



# Authorize Purchase of Mobile Refueler for FCEBs



Board of Directors | October 9, 2024

# Background

- ◆ Board approved purchase of 10 Hydrogen Fuel Cell Electric Buses (FCEBS) in June 2022
- ◆ 10 FCEBs were delivered to North Base from September 2023 to June 2024
- ◆ FCEBs need to be tested and commissioned before placing them in revenue service

# Background

- ◆ Board approved an agreement with Plug Project Holding Co., LLC (Plug Power) to lease a mobile hydrogen refueler (refueler) for 2 years in May 2023
- ◆ Board also approved the following options:
  - ◆ Option 1 – Extend lease up to 2 additional years
  - ◆ Option 2 – Purchase refueler after 2-year lease

# Background

- ◆ To mitigate delays to delivery of the refueler, District agreed to a conditional purchase of the refueler
- ◆ Staff recommends purchase of the refueler after the refueler achieves the on-Site acceptance and performance testing results
- ◆ No additional budget authority is required

# Board Approved Options vs. Amendment

Options for Acquiring Interim Refueler	Board Approved Options		Amendment
	Base Term + Option 1	Base Term + Option 2	
<u>Board Approved Items</u>			
Base Term: 2-Year Lease of Refueler	\$ 1,783,560	\$ 1,783,560	
Option 1: Extend 2-year lease up to 2 additional years	\$ 1,318,560		
Total: Base Term + Option 1	\$ 3,102,120		
Option 2: Purchase the Refueler after 2 years		\$ 2,246,826	
Total: Base Term + Option 2		\$ 4,030,386	
Amendment to Purchase Refueler after On-Site Acceptance			\$ 3,844,788

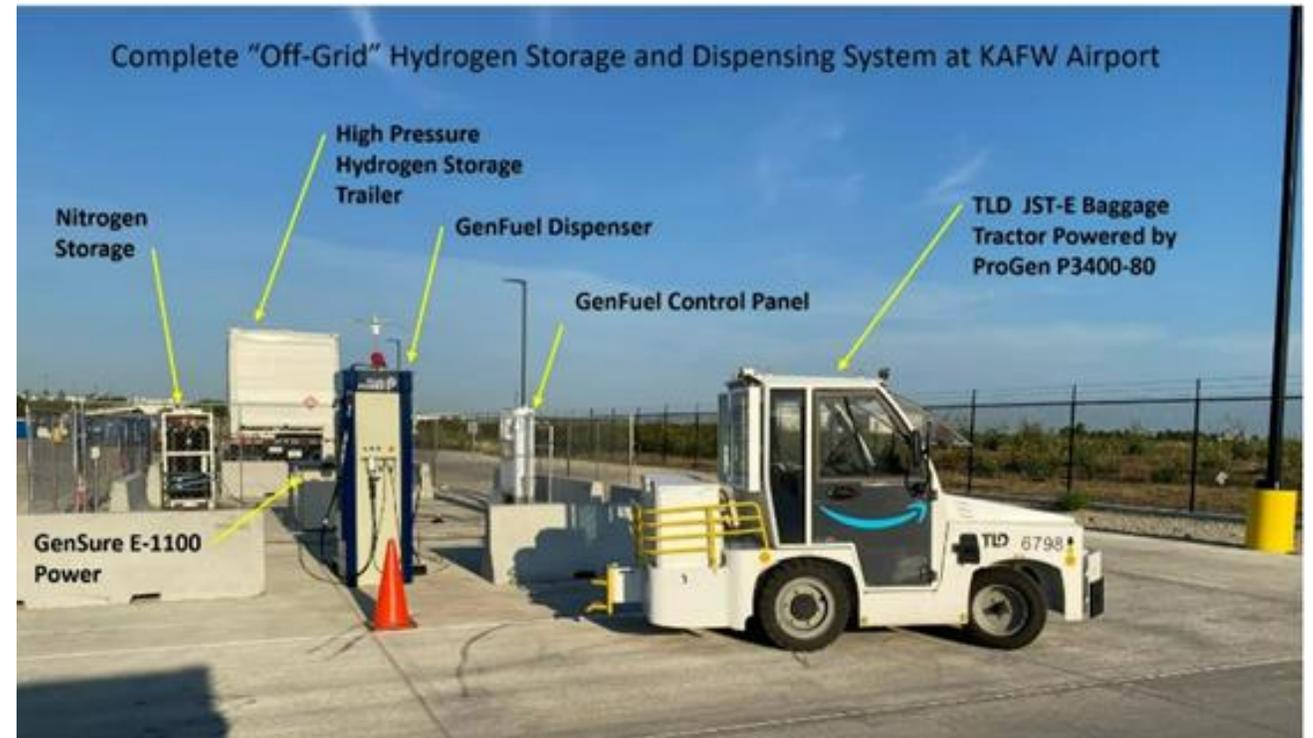
# Mobile Hydrogen Refueler

- ◆ Delivered in August 2024
- ◆ On-Site Testing is complete
- ◆ Commissioning is ongoing



# Back-up Hydrogen Refueler

- ◆ Pending permit from SSF Fire Marshal
- ◆ Trailers deliver gaseous hydrogen
- ◆ Widely used



# Hydrogen Safety Training

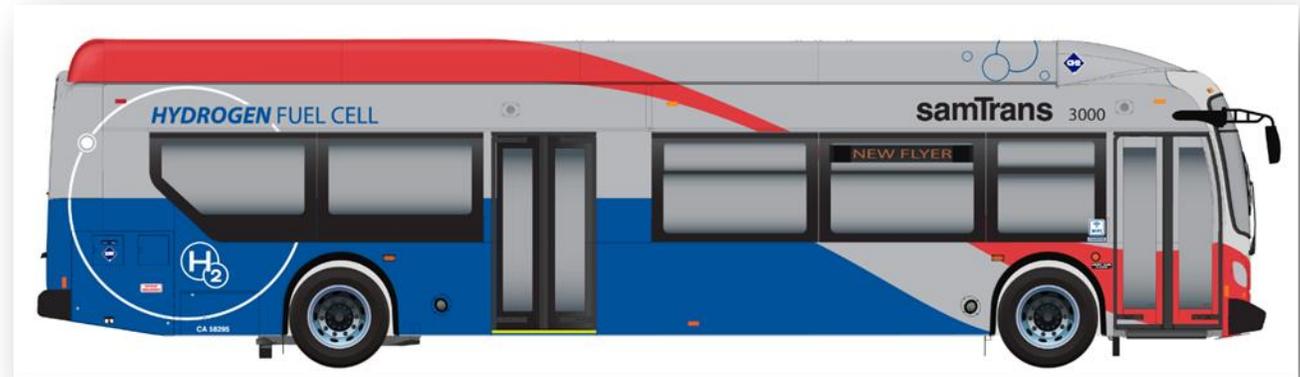
Safety Training	Trained
<b>SamTrans Employees</b>	
<b>Hydrogen Safety</b>	
Tier 1	35
Tier 2	45
Tier 3	539
<b>First Responders</b>	
BEBs	6
FCEBs	20
Refueler	46



# Workforce Training



Workforce	FCEBs		Workforce	Refueler	
	Trained	To be Trained		Trained	To be Trained
Bus Operators	3	320	Utility Workers	15	0
Mechanics	0	50	Facility Technicians	5	0



# Questions?