

JANUARY 6, 2016

**TO**  
 Ed Murray, Mayor  
 Seattle City Council

**FROM**   
 James L. Baggs, General Manager and CEO

**SUBJECT**  
 Financial Update – November 2015

This memo provides an analysis of Seattle City Light's financial condition and operating results through November 30, 2015. The attached Income Statement Analysis, which is summarized in the table below, provides a summary of how City Light performed year-to-date in 2015 compared to the same period the previous year and the 2015 Financial Plan. In addition, we have provided a forecast of City Light's financial results through December 2015 compared to the 2015 Financial Plan. The 2015 Financial Plan is based on the revenue and expense projections included in the adopted budget for 2015.

**FINANCIAL HIGHLIGHTS**  
**November 30, 2015**

\$ in millions	YTD Actuals		YTD	Full Year 2015		Forecast Change from Prior
	2015	2014	Plan	Forecast	Plan	
Retail Power Revenues <sup>(1)</sup>	\$ 659.9	\$ 657.1	\$ 696.3	\$ 739.1	\$ 775.8	\$ (4.8)
Wholesale Energy Sales (net) <sup>(2)</sup>	\$ 35.2	\$ 79.0	\$ 60.7	\$ 39.4	\$ 65.0	\$ 3.2
Power O&M (net)	\$ (229.8)	\$ (228.3)	\$ (243.3)	\$ (260.1)	\$ (271.9)	\$ (1.3)
Non Power O&M (net)	\$ (200.3)	\$ (188.7)	\$ (197.4)	\$ (227.7)	\$ (223.0)	\$ (2.7)
RSA Transfers (net) <sup>(3)</sup>	\$ 24.1	\$ (0.8)	\$ (1.2)	\$ 22.8	\$ (1.3)	\$ (3.4)
Taxes, Depreciation & Other	\$ (207.4)	\$ (204.5)	\$ (213.3)	\$ (211.3)	\$ (214.8)	\$ 0.9
<b>Net Income</b> <sup>(4)</sup>	<b>\$ 81.7</b>	<b>\$ 113.8</b>	<b>\$ 101.9</b>	<b>\$ 102.3</b>	<b>\$ 129.8</b>	<b>\$ (1.9)</b>
Operating Cash	\$ 109.5	\$ 99.3	\$ 175.3	\$ 103.0	\$ 179.4	\$ (6.5)
Construction Account - Restricted	\$ 173.1	\$ 170.2	\$ 59.7	\$ 126.0	\$ 16.2	\$ 9.2
Rate Stabilization Account	\$ 90.3	\$ 110.8	\$ 115.5	\$ 91.5	\$ 115.6	\$ 3.4
Bond Reserve	\$ 63.7	\$ 47.8	\$ 69.9	\$ 73.7	\$ 79.9	\$ 0.1
Other Restricted Assets	\$ 13.7	\$ 21.5	\$ 14.5	\$ 8.9	\$ 16.4	\$ (1.9)
<b>Total Cash</b>	<b>\$ 450.2</b>	<b>\$ 449.6</b>	<b>\$ 435.0</b>	<b>\$ 403.1</b>	<b>\$ 407.5</b>	<b>\$ 4.2</b>
Debt Coverage Ratio	n/a	n/a	n/a	1.69	1.80	0.00
Debt to Capitalization Ratio	60.4%	60.1%	60.0%	64.9%	59.6%	0.0%

(1) Retail power revenues include revenues such as Green Power Program and power factor charges.

(2) Revenue from wholesale sales, before booked out long term purchases.

(3) Transfers from the RSA less transfers to the RSA.

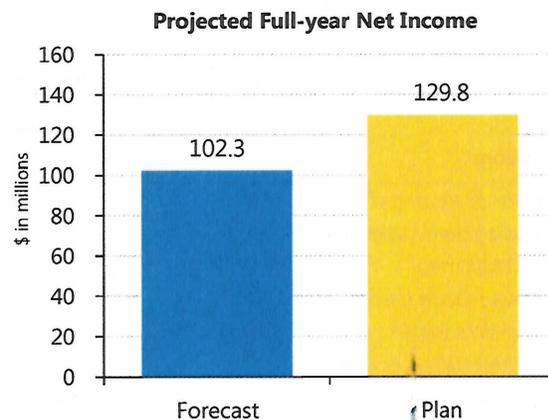
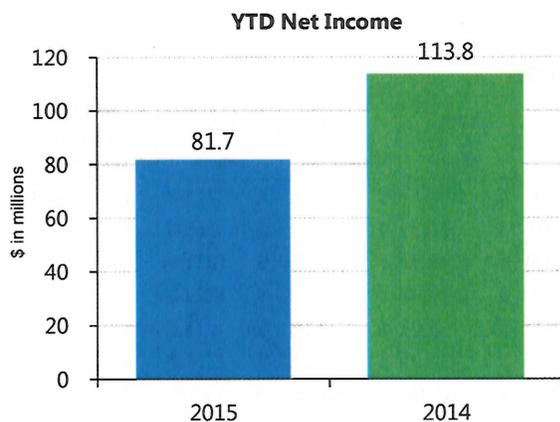
(4) Assumes sale of 8<sup>th</sup> & Roy Street property in 2016.

### YEAR-TO-DATE NET INCOME, RELATIVE TO 2014

As indicated in the table on the previous page and in the charts below, net income for the period ending November 30, 2015 was \$81.7 million, which is \$32.1 million or 28.2% unfavorable compared to the same time period in 2014. The unfavorable variance was driven by a lower RSA Baseline in 2015 vs. 2014 (\$65M vs \$85M), which led to less NWR revenue being recognized after RSA transfers and an increase in General & Administrative expenses driven by an increase in salaries and related benefits due to lower vacancy rates. The increase in retail power revenues due to the 4.2% system average rate increase effective January 1, 2015 was almost entirely offset by a decline in consumption driven by unseasonably warm weather throughout most of 2015.

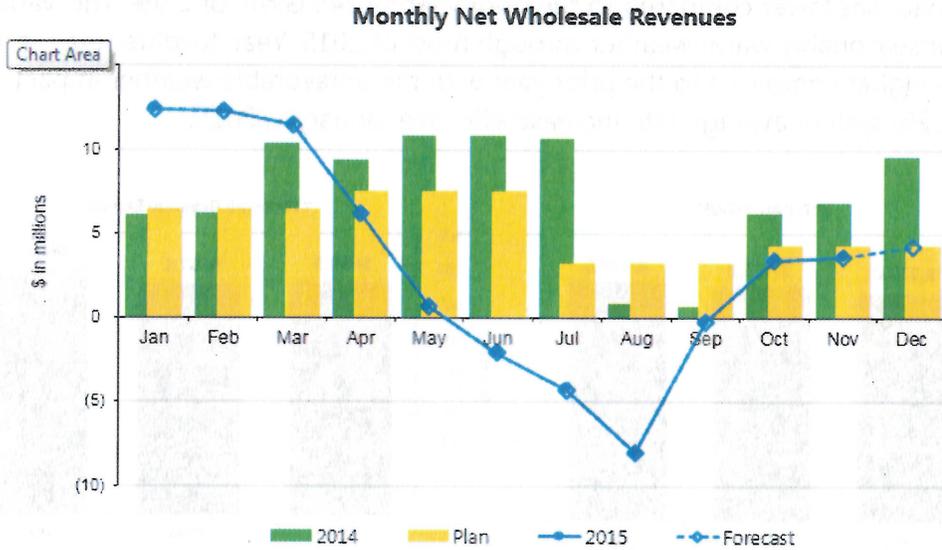
### PROJECTED YEAR-END NET INCOME, RELATIVE TO PLAN

Projected net income for 2015 is \$102.3 million, which is \$27.5 million, or 21.2% unfavorable compared to the 2015 Financial Plan of \$129.8 million. The primary drivers of the unfavorable variance include the shift of the 8<sup>th</sup> & Roy Street property sale from 2015 to 2016 and the shortfall in retail power revenue. The unfavorable impact was partially offset by higher than planned CIAC due to expected early electrification of the Shoreline suburban undergrounding project, expedited work schedules on network additions and faster growth in medium general service connections as well as lower than planned interest expense due to higher AFUDC charged to capital projects.



