L10	(\$96,264)	(\$70,565)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	

revenues charged in incorrect period adjustment							\$44,587
revenue taxes							91.115%
net of tax							\$40,625
revenue tax adjustment							\$3,962

Target vs Actual Difference:							
Per original calculation	\$11,141,224	\$8,170,231	\$11,274,762	\$10,458,542	\$11,330,165	\$10,601,875	
Adjustment for revenue tax error						(\$3,962)	
Revised Revenues	\$11,141,224	\$8,170,231	\$11,274,762	\$10,458,542	\$11,330,165	\$10,597,913	

RBA Adjustment Recorded	(\$96,024)	(\$70,389)	\$281,320	\$751,495	\$534,826	\$699,946	\$819,948
RBA Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$815,986

Revised interest	\$	(240)	\$	350	\$	2,934	\$	6,165	\$	9,282	\$	13,129
Interest Recorded	\$	(240)	\$	(176)	\$	350	\$	2,934	\$	6,165	\$	9,282
Interest Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$10

Note (1):
Amounts may not add due to rounding.

Note (2):
A manual adjustment to the RBA including interest was recorded in October 2012. The adjustment was made to unbilled revenues to properly state the RBA balance related to an error found in the September RBA calculation. The original September calculation improperly included revenue taxes. The October entry corrects the revenue tax portion of the September adjustment.

\$3,962 JE #1000043569

\$10 JE #1000043569

HELCO-WP-B-004
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT

December 2012 - Revised Target Revenue filed 12-21-2012

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12
L1	\$11,045,200	\$8,099,842	\$11,210,037	\$11,758,125	\$12,090,111	\$11,417,881	\$11,703,653	\$11,241,014
L2	\$11,141,224	\$8,170,231	\$10,458,542	\$11,223,289	\$11,330,165	\$10,601,875	\$11,226,890	\$10,791,999
L3	(\$98,024)	(\$70,389)	\$751,495	\$534,828	\$699,946	\$815,886	\$476,963	\$449,015
L4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
L4 + L3	(\$98,024)	(\$70,389)	\$751,495	\$534,828	\$699,946	\$815,886	\$476,963	\$449,015
L5	\$0	\$0	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552
L6	(\$98,024)	(\$70,389)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552
L7	(\$98,024)	(\$70,389)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552
L8	(\$48,012)	(\$35,195)	\$586,853	\$1,232,947	\$1,856,498	\$2,622,746	\$3,300,568	\$3,790,060
L8 + L7 + 2	(\$48,012)	(\$35,195)	\$586,853	\$1,232,947	\$1,856,498	\$2,622,746	\$3,300,568	\$3,790,060
L9	(\$240)	(\$176)	\$2,934	\$6,162	\$9,279	\$13,113	\$16,503	\$18,900
L9 + 6% + 12	(\$240)	(\$176)	\$2,934	\$6,162	\$9,279	\$13,113	\$16,503	\$18,900
L10	(\$96,264)	(\$70,565)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552
	\$ (70,389)	\$ 210,931	\$ 962,428	\$ 1,497,252	\$ 2,197,188	\$ 3,013,184	\$ 3,507,300	\$ 3,956,315
Principal Portion 18670301	\$ (176)	\$ 174	\$ 3,108	\$ 9,273	\$ 18,555	\$ 31,874	\$ 48,252	\$ 67,152
Interest Portion 18670302	\$ (70,565)	\$ 211,105	\$ 965,534	\$ 1,506,525	\$ 2,215,753	\$ 3,044,858	\$ 3,555,552	\$ 4,023,467
Total	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Check	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
	Adjusted Monthly Target Revenue	\$11,209,828	\$11,757,614	\$12,029,965	\$11,417,365	\$11,703,144	\$11,240,526	
	Recorded Adjusted Revenue	\$10,458,542	\$11,223,289	\$11,330,165	\$10,601,875	\$11,226,890	\$10,791,999	
	Adjusted Target vs. Actual Revenue	\$751,286	\$534,315	\$699,800	\$815,490	\$476,454	\$448,527	
	Reversal of Previous Year Accrual *	\$0	\$0	\$0	\$0	\$0	\$0	
	Net RBA Change	\$751,286	\$534,315	\$699,800	\$815,490	\$476,454	\$448,527	
	Beginning RBA Balance	\$211,105	\$965,325	\$1,505,802	\$2,214,881	\$3,060,712	\$3,553,661	
	End Balance Before Interest	\$962,391	\$1,499,640	\$2,205,602	\$3,030,371	\$3,537,168	\$4,002,188	
	Balance Subject to Interest	\$586,748	\$1,232,483	\$1,855,702	\$2,622,628	\$3,298,939	\$3,777,925	
	Monthly Adjusted Interest	\$2,934	\$6,162	\$9,279	\$13,113	\$16,485	\$18,890	
	Ending RBA Balance	\$965,325	\$1,505,802	\$2,214,881	\$3,043,484	\$3,553,661	\$4,021,078	
	Initial Monthly Interest Booked	\$2,934	\$6,165	\$9,282	\$13,119	\$16,503	\$18,900	
	Adjusted Monthly Interest	\$2,934	\$6,162	\$9,279	\$13,113	\$16,495	\$18,890	
	Monthly Interest Adjustment	\$0	(\$3)	(\$3)	(\$3)	(\$8)	(\$10)	
	Total Interest Adjustment	(\$30)	(\$511)	(\$146)	(\$496)	(\$509)	(\$488)	
	Interest Tax Gross Up	(\$33)	(\$3)	(\$3)	(\$8)	(\$9)	(\$10)	
	Total Interest Adjustment (including tax gross up)	(\$33)	(\$514)	(\$149)	(\$504)	(\$518)	(\$498)	
	JE #H000044504							
	Total	(\$2,359)	(\$30)	(\$388)	(\$30)	(\$388)	(\$2,359)	

Note (1):
Amounts may not add due to rounding.

Note (2):

As described in HELCO's transmittal No. 12-03 (Decoupling) filed on December 21, 2012, HELCO lowered its monthly target revenues by decreasing it annualized 2012 Revenue Adjustment Mechanism (RAM) by \$6,194 effective June 18, 2012, due to a correction to the O&M labor cost escalation rate used in the O&M RAM calculation. The difference between the original target revenues and the revised monthly target revenues for June - November 2012 were analyzed and the RBA adjusted downward by \$2,359 plus calculated interest of \$30. Starting December 2012, the revised target revenues are being used for the monthly RBA calculation.

Note(3):

The September 2012 RBA ending balance is \$17,228 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012.

HELCO-WP-B-005
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT
December 2012 - Revision to September adjustment

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

	Pro-rated											
	Apr-12	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12			
L1												
L2												
L3												
L4												
L5												
L6												
L7												
L8												
L9												
L10												
Monthly Target Revenue	\$11,045,200	\$8,099,842	\$11,556,082	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,861	\$11,703,653	\$11,241,014			
Recorded Adjusted Revenue	\$11,141,224	\$8,170,231	\$11,274,762	\$10,458,542	\$11,223,299	\$11,330,165	\$10,599,448	\$11,226,690	\$10,791,959			
Target vs. Actual Revenue	(\$96,024)	(\$70,389)	\$281,320	\$751,495	\$534,826	\$699,946	\$818,413	\$476,963	\$449,015			
Reversal of Previous Year Accrual *	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0			
Net RBA Change	(\$96,024)	(\$70,389)	\$281,320	\$751,495	\$534,826	\$699,946	\$818,413	\$476,963	\$449,015			
Beginning RBA Balance	\$0	\$0	(\$70,565)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,064,519	\$3,557,987			
End Balance Before Interest	(\$96,024)	(\$70,389)	\$210,755	\$962,600	\$1,500,360	\$2,206,471	\$3,034,166	\$3,541,482	\$4,007,012			
(L5 + L7) * 2	(\$48,012)	(\$35,195)	\$70,095	\$566,853	\$1,232,947	\$1,856,498	\$2,624,960	\$3,303,001	\$3,782,505			
Balance Subject to Interest	(\$144,036)	(\$105,584)	\$140,660	\$525,747	\$767,413	\$1,349,973	\$1,409,206	\$1,238,481	\$2,224,507			
Interest	(\$240)	(\$176)	\$350	\$2,934	\$6,165	\$8,282	\$13,125	\$16,515	\$18,913			
Ending RBA Balance	(\$144,276)	(\$105,760)	\$141,010	\$528,681	\$773,578	\$1,358,255	\$1,422,331	\$1,255,000	\$2,243,420			
Target vs Actual Difference:												
Per original calculation	\$11,141,224	\$8,170,231	\$11,274,762	\$10,458,542	\$11,223,299	\$11,330,165	\$10,601,675	\$11,226,690	\$10,791,959	Total		
Adjustment for billing error							(\$2,427)					
Revised Revenues	\$11,141,224	\$8,170,231	\$11,274,762	\$10,458,542	\$11,223,299	\$11,330,165	\$10,599,448	\$11,226,690	\$10,791,969			
Revised Adjustment	(\$96,024)	(\$70,389)	\$281,320	\$751,495	\$534,826	\$699,946	\$818,413	\$476,963	\$449,015			
RBA Adjustment Recorded	(\$96,024)	(\$70,389)	\$281,320	\$751,495	\$534,826	\$699,946	\$818,413	\$476,963	\$449,015			
RBA Adjustment	\$0	\$0	\$0	\$0	\$0	\$0	\$2,427	\$0	\$0			
Revised Interest	\$ (240)	\$ (176)	\$ 350	\$ 2,934	\$ 6,165	\$ 8,282	\$ 13,125	\$ 16,515	\$ 18,913			
Interest Recorded	\$ (240)	\$ (176)	\$ 350	\$ 2,934	\$ 6,165	\$ 8,282	\$ 13,119	\$ 16,503	\$ 18,900			
Interest Adjustment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6	\$ 12	\$ 13			
	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6	\$ 12	\$ 13			

Note (1):
Amounts may not add due to rounding.

Note (2):
A manual adjustment of \$2,427 was made December 2012 to unbilled revenues to increase the RBA balance related to an error found in the September 2012 RBA calculation. The revised calculation properly isolated base revenues used to calculate the RBA adjustment.

