

THINK BIG – Action to Reduce Emissions

At the Local Level

Demetra McBride, Office of Sustainability
and Environmental Management

Rich Dooley, AIRE

Rebecca Moser, AIRE

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**ARLINGTON
VIRGINIA**





THINK BIG - Core Framework for Reducing Emissions

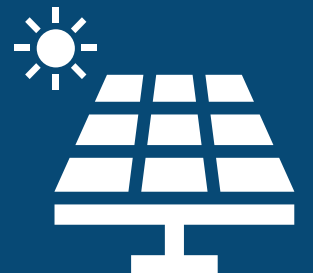
- THINK BIG was developed internally in 2022 to inform programs, projects, policies and other implementation strategies under Arlington County's Community Energy Plan.
- This approach now influences the AIRE Program for County emissions-reductions actions across all sectors.



THINK BIG - Core Framework for Reducing Emissions

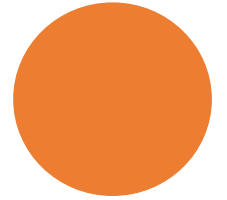
Arlington aggressively implements an “all-of-government” emissions-reduction strategy.

- With commercial operation of the Maplewood Solar Farm in Dec 2022, Arlington County will achieve 100% renewable energy for government electricity use, 3 years ahead of the Board’s 2025 target date.
- Q4 2022 will also see completion and use of the Facilities Decarbonization Tool, developed by AIRE with Cadmus, to model, inform and measure government facilities upgrades and new construction (first in Virginia).
- Continuum of TOD/Smart Growth development with National Landing, Amazon HQ2, and Plan Langston Boulevard.
- AIRE pivoted its prior Implementation Framework to an operationalized Community Energy Plan Roadmap, adopted in June 2022. The Roadmap covers all six CEP sectors, and is structured along execution phases of 1-2 years, 3-5 years, 5-10 years, and long-term (beyond 10 years) implementation targets. It serves as a “climate calendar” for defining, timing and measuring success.