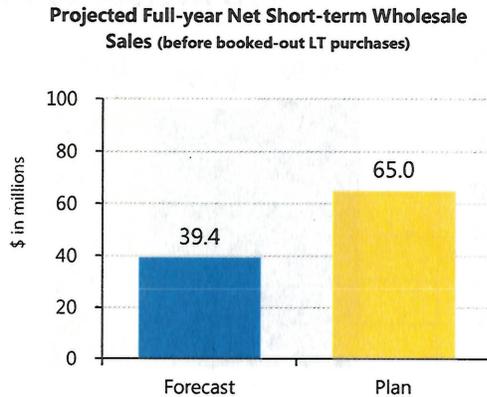
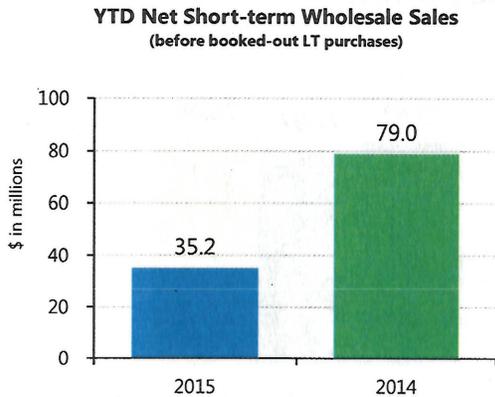
**NET SHORT-TERM WHOLESALE ENERGY**

November net wholesale revenues were \$3.6 million, down \$3.2 million or 46.8% from the prior year. The decline was driven by a combination of warmer than normal temperatures in early 2015 that accelerated snow melt and pulled volume forward from future months, lower than normal spring precipitation and the above average temperatures since May that increased evaporation.



November 2015 year-to-date net wholesale revenues of \$35.2 million decreased \$43.8 million or 55.4% from 2014 driven by a decline in both average sales price and volume (-18.4%, -13.5%) combined with an increase in both average purchase price and volume (+8.9% and +46.6%). Additional short-term energy purchased as a result of the Goodell Creek Fire accounted for approximately \$1 million of the variance.

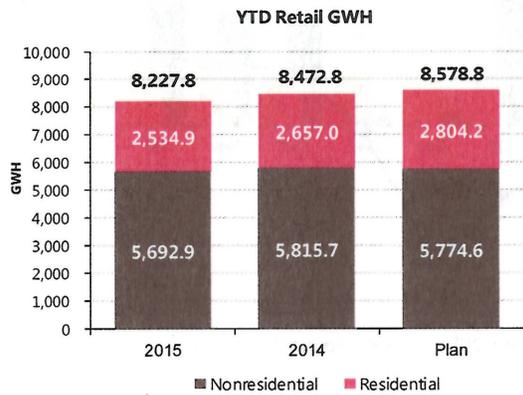
The current estimate for full-year 2015 net wholesale revenue is \$39.4 million, which is \$25.6 million or 39.4% lower than the 2015 RSA Baseline of \$65.0 million. The projections for net short-term wholesale energy sales change weekly due to changes in water conditions, economic factors such as the price of natural gas, system load and the availability of surplus energy for resale.



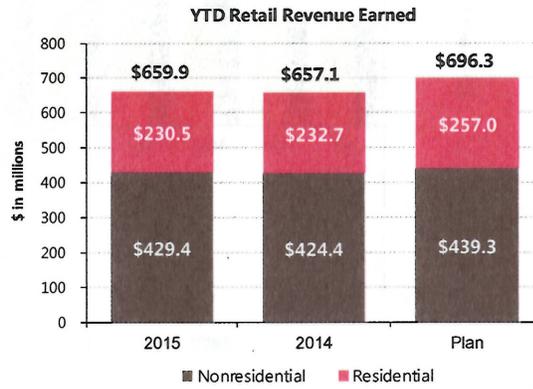
**RETAIL POWER REVENUES**

Year-to-date total load was lower than planned by 351 GWh, or 4.1%. Excluding the impact of the record warm weather this year (less heating load), total load variance to Plan would have been unfavorable by only 185 GWh, or 2.2%. The weather similarly impacted year-to-date retail revenue, which was lower than planned by \$36.5 million, or 5.2%.

Year-to-date total load was lower compared to the prior year by 245 GWh, or 2.9%. This variance was also driven by the unseasonably warm weather through most of 2015. Year-to-date retail revenue was \$2.8 million or 0.4% higher compared to the prior year with the unfavorable weather impact being more than offset by the 4.2% system average rate increase effective January 1, 2015.



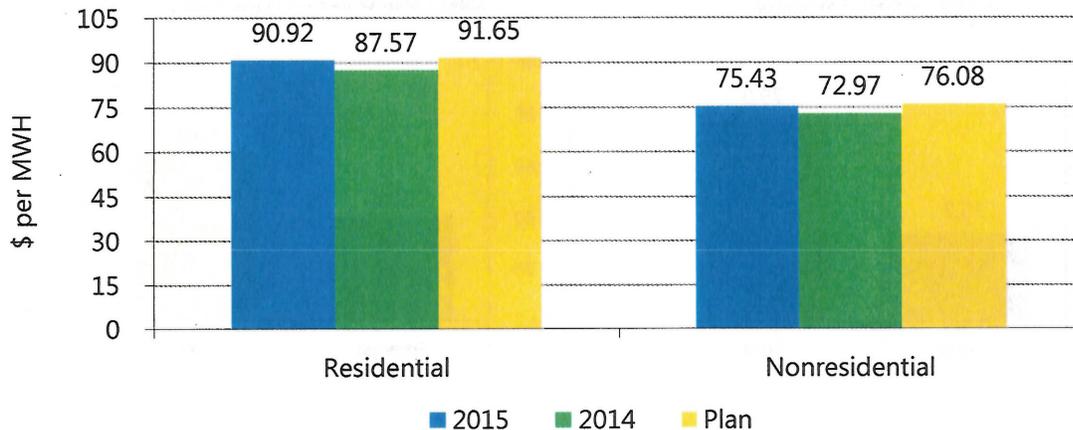
	YTD Retail GWh		
	Nonresidential	Residential	Total
2015 vs. 2014	-2.1%	-4.6%	-2.9%
2015 vs. Plan	-1.4%	-9.6%	-4.1%



	YTD Retail Revenue		
	Nonresidential	Residential	Total
2015 vs. 2014	1.2%	-1.0%	0.4%
2015 vs. Plan	-2.3%	-10.3%	-5.2%

The actual average earned rate per MWh for residential and nonresidential customers is different from what was expected in the 2015 Plan due to slight differences in assumed versus actual patterns of consumption.

