

Environmental Sustainability Action Plan

E-Mobility Overview

Background

Over the past year, the City adopted the updated 2025 Environmental Sustainability Action Plan and the Transportation Master Plan (TMP), establishing a unified vision for a cleaner, more efficient transportation system. Together with Redmond 2050, the City is prioritizing strategies to reduce vehicle miles traveled and transportation emissions by expanding mobility choices, reducing reliance on single-occupancy vehicle trips, and making it easier for people to choose low-carbon transportation options.

Transportation accounts for approximately 23% of Redmond's 2024 communitywide greenhouse gas emissions. This summary highlights efforts to implement the TMP E-Mobility Strategy and the ESAP's *Big Move 3: Provide Accessible and Sustainable Transportation*. This work is a collaborative effort between Executive, Public Works, Parks, and Planning departments.

Current State

In 2025, 11% of the vehicles registered in Redmond were electric or plug in hybrid vehicles and 10% were hybrid vehicles. It is estimated that by 2030 the city will have 16,000 electric vehicles on the road. To support these vehicle charging needs, it is estimated Redmond will need approximately 875 public Level 2 charging ports. This is a significant increase from the 107 public ports available today.

E-Mobility Priorities

As the City transitions from e-mobility planning to implementation, it is prioritizing three key buckets of work, including increasing access to electric mobility options, catalyzing community-hosted infrastructure, and leading by example within City operations. This body of work is quickly evolving and growing, but key program highlights are summarized below.

1. Expand Access to Community Charging and All Electric Active Mobility Options

To ensure that all residents can benefit from electric transportation options, regardless of socioeconomic status, the City is prioritizing solutions to expand options for residents who cannot charge at home, or cannot access the transit system.

Highlights

- In June, the City launched the Pedal Forward Ebike Rebate program in partnership with the cities of Issaquah and Bellevue. Rebate applications closed on June 29, and the City received more than 367 eligible applications. The City anticipates distributing around 40 income qualified and 60 standard rebates to Redmond residents. The program is partially funded through a PSE Transportation Emissions Reduction Grant.
- The Redlink EV shuttle pilot launched in March of 2026 to address the short vehicle trips that are often a barrier to community members accessing light rail. The grant funded pilot will run until June of 2027.
- After the successful 2019 micro-mobility pilot, the City contracted with Lime as the primary micro-mobility program vendor beginning in January of 2025. Since 2019, the program has served over 300,000 riders with an average trip length of 0.8 miles. Approximately 136 ebikes and scooters are available each day in Redmond.

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2. Catalyze Community Infrastructure Through Codes, Policies, and Partnerships

The City plays a key role in shaping the conditions that make EV adoption easy, affordable, and accessible for residents and businesses. Updating code, and permit requirements, and working with PSE will ensure that these systems work together to support the EV transition.

Highlights

- The City is participating in the free technical assistance program, Forth Mobility Charging Smart Program, to review the city's codes and policies and identify barriers to EV infrastructure installations and inform future code updates.
- As part of Redmond 2050 code package, Redmond now requires all new multifamily parking to be 100% EV ready. This compliments state requirements that all new single-family homes with off-street parking must include at least one EV ready parking space, and all new commercial and multi-family housing must have 10% of spaces with installed chargers and 10% of spaces that are EV ready.
- The City formed an Internal Autonomous Vehicle Working Group to develop goals, guiding principles, and a policy framework in anticipation of future legislation and industry engagement.
- The City partnered with PSE to install two PSE-owned curbside pole chargers in the Marymoor Village neighborhood. This will add public infrastructure to an area with minimal public charging. Construction is scheduled to begin in late July.

3. Modernize City Operations

In 2024, the City fleet accounted for 28% of City operations GHG emissions. The City is prioritizing fleet rightsizing, electrification, and the use of clean fuels to reduce emissions. The current fleet has 17 EVs, 6 plug in hybrid EVs, 19 hybrids, and 39 bi-fuel (propane) vehicles. These vehicles are supported by 28 dedicated fleet charging ports.

Highlights

- In 2023, the City began purchasing renewable diesel for medium and heavy duty fleet use which has reduced fleet emissions by 50% overall. Renewable diesel is chemically equivalent to petroleum diesel, but is made from used cooking oil, tallow, and canola and can be swapped 1 for 1 with petroleum diesel without engine modifications.
- An additional 24 charging ports will be installed in City Hall garage for fleet and employee charging to support ongoing electrification efforts. Construction began in July.
- The City continues its commitment to EVs and advancing heavy duty fleet electrification with the pending addition of an EV street sweeper and second EV fire engine.
- The City initiated an Investment Grade Audit of the Public Safety Building to assess the feasibility and cost of installing charging infrastructure. The building electrical capacity has limited EV infrastructure growth and the IGA will identify more detailed information to support future planning.

Looking Ahead

The City continues to take a coordinated, long-term approach to e-mobility efforts by aligning infrastructure investments, operational planning, policy, and community partnerships. Together, these efforts are laying the foundation to reduce community GHG emissions, support the transition to electric vehicles, and expand access to cleaner, more sustainable transportation options for the community.