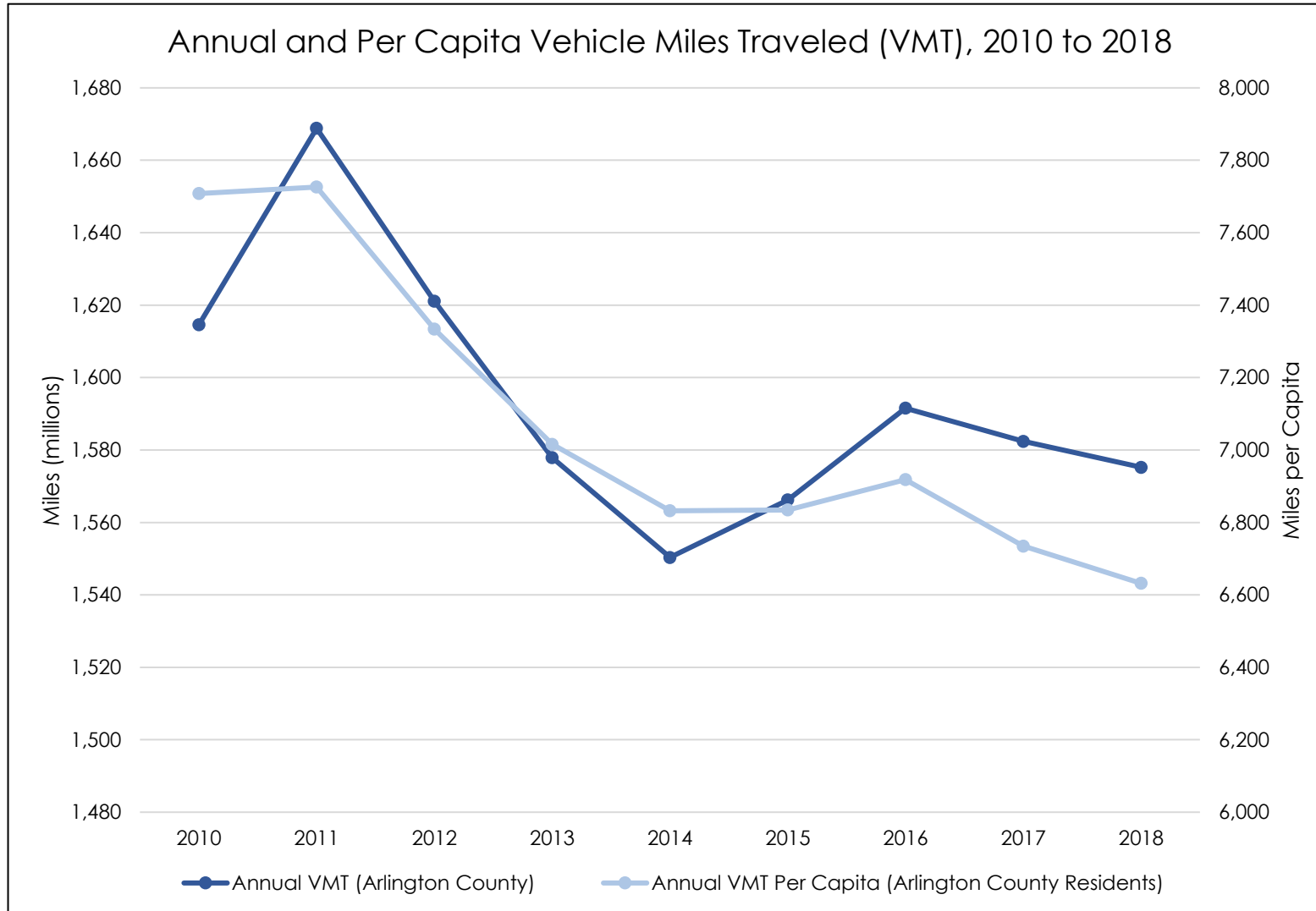


Selected Measures and Strategies - **Transportation**

- 15% of County non-emergency passenger fleet is EV – highest share in the NOVA region.
- EV School Bus Pilot (partnership among APS, Facilities, Equipment Bureau and AIRE).
- EV Rate Ordinance adopted by the Board in June 2022.
- ARTBus Zero-Emissions Study – moving into Board briefings later this year and completion Q1 2023. ARTBus is the only NOVA region 100% CNG municipal bus fleet.
- DecTrans Plan (Decarbonization of Transportation) – Government and Community.
- Total Cost of Ownership Comparative Study – completion Oct-30-2022.
- EVSE Capital Program for Government Fleet and Public-Access EVSE on Government Sites.



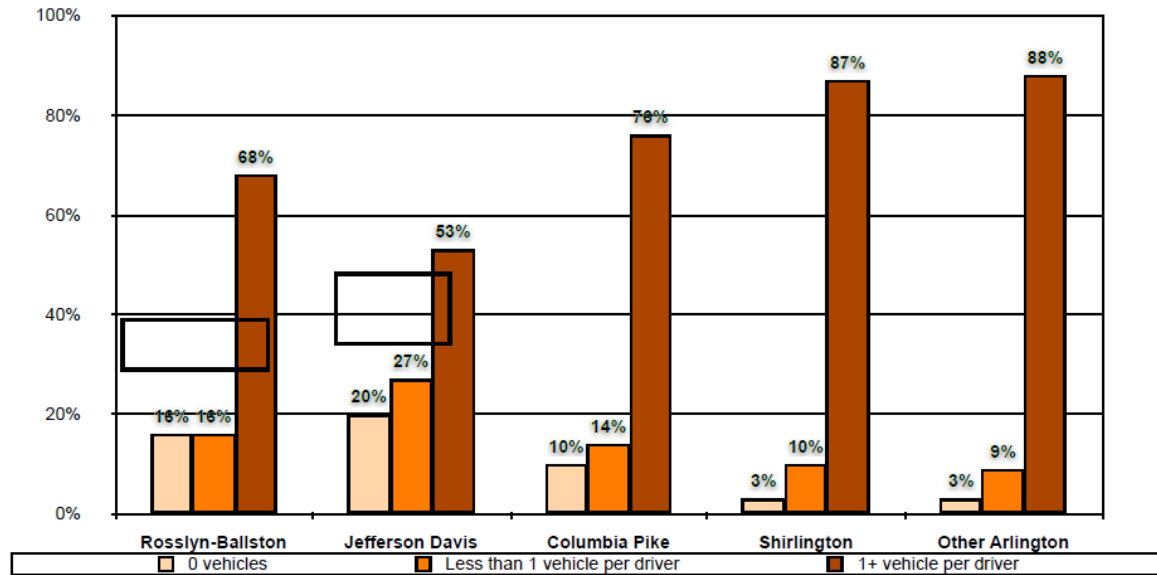
Annual VMT Declining Even With Ongoing Community Growth



