



TRANSPORTATION ELECTRIFICATION STRATEGIC INVESTMENT PLAN

Presentation to
Transportation & Utilities Committee

Seattle City Light | September 25, 2020



MAIN TAKEAWAYS



Listen to communities to set priorities



Transit is a top priority



Just say no to 1:1 ICE to EV

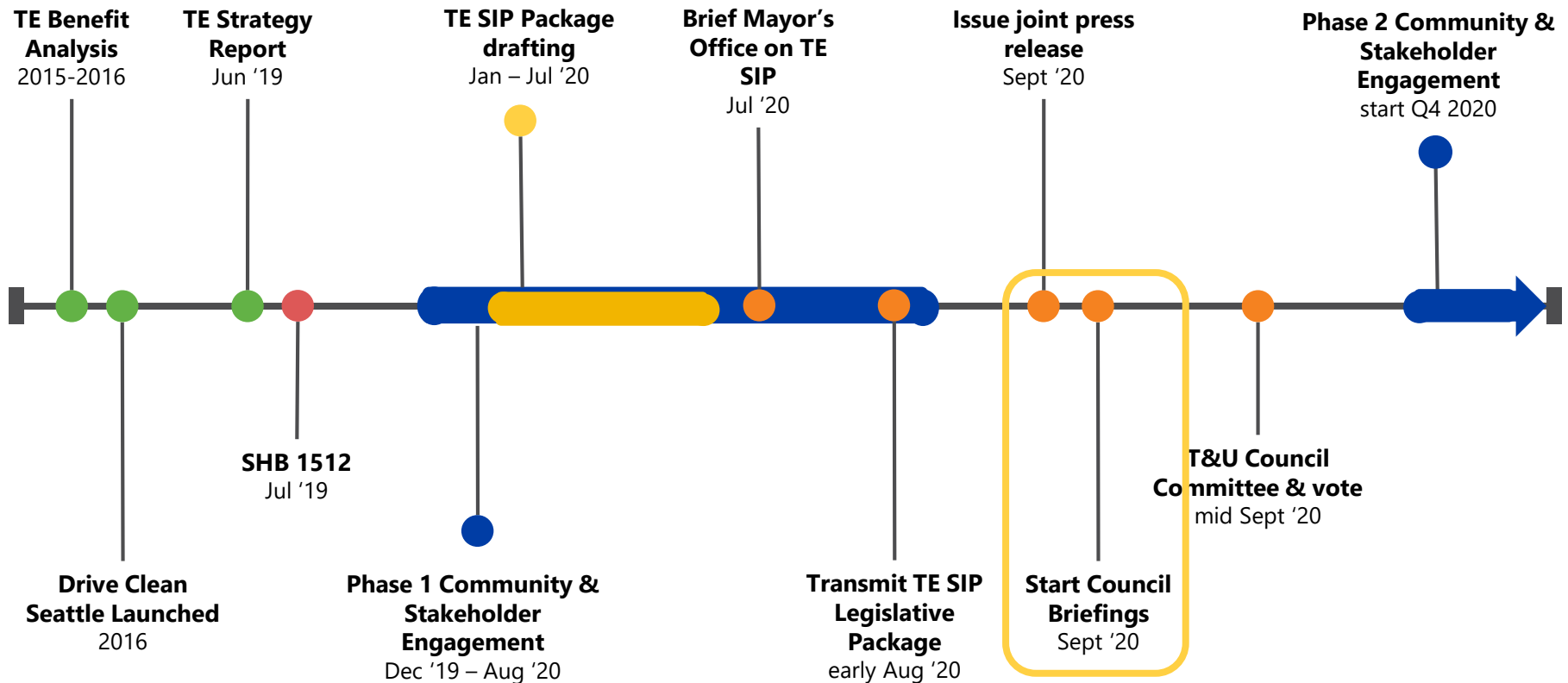


The grid is the platform

CITYWIDE COORDINATION ON TRANSPORTATION ELECTRIFICATION

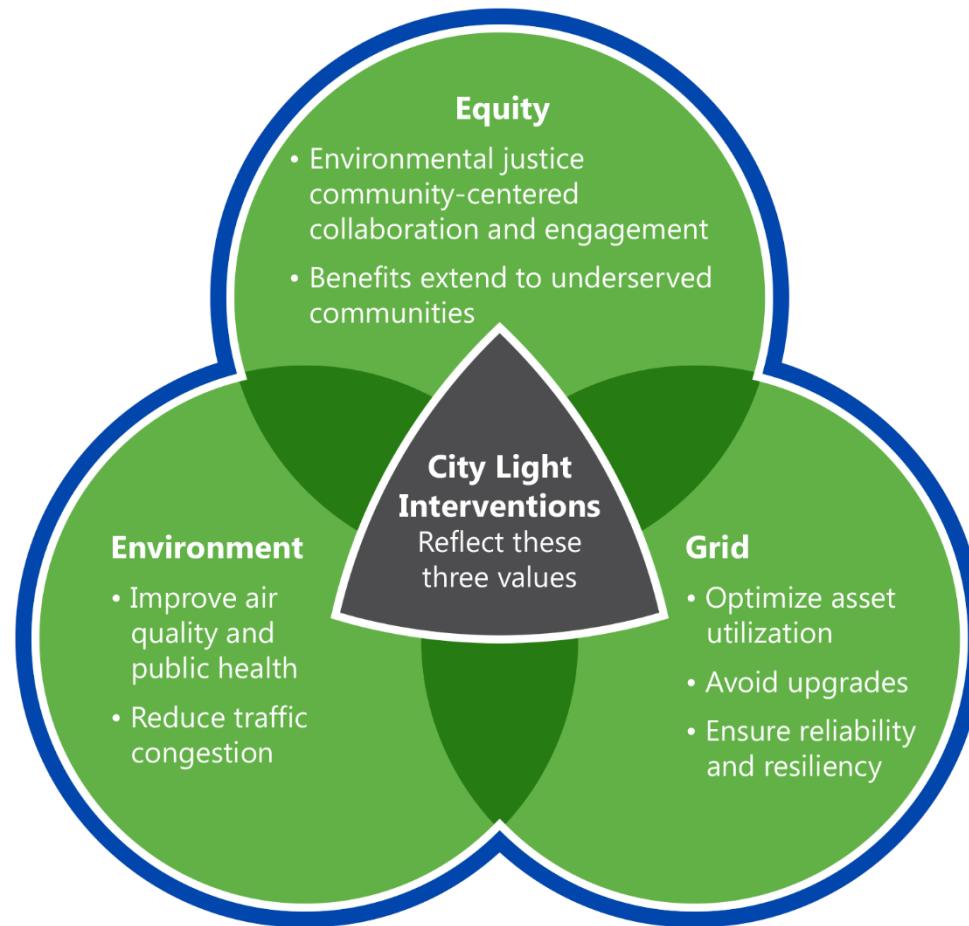


CITY LIGHT'S PATH TO TRANSPORTATION ELECTRIFICATION



*TE SIP = Transportation Electrification Strategic Investment Plan

TRANSPORTATION ELECTRIFICATION VALUES FRAMEWORK



ENGAGING WITH COMMUNITY & STAKEHOLDERS

25

Environmental justice
community leaders

4

Environmental
justice organizations

8

Major commercial
fleets

4

Environmental
advocacy organizations

5





Labor unions and
labor councils

3

Shared Mobility,
Transportation Network
Companies (TNCs) &
taxi companies



TE STRATEGIC INVESTMENT PRIORITIES

TRANSPORTATION USES	INVESTMENT PRIORITIES	EQUITY OUTCOMES
 All	Customer and stakeholder outreach and awareness	<ul style="list-style-type: none"> All customer-owners have increased access to City Light's transportation electrification educational materials and resources Environmental justice community members see themselves reflected in communications
 Public Transit (Buses, Ferries, Trains, Light Rail)	Electrify buses, ferries and other public transit	<ul style="list-style-type: none"> Transit riders and those who do not own or drive a personal vehicle participate in and benefit from City Light's transportation electrification offerings
 Commercial, Government & Non-Profit Fleets	Electrify commercial, local government and non-profit fleets	<ul style="list-style-type: none"> Communities with higher exposure to air pollution benefit from reduced tailpipe emissions that impact local air quality and public health
 Personal Mobility (Cars, Bikes, Scooters, etc.)	Expand at-home and near-home charging	<ul style="list-style-type: none"> Multifamily residents and those with no access to off-street parking participate in and benefit from City Light's transportation electrification offerings
	Electrify high-mileage vehicles	<ul style="list-style-type: none"> High-mileage vehicle drivers, especially drivers in environmental justice communities, participate in and benefit from the local transportation electrification economy
	Accelerate transportation electrification adoption in environmental justice communities	<ul style="list-style-type: none"> Environmental justice communities collaborate with City Light and see their wants and needs reflected in City Light's transportation electrification offerings