Note(3):
The September 2012 RBA ending balance is \$17,228 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012.

HELCO-WP-B-006
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT
December 2012 - Customer billing correction

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12
L1	\$11,045,200	\$6,089,842	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,961	\$11,703,653	\$11,241,014
L2	\$11,141,224	\$8,165,545	\$10,458,542	\$11,223,299	\$11,330,165	\$10,615,191	\$11,226,690	\$10,791,999
L3	(\$96,024)	(\$65,703)	\$283,824	\$534,826	\$699,946	\$802,670	\$476,963	\$449,015
L4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
L5	(\$96,024)	(\$65,703)	\$283,824	\$534,826	\$699,946	\$802,670	\$476,963	\$449,015
L6	\$0	\$0	\$218,337	\$972,802	\$1,513,829	\$2,223,094	\$3,038,886	\$3,549,550
L7	(\$96,024)	(\$65,703)	\$217,957	\$969,632	\$1,507,628	\$2,213,775	\$3,053,077	\$3,998,565
L8	(\$48,012)	(\$32,852)	\$76,045	\$594,085	\$1,240,215	\$1,983,802	\$2,624,429	\$3,774,058
L9	(\$240)	(\$164)	\$380	\$2,970	\$6,201	\$13,122	\$16,473	\$18,870
L10	(\$96,294)	(\$65,867)	\$218,337	\$972,802	\$1,513,829	\$2,223,094	\$3,038,886	\$3,549,550
Principal Portion 18670301	\$	(\$5,703)	\$218,121	\$969,616	\$1,504,442	\$2,204,388	\$3,007,058	\$3,501,361
Interest Portion 18670302	\$	(\$164)	\$216	\$3,186	\$18,706	\$31,828	\$48,189	\$67,059
Total	\$	(\$65,867)	\$218,337	\$972,802	\$1,513,829	\$2,223,094	\$3,038,886	\$3,549,550
Check	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
revenues changed in incorrect period adjustment								
revenue taxes	\$	(\$5,143)	(\$2,748)	\$14,614	\$	\$	\$	\$
net of tax	\$	(\$4,886)	(\$2,504)	\$13,316	\$	\$	\$	\$
Target vs Actual Difference:								
Per original calculation	\$	11,170,231	\$	11,274,782	\$	10,458,542	\$	11,223,299
Adjustment for revenue tax error	\$	(4,886)	\$	(2,504)	\$	13,316	\$	-
Revised Revenues	\$	11,141,224	\$	11,272,258	\$	10,458,542	\$	11,223,299
Revised Adjustment	(\$96,024)	(\$65,703)	\$283,824	\$534,826	\$699,946	\$802,670	\$476,963	\$449,015
RBA Adjustment Recorded	\$	(96,024)	\$	281,320	\$	751,495	\$	534,826
RBA Adjustment	\$	\$4,886	\$	\$2,504	\$	(\$13,316)	\$	\$0
Revised Interest	\$	(240)	\$	(164)	\$	380	\$	216
Interest Recorded	\$	(240)	\$	(178)	\$	350	\$	216
Interest Adjustment	\$	-	\$	12	\$	30	\$	3

Note (1):
Amounts may not add due to rounding.

Note (2):
A manual adjustment to the RBA including interest was recorded in December 2012. HELCO credited a customer \$14,614 after determining that the customer had been incorrectly billed from March 3, 2012 through May 14, 2012 for a well pump that was not in use. HELCO analyzed and allocated the portion of the revenues related to the decoupling period to the correct months and recalculated the RBA principal and interest.

Note (3):
The September 2012 RBA ending balance is \$17,228 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012.

HELCO-WP-9-007
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT

December 2012 - Miscellaneous customer timing differences interest only affect

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12
L1 Monthly Target Revenue								
L2 Recorded Adjusted Revenue	\$11,045,200	\$8,099,642	\$11,556,092	\$11,210,037	\$11,258,125	\$11,417,961	\$11,703,653	\$11,241,014
L3 Target vs. Actual Revenue	\$11,141,224	\$8,170,231	\$11,274,782	\$10,421,105	\$11,260,736	\$10,601,375	\$11,226,690	\$10,791,999
L4 L4 + L3	(\$96,024)	(\$70,389)	\$281,320	\$788,932	\$497,389	\$804,091	\$476,963	\$449,015
L5 Net RBA Change	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
L6 L6 + L5	(\$96,024)	(\$70,389)	\$281,320	\$788,932	\$497,389	\$804,091	\$476,963	\$449,015
L7 (L6 + L7) + 2	(\$96,024)	(\$70,389)	\$281,320	\$788,932	\$497,389	\$804,091	\$476,963	\$449,015
L8 L8 + L7 + 2	(\$96,024)	(\$70,389)	\$281,320	\$788,932	\$497,389	\$804,091	\$476,963	\$449,015
L9 L9 + L8 + 2	(\$96,024)	(\$70,389)	\$281,320	\$788,932	\$497,389	\$804,091	\$476,963	\$449,015
L10 L10 + L9	(\$96,024)	(\$70,389)	\$281,320	\$788,932	\$497,389	\$804,091	\$476,963	\$449,015
Principal Portion 18670301								
Interest Portion 18670302								
Total	\$	\$	\$	\$	\$	\$	\$	\$
Check								
revenues charged in incorrect period adjustment								
Target vs Actual Difference:								
Per original calculation	\$	\$	\$	\$	\$	\$	\$	\$
Adjustment for revenue tax error								
Revised Revenues	\$	\$	\$	\$	\$	\$	\$	\$
Revised Adjustment								
RBA Adjustment Recorded								
RBA Adjustment								
Revised Interest								
Interest Recorded								
Interest Adjustment								

Note (1):
Amounts may not add due to rounding.

Note (2):
A manual adjustment of interest only was recorded in December 2012. The adjustment was the result of various customer timing differences on the same revenue schedules that did not affect the revenue total. However the revenue was recognized in incorrect periods thereby affecting the interest calculation for RBA purposes. HELCO analyzed the differences and calculated the interest adjustment.

Note (3):
The September 2012 RBA ending balance is \$17,228 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012.

HELCO-WP-B-008
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT
January - Correction for DRM Meter Failure

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	
	Pro-rated									
	A	A	A	A	A	A	A	A	A	
L1	\$11,045,200	\$11,556,082	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,861	\$11,703,653	\$11,241,014	\$11,567,157	
L2	\$11,141,224	\$11,274,762	\$10,458,542	\$11,223,289	\$11,330,165	\$10,601,875	\$11,228,690	\$10,804,440	\$11,167,512	
L3	(\$96,024)	\$281,320	\$751,495	\$534,826	\$699,946	\$815,986	\$476,963	\$436,574	\$399,645	
L4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	
L4 + L3	(\$96,024)	\$281,320	\$751,495	\$534,826	\$699,946	\$815,986	\$476,963	\$436,574	\$399,645	
L5	\$0	(\$70,389)	\$211,105	\$865,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552	\$4,065,285	
L6 + L5	(\$96,024)	(\$70,389)	\$211,105	\$865,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552	\$4,065,285	
L7	(\$48,012)	(\$35,195)	\$70,095	\$1,232,947	\$1,856,496	\$2,623,746	\$3,300,568	\$3,773,839	\$4,205,108	
L8	(\$240)	(\$176)	\$350	\$2,934	\$4,282	\$6,165	\$8,869	\$12,026	\$16,869	
L8 x 6% - 12										
L7 + L9	(\$384)	(\$352)	\$700	\$5,268	\$6,165	\$8,869	\$12,026	\$16,869	\$21,026	
L10	(\$36,264)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552	\$4,010,995	\$4,425,856	
Principal Portion 18670301	\$	(\$70,389)	\$210,931	\$862,426	\$1,497,252	\$2,197,188	\$3,013,184	\$3,507,300	\$3,943,874	
Interest Portion 18670302	\$	(\$176)	\$174	\$3,108	\$9,273	\$10,555	\$11,674	\$12,532	\$13,612	
Total	\$	(\$70,565)	\$211,105	\$965,534	\$1,506,525	\$2,215,753	\$3,044,858	\$3,555,552	\$4,010,995	
revenues charged in incorrect period adjustment										
tax rate			91.115%	91.115%	91.115%	91.115%	91.115%	91.115%	91.115%	
net of tax			\$	\$	\$	\$	\$	\$	\$	
revenue tax adjustment										
Target vs Actual Difference										
Per original calculation	\$11,045,200	\$11,556,082	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,861	\$11,703,653	\$11,241,014	\$11,567,157	
Adjustment for billing error										
Revised Revenues	\$	8,099,842	\$	11,758,125	\$	12,030,111	\$	11,417,861	\$	
Revised Adjustment	\$	(96,024)	\$	534,826	\$	699,946	\$	476,963	\$	
RBA Adjustment Recorded	\$	(96,024)	\$	534,826	\$	699,946	\$	476,963	\$	
RBA Adjustment	\$		\$		\$		\$		\$	
Revised interest	\$	(240)	\$	6,165	\$	9,282	\$	13,119	\$	
Interest Recorded	\$	(240)	\$	6,165	\$	9,282	\$	13,119	\$	
Interest Adjustment	\$		\$		\$		\$		\$	
Amounts may not add due to rounding.										
Note (1):										
Amounts may not add due to rounding.										
Note (2):										
A manual adjustment to the RBA including interest was recorded January 2013. The adjustment was made to unbilled revenues to properly state the RBA balance related to a customer meter that failed, became stuck, and was not properly tracking actual usage. November and December usage were estimated by HELCO and billed January 2013. For RBA purposes, both the revenue and related kwmts were corrected to the proper periods and RBA principal and interest recalculated.										
The meter was replaced January 11, 2013.										
Note (3):										
The September 2012 RBA ending balance is \$17,228 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012.										
The November 2012 RBA ending balance is \$5,710 greater than the December 2012 RBA beginning balance, due to prior period adjustments made December 2012.										