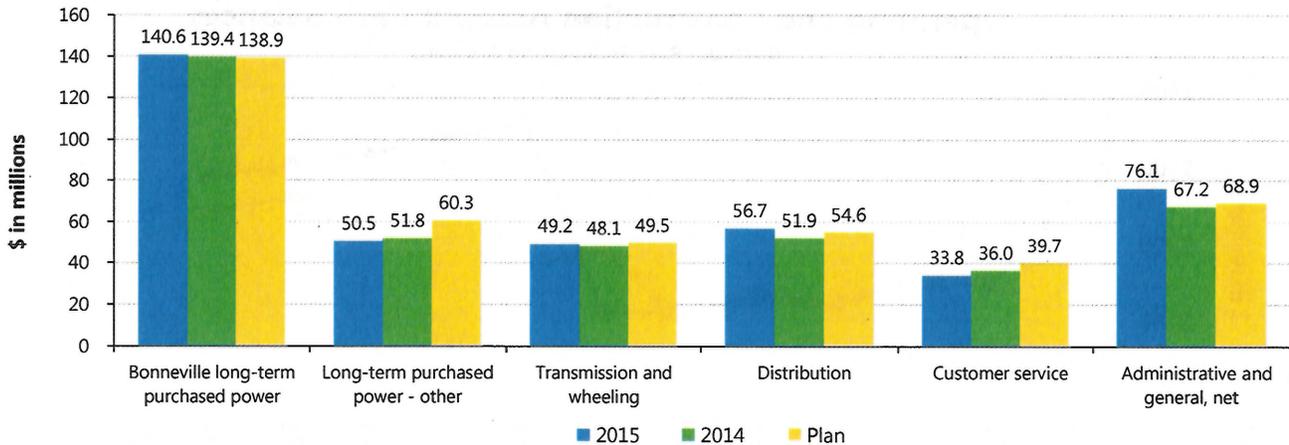
**YTD Average Earned Rate per MWh**



## DATA FOR SELECTED ACCOUNTS

The following chart presents year-to-date 2015 data for major components of City Light's operating expenses excluding wholesale power transactions. These expenses can fluctuate month to month compared to the previous year for a number of reasons including work scheduling and accounting adjustments. Major or noteworthy differences from 2014 are detailed below.

**YTD Selected Expenses**

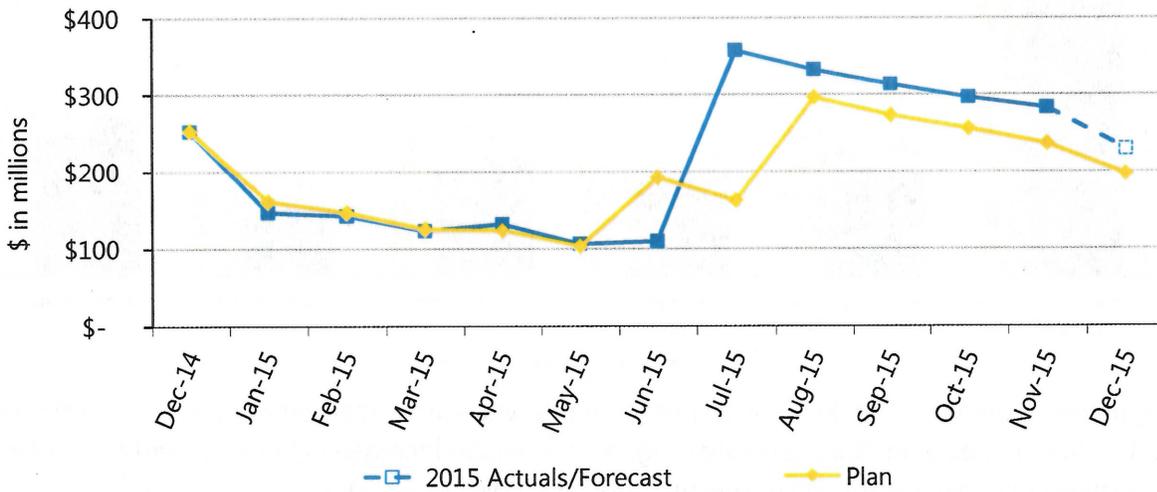


- Bonneville expenses:** The \$1.2 million unfavorable year-over-year variance is due primarily to a \$1.1 million increase in Block load shaping. A \$1.3 million increase in Slice was entirely offset by a \$1.3 million increase in the Slice true-up credit recorded in January.
- Long-term purchased power:** The \$1.3 million favorable year-over-year variance was due primarily to lower Stateline Wind generation; partially offset by an increase in Columbia Ridge biogas purchases.
- Transmission and wheeling expenses:** The \$1.1 million unfavorable year-over-year variance is due primarily to a WECC special statutory assessment implemented in late 2014 to cover a shortfall in the Peak Reliability budget due to non-payment by two Canadian entities.
- Distribution costs:** The \$4.8 million unfavorable year-over-year variance was driven primarily by increases in underground and overhead line repairs, tree trimming, urban tree replacement, and the September 2015 recognition of previously-deferred costs as part of a new accounting process that recognizes certain billable expenses when incurred rather than when billed.
- Customer service expenses:** The \$2.2 million favorable year-over-year variance was driven by a decline in bad debt expense resulting from an improved estimation methodology implemented in September 2014 as well as declines in billing/collecting, customer assistance and meter reading expenses.
- Administrative and general expenses:** The \$8.9 million unfavorable year-over-year variance was due in large part to an increase in administrative, general, and engineering salaries and related benefits resulting from lower vacancy rates. In addition, FAS cost allocations are higher along with higher NERC administrative costs and Oracle license costs. The higher A&G costs were offset by increased overhead applied to capital projects due in part to higher rates in effect.

**CASH POSITION**

As of November 30, 2015, City Light’s operating plus construction account cash balance was \$282.6 million, which is \$47.6 million or 20.2% over the 2015 Financial Plan of \$235.0 million. The 2015 forecasted year-end balance of operating and construction account cash is \$229.0 million, which is \$33.4 million or 17.1% above the 2015 Financial Plan of \$195.6 million.

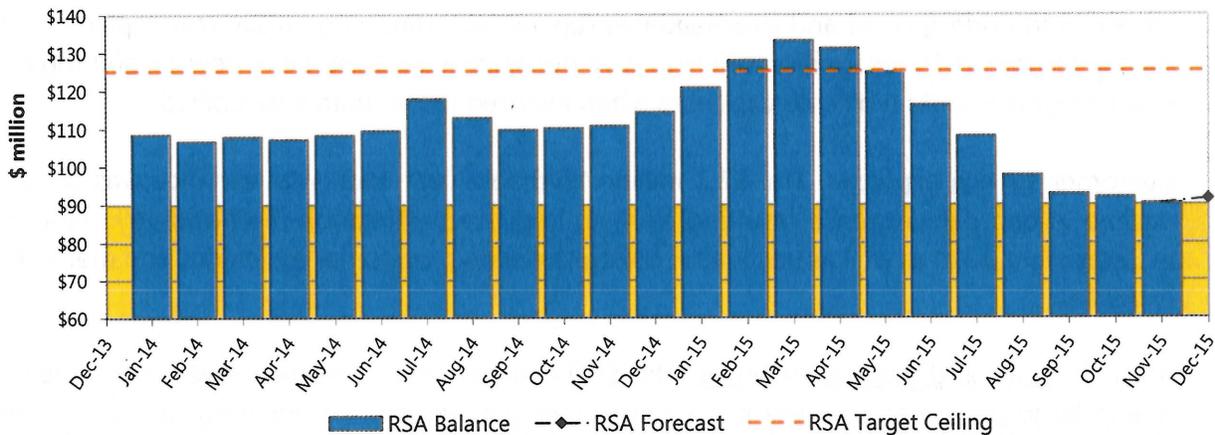
**Operating and Construction Account Cash Balances**  
(Excludes Rate Stabilization Account)



**RSA POSITION**

The cash balance in the rate stabilization account was \$90.3 million as of November 30, 2015, which is \$9.7 million or 9.7% under the \$100 million RSA target. The balance is expected to remain above the \$90 million surcharge threshold through March 2016. Neither a refund nor a surcharge is currently forecasted for 2015; however, there is a possibility that a small surcharge will be triggered in 2016.

**Rate Stabilization Account**



## 2015 BUDGET

As of November 2015, City Light is projecting that overall it will be within its budget authority through year-end 2015. The Department has spent 89% of the overall O&M budget (O&M budget includes Non-Power O&M expenses, Purchased Power, Taxes and Debt Service) through November. At this point in the year we would normally expect to have spent 91% of the annual budget. City Light's spending on the Capital program through November is approximately 85% of the 2015 year to date forecast. City Light anticipates that the accomplishment rate will be 86% by year-end.

