

**City of
Bellevue**



Transportation Commission Study Session

DATE: September 2, 2021
TO: Chair Marciante and Members of the Transportation Commission
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SUBJECT: Mobility Implementation Plan – Environmental Sustainability Metrics

DIRECTION REQUESTED

	Action
X	Discussion/Direction
X	Information

Part of the Mobility Implementation Plan scope of work is to incorporate performance metrics and performance targets for environmental sustainability. The performance of the transportation system is part of the approach to meeting environmental sustainability goals.

At the September 9, 2021 Transportation Commission study session, staff will review the [Environmental Sustainability Plan](#) performance metrics/indicators and targets that are related to transportation and will seek Commission direction to incorporate these in the Mobility Implementation Plan.

INFORMATION

The City Council adopted the Environmental Sustainability Plan on December 14, 2020, culminating more than two years of work by staff and the community to define the environmental trajectory for Bellevue.

At two study sessions with the Transportation Commission (January 30, 2020 and June 25, 2020), project manager Jennifer Ewing from the Community Development Department, shared information and received comment from the Commission on the draft Environmental Sustainability Plan. At those study sessions, Ms. Ewing reviewed the comprehensive approach to environmental sustainability, and the specific opportunities through the transportation system to achieve overall goals and targets. All of those targets reinforce Transportation Element policy TR-140. *Support means to reduce transportation-source greenhouse gas emissions.*

Environmental Performance

The Environmental Sustainability Plan describes Bellevue's commitment *"...to act boldly and aggressively to ensure Bellevue is a healthy, livable, sustainable, and prosperous "City in a Park" for decades to come."*

The Plan includes 5 "focus areas": Climate Change; Energy; Materials Management & Waste; Mobility and Land Use; and Natural Systems. Within the focus area of "Mobility and Land Use"

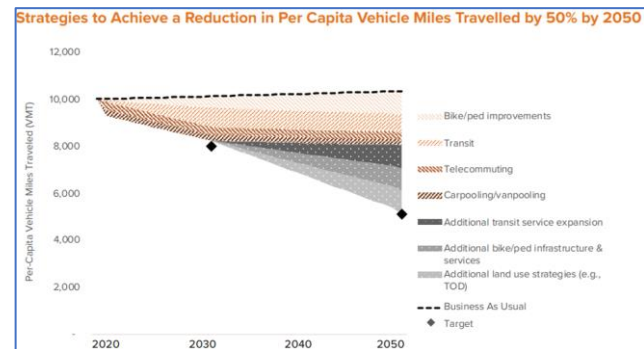
is the goal related closely with the Commission’s work on the Mobility Implementation Plan: *Minimize the environmental impacts of transportation and development in Bellevue by focusing development in growth centers and providing all residents with access to a variety of mobility options.* While the Mobility Implementation Plan does not address land use, it does describe how the transportation system will provide access.

Table 1 is a list of key performance indicators and targets that will advance this goal (short-term target of 2030 and long-term target of 2050). Drive-alone rate targets are already part of the Comprehensive Plan and the city monitors this indicator. Electric vehicle ownership is not part of the Mobility implementation Plan, however supportive infrastructure (electric vehicle charging stations) may now be installed curbside and further work on curbside management will get underway soon. Per-capita VMT is closely aligned with the Mobility Implementation Plan. Figure 1 demonstrates the separate and cumulative contribution of each mode toward reducing per capita VMT. Through the Mobility Implementation Plan and with each update of the Transportation Facilities Plan, the city can document progress toward environmental sustainability and plan for projects to address performance targets.

Table 1

KPI	Short-term	Long-term
Resident drive alone rate (% of residents)	60%	45%
Worker drive alone rate (% of workers)	65%	45%
Electric vehicle (% of registered vehicles)	25%	100%
Per-capita vehicle miles traveled (VMT) (% reduction)	20%	50%

Figure 1

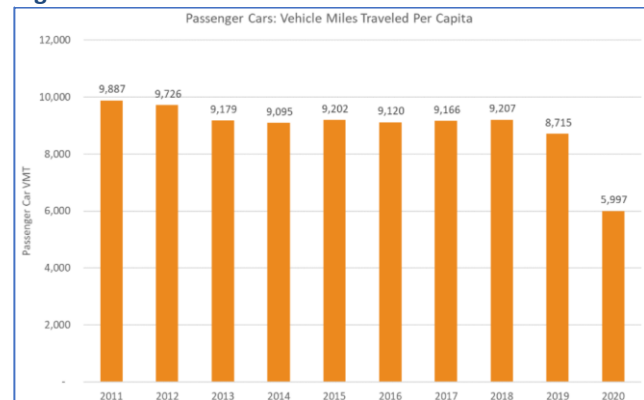


Environmental Performance Dashboard

To document progress, the Environmental Sustainability Plan includes monitoring and reporting through a [performance dashboard](#). Through periodic monitoring, implementation of projects may be adjusted as we learn the strategies that work well and the strategies that may need to be changed, or new strategies to create the intended sustainable future. One example of the ongoing performance monitoring is for the per-capita vehicle miles traveled. Figure 2

shows the gradual long-term reduction in per-capita VMT (the narrative that accompanies this graphic identifies remote working as a significant contributor to the dramatic drop in 2020). Ongoing monitoring of this and other metrics will help to inform transportation system interventions and investments.

Figure 2



NEXT STEPS

Staff recommends incorporating the Environmental Sustainability Plan metrics/indicators and targets into the Mobility Implementation Plan. The City will monitor and report on these indicators and this information will help inform mobility investments.