



Seattle City Light

# TRANSPORTATION ELECTRIFICATION STRATEGIC INVESTMENT PLAN

Presentation for 43rd District Environmental Caucus

August 10, 2020

## MEETING LOGISTICS - UPDATE

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- Please keep yourself muted during the presentation; the mute button and camera off button are active when red
- Use the chat box for submitting questions
- If you are having trouble connecting online, try calling in at **+1-206-207-1700** United States Toll (Seattle)
- Meeting ID: 146 955 2665





# WHAT IS TRANSPORTATION ELECTRIFICATION?

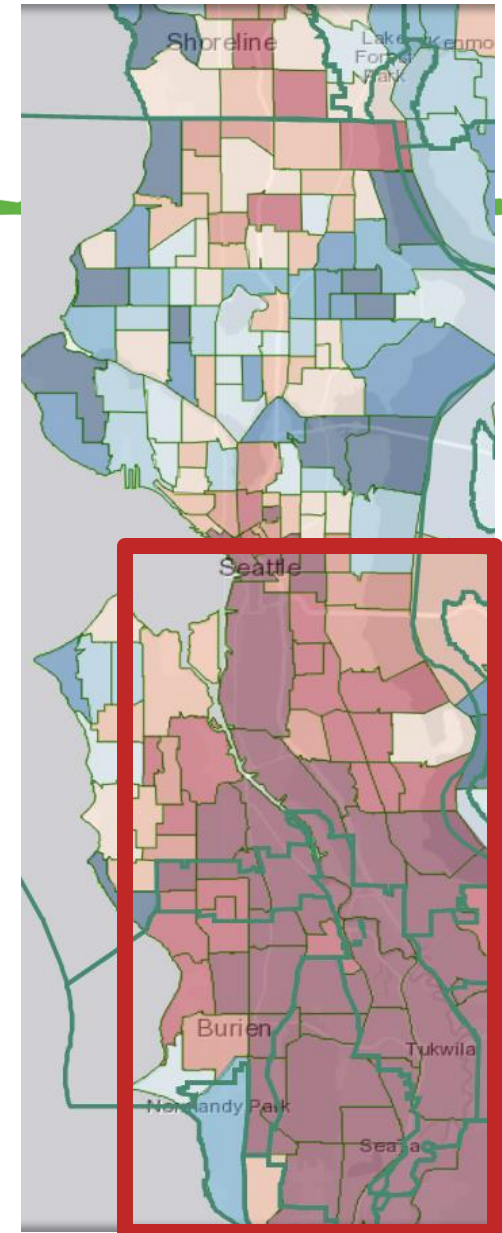
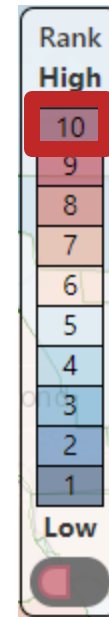
- Moving people, goods, and services around the greater Seattle area using Seattle City Light's clean electricity including:
  - buses
  - personal vehicles
  - rideshare
  - ferries
  - heavy-duty vehicles
  - goods delivery
  - local government and commercial fleets



