September Solar Tour: Seattle & Beyond

Over 1,000 Seattle City Light customers have installed solar electric or hot water systems and many are eager to share their experience. The September Solar Tour is a chance to visit some of these homeowners.

The following is a list of all sites on the September Solar Tour, grouped by region. Where indicated, there is a local map hyperlink. See all the local maps at: http://www.nwseed.org/projects/solar/seattle-solar-tour-2013/

Sites are open from 11:00AM to 2:00PM on Saturday, September 21.

For a full map of the tour, see: http://goo.gl/maps/ytq9Q

Informational Hubs:

Enjoy a bite to eat at one of the hubs before heading out on a self-guided tour!

- **Ballard Branch Library** - 10:30-11:30 AM solar presentation, Q&A, and maps (5614 22nd Ave NW)
- **Jefferson Community Center -** 10:30-11:30 AM solar presentation, Q&A, and maps (3801 Beacon Ave S)
- **Northwest Mechanical HQ** - 10:00AM-4:00PM open house, info sessions (3204 NE 145th St, Shoreline)

Shoreline and Lynnwood Solar Sites

❖ NORTHWEST MECHANICAL HEADQUARTERS – 3204 NE 145th St (Shoreline), 10 AM-4 PM

Visit Northwest Mechanical's Shoreline headquarters to learn about Solar electric and Solar Hot water and enjoy a bite to eat before heading out on a self-guided tour of solar homes in the area. In addition, see the installed 3.4 kW system with 18 Silicon Energy panels that provide shading in the summer months and electricity year round.

❖ PRESTON INSTALLATION – 2010 NE 147th St (Shoreline) – PASS BY ONLY

[Please note: this home is a pass-by only site.]

❖ KIRBY INSTALLATION – 712 N 117th St (North Seattle) – PASS BY ONLY

The Kirbys have a 2.85 kW solar PV system, comprised of 15 Silicon Energy panels and a Silicon Energy inverter. The system was installed by Northwest Mechanical in December 2012. *[Please note: this home is a pass-by only site.]*

❖ SHORELINE COMMUNITY COLLEGE ZERO ENERGY HOUSE – 16101 Greenwood Ave N (Shoreline) – PASS BY ONLY

The Zero Energy House is a model of sustainability. Located in the Western parking lot of Shoreline Community College just to the West of the 1700 building, the Z house is equipped with many energy generation and energy saving features. *[Please note: this home is a pass-by only site.]*

❖ SHORELINE CITY HALL – 17500 Midvale Ave N (Shoreline) – PASS BY ONLY

Shoreline City Hall features a 1.76 kW system with 8 Schucco solar modules and Enphase micro-inverters installed by Northwest Mechanical in August of 2010. *[Please note: this home is a pass-by only site.]*

❖ MOORE INSTALLATION – 1618 N 170th St (Shoreline) – PASS BY ONLY

The Moores worked with Northwest Mechanical to have Silicon Energy solar panels and inverters installed in December 2012. They also have a solar hot water system! In some neighborhoods, Seattle City Light sends out a report to rate payers showing how they compare to their neighbors in terms of energy conserved. Liz Moore reports that prior to having solar installed, she was 88 out of 100. After her solar was installed, she jumped to being #1 in the amount of energy saved! *[Please note: this home is a pass-by only site.]*

❖ BOECKSTIEGEL INSTALLATION – 2332 N 171st St (Shoreline) – PASS BY ONLY

The Boeckstiegel home features an Apricus solar hot water heater with 30 evacuated tubes and an 80-gallon stainless steel storage tank. The system was installed by Northwest Mechanical in 2009. *[Please note: this home is a pass-by only site.]*

❖ TAPLEY INSTALLATION – 310 NE 170th St (Shoreline) – PASS BY ONLY

The Tapleys' home features a 6.0 kW solar PV system with 30 Silicon Energy panels and one Silicon Energy inverter. The system was installed by Northwest Mechanical in early 2013. *[Please note: this home is a pass-by only site.]*

❖ WHITESIDE INSTALLATION – 18712 12th Ave NE (Shoreline)

The Whitesides have a 9.8 kW system consisting of SolarWorld (made in Oregon) panels and Enphase micro-inverters. They have given up gas cars and own two electric cars. The panels, installed by West Seattle Natural Energy, provide more than enough electricity to power the cars!

