



8/31/2021

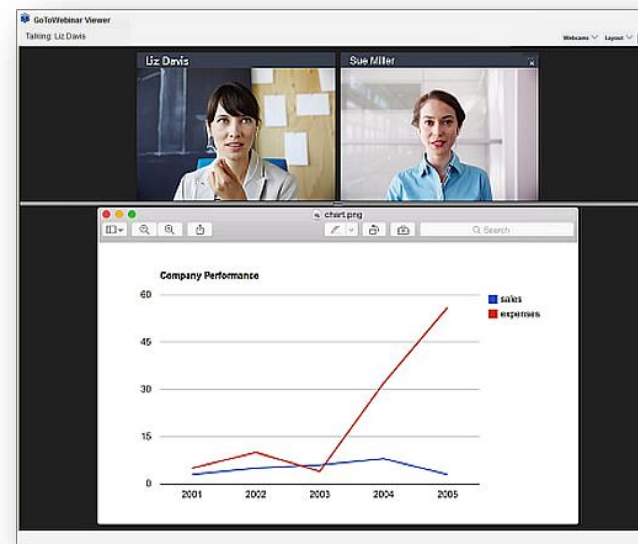
Achieving California's ZEV Transition: Hydrogen Station & Fuel Cell Vehicle Targets

- Bill Elrick, CaFCP
- Sandy Berg, California Air Resources Board
- James Kast, Toyota
- Shane Stephens, First Element Fuel



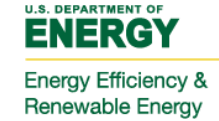
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- Use the GoToWebinar “Questions” feature to ask questions
- Camera settings






CaFCP Members



— 20+ years of collaboration —



California H2 stations in 2020, 2025

100  **BY 2020**
Funded
Light Duty

hydrogen stations by **2020**.
Funded by Assembly Bill 8 (2013).