# BREATHE EASIER

## DIESEL POLLUTION

**No dirty soot**  
comes out of  
tailpipes of electric  
buses or cars.

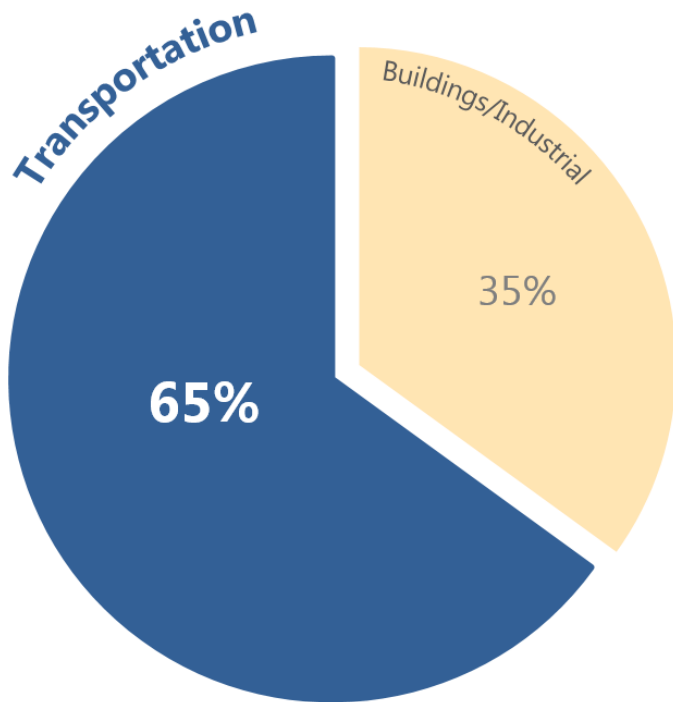


# REDUCE IMPACT

## GREENHOUSE GAS EMISSIONS



SEATTLE



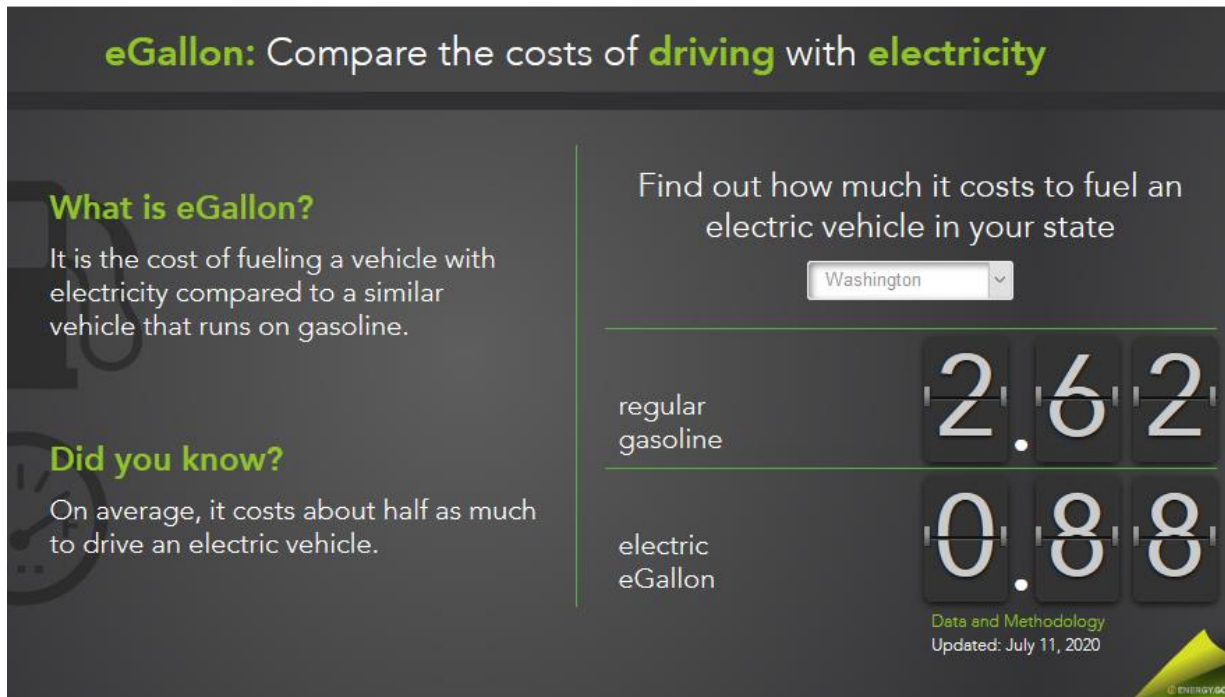
Vehicles powered by our clean electricity produce **zero carbon emissions<sup>1</sup>** and **do not contribute to our climate pollution.**

<sup>1</sup>Refers to well-to-wheel vehicle fuel emissions. Does not include upstream emissions sources from the production of electric vehicles.



# SAVE MONEY

## ELECTRIC VEHICLE FUELING PRICES

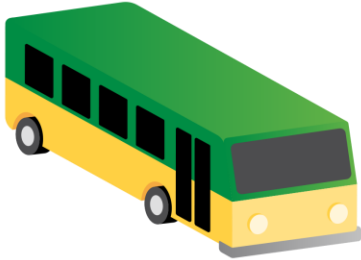


**Electric vehicles have 50% average annual operating savings over gas- powered vehicles.**



# CITY LIGHT'S ROLE

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Prepare for medium- and heavy-duty fleet electrification



