

# Denny Substation Project



Powering Seattle through the 21st Century

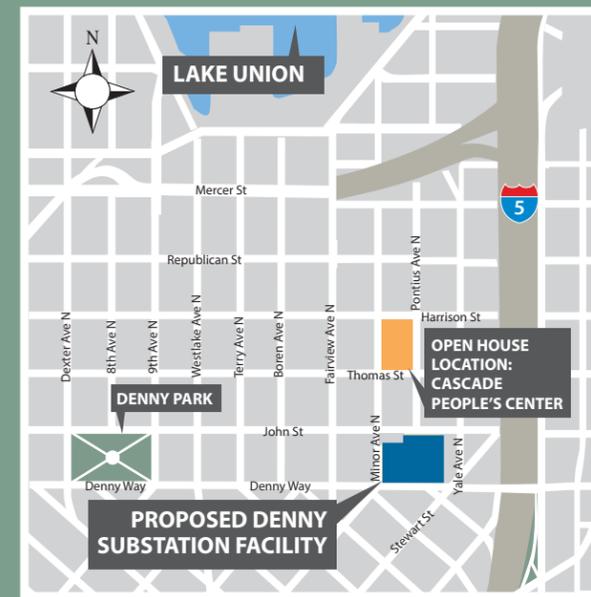
# Denny Substation Project

## YOU'RE INVITED TO AN OPEN HOUSE!

Seattle City Light welcomes you to drop by our open house on November 20th. The project team will be there to provide updates on the project. We will be sharing information about the current substation design alternatives (SA1, SA2, SA3), the distribution network, preliminary public benefits proposal, and the next steps in the project. There will also be information shared regarding plans for the community spaces proposed for the Seattle City Light preferred alternative.

**When:** November 20, 2014  
5:00 – 7:00 p.m.  
**Where:** Cascade People's Center  
309 Pontius Ave N  
Seattle, WA 98109

## OPEN HOUSE MAP



## QUARTERLY REPORT

3RD QUARTER | 2014

As part of City Light's Strategic Plan investments in the electrical power infrastructure, the Denny Substation Project will provide improved reliability and electrical load density needed for the growing Urban Centers in the North Downtown area. The project is complex and involves the design and construction of a new substation, a transmission line to feed electricity to the substation, and a network distribution system.

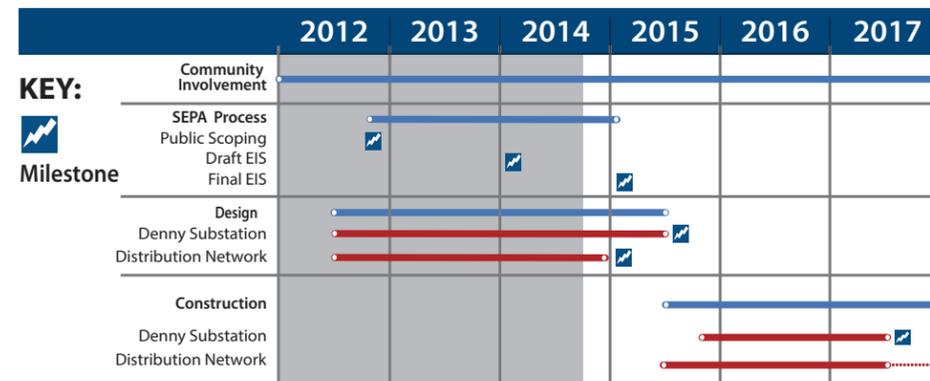
This report summarizes the progress made on key project elements in the third quarter of 2014 and what's ahead for the Denny Substation Project. Topics covered include the refinements of potential public benefits, progress toward 90% design of the substation, work on the final Environmental Impact Statement (EIS), and new art installations and events happening at the proposed site.



**DID YOU KNOW?**  
90% of Seattle's electric power comes from renewable energy!

## MILESTONES

- ENVIRONMENTAL:**  
Final EIS release - Early 2015
- DESIGN:**  
Public open house - Nov. 20, 2014
- CONSTRUCTION:**  
Substation and distribution network construction - Beginning mid-2015



\*Schedule is current as of October 2014



The Denny Substation Project's art program is administered by the Seattle Office of Arts & Culture 1% for Art Fund.

