



# ENERGY & ENVIRONMENT COMMITTEE

General Manager's Report

January 24, 2017



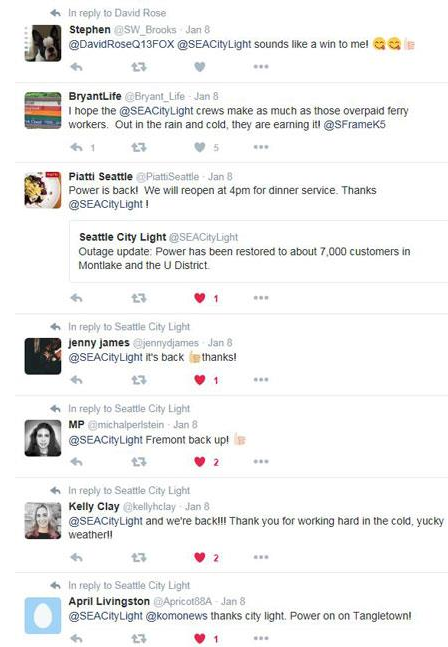
# OUTAGE RESPONSE OF JAN. 8 & JAN. 16

- On January 8 and 16, equipment failures caused a loss of power to ~20K and ~22K customers, respectively. The outage causes were unrelated.
- SCL communications and crews leapt into action.
- SCL's timely response to the outages elicited kudos online.



# OUTAGE RESPONSE OF JAN. 8 & JAN. 16

- SCL received 937 Twitter engagements on Jan.8 and 314 engagements on Jan. 16.
- The majority of inbound messages to SCL were positive or neutral.





# DENNY SUBSTATION

SEATTLE CITY LIGHT | SEATTLE, WA

# DENNY SUBSTATION CONSTRUCTION UPDATE

## Construction Completed May 2016 thru Jan 2017

### **On-Site Facility Construction:**

- Soil Characterization
- Monitoring Equipment Installed
- Drilled Shafts
- Shoring
- Structural Steel Erection & Framing Ongoing

### **Right of Way Construction:**

#### **John St, Pontius Ave N, Minor Ave N, Denny Way**

- Water Line Replacement
- Sewer Line Replacement
- Electrical Power Vault Installations
- Duct Bank Construction

## Construction Scheduled for Q1-2017 thru Q2-2017

### **On-Site Facility Construction:**

- Foundation Construction
- Structural Work
- On-Site Utility Work

### **Right of Way Construction:**

#### **John St, Pontius Ave N, Minor Ave N, Denny Way**

- Sewer Line Replacement
- Electrical Power Vault Installations
- Duct Bank Construction



# DENNY SUBSTATION CONSTRUCTION SITE – 1/13/17



*VIEW OF DENNY SUBSTATION SITE ON JOHN STREET (LOOKING SOUTH)*

# DENNY SUBSTATION CONSTRUCTION SITE – 1/13/17



*VIEW OF DENNY SUBSTATION CONSTRUCTION SITE ON MINOR AVE N (LOOKING EAST)*

# DENNY NETWORK CIVIL CONSTRUCTION UPDATE

## Construction Completed Feb 2016 thru Jan 2017

### Duct-bank and Vault Construction (*not permanent restoration*)

#### Denny Triangle:

- Stewart St (Minor Ave N to 6<sup>th</sup> Ave & Westlake Ave)
- Virginia St (Minor Ave to 8<sup>th</sup> Ave)

#### \* **Completed Section with Permanent Restoration:**

- Stewart St (Boren Ave to 9<sup>th</sup> Ave)

#### South Lake Union:

- Minor Ave N (John St to Harrison St)
- Harrison St (Boren Ave N to Fairview Ave N)
- Republican St (Boren Ave N to Fairview Ave N)
- Thomas St (Fairview Ave N to Pontius Ave N)

## Construction Scheduled for Q1-2017 thru Q2-2017

### Duct-bank and Vault Construction

#### Denny Triangle:

- Virginia St (8<sup>th</sup> Ave to 5<sup>th</sup> Ave)
- Lenora St (6<sup>th</sup> Ave to 5<sup>th</sup> Ave)
- 6<sup>th</sup> Ave (Virginia St to Lenora St)
- 7<sup>th</sup> Ave (Lenora St to Westlake Ave)