JE #H000044987 0108
JE #H000044986

HELCO-WP-B-009
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT
January - Correction for Demand Meter Calculation Issue

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

Revised

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12
L1	\$11,045,200	\$8,099,842	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,661	\$11,703,653	\$11,241,014	\$11,567,157
L2	\$11,141,224	\$8,170,231	\$10,456,315	\$11,222,519	\$11,328,032	\$10,590,519	\$11,211,433	\$10,758,810	\$11,162,187
L1-L2	(\$96,024)	(\$70,389)	\$753,722	\$535,606	\$702,079	\$827,342	\$492,220	\$482,204	\$404,990
L4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
L4 + L3	(\$96,024)	(\$70,389)	\$753,722	\$535,606	\$702,079	\$827,342	\$492,220	\$482,204	\$404,990
L6	\$0	\$0	(\$70,389)	\$987,787	\$1,509,551	\$2,220,933	\$3,078,876	\$3,587,520	\$4,088,157
L7	(\$96,024)	(\$70,389)	\$211,105	\$987,787	\$1,509,551	\$2,220,933	\$3,078,876	\$3,587,520	\$4,088,157
L8	(\$48,012)	(\$35,195)	\$350	\$6,178	\$9,303	\$13,173	\$19,143	\$21,428	\$24,228
L9	(\$240)	(\$176)	\$350	\$6,178	\$9,303	\$13,173	\$19,143	\$21,428	\$24,228
L8 + L9	(\$720)	(\$352)	\$650	\$12,356	\$18,606	\$26,346	\$38,286	\$42,876	\$48,656
L7 + L9	(\$136,036)	(\$105,584)	\$105,584	\$105,584	\$105,584	\$105,584	\$105,584	\$105,584	\$105,584
L10	(\$96,024)	(\$70,389)	\$753,722	\$535,606	\$702,079	\$827,342	\$492,220	\$482,204	\$404,990
Principal Portion 18670301	\$	(\$70,389)	\$210,931	\$984,653	\$1,500,259	\$2,202,338	\$3,029,680	\$4,021,257	\$4,420,189
Principal Portion 18670302	\$	(\$176)	\$174	\$3,114	\$9,292	\$18,585	\$31,768	\$48,467	\$67,610
Total	\$	(\$70,565)	\$211,105	\$987,787	\$1,509,551	\$2,220,933	\$3,061,448	\$3,587,520	\$4,088,867

revenues changed in incorrect period adjustment
tax rate \$ 2,444 \$ 856 \$ 2,341 \$ 12,463 \$ 16,745 \$ (2,768) \$ 32,857 \$ 64,988
net of tax 91.115% 91.115% 91.115% 91.115% 91.115% 91.115% 91.115% 91.115%
revenue tax adjustment \$ 2,227 \$ 780 \$ 2,133 \$ 11,356 \$ 15,257 \$ (2,467) \$ 29,938 \$ 98,223

Target vs Actual Difference:
Per original calculator \$11,141,224 \$8,170,231 \$10,456,315 \$11,222,519 \$11,328,032 \$10,590,519 \$11,211,433 \$10,758,810 \$11,162,187
Adjustment for billing error (\$96,024) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389)
Revised Revenues \$11,141,224 \$8,170,231 \$10,456,315 \$11,222,519 \$11,328,032 \$10,590,519 \$11,211,433 \$10,758,810 \$11,162,187

Revised Adjustment
RBA Adjustment Recorded (\$96,024) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389)
RBA Adjustment (\$96,024) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389) (\$70,389)

Revised Interest
Interest Recorded (\$240) (\$176) (\$350) (\$6,178) (\$9,303) (\$13,173) (\$19,143) (\$21,428) (\$24,228)
Interest Adjustment (\$240) (\$176) (\$350) (\$6,178) (\$9,303) (\$13,173) (\$19,143) (\$21,428) (\$24,228)

Note (1):
Amounts may not add due to rounding

Note (2):
A manual adjustment to the RBA including interest was recorded January 2013. The adjustment was made to unbill revenues to properly state the RBA balance related to newly installed demand meters between June 2012 through December 2012, improperly calculating the demand rate. HELCO identified all affected customer accounts and rebilled in December 2012, January 2013 and February 2013 all billing periods affected. HELCO also properly re-programmed the customer accounts in SAP to correctly calculate the demand rate for future billing periods.

Note (3):
The September 2012 RBA ending balance is \$17,229 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012. The November 2012 RBA ending balance is \$5,710 greater than the December 2012 RBA beginning balance, due to prior period adjustments made December 2012.

HELCO-WP-B-010
HAWAII ELECTRIC LIGHT COMPANY, INC.
MONTHLY FINANCIAL REPORT

February 2013 - Correction for Demand Meter Calculation Issue

REVENUE BALANCING ACCOUNT - REVENUE TRACKER

Revised

	Apr-12	May-12	Jun-12	Jul-12	Aug-12	Sep-12	Oct-12	Nov-12	Dec-12	Jan-13
L1	\$11,045,200	\$8,099,842	\$11,210,037	\$11,758,125	\$12,030,111	\$11,417,861	\$11,703,653	\$11,241,014	\$11,567,157	\$11,294,996
L2	\$11,141,224	\$8,170,231	\$10,458,266	\$11,223,193	\$11,320,842	\$10,596,390	\$11,220,786	\$10,786,455	\$11,150,318	\$11,156,974
L3	(\$96,024)	(\$70,389)	\$751,771	\$534,932	\$700,269	\$821,471	\$482,867	\$454,559	\$416,839	\$136,022
L4	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
L5	(\$96,024)	(\$70,389)	\$751,771	\$534,932	\$700,269	\$821,471	\$482,867	\$454,559	\$416,839	\$136,022
L6	\$0	\$0	(\$70,389)	\$985,811	\$1,506,909	\$2,216,463	\$3,019,374	\$3,973,953	\$4,384,734	\$4,556,474
L7	(\$96,024)	(\$70,389)	\$982,876	\$1,506,743	\$2,207,178	\$3,037,934	\$3,551,165	\$4,022,273	\$4,452,377	\$4,647,987
L8	(\$48,012)	(\$35,195)	\$70,095	\$1,233,277	\$1,851,044	\$2,827,189	\$3,309,732	\$3,784,894	\$4,243,858	\$4,578,978
L9	(\$240)	(\$176)	\$350	\$2,495	\$3,285	\$4,136	\$5,049	\$5,844	\$6,728	\$7,670
L10	(\$96,264)	(\$70,365)	\$211,105	\$1,506,909	\$2,216,463	\$3,019,374	\$3,973,953	\$4,384,734	\$4,773,597	\$4,870,862
	\$ (70,389)	\$ 210,831	\$ 982,702	\$ 1,497,634	\$ 2,197,903	\$ 3,019,374	\$ 3,519,304	\$ 3,973,953	\$ 4,384,734	\$ 4,556,474
	\$ (176)	\$ 174	\$ 3,109	\$ 9,275	\$ 16,590	\$ 31,696	\$ 48,320	\$ 67,295	\$ 89,863	\$ 112,408
	\$ (70,365)	\$ 211,105	\$ 985,811	\$ 1,506,909	\$ 2,216,463	\$ 3,051,070	\$ 3,567,714	\$ 4,041,248	\$ 4,473,597	\$ 4,870,862
revenues changed in incorrect period adjustment			\$ 303	\$ 116	\$ 354	\$ 6,020	\$ 6,479	\$ 6,085	\$ 6,728	\$ 7,670
tax rate			\$ 81.155%	\$ 81.155%	\$ 81.155%	\$ 81.155%	\$ 81.155%	\$ 81.155%	\$ 81.155%	\$ 81.155%
net of tax			\$ 276	\$ 106	\$ 323	\$ 5,485	\$ 5,903	\$ 5,544	\$ 6,130	\$ 6,986
revenue tax adjustment			\$ 27	\$ 10	\$ 31	\$ 535	\$ 576	\$ 541	\$ 598	\$ 682
Target vs Actual Difference:										
Per original calculation	\$11,141,224	\$8,170,231	\$10,458,266	\$11,223,193	\$11,320,842	\$10,596,390	\$11,220,787	\$10,786,455	\$11,150,318	\$11,156,974
Adjustment for billing error	(276)	(106)	(323)	(5485)	(5903)	(5544)	(6130)	(6986)	(7670)	(8763)
Revised Revenues	\$ 11,141,224	\$ 8,170,231	\$ 10,458,266	\$ 11,223,193	\$ 11,320,842	\$ 10,596,390	\$ 11,220,787	\$ 10,786,455	\$ 11,150,318	\$ 11,156,974
Revised Adjustment	\$ (96,024)	\$ (70,389)	\$ 281,320	\$ 751,771	\$ 534,932	\$ 700,269	\$ 821,471	\$ 482,867	\$ 454,559	\$ 136,022
RBA Adjustment Recorded	\$ (96,024)	\$ (70,389)	\$ 281,320	\$ 751,495	\$ 534,826	\$ 699,946	\$ 819,986	\$ 476,863	\$ 449,015	\$ 131,027
RBA Adjustment	\$ -	\$ -	\$ -	\$ 276	\$ 106	\$ 323	\$ 5,485	\$ 5,904	\$ 6,130	\$ 6,985
Revised Interest	(240)	(176)	350	2,935	6,168	9,295	13,136	16,549	18,975	21,220
Interest Recorded	(240)	(176)	350	2,934	6,165	9,292	13,119	16,503	18,900	21,116
Interest Adjustment	\$ -	\$ -	\$ -	\$ 1	\$ 3	\$ 17	\$ 46	\$ 75	\$ 104	\$ 136
Note (1):										
Amounts may not add due to rounding										
Note (2):										
A manual adjustment to the RBA including interest was recorded February 2013. The adjustment was made to unbilled revenues to properly state the RBA balance related to newly installed demand meters between June 2012 through December 2012, improperly calculating the demand rate. HELCO identified all affected customer accounts and rebilled in January and February 2013 all billing periods affected. HELCO also properly re-programmed the customer accounts in SAP to correctly calculate the demand rate for future billing periods.										
Note (3):										
The September 2012 RBA ending balance is \$17,228 less than the October 2012 RBA beginning balance, due to prior period adjustments made October 2012. The November 2012 RBA ending balance is \$5,710 greater than the December 2012 RBA beginning balance, due to prior period adjustments made December 2012. The December 2012 RBA ending balance is \$38,368 less than the January 2013 RBA beginning balance, due to prior period adjustments made in January 2013.										