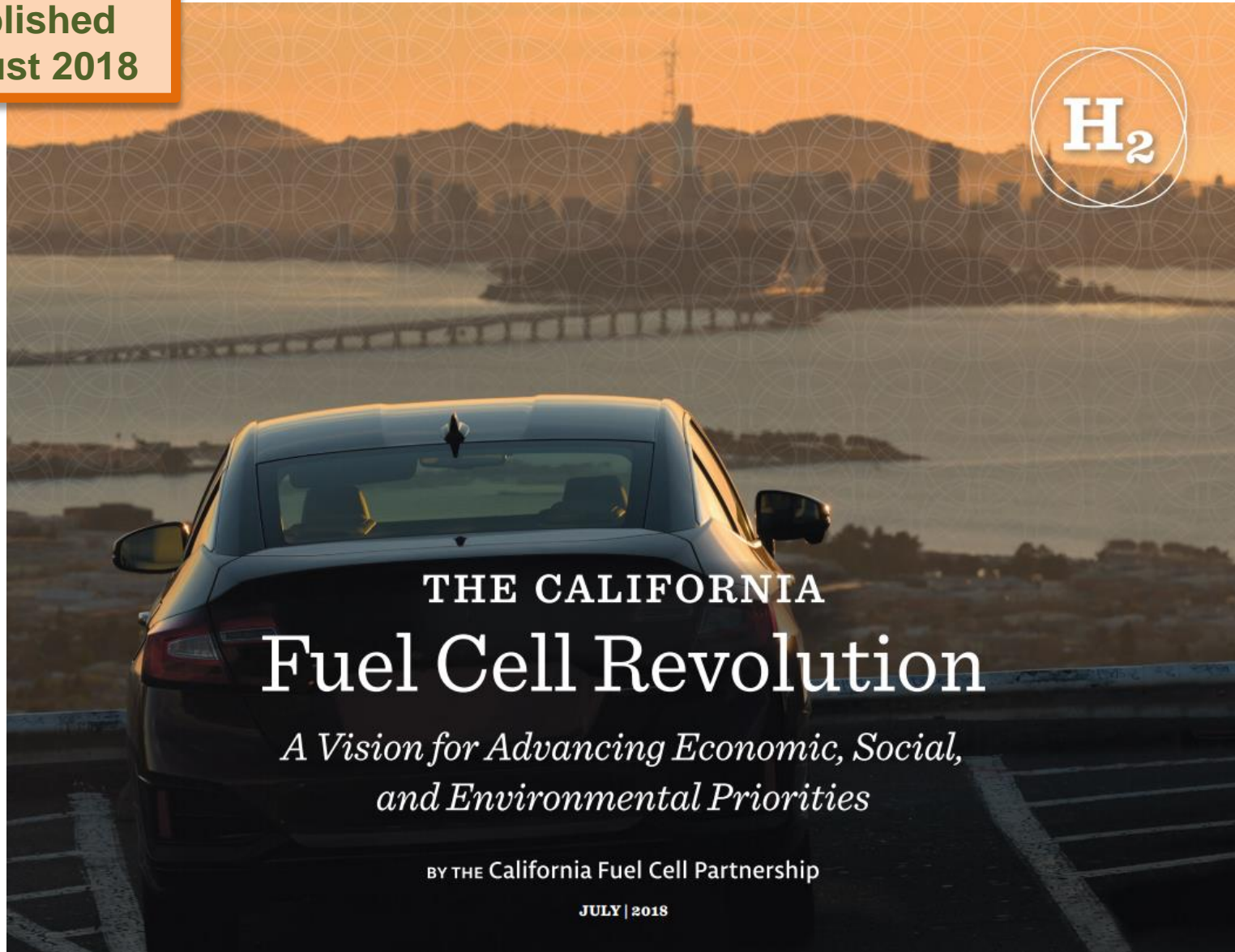
200  **BY 2025**
Planned
Light Duty

hydrogen stations by **2025**,
pursuant to the Governor's 2018
ZEV infrastructure Proposal.



