The Idea: Zoning: EV Charging Infrastructure

- Cities can require or incentivize electric vehicle (EV) charging stations in new parking lots or decks through zoning ordinance revisions.
- Increased charging infrastructure will help to reduce ‘range anxiety’ for electric vehicle owners, leading to increased EV use and decreased tailpipe emissions.

The Action:

- Promote EV charging stations in new parking lots and decks in the region

The Pollution Source: On-road vehicles

The Cost-effectiveness: $479.65/lb of NOx

The Factors:

- Emission reductions will depend on how much influence “range anxiety” has over a driver’s decision making. To reduce emissions, charging station availability would need to increase a driver’s use or purchase of an EV vehicle rather than a conventional vehicle.
- Particulate Matter – Low co-benefit
- Greenhouse Gas – Medium co-benefit

1 Assuming $8,000 per level 2 charging station