Hawaii Electric Light Company, Inc.
Bargaining Unit Wage Increase per Collective Bargaining Agreement - Effective January 1, 2011
Tentative Settlement Agreement- Effective January 1, 2014

Wage Increases:	1/1/2011	1.75%	(Note 1)
(non-compounded)	1/1/2012	2.50%	(Note 1)
	1/1/2013	3.00%	(Note 1)

<u>Increase effective</u>	<u>Increase Amount</u>	<u>Wage Rate With Increase</u>	<u>Labor Cost Escalation Rate</u>	
	(a)	(b)	(c)	
		prev (b) + (a)	(b) / prev (b) -1	
1.00	1.75% 1/1/2011	1.0175		
	2.50% 1/1/2012	1.0425	0.0246	2.46%
	3.00% 1/1/2013	1.0725	0.0288	2.88%

(1) Agreement ratified by the IBEW, Local 1260 on March 11, 2011, reflects a 1.75% increase effective 1/1/2011, 2.50% increase effective 1/1/2012, and 3.00% increase effective 1/1/2013.
See HECO's Form 8-K dated March 11, 2011 filed with Securities and Exchange Commission at www.hei.com, under SEC filings.

Blue Chip Economic Indicators[®]

Top Analysts' Forecasts of the U.S. Economic Outlook for the Year Ahead
Vol. 38, No. 2, February 10, 2013

2013 Real GDP Forecast Slips Back To 1.9%

FEBRUARY 2013 Forecast For 2013 SOURCE:	Percent Change 2013 From 2012 (Full Year-Over-Prior Year)									Average For 2013			Total Units-2013		2013
	1 Real GDP (Chained) (2005 \$)	2 GDP Price Index	3 GDP Price (Cur. \$) Index	4 Consumer Price Index	5 Indust. Prod. (Total)	6 Dis. Pers. Income (2005 \$)	7 Personal Cons. Exp. (2005 \$)	8 Non-Res. Fix. Inv. (2005 \$)	9 Corp. Profits (Cur. \$)	10 Treas. Bills 3-mo.	11 Treas. Notes 10-Year	12 Unempl. Rate (Civ.)	13 Housing Starts (Mil.)	14 Auto&Light Truck Sales (Mil.)	15 Net Exports (2005 \$)
Standard & Poors Corp.*	3.0 H	1.6	4.6	1.5	3.6 H	1.4	2.7	9.0 H	na	0.1	2.1	7.3 L	1.11	15.6	-450.4
Naroff Economic Advisors*	2.7	2.4 H	5.2 H	2.9	3.0	1.1	2.8 H	5.9	6.0	0.2	2.3	7.5	0.96	15.8	-455.0 L
RBS	2.5	2.0	4.6	2.0	1.8	1.4	1.8	5.9	5.0	0.1	2.0	7.5	1.09	15.1	-400.0
Swiss Re	2.4	1.7	4.1	2.0	2.5	1.6	2.1	6.4	5.7	0.1	2.0	7.4	1.07	15.2	-414.5
Oxford Economics	2.3	1.8	4.1	2.0	2.5	1.0	2.3	5.5	3.2	0.1	2.1	7.9	0.94	15.0	-421.5
UBS	2.3	1.8	4.1	1.6	3.4	1.8	2.2	5.6	na	0.1	2.1	7.7	1.00	na	-405.0
AIG	2.2	1.5	3.5	1.4	2.7	1.3	2.0	4.1	3.6	0.1	2.1	7.6	1.03	15.4	-391.4
Turning Points (Micrometrics)	2.2	1.6	3.8	1.8	2.2	na	2.2	3.0	7.0 H	0.1	1.9	7.5	1.06	15.7	-405.5
BMO Capital Markets*	2.2	1.6	3.8	1.9	2.6	1.6	2.1	5.2	4.4	0.1	2.0	7.6	0.97	15.8	-404.0
National Assn. of Realtors	2.2	2.1	4.3	2.5	na	1.2	2.0	5.1	5.0	0.1	2.2	7.8	1.11	15.1	-401.0
Ford Motor Company*	2.2	1.6	3.8	1.6	2.5	0.5	1.8	4.2	na	0.1	2.0	7.7	1.05	na	-373.0
Societe Generale	2.2	1.7	4.0	1.4	2.1	1.9	1.6	6.1	2.2	na	2.4 H	7.8	0.96	16.5 H	-372.9
Moody's Analytics	2.1	2.2	4.1	2.1	1.2 L	0.1	1.9	2.4	2.4	0.2 H	2.3	7.7	1.17 H	15.4	-414.9
Russell Investments	2.1	1.9	4.0	1.7	2.3	1.5	1.9	2.6	6.0	0.1	2.0	7.6	0.94	15.0	-405.0
Economist Intelligence Unit	2.1	2.0	4.1	2.2	2.8	1.5	1.7	5.8	na	0.1	2.0	7.6	0.95	15.2	-386.0
DuPont***	2.0	1.5	3.6	2.1	2.2	1.6	1.9	4.7	5.0	0.1	2.3	7.6	1.00	15.3	-402.0
Macroeconomic Advisers, LLC**	2.0	1.4	3.4	1.6	2.6	0.2	1.9	4.2	-0.8	0.1	na	7.8	1.05	15.7	-398.3
National Assn. of Home Builders	2.0	1.6	3.6	1.9	2.0	1.0	2.0	1.9	7.0 H	0.1	2.2	7.8	0.98	15.1	-398.0
General Motors Corporation	2.0	1.4	3.4	2.0	2.2	2.0 H	1.8	4.6	3.5	0.2	2.2	7.7	1.05	na	-397.5
Credit Suisse	2.0	1.7	3.8	1.4	2.4	na	1.7	5.5	4.7	na	2.0	7.6	0.94	15.3	-396.0
RDQ Economics	2.0	2.1	4.1	2.2	2.3	1.8	1.7	5.2	5.0	0.1	2.3	7.7	1.00	14.5	-394.4
Mesirow Financial	2.0	1.4	3.4	1.6	2.6	0.1	1.8	4.6	-0.6	0.1	2.0	7.8	1.05	15.7	-392.3
Kellner Economic Advisers	2.0	1.8	3.8	2.0	2.2	1.1	1.6	3.9	4.1	0.1	2.0	7.8	0.98	15.3	-390.0
J.W. Coons Advisors	1.9	2.0	4.0	2.1	1.6	1.4	2.3	3.7	4.8	0.2 H	2.1	7.7	0.95	15.0	-440.0
Citigroup U.S. Economics	1.9	na	3.5	1.6	2.4	na	1.9	2.7	na	na	2.1	7.7	na	na	-424.0
Daiwa Capital Markets America	1.9	1.8	3.7	2.1	2.4	0.0 L	2.2	4.5	6.0	0.1	2.2	7.7	0.87	15.3	-420.0
U.S. Chamber of Commerce	1.9	1.7	3.6	2.1	1.6	1.9	2.0	4.8	4.4	0.1	1.8	8.1 H	0.93	na	-414.7
Informum - Univ. of Maryland	1.9	1.9	3.8	2.3	2.7	1.2	1.9	4.3	2.6	0.1	2.2	7.8	1.02	15.0	-409.0
Wells Capital Management	1.9	1.7	3.4	1.8	1.9	1.9	1.9	4.6	2.7	0.2	2.3	7.6	0.89	14.9	-408.0
Pierpont Securities	1.9	2.0	3.9	2.2	1.6	1.8	1.7	4.6	5.0	0.1	2.0	7.7	1.07	15.4	-406.0
Moody's Capital Markets	1.9	1.8	3.8	1.9	3.4	0.8	2.0	3.2	4.2	0.1	2.0	7.7	0.94	15.2	-405.0
Econoclast	1.9	1.7	3.6	2.0	2.5	1.0	1.8	4.1	4.5	0.1	2.2	7.7	0.98	15.1	-396.0
Fannie Mae	1.9	1.6	3.5	1.6	2.5	0.3	1.7	3.8	2.4	0.1	2.1	7.7	0.95	15.9	-393.7
Eaton Corporation	1.9	1.7	3.6	1.9	2.1	1.1	1.7	4.0	5.6	0.1	2.1	8.0	1.01	15.0	-379.9
Bank of Tokyo-Mitsubishi UFJ	1.8	2.1	3.9	1.7	2.4	na	2.1	9.0 H	7.0 H	0.1	2.2	7.4	1.00	15.5	-430.0
Comerica	1.8	1.7	3.5	1.9	3.1	0.2	1.7	4.7	na	0.1	2.0	7.5	0.95	15.3	-410.0
MacroFin Analytics	1.8	1.4	3.2	1.3 L	2.3	1.4	1.8	4.5	5.1	0.1	2.0	7.7	0.85	15.3	-407.8
FedEx Corporation	1.8	1.8	3.6	1.9	2.8	0.9	1.9	4.5	4.8	0.1	2.1	7.8	0.99	15.0	-406.3
Goldman Sachs & Co.**	1.8	1.5	4.3	1.7	1.4	0.8	1.6	5.7	na	0.1	2.0	7.7	1.01	na	-399.5
Wintrust Wealth Management*	1.8	1.9	3.8	3.0 H	3.0	1.2	1.9	4.2	4.7	0.1	2.0	7.7	0.99	15.1	-391.1
UCLA Business Forecasting Proj.*	1.7	1.5	3.2	1.5	1.8	na	2.0	5.2	0.0	0.1	2.1	7.8	0.99	14.9	-437.3
PNC Financial Services Group	1.7	1.8	3.5	2.3	2.5	1.3	1.7	4.4	na	0.1	1.7 L	7.6	0.95	15.0	-417.9
Nomura Securities	1.7	1.7	3.4	1.6	2.1	0.5	1.8	3.3	2.5	0.1	2.3	7.7	1.03	15.1	-413.5
Wells Fargo	1.7	1.9	3.6	1.7	2.4	1.5	1.6	3.7	5.3	0.2	2.1	7.6	0.99	14.8	-366.3
ClearView Economics*	1.6	1.2 L	2.8 L	1.6	1.7	0.5	1.9	3.0	1.3	0.1	1.9	7.7	0.97	15.3	-422.0
Northern Trust Company*	1.6	1.6	3.3	1.6	na	na	1.7	5.0	na	0.1	1.9	7.5	0.97	15.5	-421.2
Conference Board*	1.6	1.6	3.2	2.0	1.3	1.9	1.8	4.9	4.6	0.1	2.1	7.6	1.00	15.4	-415.8
Barclays Capital	1.6	1.7	3.3	1.8	3.0	0.5	1.8	5.7	5.1	0.1	1.7 L	7.4	1.04	na	-402.3
J P Morgan Chase	1.5	1.6	3.1	1.6	2.0	0.5	1.3 L	4.5	3.9	0.1	1.8	7.8	1.10	15.0	-417.3
RBC Capital Markets	1.5	1.6	3.1	1.6	na	na	1.6	3.6	na	0.1	2.3	7.7	0.94	15.1	-399.0
Action Economics	1.4	1.6	3.0	1.9	2.5	1.9	2.6	4.2	3.4	0.1	2.3	7.8	0.98	15.8	-398.4
Bank of America Merrill Lynch	1.4	1.5	3.0	1.6	2.1	na	1.4	4.4	na	0.0 L	2.0	7.6	0.98	15.0	-403.8
Morgan Stanley*	1.4	1.7	3.1	1.8	1.7	0.9	1.4	1.1 L	-1.4 L	0.1	2.0	8.0	0.98	14.4 L	-370.9
Georgia State University*	1.2 L	1.5	2.8 L	1.4	1.7	0.9	1.7	1.6	3.1	-0.1	2.2	7.7	0.84 L	14.7	-365.3 H
2013 Consensus: February Avg.	1.9	1.7	3.7	1.9	2.3	1.1	1.9	4.5	4.0	0.1	2.1	7.7	0.99	15.2	-404.8
Top 10 Avg.	2.4	2.1	4.4	2.4	3.1	1.8	2.3	6.5	6.1	0.2	2.3	7.9	1.09	15.8	-378.8
Bottom 10 Avg.	1.5	1.4	3.1	1.5	1.6	0.3	1.6	2.5	1.1	0.1	1.9	7.5	0.91	14.8	-432.1
January Avg.	2.0	1.8	3.9	1.9	2.3	1.1	1.9	4.0	4.7	0.1	2.0	7.7	0.95	15.0	-397.8
Historical data: 2009	-3.1	0.9	-2.2	-0.4	-11.4	-2.8	-1.9	-18.1	7.5	0.2	3.2	9.3	0.55	10.4	-355.2
2010	2.4	1.3	3.8	1.6	5.4	1.8	1.8	0.7	26.8	0.1	3.2	9.6	0.59	11.6	-419.7
2011	1.8	2.1	4.0	3.2	4.1	1.3	2.5	8.6	7.3	0.1	2.8	9.0	0.61	12.7	-408.0
2012	2.2	1.8	4.0	2.1	3.6	1.5	1.9	7.7	na	0.1	1.8	8.1	0.78	14.4	-405.6
Number Of Forecasts Changed From A Month Ago:															
Down	33	37	37	21	14	18	24	12	22	7	5	12	3	6	35
Same	10	11	10	21	11	10	15	8	13	44	20	24	17	11	6
Up	11	5	7	12	26	18	15	34	8	0	28	18	33	29	13
February Median	1.9	1.7	3.6	1.9	2.4	1.2	1.9	4.5	4.5	0.1	2.1	7.7	0.99	15.2	-404.5
February Diffusion Index	30 %	20 %	22 %	42 %	62 %	50 %	42 %	70 %	34 %	43 %	72 %	56 %	78 %	75 %	30 %