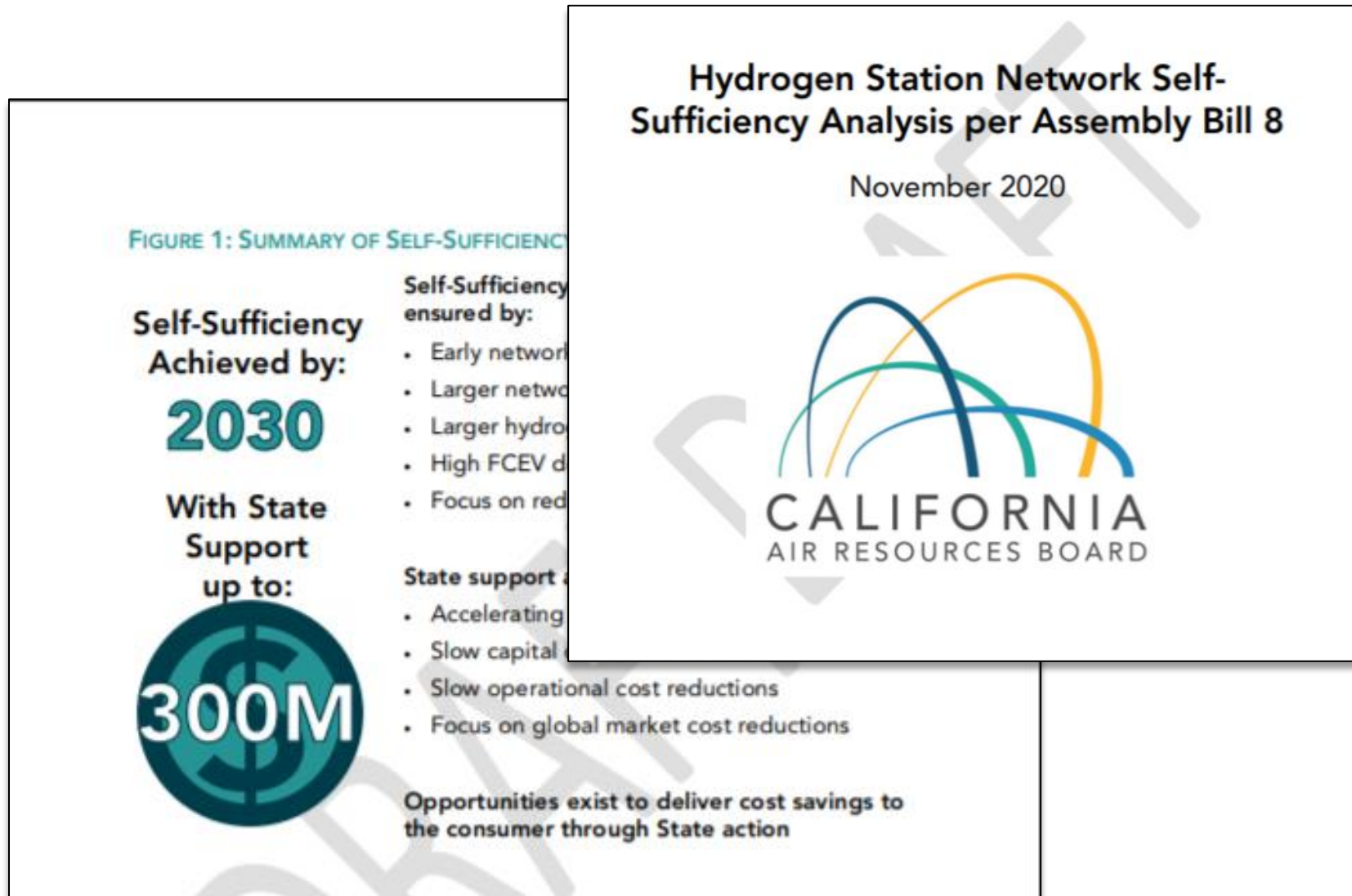


Published
August 2018



CaFCP envisions 1,000,000 fuel cell electric vehicles supported by 1,000 hydrogen stations in-state by 2030.

(draft) Self-sufficiency study



By the Numbers

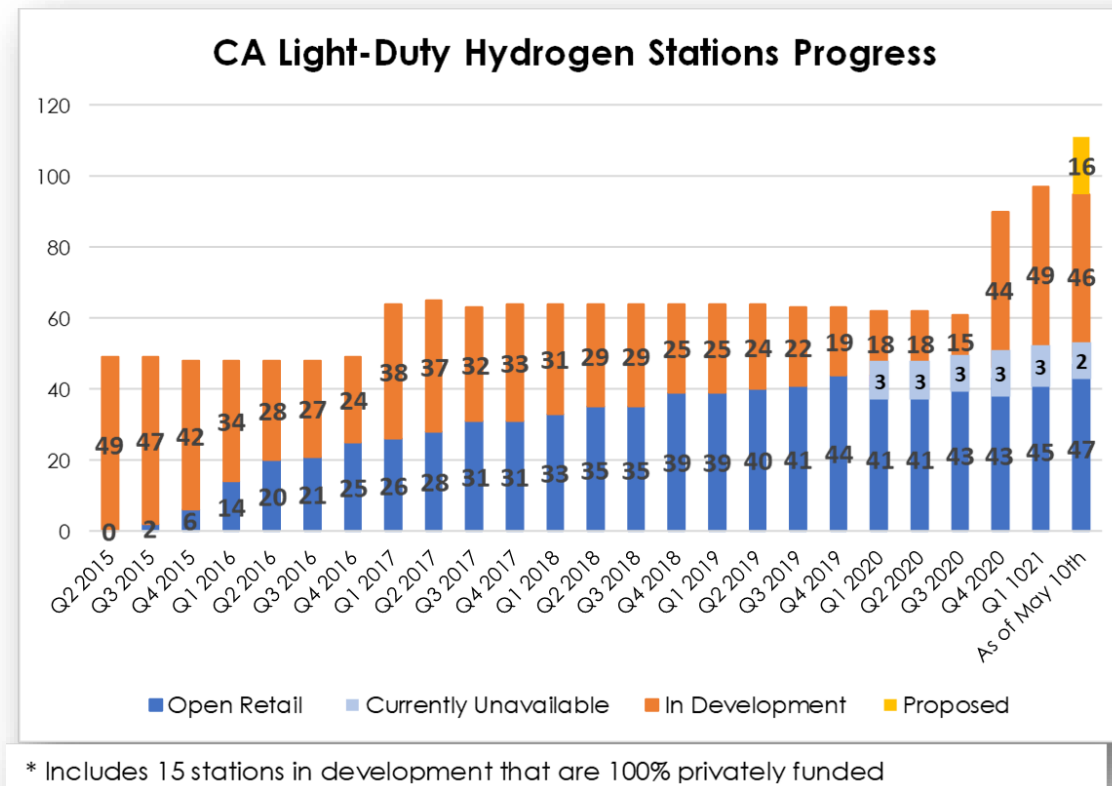


	Numbers as of August 1, 2021	Total
FCEVs—Fuel cell cars sold and leased in US*		11,016
FCEBs—Fuel cell buses in operation in California		48
Fuel cell buses in development in California		38
Hydrogen stations available in California**		48
Retail hydrogen stations in <i>construction</i> in California***		10
Retail hydrogen stations in <i>permitting</i> in California***		30
Retail hydrogen stations <i>proposed</i> in California***		15
Retail hydrogen stations <i>funded</i> , but not in development in California***		72
Total retail hydrogen stations in development in California***		127
Retail truck hydrogen stations in construction in California		4
Retail truck hydrogen stations <i>funded</i> , but not in development in California***		5



