



SEATTLE OFFICE OF
Sustainability & Environment

DRIVE CLEAN SEATTLE

On the move to a climate-friendly city

Joint Transportation Committee

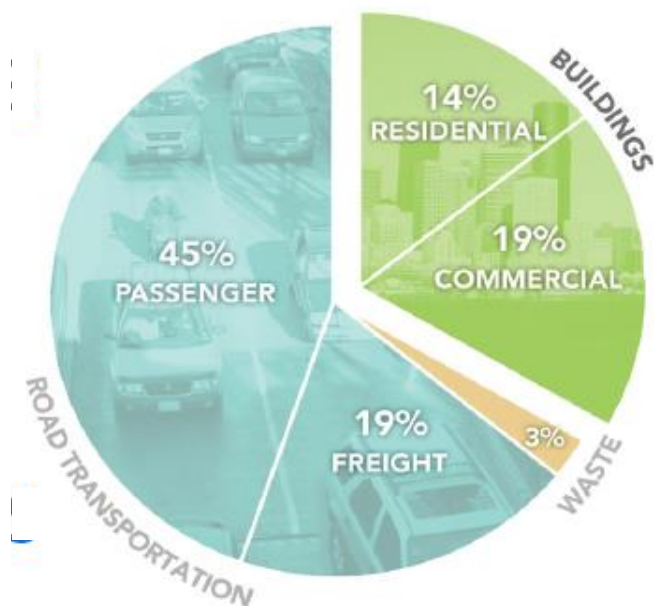
March 23, 2016

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ACTION

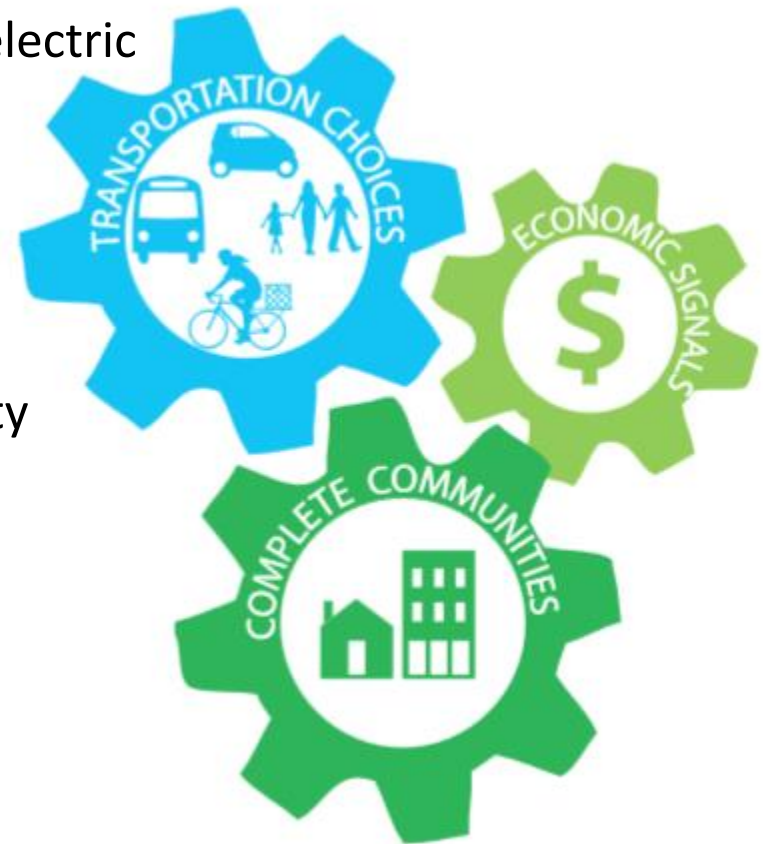


- Nearly 65% of the City's core greenhouse gas emissions are from the transportation sector
- Achieving carbon neutrality requires transitioning the transportation sector away from fossil fuels
- In developing Drive Clean Seattle, we are building on the legacy of Seattle City Light – leveraging clean electricity to replace oil.



Early objectives demonstrate the scope of Drive Clean Seattle

- Enable and support five-fold increase in electric vehicles – 15,000 EVs by 2025
- Transform the City fleet
- Reduce congestion and improve air quality
- Grow the clean transportation economy



Doubling down on West Coast EV leadership 15,000 EVs in Seattle by 2025



Image from blog.autoshopper.com

- Legislative clarity issue
- Get charging right
 - ✓ DC Fast Charging
 - ✓ Residential Charging
- Regional leadership and collaboration

Seattle Municipal Fleet: Leading by example

- 50% emissions reduction by 2025
 - ✓ Electrification
 - ✓ Cleaner Fuels
 - ✓ Idle Control
 - ✓ Green Technology
 - ✓ Vehicle Efficiency
 - ✓ Fleet Management



Clean electricity to reduce congestion and improve air quality



Sound Transit

- Continue to support electricity for transit solutions
- Collaborate with Equity and Environment Initiative
 - ✓ Equitable participation in electric economy
 - ✓ Air quality benefits to communities which need them the most
- Look for big wins in partnership with regional transit agencies

Transit Electrification Overview



- Major existing electric transit network
 - ✓ Electric trolley bus (ETB)
 - ✓ Link light rail
 - ✓ Streetcar

- Electric Bus future
 - ✓ ETB is proven
 - ✓ ETB big new current investments
 - ✓ ETB optimization and expansion
 - ✓ Battery bus goal: Replace diesel/hybrid buses

Transportation Electrification Environmental and Economic Benefit for Seattle

- Replacing oil keeps money in local economy
- Seattle is open for business
- Make Seattle a hub for electric mobility



electric cars for car2go's San Diego fleet. Courtesy car2go

Drive Clean Seattle Action Agenda

- ✓ Action #1: Transform the City of Seattle Fleet
- ✓ Action #2: Enable 15,000 EVs by 2025
- Action #3: Ensure equity in transportation electrification
- Action #4: Incorporate electricity into the sharing marketplace
- Action #5: Review codes and policies to identify opportunities to facilitate greater EV adoption
- Action #6: Deploy electric transit options to move Seattle
- Action #7: Build markets for advanced electric vehicles and clean renewable diesel



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