Develop new rates and improve customer service

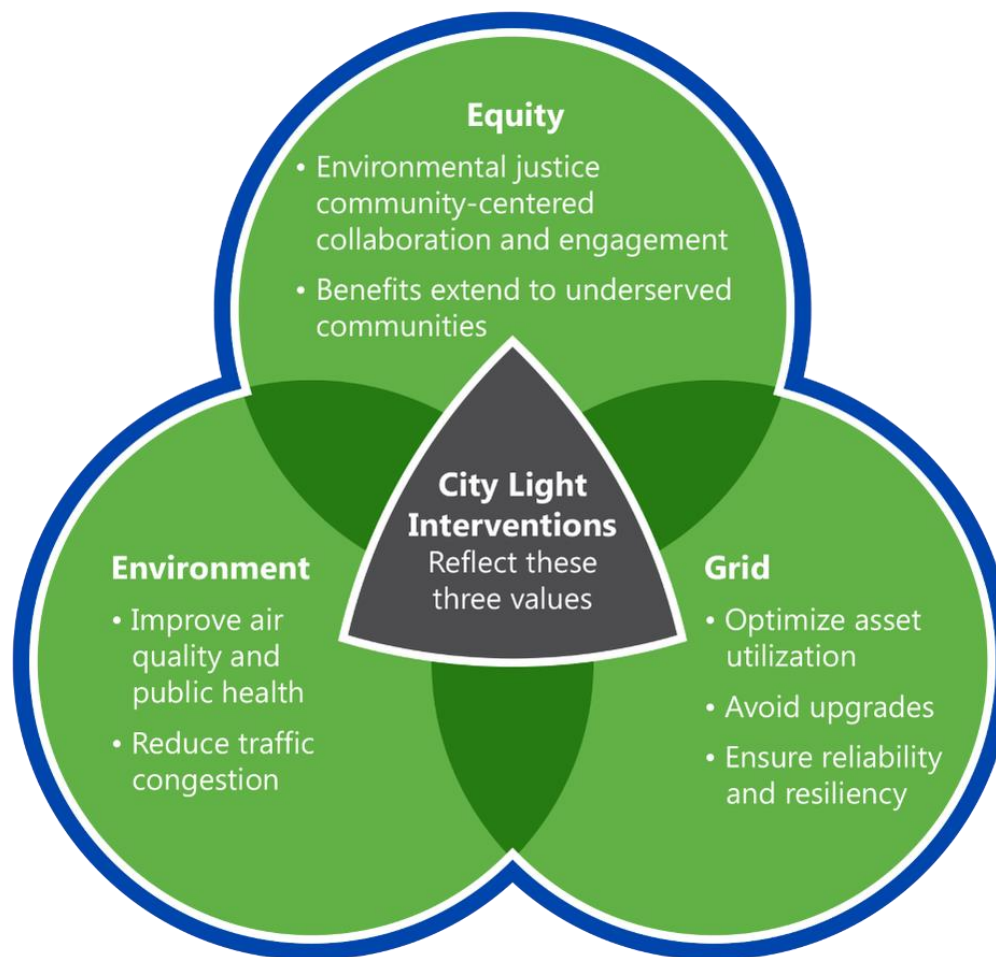


Invest in charging infrastructure





# CITY LIGHT'S VALUES FRAMEWORK





# HOW CITY LIGHT IS EMBEDDING EQUITY



# WHAT WE'VE HEARD SO FAR

What We've Heard from Community	Potential Solutions from Community
<b>Communities of color suffer from poor air quality and health disparities</b>	Prioritize these areas for investments
Need increased/improved public transit	Provide charging infrastructure for buses
<b>Most people are unfamiliar with EVs</b>	Support community-based education
Many community members cannot afford cars	Provide charging infrastructure for community carsharing
Provide economic opportunities for communities of color	Support economic opportunities related to transportation electrification
<b>Lack of access to charging for multifamily units</b>	Provide at-home and near-home affordable charging solutions
Without proper planning, public charging may contribute to increased housing costs, exacerbate community displacement, and increase the risk of gentrification	Utilize community-based decision making for public charging infrastructure to design and locate stations with community input



# TRANSPORTATION ELECTRIFICATION OUTCOMES



## **Community Assets**

City Light's programs invest in infrastructure that are community assets so environmental justice communities can enjoy the benefits of transportation electrification in their current neighborhoods.



## **Community Collaboration**

Environmental justice communities see their wants and needs reflected in City Light transportation electrification programs.



## **Healthy Planet, Healthy Lives**

Reduce tailpipe emissions that impact local air quality and public health where environmental justice communities live, learn, work and play. Reduce CO<sub>2</sub> emissions that have a disproportionate burden on the most vulnerable populations and communities.



## **Equitable Access**

Environmental justice communities learn about our transportation electrification programs, can readily understand and access materials and resources, see themselves reflected in communications, and participate in and benefit from City Light programs.



## **Economic Opportunities and Youth Pathways**





City Light enables environmental justice communities to participate in and benefit from the local transportation electrification economy.



## **Electricity Affordability**

Widespread transportation electrification increases revenue to put downward pressure on electricity prices.



TRANSPORTATION USES	INVESTMENT PRIORITIES
 <b>All</b>	Customer and stakeholder outreach and awareness
 <b>Public Transit</b> (Buses, Ferries, Trains, Light Rail)	Electrify buses, ferries and other public transit
 <b>Commercial, Government &amp; Non-Profit Fleets</b>	Electrify commercial, local government and non-profit fleets
 <b>Personal Mobility</b> (Cars, Bikes, Scooters, etc.)	Expand at-home and near-home charging
	Electrify high-mileage vehicles
	Accelerate transportation electrification adoption in Equity and Environment communities
	Expand public fast charging
	Expand workplace charging



## QUESTIONS FOR YOU

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- What priorities are most important to you?
- Is there anything missing?
- How does this work fit in with other priorities for your neighborhood?



# CONTACT US

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- Email Us
  - Need to think about it? Send us an email at **[SCL\\_CommOutreach@seattle.gov](mailto:SCL_CommOutreach@seattle.gov)**
- Talk with project staff
  - We're here to answer questions and listen

