

DOCKETED

Docket Number:	20-IEPR-02
Project Title:	Transportation
TN #:	234906
Document Title:	Presentation - Approaches to Assessing ZEV Funding Program Benefits
Description:	+++SUPERSEDES TN 234889 +++ - 1D Gia Vacin, GO-Biz
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Organization:	California Governor's Office of Business and Economic Development
Submitter Role:	Public Agency
Submission Date:	9/24/2020 5:02:16 PM
Docketed Date:	9/25/2020



Approaches to Assessing ZEV Funding Program Benefits



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Governor's Office of Business
and Economic Development

2020 IEPR Update – September 25, 2020



Measurement is important...



...and difficult.



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GM & EVgo Partner to Accelerate EV Adoption



More than 2,700 new EV charging plugs in the next 5 years

Triple the size of its existing network

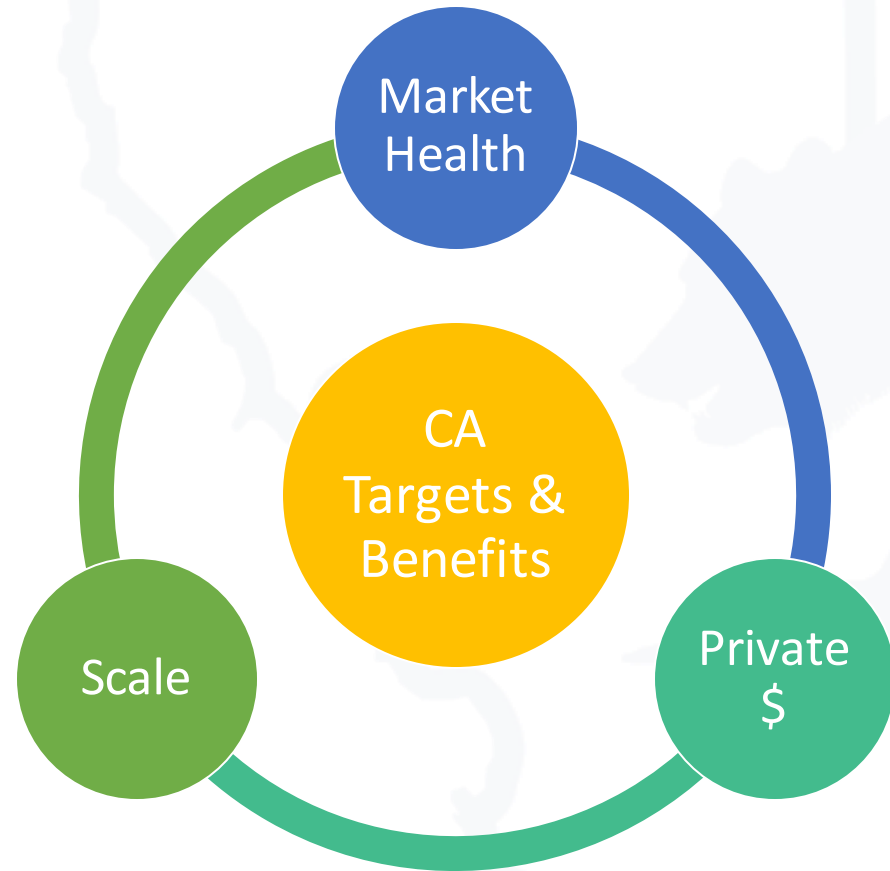


SCALE



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Driving ZEV to Scale

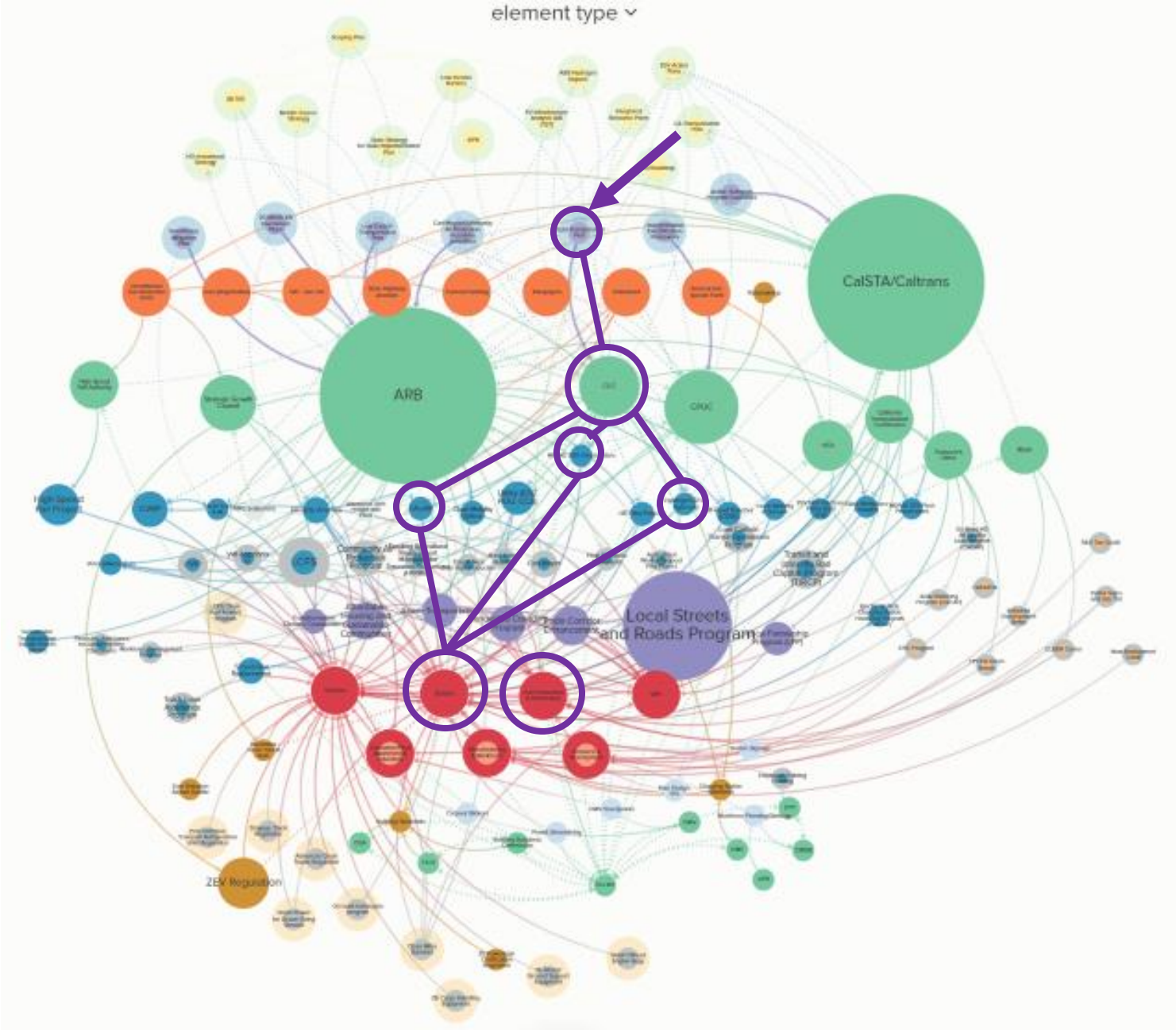


Why?

- At scale, significant benefits emerge
 - GHG reductions, air quality, equity/access, job growth
- Ultimately, it's about improving people's lives