❖ MORGAN INSTALLATION – 2524 NE 178th St (Shoreline) – PASS BY ONLY

This 5.7 kW system is comprised of 24 SolarWorld panels with 12 BlueFrog micro-inverters installed by West Seattle Natural Energy in 2012. Current production to date is 4.6 megawatt-hours. The Morgans have both solar and whole house load monitoring via the internet. *[Please note: this home is a pass-by only site.]*

❖ KENMORE CITY HALL – 18120 68th Ave NE (Kenmore) – PASS BY ONLY

Solar panels on the roof of Kenmore City Hall provide at least 2.5% of the energy used in the building. Natural ventilation in the administrative offices lowers costs associated with air conditioning. Skylights and generous windows provide natural daylight to reduce the energy required for lighting. The result of these strategies is an overall reduction of 30% in energy use. View the city's solar dashboard online at http://siteapp.fatspaniel.net/siteapp/simpleView.jsf?eid=466425. *[Note: this site is pass-by only.]*

❖ BURGETT INSTALLATION – 2531 238th PL SE (Bothell) – PASS BY ONLY

The installation features a 6.24 kW Bosch-Aleo PV system with a Sunny Boy inverter. *[Please note: this home is a pass-by only site.]*

❖ CHUANG INSTALLATION – 1419 140th PL SW (Lynnwood) – PASS BY ONLY

Around the corner from the Geppert Installation is a system installed by Puget Sound Solar in 2013. Each 265-watt panel has its own micro-inverter and can be monitored on the Internet. *[Please note: this home is a pass-by only site.]*

❖ GEPPERT INSTALLATION – 13924 15th Ave W (Lynnwood)

Brian Geppert's home has both a 4.2kw PV solar electric system and a solar hot water system that is supplemented by a high-efficiency gas water heater. Northwest Mechanical installed the PV system. Check out the web-based monitoring system to see how much it is producing! http://www.sunnyportal.com/Templates/PublicPageOverview.aspx?page=8c2eabcd-ffb9-4b42-b182-c4f21d81c630&plant=efced7de-922e-43f0-8f7d-04e4f114a088&splang=en-US

Northeast Seattle Solar Sites

❖ NEVILLE INSTALLATION – 4033 NE 57th St

Dorothy Neville's 3.8 kW of PV was installed in two phases in Feb 2006 and July 2009 by Puget Sound Solar. She has Sanyo panels and a Sunny Boy inverter. In addition to her solar electric system, she has recently had cisterns and rain gardens installed from NW Bloom Ecological Landscapes.

❖ PRICE INSTALLATION - 4018 NE 73rd St

The Price family home has a 6.63 KW solar electric system installed by Northwest Wind and Solar and a 100% Electric Vehicle which can now be solar powered!

❖ KELLY INSTALLATION - 6053 53rd Ave NE – PASS BY ONLY

The Kelly home has a 4.8 kW solar PV system that has produced 4,397 kWh on an annual basis. Not bad for a Seattle system! Systems in the Puget Sound regions generally produce between 900 and 1,100 kWh per kW installed capacity. The system uses micro-inverters (one on each panel) to enable the system to work around shady spots. *[Please note: this home is a pass-by only site.]*

Ballard Solar Tour (Local Map Available)

Join Seattle City Light and Northwest SEED at 10:30AM at the Ballard Branch Library for a pre-tour presentation on solar in Seattle! After the presentation, take your pick of several solar sites spread across the greater Ballard area. Enthusiastic cyclists could make a loop of the whole area, while those looking for a less strenuous Saturday may choose a few sites close to home. The diversity of systems and enthusiasm of owners makes this tour well worth your time.