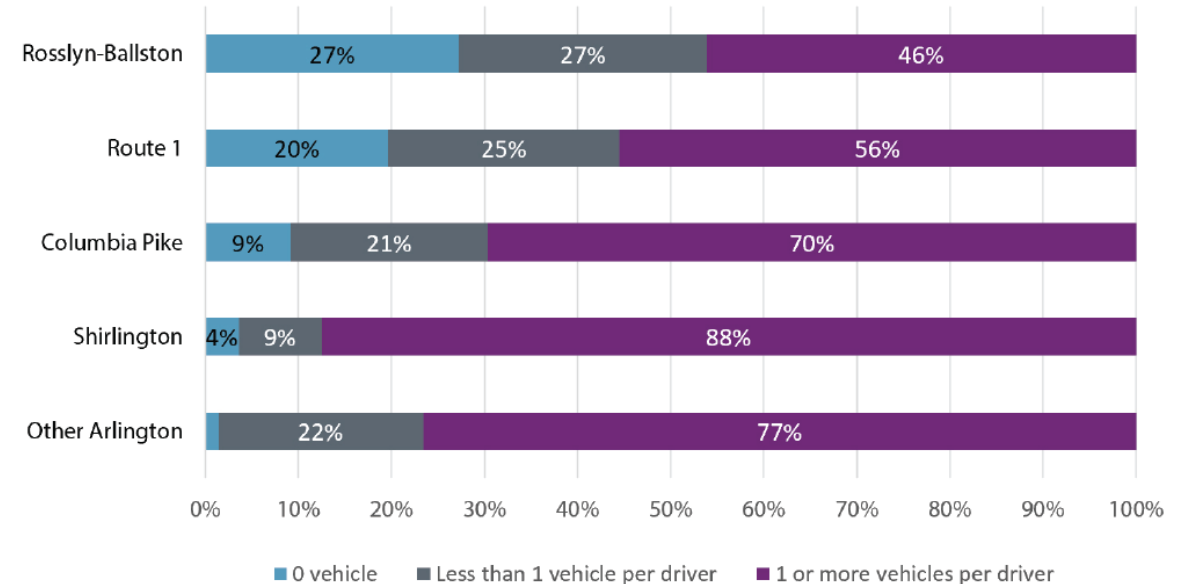
More Arlington Households are Going Car-less