## DEBT-TO-CAPITALIZATION

As of November 30, 2015, City Light's debt-to-capitalization ratio was 60.4%, an increase from 60.1% reported this time last year and from 59.8% at December 31, 2014. Based on the revised forecast, the 2015 year-end debt-to-capitalization ratio is now expected to be 64.9%, which is 5.3% above the 2015 Plan of 59.6%. The main driver of the increase is a change in a pension accounting standard (GASB Statement No. 68) which requires City Light to record its proportionate share of the City's net pension liability on its balance sheet. The addition of this liability reduces City Light's equity, which in turn increases the proportion of debt in the ratio. In the absence of this accounting change, the ratio would have been just slightly higher than the Plan.

## COMPLIANCE

Attached for your information is the City Light Risk Oversight Status Report as of December 16, 2015, which conveys City Light's compliance with risk policies and standards at that point in time.

## PERFORMANCE METRICS

In addition to the financial information included above, we have provided a report on performance metrics for Distribution Operations, Vegetation Management, Safety and Human Resources, Power Resources and Customer Care. The updated Performance Metrics Report for November 30, 2015, with 2014 data included for comparison, is attached.

## Attachments

cc: Kate Joncas  
Hyeok Kim  
Tony Kilduff  
Ben Noble  
Saroja Reddy  
Brian Surratt  
Greg Shiring  
Michael Van Dyck

**Net Income Variance Analysis  
November 2015**

**Variance Year-to-Date 2015 Compared to 2014 Actuals: -\$32.1 million or -28.2%**

Major components (\$ in millions):

\$113.8	Net Income YTD through November 30, 2014
(\$43.8)	Lower net wholesale energy sales due to lower average market prices y-t-d combined with decreased generation volume and an increase in wholesale purchases caused by a combination of warmer weather y-t-d, which resulted in earlier snowmelt, decreased snowpack, and lower water level
\$24.9	Higher transfers from RSA y-t-d due to wholesale revenues lower than budget due to lower generation resulting from earlier snowmelt, decreased snowpack, and lower water levels
\$2.7	Higher retail power revenues due partially to a comprehensive rate increase of 4.2% effective 1/1/2015
(\$8.8)	Higher administrative and general, primarily salaries, due to lower vacancy rates from additional hiring
\$4.8	Lower power related wholesale purchases - other
(\$7.7)	Lower power related revenues - other due to lower market prices and volumes in basis trade and fair values
(\$4.8)	Higher distribution due to September 2015 recognition of accumulated overhead and underground maintenance costs from Other Assets - Gen WIP to be Billed. Previously, these costs were recorded in Other Assets and not expensed until billed or a project completed. Under a revised accounting process in September, these costs will be expensed as incurred.
(\$3.8)	Higher depreciation and amortization
(\$3.9)	Higher conservation
\$2.9	Higher capital contributions
\$2.2	Lower customer service
\$2.1	Higher investment income earned on bond proceeds and fair values of non-cash investments
\$1.1	Other (net)
\$81.7	Net Income YTD through November 30, 2015

**Variance 2015 Revised Forecast Compared to Financial Plan: -\$27.5 million or -21.2%**

Major components (\$ in millions):

\$129.8	Net Income through December 31, 2015 - Financial Plan
(\$36.8)	Lower retail revenues due to unseasonably warm weather through most of 2015
(\$25.6)	Lower net wholesale energy sales due to above average temperatures and lower precipitation
\$24.1	Higher transfers from RSA due to lower than budgeted short-term net wholesale energy sales
\$10.7	Lower long-term purchased power-other expenses due primarily to lower than planned Stateline Wind generation
(\$11.1)	Higher administrative and general expenses due primarily to actual salary expense running higher than planned driven by lower than planned vacancy rates and an increase in pension expense due to the GASB 68 pension accounting standard implementation
\$6.4	Lower generation due to lower than planned water for power expenses, lower than planned growth in generation related costs
\$8.4	Lower tax expense due to lower than planned retail revenues and conservation incentive credits (offset by higher conservation expense below) of \$3.4 million
\$5.0	Higher capital contributions due to early electrification of the Shoreline undergrounding project
\$6.1	Lower customer service expenses in keeping with observed reductions in bad debt expense as a percentage of retail revenue in recent years as well as lower billing, collection and customer assistance cost
\$4.5	Lower interest expense due to higher than planned AFUDC charged to capital projects
(\$3.8)	Higher conservation expense due to an increase in customer incentive payments (offset by tax credits above)
(\$17.8)	Lower other income due primarily to shifting the sale of the 8th & Roy Street property from 2015 to 2016
\$2.4	Other (net)
\$102.3	Net Income YTD through December 31, 2015 - Revised Forecast

Line No.	Condensed Statements of Revenues, Expenses and Changes in Net Position	Year-to-date			Year Ending December 31, 2015		
		[A] Actuals November 30, 2015	[B] Actuals November 30, 2014	[A - B] Actuals to Actuals Variance	[C] 2015 Revised Forecast	[D] 2015 Financial Plan	[C - D]
1	Unaudited						
2	In millions						
3							
4	<b>Operating Revenues</b>						
5	Retail power revenues	\$ 659.8	\$ 657.1	\$ 2.7	\$ 739.1	\$ 775.8	\$ (36.8)
6	Short-term wholesale power revenues, net (lines 40 + 43)	56.8	87.3	(30.5)	60.9	83.5	(22.6)
7	Power-related revenues - other	36.4	44.1	(7.7)	37.6	42.1	(4.6)
8	Transfers from/(to) rate stabilization account	24.1	(0.8)	24.9	22.8	(1.3)	24.1
9	Other revenues	21.9	19.7	2.2	23.6	25.7	(2.1)
10	Total operating revenues	799.0	807.4	(8.4)	884.0	926.0	(41.9)
11	<b>Operating Expenses</b>						
12	Generation	29.4	31.0	(1.6)	33.5	39.9	(6.4)
13	Bonneville long-term purchased power	140.6	139.4	1.2	157.1	155.2	1.9
14	Long-term purchased power - other	50.5	51.8	(1.3)	57.2	67.8	(10.7)
15	Short-term wholesale power purchases	26.0	14.6	11.4	26.4	23.5	2.9
16	Power-related wholesale purchases - other	10.0	14.8	(4.8)	11.7	16.7	(5.0)
17	Other power costs	11.5	12.0	(0.5)	13.1	15.3	(2.2)
18	Transmission and wheeling	49.2	48.1	1.1	53.7	54.0	(0.3)
19	Distribution	56.7	51.9	4.8	62.7	62.6	0.0
20	Customer service	33.8	36.0	(2.2)	37.4	43.5	(6.1)
21	Conservation	26.2	22.3	3.9	31.0	27.2	3.8
22	Administrative and general, net	76.0	67.2	8.8	86.7	75.5	11.1
23	Taxes	76.2	75.3	0.9	81.2	89.6	(8.4)
24	Depreciation and amortization	100.1	96.3	3.8	109.4	112.7	(3.3)
25	Total operating expenses	686.2	660.7	25.5	761.0	783.6	(22.6)
26							
27	<b>Net Operating Income</b>	<b>112.8</b>	<b>146.7</b>	<b>(33.9)</b>	<b>123.0</b>	<b>142.3</b>	<b>(19.3)</b>
28							
29	<b>Other Deductions, Net</b>						
30	Investment income	8.8	6.7	2.1	9.4	6.6	2.8
31	Other income (expense), net	4.9	6.0	(1.1)	5.9	23.8	(17.8)
32	Interest expense	(70.0)	(71.4)	1.4	(76.7)	(81.2)	4.5
33	Noncapital grants	1.0	3.2	(2.2)	3.2	5.0	(1.8)
34	Capital contributions	24.0	21.1	2.9	36.5	31.5	5.0
35	Capital grants	0.2	1.5	(1.3)	0.9	1.9	(1.0)
36	Total other deductions, net	(31.1)	(32.9)	1.8	(20.7)	(12.5)	(8.2)
37							
38	<b>Change in Net Position</b>	<b>\$ 81.7</b>	<b>\$ 113.8</b>	<b>\$ (32.1)</b>	<b>\$ 102.3</b>	<b>\$ 129.8</b>	<b>\$ (27.6)</b>
39	<b>Note A:</b>						
40	Short-term wholesale energy sales, gross	61.3	93.7	(32.4)	65.8	88.5	(22.7)
41	Short-term wholesale energy purchases	(26.0)	(14.6)	(11.4)	(26.4)	(23.5)	(2.9)
42	<b>Net ST wholesale sales before booked-out LT purchases</b>	<b>35.3</b>	<b>79.1</b>	<b>(43.8)</b>	<b>39.4</b>	<b>65.0</b>	<b>(25.6)</b>
43	Booked-out long term purchases	(4.5)	(6.4)	1.9	(4.9)	(5.0)	0.1
44	Net short-term wholesale energy sales	<b>30.8</b>	<b>72.7</b>	<b>(41.9)</b>	<b>34.5</b>	<b>60.0</b>	<b>(25.5)</b>
45	<b>Note B:</b>						
46	Power-related revenues, net (line 7 minus line 16)	26.4	29.3	(2.9)	25.9	25.4	0.5