	Expand public fast charging	<ul style="list-style-type: none"> Communities collaborate with City Light to ensure that public charging infrastructure serves as a community asset
	Expand workplace charging	<ul style="list-style-type: none"> All customers benefit from more affordable electricity rates driven by widespread transportation electrification

2020

2021

2022+

PROGRAM OFFERINGS



Public Transit

- Support Washington State Ferries electrification

- Electrify 10 chargers at King County Metro's South Base bus station

- Expand bus electrification and launch additional transit partnerships



Commercial, Government & Non-Profit Fleets

- Partner in developing Port of Seattle Waterfront Clean Energy Strategic Plan

- Support electrified freight corridor between Seattle and Portland

- Implement Port of Seattle Waterfront Clean Energy Strategic Plan
- Expand partnerships with fleets and pilot new programs
- Support the West Coast Clean Transit Corridor Initiative to electrify I-5 for medium-duty and heavy-duty electric trucks



Personal Mobility

- Lease-to-own at-home charging pilot
- 20 public fast chargers installed

- Install additional EV charging stations at City-owned properties
- Expand at-home and near-home charging
- Systemic expansion of public charging

- Ongoing new program development



ONGOING COMMUNITY AND STAKEHOLDER COLLABORATION

ELECTRIFICATION ENABLEMENT



- Time-of-day rate pilots launch

- Grid Modernization Plan
- Evaluate, expand and iterate on rate pilots
- Implement electric food truck technology pilot

- Master Infrastructure Plan
- Ongoing grid modernization
- Develop additional emerging technology pilots
- Scale successful pilots to new programs



RELATED LEGISLATION AT COUNCIL – ‘ONE SITE, ONE SERVICE’ REVISIONS

- **What is it?**
 - SMC section 21.49.090, City Light policy entitled “Single Site, single service” – commonly known as “One site, one service”).
- **Why does it exist?**
 - Policy was originally created for safety and efficiency; but as currently applied, has become a barrier to effective customer service.
- **What does this legislation do?**
 - Proposed legislation clarifies Seattle City Light’s discretion to allow additional services on a parcel.
 - Helps improve a key City Light’s service process related to development of EV charging sites and demonstrates commitment to process improvements to enable transportation electrification.

QUESTIONS?

