



CITY FACT SHEET: SEATTLE

Project Objective

The US Department of Energy-funded *Making the Case for Smart, Shared, and Sustainable Mobility Services* project seeks to identify effective pathways to accelerate the electrification of shared mobility services. The project, led by the City of Seattle and Atlas Public Policy, brings together the U.S. Department of Energy and major industry stakeholders with the cities of Seattle, New York, Portland, and Denver to test different electric shared mobility interventions. Project teams in each city will focus on one type of market intervention and analyze the impact on electric vehicle adoption and electric miles traveled by carshare and ride-hail services. The project will create a replicable blueprint that sets an example of how to electrify shared fleets across the United States.

What's happening in Seattle?

The Seattle Department of Transportation (SDOT) is the principal investigator of the *Making the Case for Smart, Shared, and Sustainable Mobility Services* project and manager of the Seattle project. In close collaboration with the Seattle Office of Sustainability and Environment, Seattle City Light, ReachNow, eluminocity, and other shared mobility and electric vehicle infrastructure stakeholders, SDOT will test whether strategically siting charging stations around shared mobility hubs will increase the use of electric vehicles in shared mobility services.

Seattle's Shared Mobility Hub program intends to aggregate transportation connections, travel information, and other mobility amenities into a seamless, understandable, and on-demand travel experience. SDOT is developing a dense network of shared mobility hubs throughout the city, co-located with major transit facilities and in places where frequent transit services intersect. A key objective for shared mobility hubs is to advance the use of electric carshare and ride-hail vehicles by accommodating fast charging at or very near hub locations.

Early actions to implement this grant include a vehicle charging siting analysis at shared mobility hub sites to determine which locations have the greatest potential to facilitate electric shared mobility. The project team will then use that analysis to help guide and fund the installation of dozens of charging stations at shared mobility hubs across Seattle. Seattle will partner with shared mobility companies track charging

station use and electric miles traveled. With this project, Seattle aims to strengthen the relationship between electric shared mobility, high quality transit, and living in dense transit-oriented neighborhoods.

The grant-funded program has an anticipated impact of 13.5 million electric vehicle miles traveled, which has the cumulative savings of 450,000 gallons of gasoline.

**Seattle,
leading by
example**

Seattle is ranked as one of the top markets for electric vehicles and its reputation as an electric transportation hub is growing. The City's Drive Clean Seattle initiative is a comprehensive approach to electrifying the transportation sector at scale and the City's EV work is centered around its climate strategy to be a carbon neutral city by 2050. Thanks to carbon neutral electricity from Seattle City Light, electric vehicles in Seattle are truly zero emission vehicles.

In addition to being a leader in electric mobility, Seattle is also a hub for other emerging and innovative mobility services. As transportation becomes increasingly shared, active, self-driving, and electric, and data-driven, Seattle is planning ahead to ensure the fast-paced changes in mobility help us create a safe, equitable, sustainable city serving our diverse needs. SDOT's recently published New Mobility Playbook will position Seattle to encourage and guide innovation in transportation technology, reorganizing our streets to grow healthy communities and vibrant public spaces.

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