\* **Permanent Restoration will be completed on ALL streets in Denny Triangle in Q3-2017.**

#### South Lake Union:

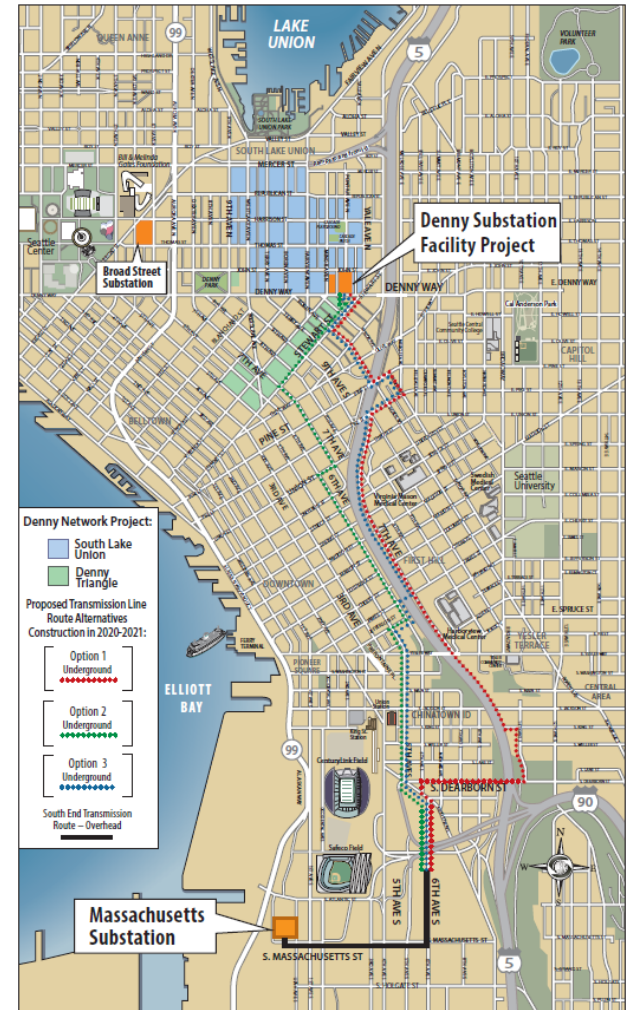
- Street Car Crossing at Thomas St & Terry Ave N
- Thomas St (9<sup>th</sup> Ave N to Minor Ave N)
- Harrison St (Boren Ave N to Fairview Ave N)





# DENNY SUB – UNDERGROUND TRANSMISSION LINE UPDATE

- Construction Start 2020
- Construction Complete 2021
- Preferred Route Identified Q4-2016
  - Preliminary Design (30%) Completed Q4-2016
  - Detailed Design Deferred until 2019
  - Comprehensive City Approach / RSJI



# STRATEGIC PLAN METRIC SUMMARY

Customer Service and Rate Predictability	2015	2016
Outage Duration: SAIDI	62.3	61
Outage Frequency: SAIFI	0.5	0.5
Residential Customer Service	#3	#5
Business Customer Service	#2	#1
Utility Discount Program	20,779	28,865
Workforce Performance and Safety	2015	2016
Hiring Cycle	28	28
Vacancy Rate	5.4%	4.9%

*Residential and Business Customer Service Metrics are the JD Power Rankings for West Region.  
SAIDI: Average Cumulative Minutes/Customer.  
SAIFI: Average Number Of Events/Customer.*

# STRATEGIC PLAN METRIC SUMMARY

Organizational Performance	2015	2016
Rate Ranking (among 25 Major US Cities)	#1	#1
S&P Credit Rating	AA	AA
Efficiencies (Millions)	\$18.5	\$28
Conservation and Environmental Leadership	2015	2016
Solar Installations (Number Installed)	2,244	2,695
Solar Installations (Cumulative MW)	13	16.5
I-937 Compliance	6%	9%
GHG Emissions	0	0

*Rate Ranking: City Light has the lowest average rate among 25 major US cities (#1).*