Number of Vehicles Per Driver, Per Household, by Arlington Planning Area

2010 Household Travel Survey



2020 Household Travel Survey

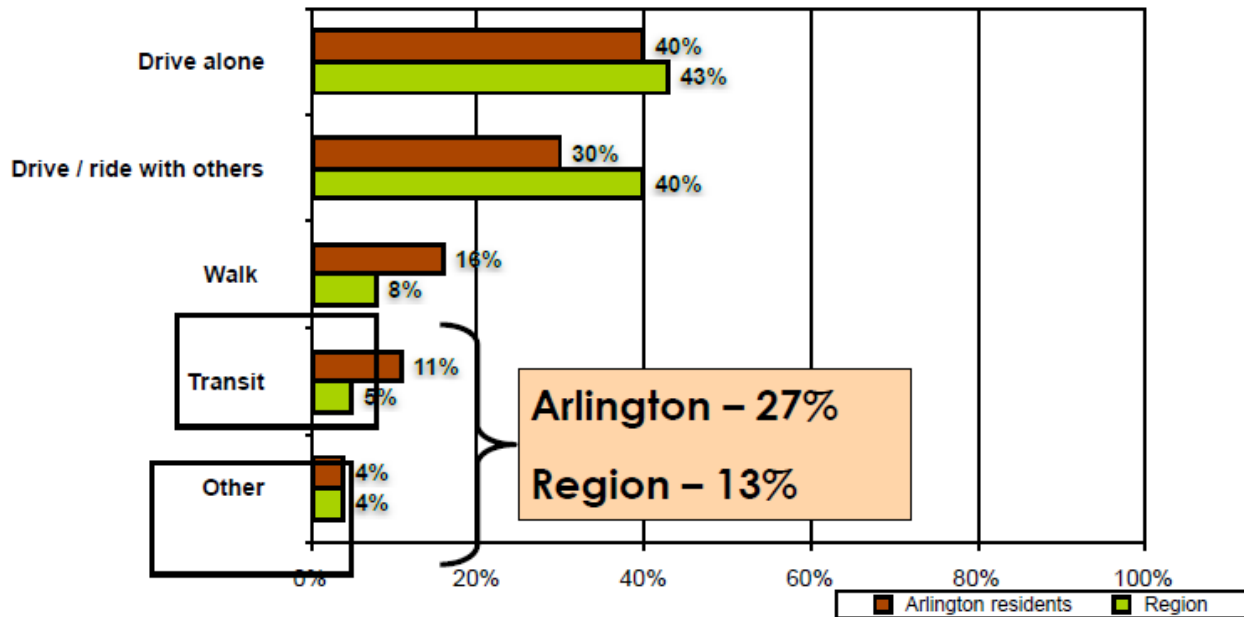


Sources: Arlington County Oversample and Special Analysis of MWCOC Regional Travel Surveys

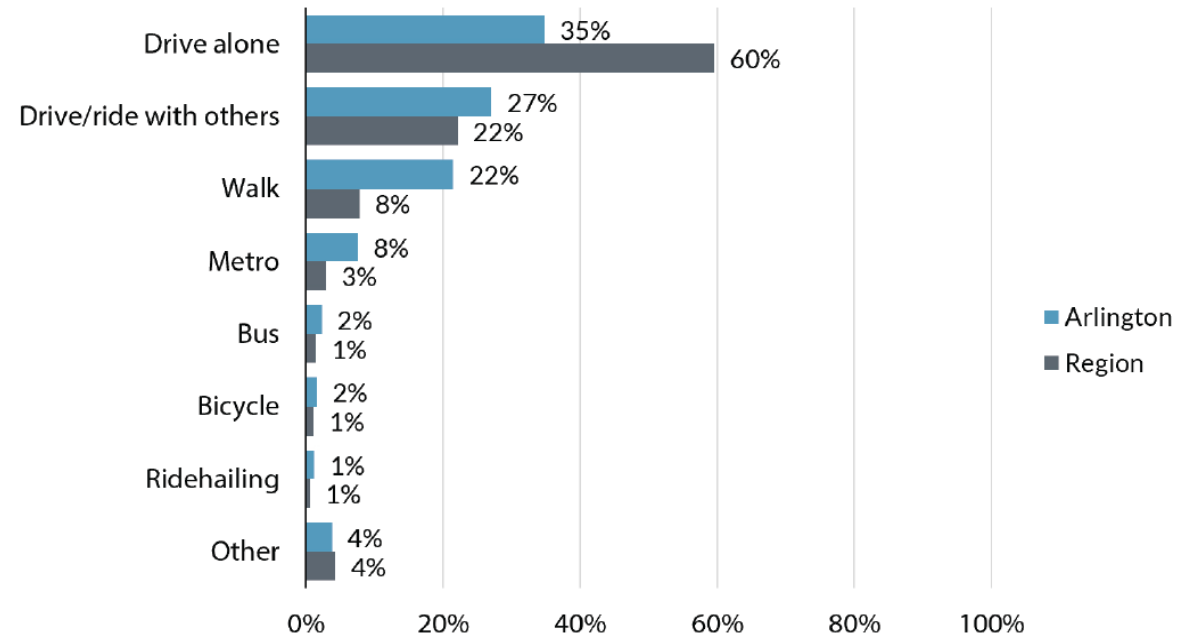
Arlington Residents Drive Alone Less and Use Non-SOV Modes More than the Region