❖ BALLARD LIBRARY INSTALLATION - 5614 22nd Ave NW

The Ballard Library includes several green features, including a green roof and a 17-panel solar PV system. The sod roof provides insulation and helps retain rainwater, while the solar modules soak up solar energy to power the building. The system was installed through Seattle City Light's Green Power Program.

❖ BOND INSTALLATION - 6006 17th Ave NW

Kathy and Alan Bond's home features a 4.8 kW solar PV system, manufactured by Bellingham-based Itek Energy. The system uses micro-inverters and is monitored online. In addition to solar, Kathy and Alan installed a heat pump and upgraded their electrical system, and are land partners with a local CSA.

❖ HERNDON INSTALLATION - 808 NW 64th St

The 100 year old Herndon home has 10 years of records which show effects of home improvement projects. Featuring both solar PV and solar hot water systems, the home meets the Seattle 2050 goals for carbon footprint and energy use. In addition, a rain water collection system and water efficient appliances allow the Herndons to consume 75% less water per person than the average Seattle resident.

❖ WHITE-ESPIN INSTALLATION - 7056 8th Ave NW

David White-Espin worked with Artisan Electric to install a 2.64 kW solar PV system with micro-inverters. The home also features rain barrels, a tankless hot water heater, and a little library.

❖ BRIGHT MORNING STAR INSTALLATION - 302 NW 81st St

Bright Morning Star is a small urban cooperative, formed to support members in social justice and artistic pursuits. The cooperative installed solar hot water in 2008 and solar PV in 2013. Visitors are welcome to chat outside with cooperative members.

❖ JOSUND/BRADY INSTALLATION - 2335 NW 87th St

Julie Josund and Patrick Brady's home features an 8.64 kW solar PV system, manufactured by Itek Energy and installed by Puget Sound Solar. Their last utility bill was a $54 credit, and they expect to receive a $4000 incentive payment this fall. The solar system charges both a Nissan Leaf and a plug in Prius.

❖ SHERMAN INSTALLATION - 8706 26th Ave NW

The Sherman home features a 6.0 kW solar PV system with Itek Energy panels and Enphase micro-inverters installed by Puget Sound Solar. Their electric bill has been only credits since April 2013. They also completed an energy retrofit with improved insulation, air sealing, and an on-demand hot water heater.

❖ LAFERTE/BJORLING INSTALLATION - 7545 32nd Ave NW

Darryl Laferte and Elin Bjorling are owners of a 6.24 kW solar PV system, which produces about twice as much electricity as they use in the summer months. This allows Darryl and Elin to rack up credits on their City Light bill, to be used throughout the winter.

❖ REEVES INSTALLATION - 2829 NW 59th St

Jo Reeves installed a 4.3 kW Itek Energy system this year, courtesy of Puget Sound Solar. In order to bring her home up to current electric code, Jo needed to move the 1938 electrical feed and meters to a new location.

Phinney Ridge Solar Tour (Local Map Available)

Phinney Ridge boasts solar installations galore—which makes for a great opportunity to walk around the neighborhood and chat with local solar enthusiasts! This 1 mile route snakes past six solar homes in the vicinity. One not-to-be-missed highlight is the home headquarters of local solar installer Puget Sound Solar, which boasts three solar PV systems, solar hot water, electric vehicles, chickens and more. We recommend finding a clear spot to peer westward down Phinney Ridge to Ballard—see how many more solar homes you can spot from your birds-eye perch!

❖ HOUSE/FITZPATRICK INSTALLATION - 6035 1st Ave NW

Peter House and Anne Fitzpatrick were the first homeowners to install solar through the Solarize Seattle: Northwest program. Their 4.0 kW solar PV system was manufactured by Marysville-based Silicon Energy and installed by Artisan Electric. Peter and Anne track power production with a TED monitoring system, which links to an app on their smart phones.

❖ WHALEY/FADICH INSTALLATION – 204 NW 58th St

Colleen Whaley and Nick Fadich's solar PV system was installed by Artisan Electric this year. The 4.0 kW system uses Silicon Energy modules, and Colleen and Nick are able to monitor power production via computer and smart phone. They have even noticed that the bedroom under the system has stayed cooler this summer!