*Former winner of annual Lawrence R. Klein Award for Blue Chip Forecast Accuracy. **Denotes two-time winner. ***Denotes three-time winner.

Hawaii Electric Light Company, Inc.
Calculation of AFUDC on CIS Deferred Costs
Jan-May 31, 2013

Calculation of AFUDC (carrying costs) Jan-May 31, 2013:

AFUDC rates:

<u>AFUDC Equity</u>	<u>AFUDC Debt</u>	<u>AFUDC Total</u>
0.4784%	0.1962%	0.1962%

	<u>Eligible Costs (Note 1)</u>	<u>AFUDC base BOM</u>	<u>AFUDC Equity</u>	<u>AFUDC Debt</u>	<u>AFUDC base EOM</u>
Dec-12	2,476,871				2,476,871
Jan-13		2,476,871	11,849	4,860	2,493,580
Feb-13	-	2,493,580	11,929	4,892	2,510,402
Mar-13	-	2,510,402	12,010	4,925	2,527,337
Apr-13	-	2,527,337	12,091	4,959	2,544,386
May-13	-	2,544,386	12,172	4,992	2,561,551
	<u>-</u>		<u>60,052</u>	<u>24,628</u>	
			<u>84,680</u>		Total AFUDC

Note:

1. The 12/31/12 deferred CIS costs of \$2,477k, shown above, corresponds to the amount to be reported in the CIS final cost report scheduled to be filed on 4/1/13. This amount is approximately \$94k lower than the actual 12/31/12 recorded balance.

Hawaii Electric Light Company, Inc.
Calculation of Amortization of CIS Deferred Costs
2013

Calculation of Amortization of CIS Deferred Costs:

12/31/12 CIS Deferred Costs	\$ 2,476,871	a	<u>Ref:</u>
AFUDC (carrying costs) Jan-May, 2013	84,680	b	HELCO-WP-D1-001, page 1
Total Deferred Costs to Amortize	<u>2,561,551</u>	c = a + b	HELCO-WP-D1-001, page 1
Amortization Period (in months)	<u>144</u>	d	
Monthly Amortization	17,789	e = c / d	
Months to Amortize in 2013 (June - Dec)	<u>7</u>	f	
Amortization for 2013 RAM	<u>\$ 124,520</u>	g = e * f	

Hawaii Electric Light Co., Inc. Accumulated Deferred Income Taxes by Activity FEDERAL DR(CR)		
Description	Actual 12/31/12	
ACCOUNT 282.01:		
1 Accelerated Depreciation	(46,628,325)	
2 Excess AccDep	9,045	
3 Deficit AccDep	(78,191)	
4 Subtotal Utility Depreciation	(46,697,471)	
5 Nonutility Depreciation (excluded from rate base)	2,310,674	
6 TOTAL ACCOUNT 282.01	(44,386,797)	
ACCOUNT 283.01:		
7 ACRS Retirements Gain/(Loss)	(3,891,131)	
8 Bad Debts	447,256	
9 Cap to Construction	(259,113)	
10 Capitalized Interest	3,782,760	
11 Capitalized Interest §481(a) D&T Adj	(355,345)	
12 Capitalized Repairs (asbestos, overhauls)	-	
13 Charitable Contributions Limitation	-	
14 CIAC	14,596,655	
15 CIAC §481(a) adjustment	-	
16 Cost of Removal	(12,827,766)	
17 Customer Advances	4,963,769	
18 CWIP Debt / (AFUDC Debt Incurred)	(2,644,770)	
19 CWIP Debt Transition	23,701	
20 Deferred Compensation (Rest Stock, RSU)	21,031	
21 EICP, LTIP	673,475	
22 EICP §481(a) adjustment	-	
23 Emissions Fees	121,010	
24 Energy Services	(204,926)	
25 FIN 48 - Tax Component	(2)	
26 FIN 48 - Interest Component	-	
27 General/Legal Liability	(44,230)	
28 HIMS A Prem Adj	2,439	
29 Interest - Nondeductible (RAR)	86,232	
30 Keahole Settlement	-	
31 Legal/Consulting Fees (PPA)	539,948	
32 OPEB & Trackers	1,028,491	
33 OPEB Electric Discount Reserve	-	
34 OPEB Executive Life	267,365	
35 Pension, Pension Asset, and Tracker	(4,482,055)	
36 Pension (Supplemental - Non-qualified)	18,772	
37 Percentage Repair Allowance (D&T)	(1,382,375)	
38 Prepaid Expenses	(28,274)	
39 Rate Case	(67,933)	
40 Repairs (PWC)	(11,017,403)	
41 R&D Expense	7,558	
42 Rev Bond Differential	(55,307)	
43 Rev Bond Redemption Prem/Amort	(387,957)	
44 Rewards Programs (merit; fka TIP)	(491,779)	
45 Software - CIS	(321,770)	
46 Software - Other	(380,913)	
47 Solar Saver	300,096	
48 State ITC	4,328,498	
49 Stimulus Funds	-	
50 SunPower for Schools	9,955	
51 Vacation Accrual	(107,630)	
52 Workers Compensation	55,821	
FAS 109: Regulatory Assets/Liabilities		
53 Reg Asset - CWIP Equity Transition	(56,976)	
54 Reg Asset - SFAS 109 Flow Through	(377,002)	

Hawaii Electric Light Co., Inc. Accumulated Deferred Income Taxes by Activity FEDERAL DR(CR)	
Description	Actual 12/31/12
55 Reg Asset - Plant Transition (AFUDC)	(869,877)
56 CWIP Equity Net / (AFUDC Eqty Incurred)	(5,198,377)
57 Reg Asset - CWIP/(AFUDC Eqty Gr Up)	(3,312,652)
58 Fed ITC amort	(884,779)
59 Fed ITC - Reg Liability	1,041,847
60 Reg Asset - Deficit Def - Oth	(24,430)
61 Reg Liab - Excess Def - Oth	13,994
62 Reg Asset - RAR 88-89	2,921
63 AOCI - OPEB benefits - utility	-
64 AOCI - Pension benefits - utility	-
65 AOCI - OPEB benefits - non-utility	(18,943)
66 AOCI - OPEB Exec Life	61,791
67 TOTAL ACCOUNT 283.01	(17,298,330)
68 TOTAL FEDERAL ADIT BEFORE RATE CASE ADJUSTMENTS	(61,685,127)
RATE CASE ADJUSTMENTS:	
69 TOTAL ACCOUNT 283.01	(17,298,330)
70 Bad Debts	447,256
71 Deferred Compensation (Rest Stock, RSU)	21,031
72 EICP	673,475
73 EICP - §481(a) Adjustment	-
74 Energy Services	(204,926)
75 FIN48 Tax and Interest	(2)
76 General/Legal Liability Reserve	(44,230)
77 HMSA Prem Adj	2,439
78 Interest - Nondeductible (RAR)	86,232
79 Keahole Settlement	-
80 OPEB - Electric Discount Reserve	-
81 OPEB - exec life	267,365
82 Pension (Supplemental - Non-qualified)	18,772
83 Rate Case Costs (included in rate base beginning 2009)	-
84 Rewards Program (merit; fka TIP)	(491,779)
85 Solar Saver	300,096
86 Vacation Accrual	(107,630)
87 Workers Comp Reserve	55,821
88 AOCI - OPEB benefits - non-utility	(18,943)
89 AOCI - OPEB Exec Life - non-util	61,791
90 Total Adjustments Account 283	1,066,768
91 TOTAL ACC 283.01 AFTER ADJUSTMENTS	(18,365,098)
92 TOTAL ACC 282.01 - UTIL DEPR ONLY	(46,697,471)
93 TOTAL FEDERAL ADIT AFTER RATE CASE ADJUSTMENTS	(65,062,569)