Mode Split of All Daily Trips

2010 Household Travel Survey

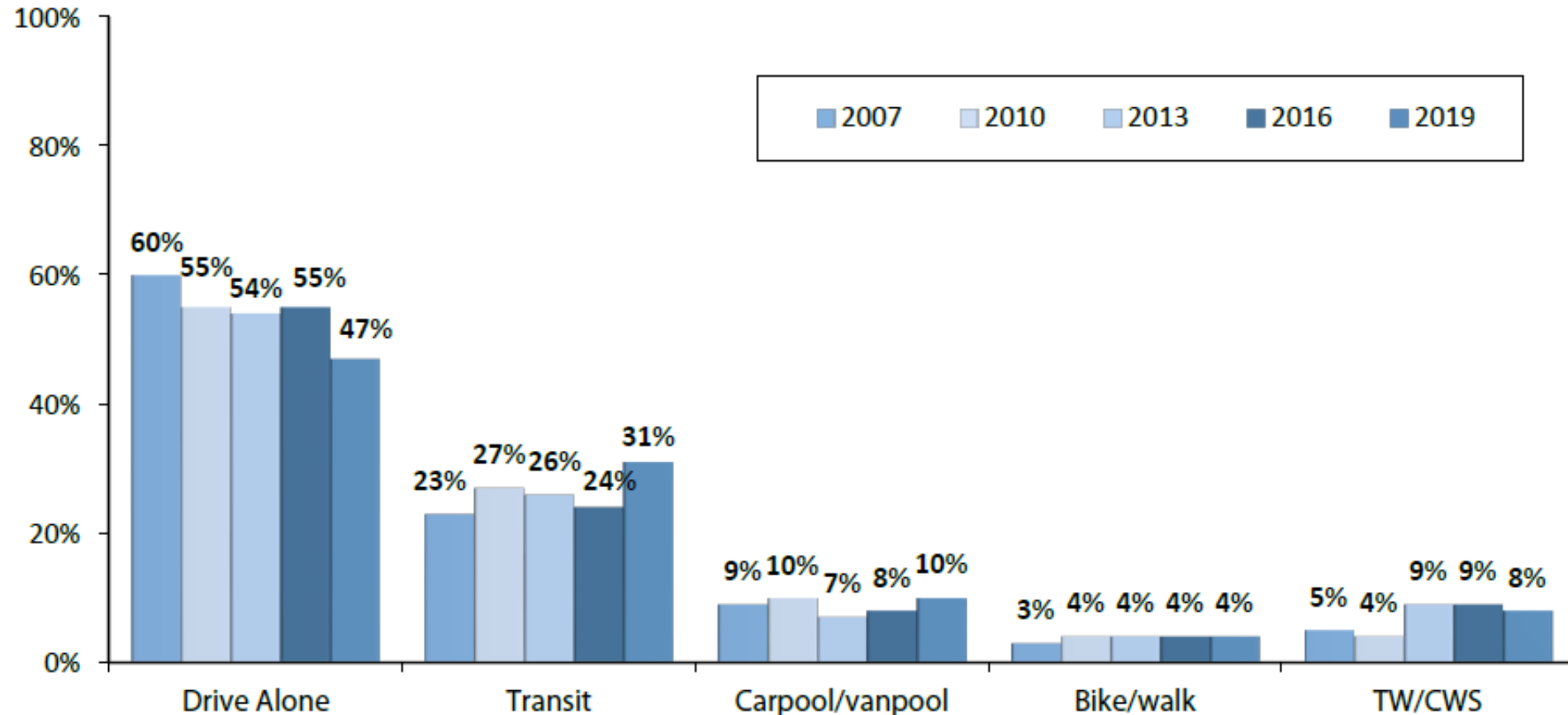


2020 Household Travel Survey



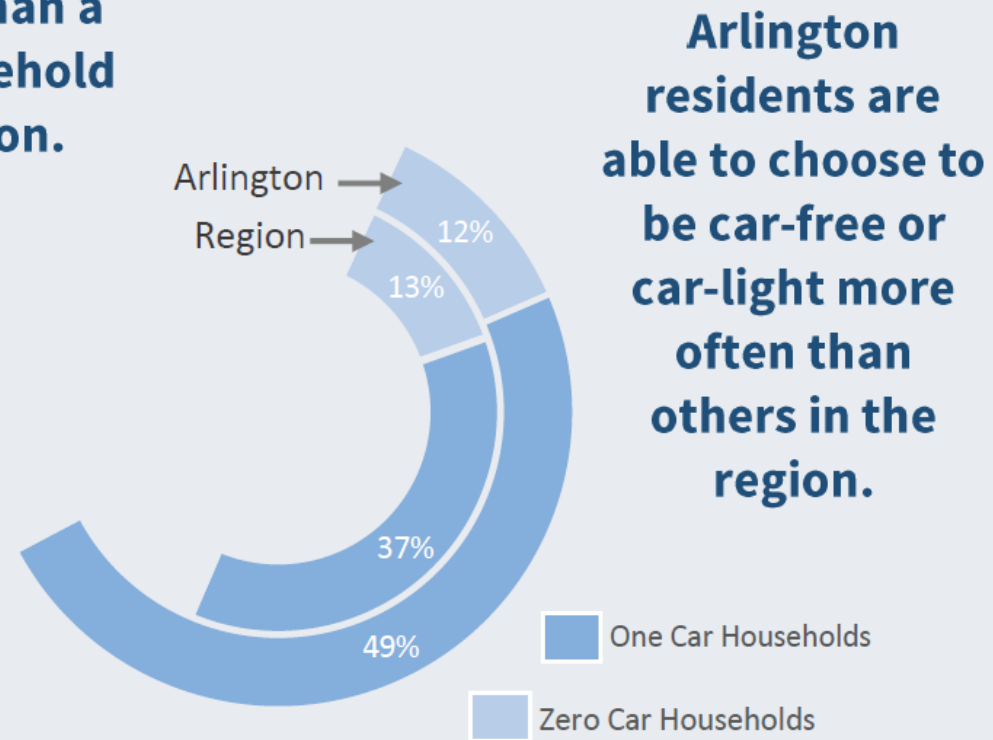
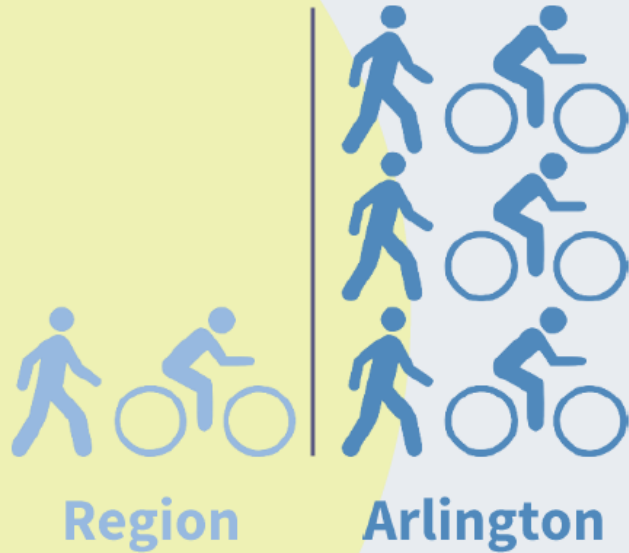
2019 State of the Commute - Arlington Results

Weekly Trips by Mode - for People Who Worked in Arlington



Arlington Residents Bike and Walk More

On an average day, Arlington households make three times as many bike and walk trips than a typical household in the region.





Questions?