

Summary of the Mobile Sources Technical Review Subcommittee's Future of Mobility Report

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MSTRS Future of Mobility Overview

Objective:

- Given the emerging technologies and trends impacting the transportation sector, EPA sought detailed feedback from the MSTRS about EPA's role with respect to a range of future mobility paradigms

Structure:

- Each of the 35 subcommittee members self-selected into one of four subgroups: Vehicle Technology, Personal Mobility, Fuels, and Goods Movement
- EPA challenged each subgroup with a list of questions to initiate discussion
- From September 2019 through June 2021, the subgroups met and developed reports on their topics, assisted by an EPA moderator and scribe for each subgroup

10 Themes from the Future of Mobility Report

- 1) To meet the nation's GHG, criteria pollution, and other Future of Mobility goals, EPA should adopt a **comprehensive approach to decarbonizing the entire transportation sector** – e.g., accelerating the use of zero-emission vehicles (ZEV), decarbonizing the liquid fuels and the engines that will continue to be used in many applications, and finding ways to move people and goods in as sustainable and equitable a way as possible
- 2) **Good data and analysis will be critical** to meeting our Future of Mobility goals
- 3) EPA should consider ways to **integrate and prioritize principles of social equity, environmental justice, and mobility justice** in ways that have never been done before
- 4) EPA will need to identify and pursue ways to **increase collaboration across agencies and levels of government**
- 5) EPA should consider **solutions that are outside its traditional regulatory authority**

Future of Mobility Subgroup Highlights

Ten common themes (continued):

- 6) **Fuel-neutral, technology-agnostic performance standards will continue to be critical for both fuels and vehicles**
- 7) **Incentive, public education, and outreach programs will continue to be critical to accelerate deployment**
- 8) **EPA will need to consider new approaches to solve new problems and old problems (e.g., legacy vehicles that may need to be retrofit or retired), some of which are beyond EPA's traditional role**
- 9) **EPA should consider additional strategies that will be needed for hard-to-electrify components of the legacy and future fleets**
- 10) **There is no "silver bullet"**