CEC Clean Transportation Program



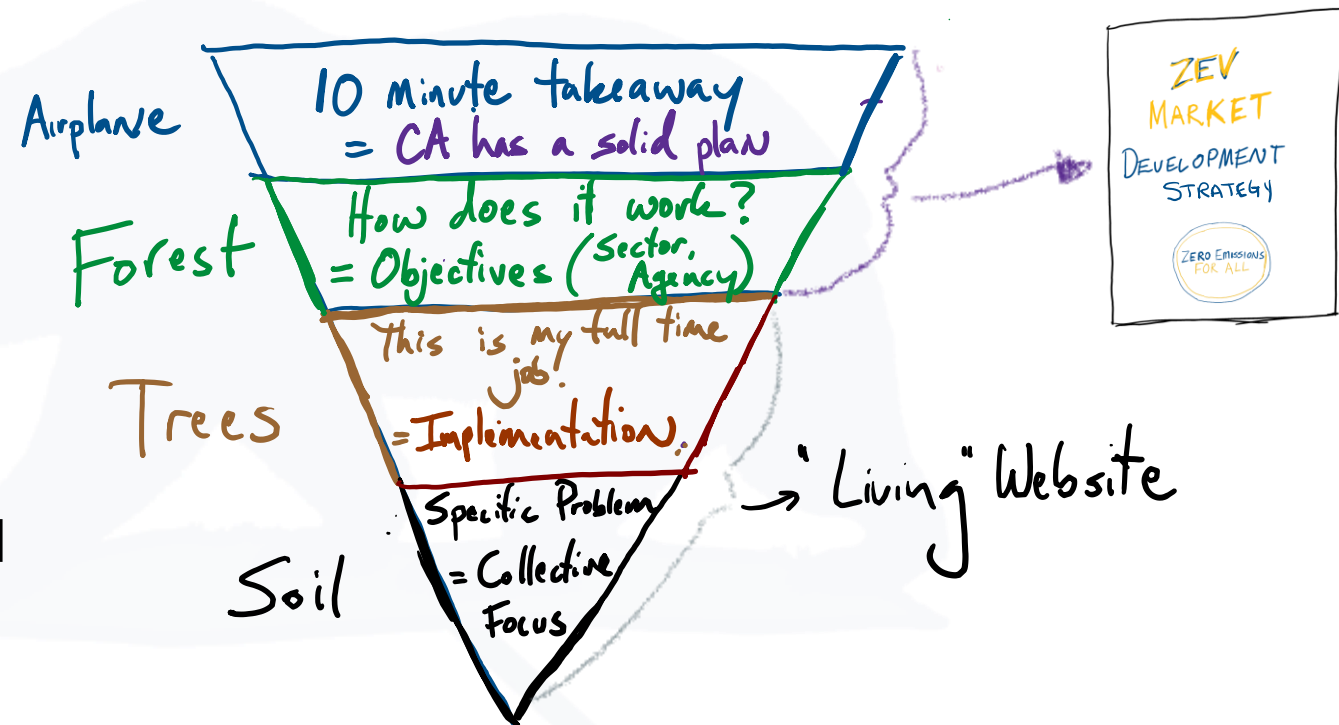
Hydrogen Station Market Development

- **Significant Progress Since 2016...**
- **3-8x Increase in Station Capacity**
 - 2016: ~180-400 kg/day
 - 2020: ~1,200-1,600 kg/day
 - Largest stations able to fill 4 cars simultaneously
- **Station Cost**
 - 40% decrease in station costs
 - 80% decrease in \$/kg/day
- **60% Reduction in Cost per Vehicle Enabled**
 - 2016: \$6K per vehicle
 - 2020: \$2.4K per vehicle
- **Cost Share**
 - 2016: state put up 70% of the capital cost
 - 2020: industry is bringing 70%
- **20%-300% Increase in Renewable Content**



ZEV Market Development Strategy

1. Articulate **core principles** for collective action
2. Clearly identify **targets**
3. Establish **Roles/objectives** of agencies and major stakeholder groups
4. Organize **collective problem-solving** Increase transparency and target stakeholder engagement
5. Ensure **lessons learned** are accessible and incorporated



Empower actors to exceed expectations



System Metrics



Equity/
Clean Mobility
Access

GHG Emissions

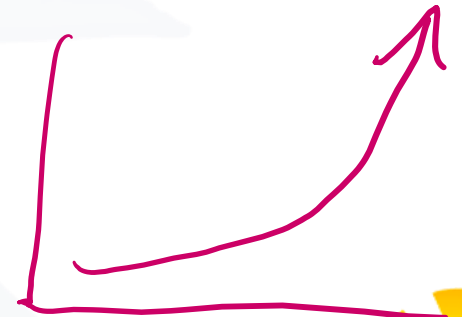


Workforce



Market Growth/Expansion
#'s #'s/class

Private \$





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