## Seattle City Light Risk Oversight Status Report As of December 16, 2015

### Summary

	5 Year Average	2015 Average	% of 5 Year Average
SCL Hydro Generation	1,099 MW	966 MW	88%
Market Prices (Peak Hours)	\$32.67	\$26.06	80%

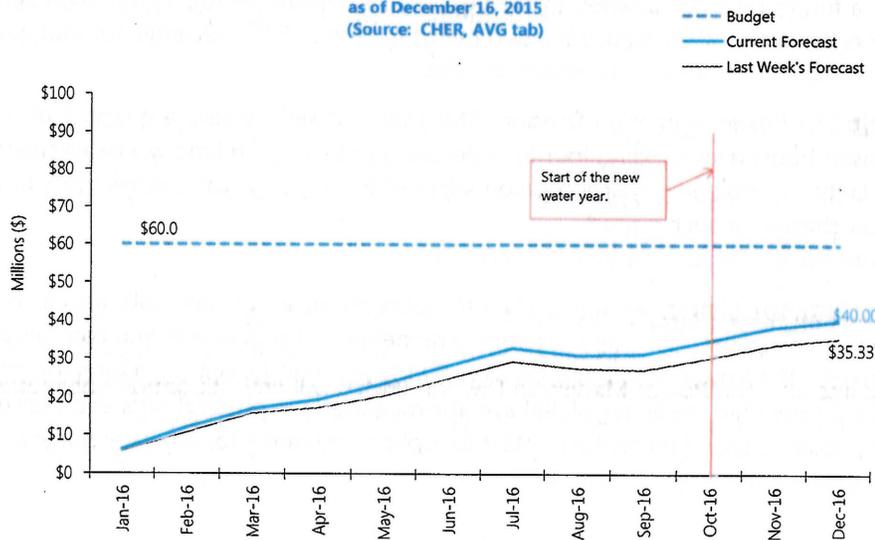
**SCL Hydro Generation:** This shows the total average generation per hour for Seattle City Light's three major hydroelectric resources (Skagit, Boundary, and BPA Slice). For the 2015 calendar year this average includes actual generation for past months and forecasted MW for future months. The 5 year average value is comprised of actual generation for the years 2010-14. The percent of 5 year average shows the generation for the current year relative to the 5 year average.

**Peak Market Prices:** This shows the total average price per hour for peak hours at the nearest and the most active electricity trading hub (MID-C). For the 2015 calendar year this includes the average Dow Jones firm peak index daily prices for past months and the average of the monthly forward marks for the future months. The 5 year average is computed from the Dow Jones peak daily prices for the years 2010-14. The percent of 5 year average shows the market prices for the current year relative to the 5 year average.

**Wholesale Revenue Variance:** Chart 1 below compares the approved 2016 NWR budget of \$60MM with the latest 2016 NWR forecast of \$40.0MM. The NWR forecast increased by \$4.7MM from the previous forecast of \$35.3MM as a result of increase in resources accounting for \$7.5MM. The increase was offset by lower prices accounting for \$2.8MM respectively.

Chart 1

**Cumulative Net Wholesale Revenue for 2016  
Budget vs. Forecast  
as of December 16, 2015  
(Source: CHER, AVG tab)**





**Seattle City Light  
Risk Oversight Status Report  
As of December 16, 2015**

**Policy Compliance**

Tail Risk Limit	Prompt Month & Within Month Limit	Forward Month's Resource Requirement Limit	Forward Sales Limit	Physical Options Limit
Compliant	Compliant	Compliant	Compliant	Compliant

**Tail Risk:** For the current calendar year, the Power Marketing Division (PMD) must conduct its hedging activity to maintain the Utility's position within established Risk Tolerance Band (RTB) of \$8MM based on the calculated 5% Tail Risk metric. For the prompt year (the year immediately following the current calendar year), the established RTB is \$10MM.

*(Section 3.3.2 Prompt and Within the Month (WERM))*

**Prompt Month & Within Month Volumetric Limit:** The Power Marketing Division (PMD) will maintain City Light's power portfolio position for any prompt month or any Balance of the Month period so that such position shall not exceed a 50 average megawatt deficit during such period. Such limit will be calculated as the net position of City Light's combined physical position adjusted for any physical options (daily or monthly) that City Light has purchased for such month. If this limit is exceeded, the Division will take immediate action to reduce the deficit to under 50 average megawatts.

*(Section 3.3.1.1 Prompt and Within the Month (WERM))*

**Forward Month's Resource Requirement Limit:** The Power Marketing Division (PMD) will immediately suspend any further forward sales for the future calendar quarter, within the next 24 months period, if the forecasted net combined system energy projected surplus for that quarter is less than zero, at 25<sup>th</sup> percentile. Further, the PMD will take immediate action to purchase if the forecasted net combined system energy position for a future calendar quarter, in the next full 24 months period, is less than zero at 50<sup>th</sup> percentile. Such corrective action shall reduce the said deficit to zero at 50<sup>th</sup> percentile for that quarter.

*(Section 3.3.1.2 Forward Month's Resource Requirement (WERM))*

**Forward Sales Limit:** The Power Marketing Division (PMD) will not sell forward a quantity of more than 1,750,000 net megawatt hours over a rolling four full calendar quarters. Such limit will be calculated as the net position of City Light's combined physical position adjusted for any physical options (daily or monthly) that City Light has purchased for such period.

*(Section 3.3.1.3 Forward Month's Resource Requirement (WERM))*

**Physical Options Volumetric Limits:** As the utility introduces physical puts and calls into its portfolio it will do so in a conservative manner. This will allow for the refinement of procedures and controls that these transactions will impact. The Power Marketing Division (PMD) will limit its option volumetric position so that it will not transact more than the lesser of 300 average megawatts in physical puts and calls (including daily and monthly options) or spend more than \$2MM for option premiums for any calendar year.

