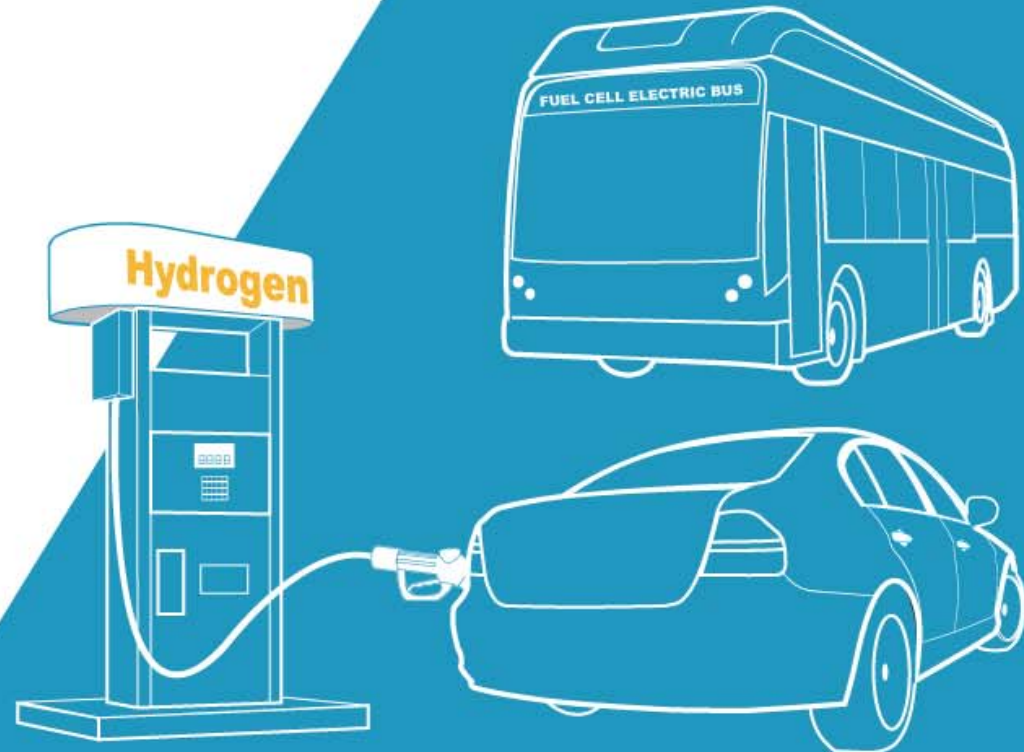


# Medium- and Heavy-Duty Fuel Cell Electric Truck Action Plan Implementation

## *Member Dialogue*

Amy Zimpfer  
US EPA, Region 9

Executive Board Meeting  
California Energy Commission  
October 18, 2016





# M/HD FCET Action Plan

## Development Process

- 2014-2016 - Consultation with CAFCP members and relevant external experts
  - Composition of draft plan
- April 2016 Executive Board discussion
  - Draft plan's intention, content and structure
- May-July 2016 - Member comments received and synthesized
- August 2016 Executive Board - Approval for publication
  - With minor editorial comments to update status of relevant programs and references

## Main Elements

- **Focus on two vehicle platforms and applications**
  - Medium-Duty FCET platform: Class 4-6 last-mile package delivery
  - Heavy-Duty FCET platform: Class 7-8 short haul/drayage trucks
- **Implementation of M/HD hydrogen fueling infrastructure**
  - In highest priority regions: San Joaquin Valley, South Coast and Bay Area



Source: CTE



Source: Hydrogenics

## Recommendations

- Prioritized recommendations by topical category
- Assigned proposed stakeholder sector ownership for each recommendation
- High priority recommendations listed in executive summary and main body
  - Additional recommendations listed in Appendix D

# Next Steps

- Publication
  - CAFCP website, social media, email contacts
- Webinar to present document
  - Members-only
  - External stakeholders
- Legislative outreach
  - Planning under review
- Share with state entities involved in CA freight action planning
- M/HD FCET stakeholder workshop
  - Follow up on release of CAFCP FCET Action Plan and DOE FCET Targets RFI
- Engage prospective CAFCP members in FCET industry

# Discussion Questions

- 1) Where is the M/HDV market now, and what is needed to accelerate FCEV development in this space?
- 2) How is industry responding to California's need to develop M/HD ZEV technologies, and what actions are needed to stimulate additional private investment?
- 3) What is the potential for leveraging FCEV progress across vehicle classes and applications and what synergies should be pursued with the passenger vehicle market?

## Discussion Questions (2)

- 4) What steps should be taken to increase drivetrain developer/OEM/fleet cooperation on M/HD FCEV technology development and demonstration?
- 5) What additional stakeholders should the Partnership engage on this issue set, and to what end?
  - a) Examples: M/HDV OEMs, CHBC, FCHEA, CAPCOA, San Pedro Bay Ports, others?
- 6) What funding assistance is needed to deploy the requisite H2 fueling infrastructure to support M/HD FCET demonstration projects in the priority areas cited in the action plan?
  - a) What funding sources should California leverage to provide this assistance?