Hawaii Electric Light Co., Inc. Accumulated Deferred Income Taxes by Activity STATE DR(CR)		Actual 12/31/12
Description		
ACCOUNT 282.01:		
1	Accelerated Depreciation	(2,899,820)
2	Excess AccDep	1,740
3	Deficit AccDep	(14,340)
4	Subtotal Utility Depreciation	(2,912,420)
5	Nonutility Depreciation (excluded from rate base)	561,880
6	TOTAL ACCOUNT 282.01	(2,350,540)
ACCOUNT 283.01:		
7	ACRS Retirements Gain/(Loss)	(719,147)
8	Bad Debts	79,443
9	Cap to Construction	(47,249)
10	Capitalized Interest	733,015
11	Capitalized Interest §481(a) D&T Adj	(92,551)
12	Capitalized Repairs (asbestos, overhauls)	-
13	Charitable Contributions Limitation	
14	CIAC	2,577,421
15	CIAC §481(a) adjustment	-
16	Cost of Removal	(2,346,025)
17	Customer Advances	909,689
18	CWIP Debt / (AFUDC Debt Incurred)	(483,615)
19	CWIP Debt Transition	4,334
20	Deferred Compensation (Rest Stock, RSU)	3,846
21	EICP, LTIP	123,363
22	EICP §481(a) adjustment	-
23	Emissions Fees	22,128
24	Energy Services	(38,083)
25	FIN 48 - Tax Component	2
26	FIN 48 - Interest Component	-
27	General/Legal Liability	(8,087)
28	HMSA Prem Adj	446
29	Interest - Nondeductible (RAR)	9,686
30	Keahole Settlement	-
31	Legal/Consulting Fees (PPA)	92,447
32	OPEB & Trackers	186,810
33	OPEB Electric Discount Reserve	-
34	OPEB Executive Life	48,890
35	Pension, Pension Asset, and Tracker	(819,575)
36	Pension (Supplemental - Non-qualified)	3,433
37	Percentage Repair Allowance (D&T)	(340,303)
38	Preferred Stock Offering	1,103
39	Prepaid Expenses	(5,170)
40	Rate Case	(12,421)
41	Repairs (PWC)	(3,159,436)
42	R&D Expense	1,382
43	Rev Bond Differential	(18,580)
44	Rev Bond Redemption Prem/Amort	(64,949)
45	Rewards Programs (merit, fka TIP)	(89,925)
46	Software - CIS	(19,405)
47	Software - Other	(59,584)
48	Solar Saver	54,875
49	State ITC	791,497
50	Stimulus Funds	-
51	SunPower for Schools	1,819
52	Vacation Accrual	(19,464)
53	Workers Compensation	10,207

Hawaii Electric Light Co., Inc.		
Accumulated Deferred Income Taxes by Activity		
STATE		
DR(CR)		
	Description	Actual 12/31/12
	FAS 109: Regulatory Assets/Liabilities	
54	Reg Asset - CWIP Equity Transition	(10,419)
55	Reg Asset - SFAS 109 Flow Through	(68,938)
56	Reg Asset - Plant Transition (AFUDC)	(159,064)
57	CWIP Equity Net / (AFUDC Eqty Incurred)	(950,560)
58	Reg Asset - CWIP Eqty Gr Up / (AFUDC Eqty Gr Up)	(605,742)
59	Fed ITC amort	(161,788)
60	Fed ITC - Reg Liability	190,510
61	Reg Asset - Deficit Def - Oth	(607)
62	Reg Liab - Excess Def - Oth	2,570
63	Reg Asset - RAR 88-89	534
64	AOCI - OPEB benefits - non-utility	(3,458)
65	AOCI - OPEB Exec Life	11,296
66	TOTAL ACCOUNT 283.01	(4,443,399)
67	TOTAL STATE ADIT BEFORE RATE CASE ADJUSTMENTS	(6,793,939)
	RATE CASE ADJUSTMENTS:	
68	TOTAL ACCOUNT 283.01	(4,443,399)
69	Bad Debts	79,443
70	Deferred Compensation	3,846
71	EICP	123,363
72	EICP - §481(a) Adjustment	-
73	Energy Services	(38,083)
74	FIN48	2
75	General/Legal Liability Reserve	(8,087)
76	HMSA Prem Adj	446
77	Interest - Nondeductible (RAR)	9,686
78	Keahole Settlement	-
79	OPEB - Electric Discount Reserve	-
80	OPEB - excc life	48,890
81	Pension (Supplemental - Non-qualified)	3,433
82	Rate Case Costs (included in rate base beginning in 2009)	
83	Rewards Programs (merit; Ika TIP)	(89,925)
84	Solar Saver	54,875
85	Vacation Accrual	(19,464)
86	Workers Comp Reserve	10,207
87	AOCI - OPEB benefits - non-utility	(3,458)
88	AOCI - OPEB Exec Life - non-util	11,296
89	Total Adjustments Account 283	186,470
90	TOTAL ACC 283.01 AFTER ADJUSTMENTS	(4,629,869)
91	TOTAL ACC 282.01 - UTIL DEPR ONLY	(2,912,420)
92	TOTAL STATE ADIT AFTER RATE CASE ADJUSTMENTS	(7,542,289)

HAWAII ELECTRIC LIGHT COMPANY, INC.
CALCULATION OF COMPOSITE EFFECTIVE INCOME TAX RATES
FEDERAL AND STATE

COMPOSITE FEDERAL AND STATE EFFECTIVE INCOME TAX RATE

Federal Effective Income Tax Rate	32.8947368%
State Effective Income Tax Rate	6.0150376%
	<u>38.9097744%</u>

CALCULATION OF EFFECTIVE RATES

Assumptions: ST = State Income Tax Expense
FT = Federal Income Tax Expense
Pre-Tax Income = \$1.00
State Statutory Income Tax Rate = 6.4% *
Federal Statutory Income Tax Rate = 35% **

Calculation of State Effective Income Tax Rate

$$\begin{aligned} \text{State Income Tax Expense} &= \text{Statutory Rate} \times (\text{Pre-Tax Income} - \text{State Income Tax Expense}) \\ \text{ST} &= .064 \times (1 - \text{ST}) \\ \text{ST} &= .064 - .064(\text{ST}) \\ 1.064(\text{ST}) &= .064 \\ \text{ST} &= .060150376 \text{ or } 6.0150376\% \text{ of Pre-Tax Income} \end{aligned}$$

Calculation of Federal Effective Income Tax Rate

$$\begin{aligned} \text{Federal Income Tax Expense} &= \text{Statutory Rate} \times (\text{Pre-Tax Income} - \text{State Income Tax Expense}) \\ \text{FT} &= .35 \times (1 - \text{ST}) \\ \text{FT} &= .35 \times (1 - .060150376) \\ \text{FT} &= .35 - .0210526316 \\ \text{FT} &= .328947368 \text{ or } 32.8947368\% \text{ of Pre-Tax Income} \end{aligned}$$

* Hawaii Revised Statutes §235.71 was amended for tax years beginning after 1986.

** The Revenue Reconciliation Act of 1993 changed the federal tax rate for tax years beginning on or after January 1, 1993.

HAWAII ELECTRIC LIGHT COMPANY, INC.
TAX REPAIRS ADJUSTMENT
2013

			A	B	C = A x B	D = A - C
	HELCO-WP-F1-002	NOTE 2		HELCO-WP-F1-001, pg 2		
Life	5-Year Average	5-Year Avg Allocation	Allocated Plant Adds	Repairs Allocation	Repairs Deduction	Depreciable Basis
Communication	20	1,352,664				
Comp/Off/Furn/Tools	7	1,452,199				
Distribution	20	24,138,023	24,138,023	22.44%	5,415,633	18,722,390
Land	-	65,876				
Non-Steam Production	15	1,140,157	1,140,157		-	1,140,157
Steam Production	20	1,506,444	1,506,444		-	1,506,444
Structural	39	589,347				
Transmission	15	5,742,192	5,742,192	30.22%	1,735,433	4,006,759
Vehicles	-	2,207,179				
TOTAL	<u>38,194,081</u>	<u>0.00%</u>	<u>32,526,816</u>		<u>7,151,066</u>	<u>25,375,750</u>
	<i>from D2</i>				<i>to F1</i>	

NOTE 1> This schedule computes the estimated amount of deductible tax repairs related to the baseline plant additions for the RAM year. The deductible tax repairs amounts are carried forward to Schedule F1 and serve to reduce the depreciable tax basis for the baseline plant additions. The repairs percentages (Column B) are calculated on HELCO-WP-F1-001, page 2.

NOTE 2> This allocation is no longer required because the 5 year average of additions is only baseline plant additions (excluding major additions). Previously we began with total plant additions, computed the allocation percentages, and then applied these percentages to the total RAM year baseline additions. By starting with the average baseline plant additions, the need for this allocation is eliminated.