*(Section 3.3.1.4 Forward Month's Resource Requirement (WERM))*



# Seattle City Light Risk Oversight Status Report As of December 16, 2015

## Hedging Plan & Position Status

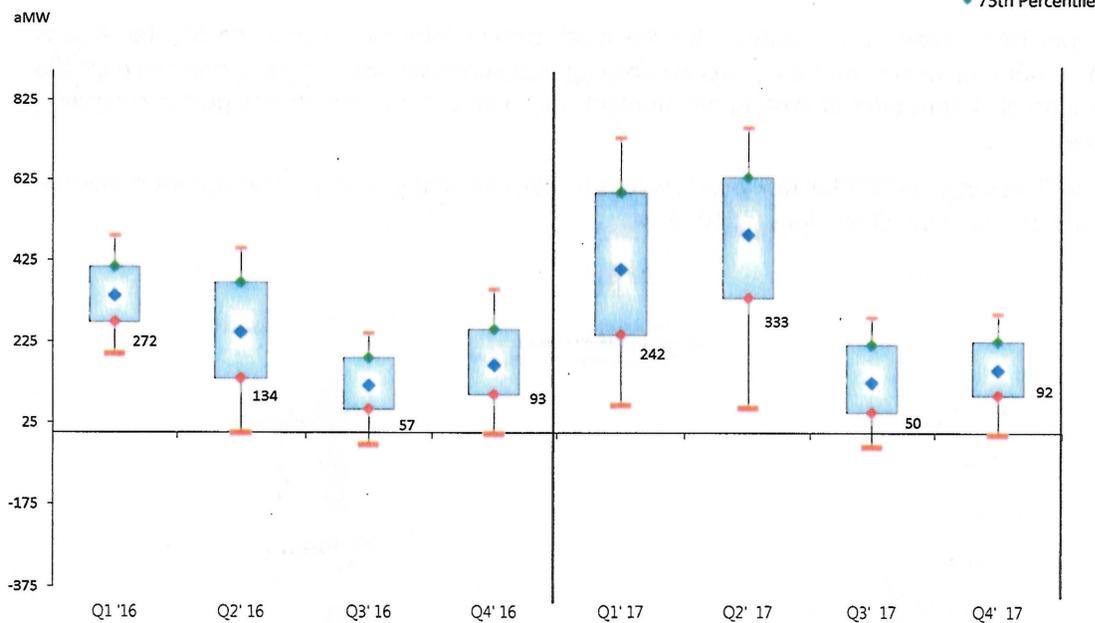
Hedge Plan 2015, Phase 4 was last proposed and approved by the Risk Oversight Council on October 6, 2015.

City Light uses the most recent load and hydro forecasts including relevant historical data to run a Historical simulation based model that produces a forecast of more than two thousand portfolio resource scenarios. The output of this model along with the current forward positions provides energy information needed to determine SCL's position. Shown below in Chart 2 are positions as of the model run date for the different resource scenarios.

Chart 2 shows the Net Combined System Energy Position for the next quarters to match City Light's short-term transacting authority. The blue boxes represent the expected net energy position from 25<sup>th</sup> to 75<sup>th</sup> percentile. The dark blue diamonds inside the boxes represent the 50<sup>th</sup> percentile. If the blue diamond falls below zero, City Light must purchase adequate energy to cover that deficit.

Chart 2

2016-17 Quarterly Forecast  
Net Combined System Energy Position  
for December 16, 2015





# Seattle City Light Risk Oversight Status Report As of December 16, 2015

## 5% Tail Risk Metric, 2016

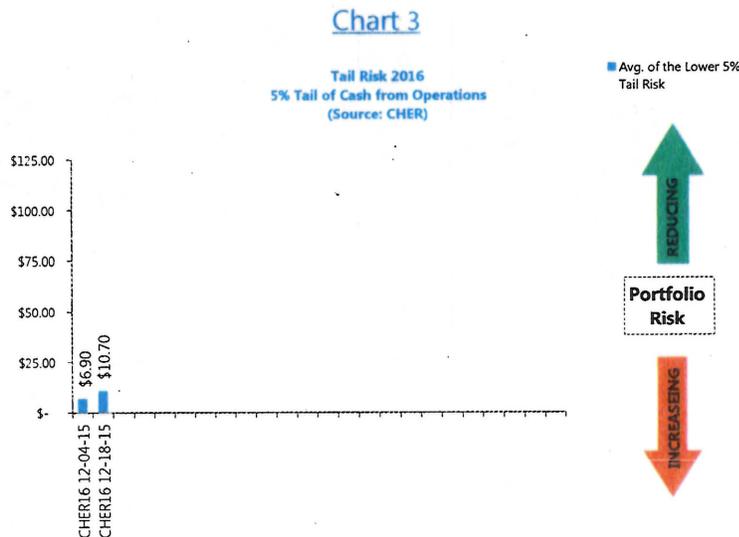
In October 2007, City Light implemented a risk metric named the “5% Tail Risk”. It is calculated as the average of the worst-case scenarios for City Light’s cash from operations for the calendar year. Cash from operations is a bottom-line financial metric defined as the cash available to finance capital projects. There are numerous drivers of cash from operations such as retail revenue, investment income, debt service, and O&M expenses; however wholesale energy revenue is typically the primary driver of uncertainty in this metric.

In 2011, the Rate Stabilization Account (RSA) became operational. The RSA is a cash reserve that is used to buffer the Utility from uncertainty in wholesale energy revenue. If the RSA becomes depleted, it is replenished via retail rate surcharges. The RSA significantly mitigates City Light’s financial (i.e. cash from operations) risk associated with wholesale energy revenue; however retail customers are exposed in part to the wholesale energy revenue risk via RSA surcharges of up to 4.5%. To appropriately encourage management of risk borne by both City Light and retail customers, the cash from operations amount used in the 5% Tail Risk calculation excludes any effects of the RSA.

The 5% Tail Risk metric is used as a risk control measure in City Light’s management of surplus hydro resources. It is used in concert with additional volumetric limits, as well as expert knowledge and analysis of western wholesale energy markets, river flow data, and generation unit outages, to inform power management decisions.

Every week, portfolio models are updated with the most current information and the 5% Tail Risk is recalculated for both the current portfolio (forecast position plus purchases less sales) and planned portfolio (current portfolio plus remainder of existing hedge plan). This metric shows the utility’s portfolio position as of that week.

Chart 3 (below) illustrates the 5% Tail Risk metric values for the calendar year 2016. The current projection of a worse case of Cash from Operations is \$10.7MM.





# Seattle City Light Risk Oversight Status Report As of December 16, 2015

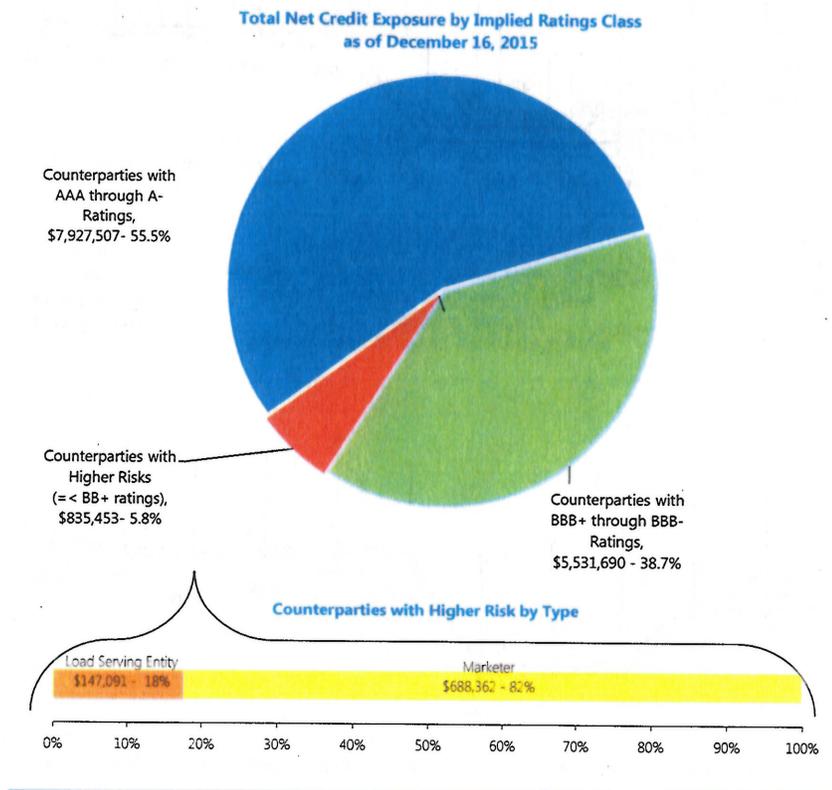
## Credit

City Light actively manages its wholesale counterparty credit risk by:

- I. setting credit limits for each counterparty that are derived from a credit limit framework, credit scoring model and analysis;
- II. securing credit enhancements when necessary;
- III. monitoring national and global news including news related to industry and specific to counterparties;
- IV. daily monitoring of counterparty credit exposures.