❖ BUI INSTALLATION - 5571 Greenwood Ave N

Pipo Bui's home features a 2.4 kW solar PV system manufactured by Marysville-based Silicon Energy. Puget Sound Solar installed the system in 2013. *[Please note: this is a pass-by only site.]*

❖ GRIFFIN INSTALLATION - 204 N 54th St

Duncan Griffin's home features a 3.2 kW SolarWorld solar PV system, manufactured in our neighbor state Oregon. The home is proof that you don't need a south-facing roof to go solar! Panels cover the east and west faces of Duncan's roof to maximize solar potential. The system was installed by Artisan Electric this year.

❖ BURTON/SMITHSON INSTALLATION - 5308 Baker Ave NW

Pam Burton and Jeremy Smithson's home is a model of sustainability. The residence doubles as headquarters for Pam and Jeremy's solar installation company, Puget Sound Solar. It features not one but three solar PV systems totaling 9.0 kW, solar hot water, three electric vehicles for home and business use, a rainwater catchment system comprised of 17 rain barrels, a guerilla vegetable garden, and chickens. Pam and Jeremy currently use just 14% of the energy they used when they moved into the house. You've got to see it to believe it!

❖ MELBY/RAIBLE INSTALLATION - 119 NW 51st St

Bess Melby and David Raible's home features a 4.8 kW solar system manufactured by Bellingham-based Itek Energy. The system was installed by Puget Sound Solar this year. As proof that solar really is contagious, a neighbor's solar system can be seen from Bess and David's porch.

Fremont/Wallingford Solar Tour (Local Map Available)

Have you ever had a solar-powered cup of coffee? Start your morning with a hot beverage from Fremont Coffee Company—they're offering a 25% discount for tour participants, and a free tour of the solar hot water and electric systems that power their business. Next, ride your caffeine buzz past the Fremont Troll and over to Wallingford, where a host of solar homeowners are eager to show off their solar systems. Weather permitting, this is 2 mile route is great for a walk, jog, or bike ride!

❖ FREMONT COFFEE CO. INSTALLATION – 459 N 36th St

Lucky you—there is solar hot water, electricity and coffee at this stop! **Stop by Fremont Coffee Company and show your Solar Tour map for 25% off your order!** Chris Webb will be on hand to show off the 100 tube solar hot water system installed by Sunergy Systems and the solar PV system installed by Artisan Electric. Head around to the back seating area to view the systems.

❖ MORRIGAN INSTALLATION – 1553 N 38th St

McKenna Morrigan's 2.64 kW solar PV system is installed on a standing seam metal roof. The system includes panels from Bellingham-based Itek Energy and Enphase micro-inverters. The Enphase monitoring system makes it easy to track system performance on the web. Ask for a demo!

❖ SEWELL INSTALLATION – 3926 Densmore Ave N

Linda Sewell's 3.4 kW system uses 17 panels and an inverter from Marysville-based Silicon Energy. The system was installed by Puget Sound Solar. Linda monitors performance with the EnergyMinder app provided by eGauge. Installed this August, the system has offset all residential consumption thus far.

❖ KILDALL INSTALLATION – 4310 Wallingford Ave N

Kristin Kildall's Wallingford home features both solar electricity and solar hot water. The systems are best seen from the alley, which can be accessed between Wallingford Ave and Burke off of N 43rd Street. *[Please note: this is a pass-by only site.]*

❖ ACHTERMAN INSTALLATION – 4416 Thackeray Pl NE

Peg Achterman's 100 year old home features a new 3.8 kW solar PV system from Bellingham-based Itek Energy. The system was installed this year by Puget Sound Solar. The system's Enphase micro-inverters monitor real-time power production, and Peg has monitoring printouts available for viewing.

Central District Solar Tour (Local Map Available)

The Central District's solar features a host of intriguing solar applications, including a several solar-powered electric vehicles and a dual axis solar tracking system. Don't miss your chance to see how neighborhoods all over the Central District are producing clean, renewable energy for present use and generations to come!

