

LIGHT Reading

SHORE POWER

Summer is cruise ship season, which means more are spending time in port preparing for their next departure, running their engines to provide the energy they need to operate onboard services – and emitting greenhouse gases.

A series of projects are underway to make the Port of Seattle one of the greenest and most energy-efficient ports in North America. Seattle City Light is a contributing partner alongside the Port of Seattle and Northwest Seaport Alliance (NWSA) for the Seattle Waterfront Clean Energy Strategy (SWCES). The strategy aims to phase out seaport-related emissions by 2050, but how does the Port balance sustainability with economic growth? Shore power is one solution.

Shore power is a key environmental strategy to eliminate emissions from ships while in port. Shore power provides a power connection for ships to access City Light's clean, carbon-neutral energy, which means they can plug in and turn off their diesel engines. To put things into perspective, a ship connected to shore power eliminates the emissions equivalent of an average car driving round trip from Seattle to New York 30 times.

Currently, the Port of Seattle has two shore power connections at the Smith Cove Cruise Terminal at Pier 91 that have been active for years. City Light is supporting the Port's project to provide shore power for ships at Pier 66, which recently completed design and concluded a Public Works bidding process. Construction should begin this summer on Terminal 46 and Pier 66, which includes connecting a 6,000-foot submersible cable from Terminal 46 to Pier 66.

How does City Light meet the energy demand of more ships adopting shore power? Providing shore

power for all vessel types – cargo, cruise, fishing and workboats – is an essential part of the strategy. The SWCES work has completed a forecast of all major waterfront electric loads, including locations, amounts and timing of new loads. With that milestone accomplished, City Light knows which sites need additional power solutions to handle future loads. These may be more traditional, such as additional or larger wires, or non-traditional, such as focusing on efficiency, storage, clean-distributed generation, or load management.



Having this electrical capacity is crucial to meet the loads when they come, to reduce environmental impacts and to help improve air quality along our waterfront. City Light's collaboration with the Port and NWSA has been tremendously valuable: We're able to choose the most appropriate path for each terminal, stay informed of each other's key considerations and benefit from the collective knowledge and wisdom of all partners.

So, starting in summer of 2024 and beyond when you see cruise ships in port, we can all breathe a little easier knowing that we're taking the right steps toward reducing our emissions and improving the air quality of our area.



HEADING OUT ON THE WATER? WATCH OUT FOR AQUATIC INVASIVE SPECIES!

Find out how these species can affect our hydroelectric facilities and what you can do to help protect against them on our blog: powerlines.seattle.gov/invasive-species



IMPORTANT INFORMATION ABOUT YOUR CITY LIGHT ELECTRIC SERVICE

Important disclosures for your electric service are available for download at the following web address: seattle.gov/documents/Departments/CityLight/Electric-Billing-Practices-Procedures-Disclosures.pdf

If you would like to request a physical copy of the disclosure documents, please call (206) 684-3000.



JOIN GREEN UP AND HELP FUND LOCAL SOLAR PROJECTS

Green Up is a voluntary renewable energy program that allows you to support Pacific Northwest wind, solar and other renewable energy projects. You also help us fund rooftop solar projects hosted by not-for-profits like schools, parks and affordable housing organizations. Learn more at seattle.gov/city-light/GULR

KEEP KIDS SAFE AROUND TREES THIS SUMMER

Look up, look around, be safe! Climbing trees, swinging on swings, flying kites, and being in tree houses are all fun summer-time activities. Please help keep kids safe when they are doing these things. If a tree touches a power line, it can become energized and create a dangerous situation. A kite that touches a power line can also present a hazard. Talk to your kids about trees and power lines, and have a safe summer! For questions or a safety evaluation of a tree or tree house, please call (206) 386-1733 or email SCL_Vegetation@seattle.gov.



AT WORK in your neighborhood

City Light crews are continuously working on infrastructure improvements throughout our service territory. Our ongoing projects this year include replacing utility poles and meters throughout the utility's service area to enhance safety and electrical reliability. Short power outages are required to perform this work safely, and we appreciate your patience as we complete this essential work.

Learn more about projects in your area by visiting seattle.gov/city-light/in-the-community/current-projects.

SAFETY TIP FROM THE FIELD



It's hot, so stay prepared for the heat by making extra ice, unplugging electrical appliances not in use, and staying hydrated. Find more safety tips on our blog: powerlines.seattle.gov/category/safety-preparedness

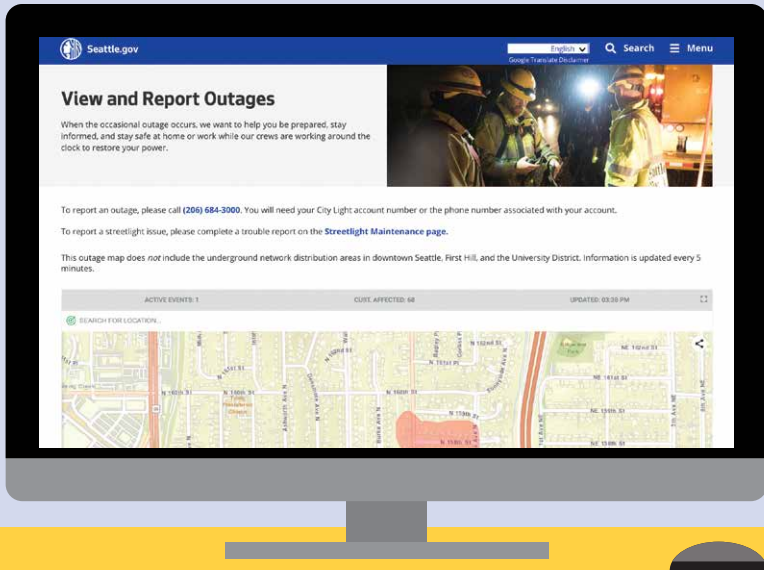


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Questions, comments or suggestions? Email us at SCL_ExternalComms@seattle.gov
Language assistance available, call (206) 684-3000.



The mark of responsible forestry



STAY INFORMED WHEN YOUR POWER GOES OUT



For updates, visit:
seattle.gov/city-light/outages



Seattle City Light



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of the North Cascades!



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