An Expanding Hydrogen Station Network

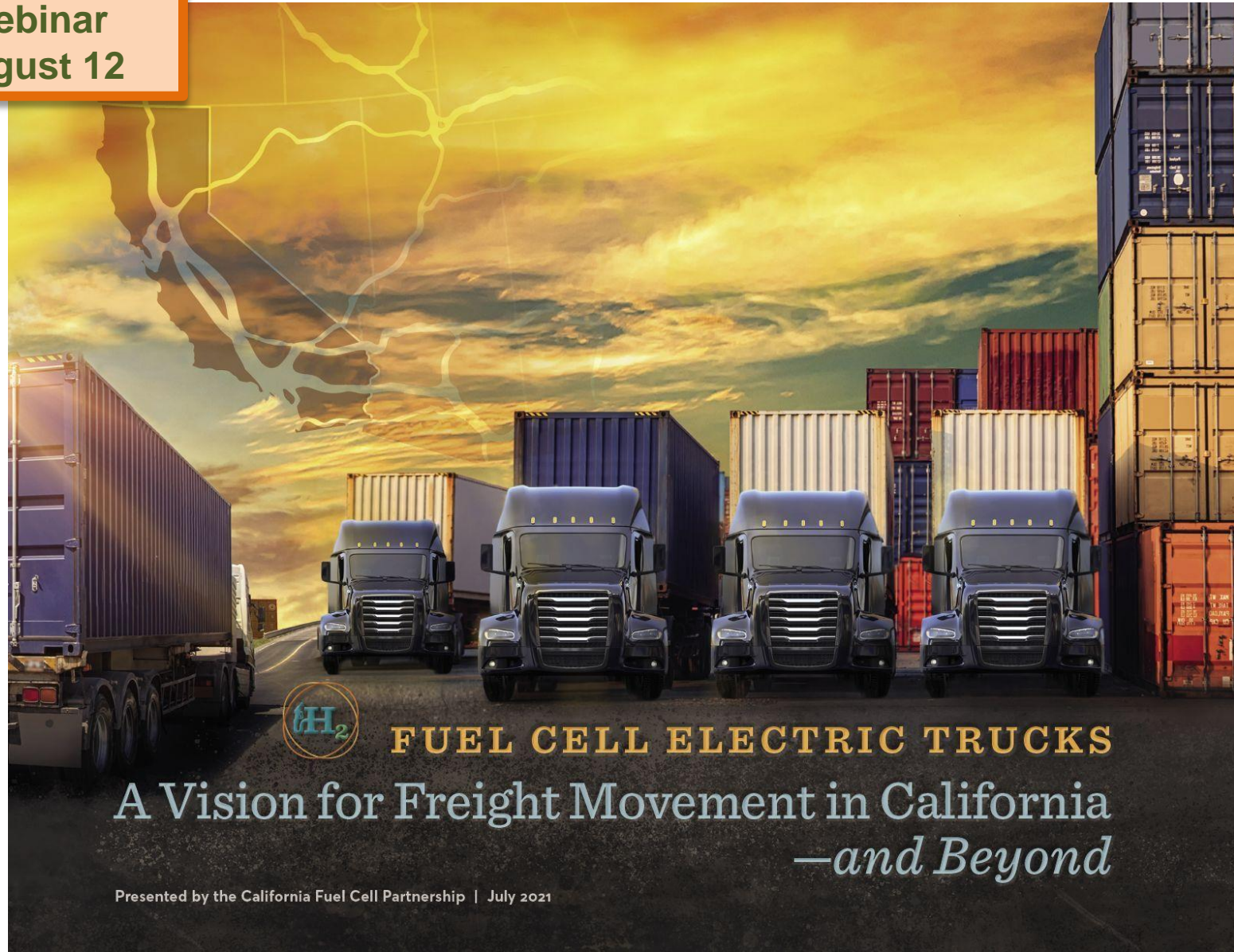
- California Energy Commission hydrogen station funding (GFO 19-602)
- 114 stations funded over several years
 - 30 stations funded in first batch
- Breakdown of all stations funded
 - Shell - 51
 - First Element - 49
 - Iwatani - 14
- Iwatani will also build six additional stations not funded by this GFO.



Source: Governor's Office of Business and Economic Development



**Webinar
August 12**



FUEL CELL ELECTRIC TRUCKS

**A Vision for Freight Movement in California
—and Beyond**

Presented by the California Fuel Cell Partnership | July 2021

CaFCP envisions 70,000 heavy-duty fuel cell electric trucks supported by 200 hydrogen stations in-state by 2035.



California Fuel Cell Partnership

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