❖ SMITH INSTALLATION - 1507 42nd Ave E

Craig Smith has two solar PV installations, enough to provide power for his home and his electric vehicle—a Tesla P85. The two systems total 7.8 kW, with Sanyo modules on the home and Itek Energy modules on the garage.

❖ BLOXOM INSTALLATION - 921 12th Ave E

The Bloxom home features a mast mounted, dual axis solar tracking system, which can be found in the backyard. System owners were looking to optimize solar access by keeping the solar PV system perpendicular to the sun, while giving his yard an active, moving design element. Since its original installation five years ago, the installation has been upgraded to made in Washington modules and inverters. The backyard system can be accessed through a gate on the building's left.

❖ HELLER INSTALLATION - 738 10th Ave E

Gregory Heller's Capitol Hill home features a solar PV system from Marysville-based manufacturer Silicon Energy. The system was installed by A&R Solar, who will have a representative on-site during the tour.

❖ DEVINE INSTALLATION - 1830 Martin Luther King Junior Way

Mia Devine and Chris Henderson's solar PV system was installed last year with micro-inverters, which allow real-time display of power production from each PV panel. In addition to solar PV, Mia and Chris have a solar hot water system, ductless heat pump, and other energy-efficiency measures resulting in close to net-zero annual energy consumption

❖ MATTHEWS INSTALLATION - 1437 20th Ave

Henry Matthews' 2.88 kW solar PV system was manufactured in Washington with Itek Energy panels and Blue Frog micro-inverters. Puget Sound Solar installed the system last year and it has proven to reduce summer electric bills considerably.

❖ SINGER/HIGANO INSTALLATION - 3515 E Spring St

Jack Singer and Tia Higano's 9.0 kW solar PV system was installed by Puget Sound Solar in 2012. *[Please note: this is a pass-by only site.]*

❖ REAMER INSTALLATION - 803 24th Ave S

Grace Reamer's solar PV system features Enphase micro-inverters and the accompanying monitoring system, which allows for real-time display of power production. Grace also has an electric car, which is partially powered by her solar system. The solar system was installed by Puget Sound Solar. Ask Grace about the tax benefits of going solar and purchasing an EV!

South Seattle Solar Tour (Local Map Available)

Join Seattle City Light and Northwest SEED at 10:30AM at the Jefferson Community Center for a pre-tour presentation on solar in Seattle! After the presentation, head on over to the city's inaugural Jefferson Park Community Solar Project to check out the solar picnic shelters. The remainder of the South Seattle Solar Tour features a cluster of stop and chat sites in Columbia City and Seward Park, a pass by only site in Beacon Hill, and the Georgetown headquarters of local installation firm Artisan Electric.

❖ JEFFERSON PARK COMMUNITY SOLAR SHELTERS - 3801 Beacon Ave S

Seattle City Light built three picnic shelters at Jefferson Park, which uses Silicon Energy PV panels to double as a roof. The large shelter sports 12 kW of panels, while the smaller twin shelters have 6 kW apiece. The electricity generated by the solar roofs is credited to 450 Seattle City Light customers who bought into the project.

❖ ANDREWS INSTALLATION - 1610 S Bayview St

Adam Andrews' Beacon Hill homes features a solar PV system, installed by NW Wind & Solar. *[Please note: this home is a pass-by only site.]*

❖ RUDENSEY/ALLEN INSTALLATION - 4512 38th Ave S

Lyle Rudensey and Bob Allen have solar hot water, solar PV, and an efficient heat pump system that provides cooling in the summer and heating in the winter. Lyle and Bob's electric bill this summer has been just $28/month!

❖ ARTISAN ELECTRIC HEADQUARTERS - 969 S Nebraska St

For an up close look at a variety of solar modules and inverters, visit the South Seattle headquarters and warehouse of local installer Artisan Electric. Employees will be present to answer any solar questions visitors might have. Visitors will have the opportunity to sign up for a free site assessment.