Risk Management Division uses industry standard tools to proactively measure changes in counterparty creditworthiness. Implied credit ratings are utilized in conjunction with standard ratings provided by external agencies. The concept of risk tolerance extends to counterparties that are considered 'Higher Risk' with equivalent Moody's and S&P implied ratings of 'BB+' or less. Counterparties with such implied ratings are placed into the 'Higher Risk Credit Portfolio' for close monitoring in order to reduce the risk of delayed or non-payment while utilizing wholesale power, transmissions and related ancillary revenue opportunities. City Light strives to keep its "Higher Risk" counterparty exposures at less than 25% of the total exposure at any given time. However, this percentage can vary based on the time of the month when the report is produced.

Chart 4



**Credit Notes:** There are no credit updates this week.

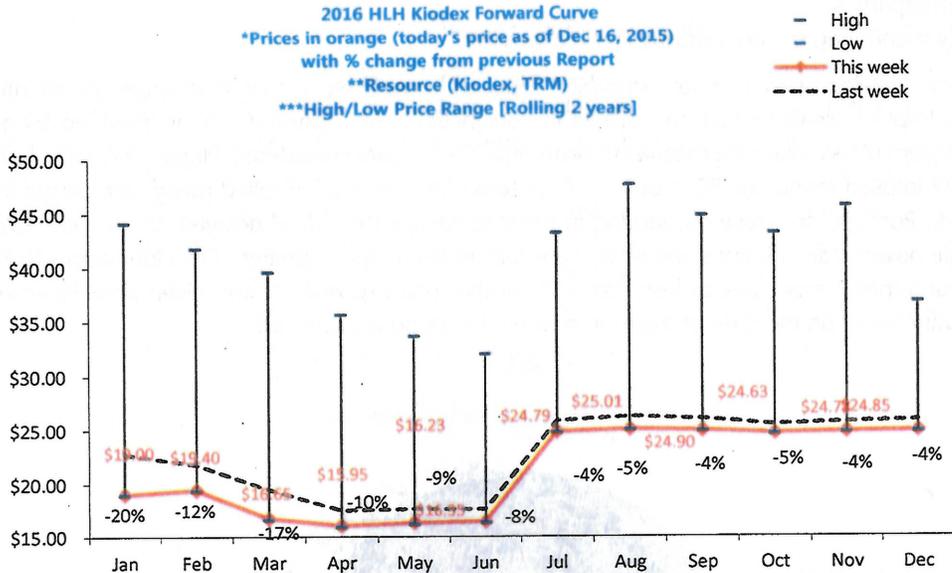


## Seattle City Light Risk Oversight Status Report As of December 16, 2015

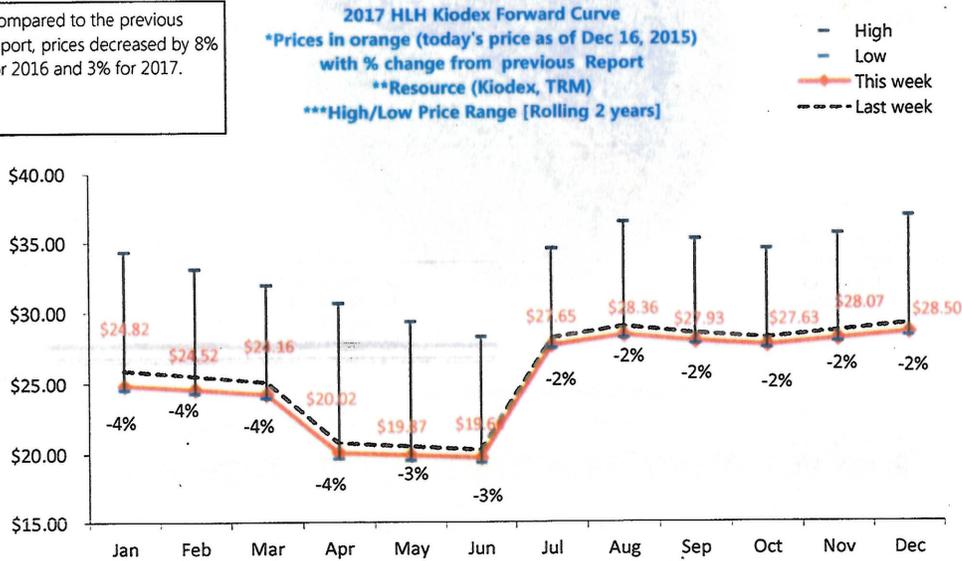
### Price

To ensure that prices are independently developed, City Light's official forward price curve is prepared by KIODEX and used for internal analysis, valuation and modeling tasks. Chart 5 shows the forward price range (Mid-C HLH only) for calendar year 2016 and 2017.

Chart 5



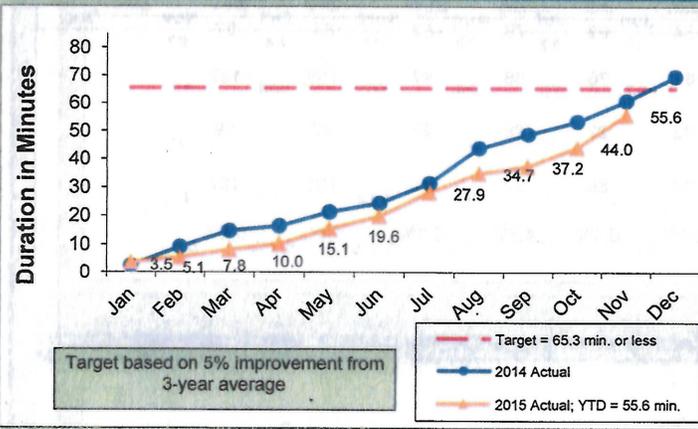
Compared to the previous report, prices decreased by 8% for 2016 and 3% for 2017.