- VISIT OUR WEBSITE:**  
[www.seattle.gov/light/dennysub](http://www.seattle.gov/light/dennysub)
- SEND US AN EMAIL:**  
[SCL\\_dennysub@seattle.gov](mailto:SCL_dennysub@seattle.gov)
- CALL OUR HOTLINE:**  
(206) 257-2142

- FOLLOW US ON FACEBOOK:**  
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## INSIDE:

SUBSTATION DESIGN - SUSTAINABILITY - ART



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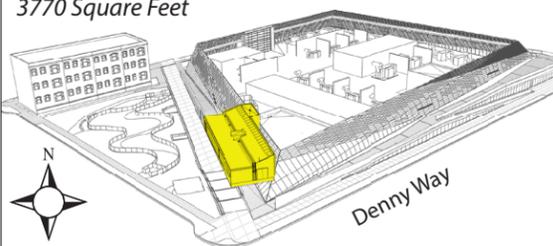
## UPDATE: DESIGN OF A SUBSTATION

The project is working to complete the 90% design of the substation (Seattle City Light preferred alternative – SA3) and to refine potential public benefits by early 2015. On November 6th the project presented the Preliminary Public Benefits Package and Preliminary 90% Design Concept of SA3 to the Seattle Design Commission. As the Final Environmental Impact Statement is not completed we only sought guidance on these elements of the project at this point.

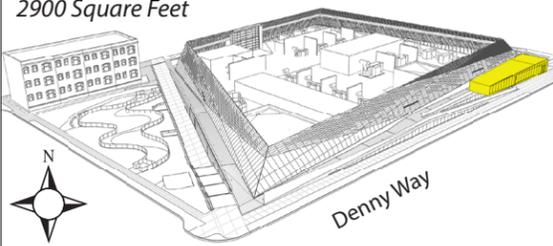
Incorporating public feedback, the SA3 design concept proposes to activate the substation with a community space and a learning/resource center.

### SUBSTATION ALTERNATIVE 3

Proposed Community Center  
3770 Square Feet



Proposed Learning/Resource Center  
2900 Square Feet



The SA3 design renderings above highlight the proposed locations for community spaces.

## SUBSTATION ART

There was no shortage of activity at the proposed Denny Substation site during the 2014 summer months. The ALL RISE temporary arts program, working with the Seattle Office of Arts & Culture, coordinated a series of performances on Karl Burkheimer's 1,800 square foot sculpture installation featuring dance, music and light. Dancers and choreographers practiced at the site unannounced throughout the week, culminating in publicized weekend performances.



The capstone event of the summer was an open house inviting the public to the site, which had been transformed by a canopy of neon pink pennants. The end-of-summer celebration encouraged guests to wear pink and bring picnics and chairs, and attendees were serenaded by a flash mob of 25 cellists from around the Pacific Northwest. An array of food was available for purchase inside the site from various food trucks.



## SUSTAINABILITY

The substation is being designed with sustainability in mind. Below are a few ways that the proposed substation could incorporate sustainable design features.

### REDUCED WATER USE AND MAINTENANCE

Landscaping with native and adaptive plant species would result in low maintenance and water use.



### BUILDING MATERIAL EFFICIENCIES

Building materials could be purchased from sustainable manufacturers, and material waste could be eliminated by sizing panels for optimal production.

### ENERGY EFFICIENCY IN FACILITY

Heat recovery is planned to be installed in the Switchgear Building and the Control Building and a Solar Panel Array on the interior north wall of the substation. This will help to provide for net positive energy in the spaces proposed for the Community Center and Learning/Resource Center.

A variable refrigerant flow (VRF) system will be installed to take advantage of excess heat. At full development this will provide 100% of the heating required for the proposed Community Center on the southwest corner and the proposed Learning/Resource center on the

Image/s courtesy of NBBJ.

### REDUCED STORMWATER RUNOFF

Digging deeper soil trenches would reduce stormwater runoff, prevent water from pooling on site, and help increase infiltration.