HAWAII ELECTRIC LIGHT COMPANY, INC.
REPAIRS DEDUCTION
5-Year Average
2008-2012

		<u>DISTRIBUTION</u>	<u>TRANSMISSION</u>
Repairs %:			
Total Book Basis Repairs			
1	2008	5,775,368	1,653,826
2	2009	6,298,901	1,728,914
3	2010	6,211,019	1,295,633
4	2011	3,725,094	3,520,487
5	2012	6,634,698	478,303
6	Total	<u><u>28,645,079</u></u>	<u><u>8,677,163</u></u>
Total Book Additions			
7	2008 HELCO-WP-F1-002	33,406,769	5,842,586
8	2009 HELCO-WP-F1-002	23,930,054	3,843,148
9	2010 HELCO-WP-F1-002	18,628,105	4,973,012
10	2011 HELCO-WP-F1-002	22,501,376	5,350,783
11	2012 HELCO-WP-F1-002	29,207,699	8,701,432
12	Total	<u><u>127,674,003</u></u>	<u><u>28,710,961</u></u>
AVERAGE % (Line 6 / Line 12)		22.44%	30.22%
		to HELCO-WP-F1-001, pg.1	to HELCO-WP-F1-001, pg.1

NOTE 1> Price Waterhouse Coopers assisted HELCO in its analysis of identifying deductible repairs for tax accounting purposes. The repairs percentage for each functional group represents the five year weighted average of repairs costs included in book additions.

HAWAII ELECTRIC LIGHT COMPANY, INC
 2008-2012 PLANT ADDITIONS
 5-YEAR AVERAGE

LIFE	2008	2009	2010	2011	2012	Less:		5-Year Average
						Major Projects	Total	
20	1,627,588	584,306	2,459,597	949,504	1,142,345			6,763,320
7	883,598	1,214,822	1,570,016	1,814,344	1,778,213			7,260,993
20	33,406,769	23,930,054	18,628,105	22,501,376	29,207,699	(6,983,886)		120,690,117
-	129,122	126,415	(564)	74,405	-			329,379
15	1,083,630	102,717	8,765,286	2,868,284	761,331	(7,880,461)		5,700,787
20	1,483,852	92,064,907	1,931,505	2,321,466	1,319,240	(91,588,750)		7,532,220
39	673,398	220,170	604,529	225,736	1,222,905			2,946,737
15	5,842,586	3,843,148	4,973,012	5,350,783	8,701,432			28,710,961
-	968,718	3,269,671	1,809,923	3,136,760	1,850,826			11,035,897
TOTAL	46,099,241	125,356,210	40,741,409	39,242,658	45,983,990	(106,453,097)		190,970,411

HELCO-WP-F1-002
 (WITH SETTLEMENT)
 PAGE 1 OF 1

	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Hawai Electric Light Co., Inc.																	
AMORTIZATION OF CIAC																	
Note: \$2.42 in-kind of \$7,041,723 in booked in 82 gross additions per q. This schedule reflects 93 additions by this amount and allocates it to the 1973-1989 vintage years.																	
1972	3,103,239.10	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00	103,441.00
1973	639,367.37	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00	31,312.00
1974	247,699.25	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00	8,257.00
1975	613,829.63	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00	20,464.00
1976	544,761.36	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00	18,156.00
1977	628,652.78	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00	12,286.00
1978	628,523.75	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36	17,173.36
1979	762,240.06	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75	21,282.75
1980	1,704,367.84	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00	25,408.00
1981	1,041,071.19	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00	56,812.00
1982	553,278.19	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00	34,702.00
1983	2,796,254.45	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05	16,230.05
1984	3,000,066.64	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00	92,875.00
1985	1,987,131.16	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00	46,337.00
1986	1,984,328.51	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56	118,441.56
1987	736,381.00																
1988	2,722,868.63																
1989	670,156.00																
1990	7,042,407.67																
1991	2,376,246.00																
1992	1,867,534.00																
1993	2,761,467.08																
1994	1,136,406.00																
1995	2,626,121.84																
1996	3,516,357.70																
1997	2,267,042.68																
1998	3,729,548.77																
1999	1,698,803.39																
2000	6,803,506.36																
2001	4,676,428.42																
2002	3,663,031.81																
2003	3,650,226.55																
2004	4,656,072.23																
2005	2,096,127.85																
2006	4,057,638.36																
2007	6,267,080.96																
2008	5,424,038.36																
2009	7,183,174.27																
2010	6,336,732.96																
2011	6,956,026.35																
2012	10,663,787.17																
GL balance	3,939,165.47	134,754.00	143,010.00	163,438.35	181,653.36	193,626.78	211,054.38	232,287.75	251,772.08	314,581.84	348,207.19	365,516.05	462,563.50	573,586.33	688,452.56	743,906.51	
		4,052,110.72	4,523,020.35	4,904,303.26	5,081,332.78	5,412,183.38	5,639,612.75	6,369,405.06	7,816,080.64	8,542,980.19	8,745,339.10	11,186,287.50	12,081,822.64	13,454,263.52	16,483,786.77	17,438,659.70	19,418,670.02

Year	2002	2008	2009	2010	2011	2011	2011	2012	2013	2014	2015	2017	2018	2020
1972	3,100,298.10													
1973	539,867.37													
1974	247,899.25													
1975	613,029.83													
1976	544,781.38													
1977	368,885.78													
1978	514,794.38													
1979	2,286.00													
1980	793,943.68													
1981	1,041,877.84													
1982	1,041,877.19													
1983	562,278.10													
1984	2,788,284.45													
1985	1,300,988.64													
1986	1,862,847.28													
1987	1,862,847.28													
1988	1,862,847.28													
1989	1,862,847.28													
1990	1,862,847.28													
1991	1,862,847.28													
1992	1,862,847.28													
1993	1,862,847.28													
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2009	1,862,847.28													
2010	1,862,847.28													
2011	1,862,847.28													
2012	1,862,847.28													
2013	1,862,847.28													
2014	1,862,847.28													
2015	1,862,847.28													
2017	1,862,847.28													
2018	1,862,847.28													
2020	1,862,847.28													
GR Balance	63,002,079.39	65,957,768.18	69,365,637.95	72,040,639.75	74,715,591.59	77,390,543.43	80,065,495.27	82,740,447.11	85,415,398.95	88,090,350.79	90,765,302.63	93,440,254.47	96,115,206.31	98,790,158.15

HELCO Electric Light Co., Inc.
AMORTIZATION OF CIAC

Note: The \$2.16 in excess of \$7,041,723.14 booked in 83 years remains per 01. This schedule reduces \$5 additional by proper village years.

Accretion earned charges to 41 years per Dkt. 2008-0321 effective 1/1/11

13 days only

amortizable balance 1/1/2011

2011

2012

2013

2014

2015

2017

2018

2020

GR Balance

63,002,079.39

65,957,768.18

69,365,637.95

72,040,639.75

74,715,591.59

77,390,543.43

80,065,495.27

82,740,447.11

85,415,398.95

88,090,350.79

90,765,302.63

93,440,254.47

96,115,206.31

98,790,158.15

101,465,110.00

104,140,061.84

	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	
Helios Electric Light Co., Inc.																			
AMORTIZATION OF CIAC																			
Note: 84-82 as-imp of 27,081,723 is based on 1993 gross accounts per GL. The schedule is based on 1993 additions by the schedule and 1993 additions to the proper vintage years.																			
1972	3,103,239.10																		
1973	2,472,789.25																		
1974	2,472,789.25																		
1975	613,929.83																		
1976	544,781.38																		
1977	514,784.38																		
1978	538,522.75																		
1979	538,522.75																		
1980	1,704,367.84	4,568.00																	
1981	1,041,071.19	5,244.00	159.46	183.11	137.17														
1982	552,276.10	3,898.00	3,898.00	24,547.00	24,547.00	137.17													
1983	2,786,284.45	24,547.00	24,547.00	14,376.00	14,376.00	14,376.00	875.75												
1984	1,390,098.94	14,376.00	14,376.00	21,787.00	21,787.00	21,787.00	21,787.00												
1985	1,862,947.28	21,787.00	21,787.00	21,787.00	21,787.00	21,787.00	21,787.00												
1986	1,664,326.91	21,787.00	21,787.00	21,787.00	21,787.00	21,787.00	21,787.00												
1987	738,981.00	10,341.00	10,341.00	10,341.00	10,341.00	10,341.00	10,341.00												
1988	2,722,866.83	40,681.00	40,681.00	40,681.00	40,681.00	40,681.00	40,681.00												
1989	870,156.00	13,001.00	13,001.00	13,001.00	13,001.00	13,001.00	13,001.00												
1990	7,042,407.67	111,366.00	111,366.00	111,366.00	111,366.00	111,366.00	111,366.00												
1991	2,376,746.00	37,584.00	37,584.00	37,584.00	37,584.00	37,584.00	37,584.00												
1992	1,652,937.61	32,527.00	32,527.00	32,527.00	32,527.00	32,527.00	32,527.00												
1993	8,261,467.86	143,251.00	143,251.00	143,251.00	143,251.00	143,251.00	143,251.00												
1994	1,134,406.00	19,740.00	19,740.00	19,740.00	19,740.00	19,740.00	19,740.00												
1995	2,826,121.64	47,286.00	47,286.00	47,286.00	47,286.00	47,286.00	47,286.00												
1996	3,516,531.70	65,475.00	65,475.00	65,475.00	65,475.00	65,475.00	65,475.00												
1997	2,297,042.08	44,089.00	44,089.00	44,089.00	44,089.00	44,089.00	44,089.00												
1998	1,889,876.56	38,349.00	38,349.00	38,349.00	38,349.00	38,349.00	38,349.00												
1999	6,603,506.39	138,146.00	138,146.00	138,146.00	138,146.00	138,146.00	138,146.00												
2000	4,678,429.42	100,432.00	100,432.00	100,432.00	100,432.00	100,432.00	100,432.00												
2001	3,952,031.81	86,326.00	86,326.00	86,326.00	86,326.00	86,326.00	86,326.00												
2002	3,690,226.55	81,873.00	81,873.00	81,873.00	81,873.00	81,873.00	81,873.00												
2003	4,864,072.23	109,330.00	109,330.00	109,330.00	109,330.00	109,330.00	109,330.00												
2004	2,796,127.86	63,817.00	63,817.00	63,817.00	63,817.00	63,817.00	63,817.00												
2005	3,532,229.82	81,671.00	81,671.00	81,671.00	81,671.00	81,671.00	81,671.00												
2006	6,057,938.36	141,703.00	141,703.00	141,703.00	141,703.00	141,703.00	141,703.00												
2007	6,297,990.96	148,945.00	148,945.00	148,945.00	148,945.00	148,945.00	148,945.00												
2008	5,424,008.38	153,541.00	153,541.00	153,541.00	153,541.00	153,541.00	153,541.00												
2009	6,382,732.46	154,807.00	154,807.00	154,807.00	154,807.00	154,807.00	154,807.00												
2010	6,565,026.33	169,706.00	169,706.00	169,706.00	169,706.00	169,706.00	169,706.00												
2011	10,663,787.17	260,092.00	260,092.00	260,092.00	260,092.00	260,092.00	260,092.00												
2012																			
GL balance	146,264,051.74	2,766,490.00	2,756,063.46	2,752,919.17	2,729,110.75	2,714,377.86	2,697,853.24	2,682,513.57	2,614,472.12	2,414,918.82	2,560,494.12	2,414,918.82	2,309,964.57	2,148,468.10	2,097,074.59	2,032,243.01	1,987,408.54	1,924,449.10	