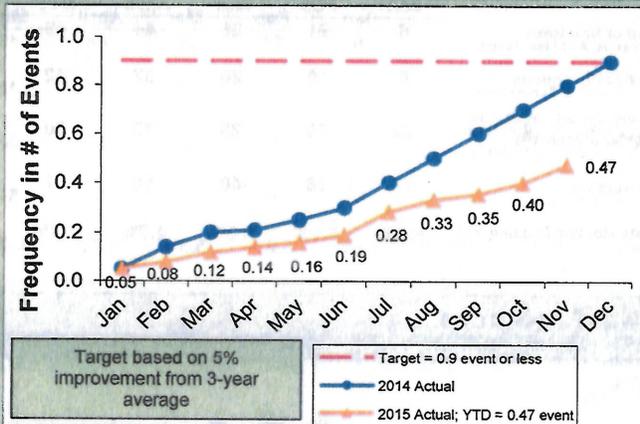


## Distribution Operations:

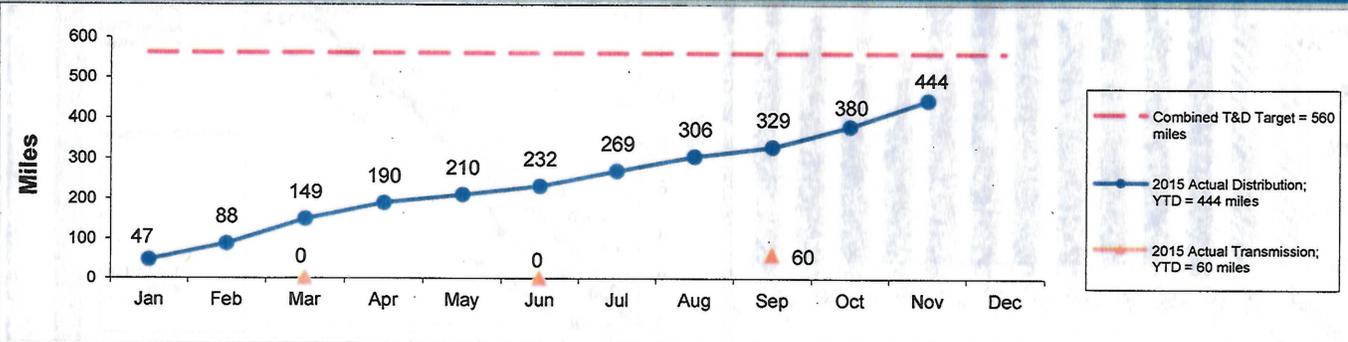
### SAIDI (Cumulative)



### SAIFI (Cumulative)

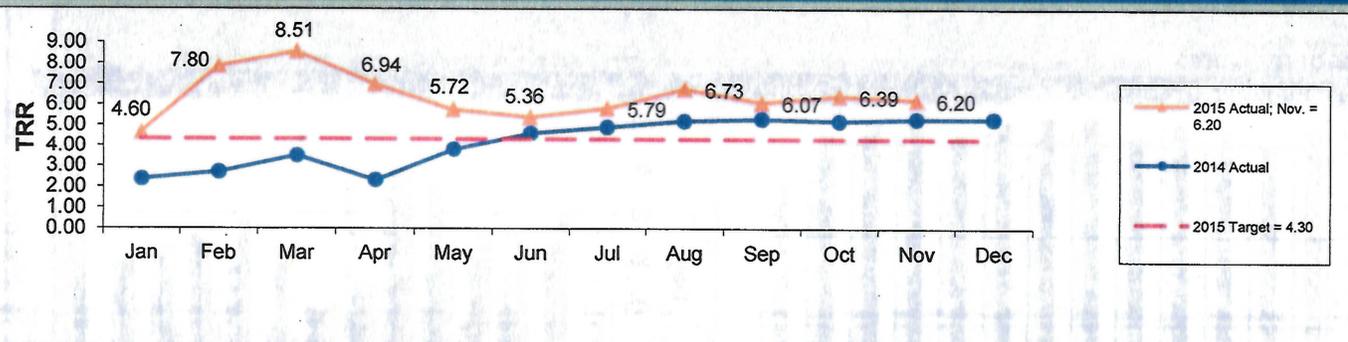


## Vegetation Management - Miles of Trees Trimmed (Cumulative)

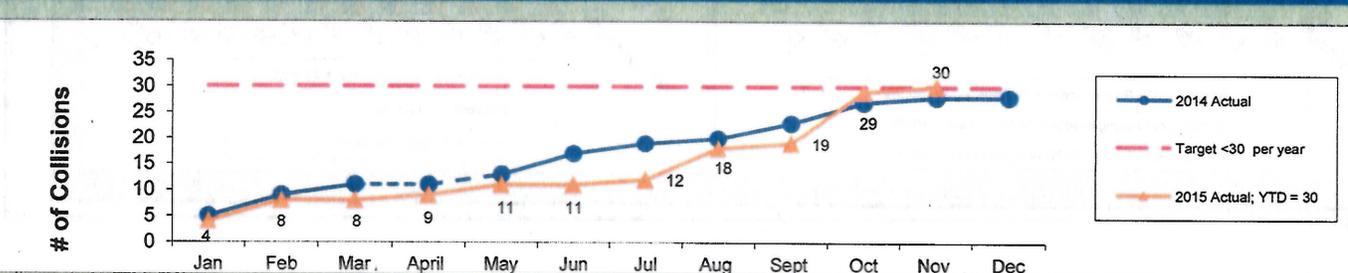


## Human Resources:

### Safety - Total Recordable Incident Rate (Cumulative)



### Safety - Preventable Motor Vehicle Collisions (Cumulative)



Human Resources:

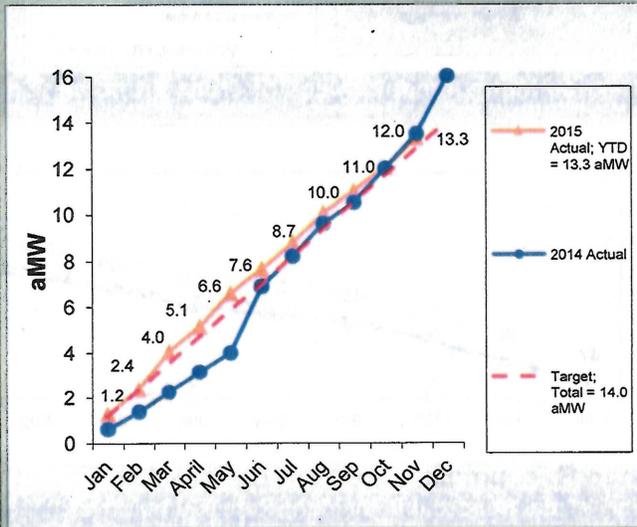
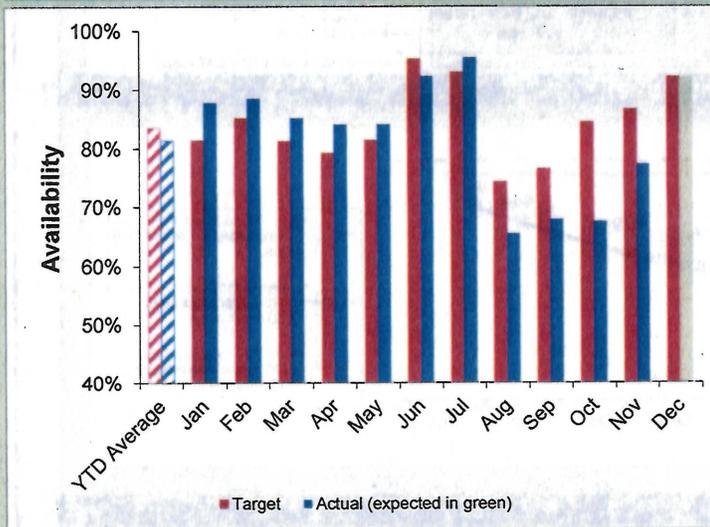
Hiring Statistics

	Jan	Feb	Mar	April	May	Jun	Jul	Aug	Sept	Oct	Nov	Dec
Cumulative # of New Hires	6	21	26	44	49	54	62	78	82	84	87	
Cumulative # of Promotions	6	10	20	37	42	62	76	86	97	109	127	
Average Hiring Cycle (Target = 30 days for regular processes)	22	25	25	32	30	32	27	28	27	27	29	
Cumulative Attrition	16	28	40	50	57	74	86	92	109	121	127	
Vacancy Rate Mo. End (Goal=4.0%)	5.6%	5.2%	5.3%	4.7%	4.4%	5.0%	5.1%	4.8%	5.1%	5.4%	5.5%	

Power Resources:

Generator Availability-All Units (Actuals %)

Conservation Savings (Cumulative)



Customer Care:

Streetlight Repairs

Service Connections