❖ DEROSAS/PETERHANS INSTALLATION - 4730 S Pearl St

The deRosas/Peterhans home features a 6.72 kW solar PV system manufactured by Bellingham-based Itek Energy. They also installed a Daikin mini-split heating/cooling system and Airgenerate heat pump hot water heater. Puget Sound Solar installed all three systems. Since making the solar and heating upgrades last year, they have produced over 6,000 kWh and consumed slightly less than that, making their home an energy generator—better than net zero!

❖ GORDON INSTALLATION - 5307 S Hudson St

The Gordon's 5.2 kW Silicon Energy Modules and Inverter were installed by Northwest Mechanical in early 2013.

West Seattle Solar Tour (Local Map Available)

West Seattle's solar tour features a host of solar enthusiasts, advocates, and installers. Homes are organized into approximate north and south clusters—feel free to visit both ends of the tour, or simply visit those sites that are close to home!

❖ AFFLECK INSTALLATION - 2715 37th Ave SW

Robert Affleck's solar PV installation uses Enphase micro-inverters and monitoring to measure real-time power production. The system was installed by West Seattle Natural Energy.

❖ KANNAS INSTALLATION -2300 48th Ave SW

Dave Kannas' home features a 24-panel solar PV system, manufactured by SolarWorld with Enphase micro-inverters and monitoring. It was installed this year by West Seattle Natural Energy. His net energy use in August was almost zero and he will receive a $297 check from City Light for power produced between March and August!

❖ BELL-WAY INSTALLATION – 5054 SW Grayson St

Ted Bell and Kathy Way's home features an evacuated tube solar hot water system for domestic hot water use, installed in 2009 by Puget Sound Solar. The home also features a hydronic-in-floor heating system.

❖ LANE-CUMMINGS INSTALLATION - 5330 SW Orleans St

Kevin Lane-Cummings has a 5.46 kW installation with Marysville-based Silicon Energy modules and inverters and a TED monitoring system. The system was installed by Artisan Electric.

❖ CRISALLI INSTALLATION - 1600 SW Graham St

Karen Crisalli's 7.02 kW PV system was the largest in West Seattle when it was installed by Artisan Electric a year ago. For a large household that uses a lot of electricity, the impact has been dramatic!

❖ HUGHES INSTALLATION - 6921 34th Ave SW

Keith Hughes' home is the headquarters for solar installation company West Seattle Natural Energy. The home features an 8.3 kilowatt SolarWorld solar PV system and a 30-tube Apricus solar hot water system. The shop features more solar PV and hot water. Both systems use Enphase micro-inverters.

❖ SHOEN INSTALLATION – 6911 34th Ave SW

Next door to West Seattle Natural Energy is Marvel Shoen's home—the newest solar installation on the Tour! Visit the 2.12 kW PV system, with Solar World modules and Enphase micro-inverters.

❖ HUPPE/LEWIS INSTALLATION - 7011 46th Ave SW

Bob Huppe and Maggie Lewis' home features a 16-panel solar PV system, which has produced 3,000 kilowatt-hours since its installation in 2012 by Artisan Electric. The solar system has offset approximately 60% of Bob and Maggie's electrical use for the year.

❖ WRIGHT INSTALLATION - 2222 SW Thistle St

John and Lori Wright installed a 22-panel solar system in June 2012 with Puget Sound Solar. John and Lori also installed a heat pump, which allowed them to reduce their diesel usage for heating by 75-85%. This year, their June/July utility bill was a credit—even with some heat pump air conditioning!


8th Ave NW
Kenmore
522
99
5
North Seattle
Northwest Seattle
Meadowbrook
522
Green Lake
Kirkla
Discovery Park
Magnolia
Queen Anne
36th St
99
Montlake
520
Clyde Hill
Lake Washington
Medina
Central
Seattle
Bell
Hamilton Viewpoint Park
Bizal Park
99
90
5
Baker
Mercer Island
West Seattle
Georgetown
Rainier Valley
Lowman Beach Park
SW Thistle St
White Center
5