HAWAII ELECTRIC LIGHT COMPANY, INC.
AVERAGE RATE BASE
2012
(\$ in Thousands)

	<u>12/31/2012</u>	<u>12/31/2011</u>	<u>Average</u>
<u>Investments in Assets Serving Customers</u>			
Net Cost of Plant in Service	\$ 589,165	\$ 576,059	\$ 582,612
Fuel Inventory	\$ 15,485	\$ 19,217	\$ 17,351
Materials & Supplies Inventories	\$ 5,356	\$ 4,377	\$ 4,867
Unamortized Net SFAS 109 Regulatory Asset	\$ 11,594	\$ 11,624	\$ 11,609
Pension Reg Asset	\$ 9,418	\$ 6,319	\$ 7,869
Pension Asset	\$ 1,160	\$ 1,712	\$ 1,436
Contributions in Excess of NPPC Regulatory Asset	\$ 3,047	\$ 3,047	\$ 3,047
Unamort Sys Dev Costs	\$ 3,752	\$ 1,316	\$ 2,534
ARO Reg Asset	\$ 200	\$ 205	\$ 203
Working Cash	\$ 7,303	\$ 7,532	\$ 7,418
Total Investment in Assets	<u>\$ 646,480</u>	<u>\$ 631,408</u>	<u>\$ 638,944</u>
<u>Funds from Non-Investors</u>			
Unamortized CIAC	\$ 84,799	\$ 76,642	\$ 80,721
Customer Advances	\$ 16,376	\$ 20,536	\$ 18,456
Customer Deposits	\$ 3,419	\$ 2,944	\$ 3,182
Accumulated Deferred Income Taxes	\$ 72,637	\$ 64,627	\$ 68,632
Unamort State ITC	\$ 13,159	\$ 12,637	\$ 12,898
OPEB Regulatory Liability	\$ 538	\$ 633	\$ 586
Total Deductions	<u>\$ 190,928</u>	<u>\$ 178,019</u>	<u>\$ 184,474</u>
Average Rate Base	\$ 455,552	\$ 453,389	\$ 454,471
Rounding Balance			1
Average Rate Base per Sch H			\$ 454,472

HAWAII ELECTRIC LIGHT COMPANY, INC.
Rate-making Adjustments for Incentive Compensation and Other Non-Recoverable Expenses
2012

<u>Account/Activity No.</u>	<u>Description</u>	<u>YTD</u>	<u>Net of Tax</u>	<u>Rounded 000s</u>
H9P 723 HEL NE NHAPRESI 900	LTIP expense (credit)	\$ 10,683		
H9P 723 HEL NE NHAPRESI 900	EICP expense (credit)	\$ 87,243		
H9P 700 HEL NE NHAPRESI 901	Other incentive awards	\$ 89,191		
H9P 723 HEL NE NHAPRESI 900	Manager Award	\$ 22,882		
PWO AD 0000024	SPOT Awards	\$ 123,942		
	Payroll Taxes related to incentive compensation	\$ 18,076		
	HEI charges for incentive compensation	\$ 20,978	\$ 227,863	Incentive \$ 228
P#R0001202 & HECO P#R0005162	Executive life insurance	\$ (27,493)		
	Company memberships (portion of EEI dues related to EEI's Government Affairs group, Communication, Marketing, Customer, and Employee Relations group)	\$ 16,976		
	HEIRS 401K	\$ 10,062		
	Service awards	\$ 10,539		
HNP 779 HEL NE NHNZZZZZ 501	Non-qual pension	\$ (3,852)		
HNP 779 HEL NE NHNZZZZZ 501	OPEB (Executive life portion only)	\$ 98,318		
	BU/Mgmt Increase	\$ 611,900		
	Employee Benefits Disallowance (Mgmt Only)	\$ 286,149	\$ 608,398	Other \$ 608
	Total adjustment to operating income	\$ 1,375,595		
	Tax on adjustments	\$ (539,333)		
	Net adjustment to operating income	\$ 836,261	\$ 836,261	\$ 836

HAWAII ELECTRIC LIGHT COMPANY, INC.
Income Tax On Items To Be Replaced By Synchronized Interest
2012
(\$ in Thousands)

	<u>Source</u>	<u>YTD</u>	
Total Interest Charges	PUC report, p. 1	\$ 12,064	
Less: Int on Customer Deposits	Account 43105000	\$ (185)	
AFUDC-Debt	NARUC 420030	\$ (235)	
Amort of Inv Inc Differential	NARUC 403030	\$ (9)	← Line 2c
		\$ 11,635	
	Tax rate	38.9097744%	
		<u>\$ 4,527</u>	← Line 2d

HAWAII ELECTRIC LIGHT COMPANY, INC.
Ratemaking Capitalization
2012
(\$ in Thousands)

	Simple Average Balance*	Ratios	Cost Rate	Weighted Cost of Debt
Short-Term Debt	\$ -	0.00%	0.00%	0.00%
Long-Term Debt	\$ 192,875	39.87%	5.80%	2.31%
Hybrid Securities	\$ 9,370	1.94%	7.32%	0.14%
Preferred Stock	\$ 6,653	1.38%	8.25%	0.11%
Common Equity	\$ 274,850	56.82%	10.00%	5.68%
	\$ 483,748	100.00%		8.25%

	NARUC/ GL Code	YTD Dec 2012 (\$000s)	Cost Rate
Short-Term Debt:			
430	430	\$ -	
Less: Interest on QUIDS		\$ -	
Int Exp-Commercial Paper	43100000	\$ -	
Int Exp-SCF Loans	43108000	\$ -	
Int Inc-Assoc Cos.	419300	\$ -	
		\$ -	0.00%
Long-Term Debt:			
Amort of Debt Disc & Exp	428	\$ 479	
Less: Hybrid Sec Amort of Iss Exp		\$ (36)	
Interest on Long-Term Debt	427	\$ 10,749	
Amort Inv Inc Differential	403030	\$ (9)	
		\$ 11,183	5.80%
Hybrid Securities:			
Interest on QUIDS	43006000	\$ 650	
Amort Exp-QUID1 Iss Exp	428QUID1	\$ 13	
Amort Exp-QUID2 Iss Exp	428QUID2	\$ 13	
Amort Exp-QUID3 Iss Exp	428QUID3	\$ 10	
Equity in Net Inc of Trust	421070	\$ -	
		\$ 686	7.32%
Preferred Stock:			
Amort of Pfd Stk Iss Exp	42501000	\$ 15	
Preferred Stock dividends	437	\$ 534	
		\$ 549	8.25%

* Short-Term Debt based on a 12 month average.

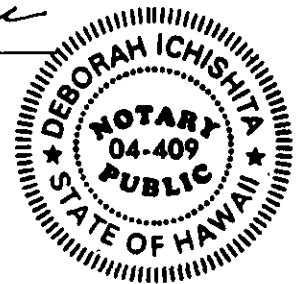
VERIFICATION

STATE OF HAWAII)
)
CITY AND COUNTY OF HONOLULU) ss.

Tayne S. Y. Sekimura, being first duly sworn, deposes and says: That she is the Financial Vice President of Hawaii Electric Light Company, Inc., Applicant in the above proceeding; that she makes this verification for and on behalf of Hawaii Electric Light Company, Inc., and is authorized so to do; that she has read the foregoing Application, and knows the contents thereof; and that the same are true of her own knowledge except as to matters stated on information or belief, and that as to those matters she believes them to be true.

Tayne S. Y. Sekimura

Tayne S. Y. Sekimura

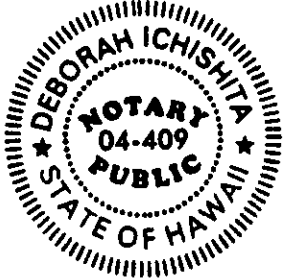


Subscribed and sworn to before me this 28th day of March, 2013.

Deborah Ichishita

DEBORAH ICHISHITA
Notary Public, State of Hawaii
My Commission expires July 18, 2016

STATE OF HAWAII NOTARY CERTIFICATION	
Doc. Date: <u>3/28/2013</u>	# of pages <u>79</u>
Notary Name: DEBORAH ICHISHITA First Circuit	
Doc. Description: <u>HELCO Application</u>	
Transmittal No. <u>13-02 (Decoupling)</u>	
<u><i>Deborah Ichishita</i></u>	<u>3/28/13</u>
Notary Signature	Date



CERTIFICATE OF SERVICE

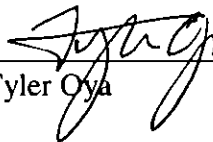
I hereby certify that the foregoing Transmittal No. 13-02 was served on the date of filing
by hand delivery, as indicated below.

Jeffrey T. Ono
Executive Director
Division of Consumer Advocacy
Department of Commerce and Consumer Affairs
335 Merchant Street, Room 326
Honolulu, Hawaii 96813

2 copies
via Hand Delivery

Dated: Honolulu, Hawaii, March 28, 2013.

HAWAIIAN ELECTRIC COMPANY, INC.


Tyler Oya