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Document Title:	WCC AFICC Organizational Elements
Description:	Memo describing the organizational elements of the West Coast Collaborative Medium & Heavy-Duty Alternative Fuel Infrastructure Corridor Coalition. Submitted on behalf of Jon Mikulin, Environmental Protection Specialist, United States Environmental Protection Agency Region 9.
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[West Coast Collaborative \(WCC\)](#)

Medium & Heavy-Duty Alternative Fuel Infrastructure Corridor Coalition (AFICC)

Organizational Elements

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Background

Major transportation corridors contribute to the integration and growth of Pacific Coast economies. Medium and heavy-duty on-highway vehicles (M/HDVs) using these corridors consume vast amounts of fuel and are major emitters of criteria and climate change pollutants. By accelerating the adoption of alternative fuel technologies, States can increase fuel supply diversity and reduce emissions from M/HDVs while ensuring the critical economic utility these vehicles provide. Alternative fuel vehicle (AFV) technologies include natural gas vehicles (preferably fueled with renewable natural gas), propane/liquefied petroleum gas vehicles, plug-in hybrid-electric vehicles, battery electric vehicles, and hydrogen fuel cell electric vehicles.

Problem Statement

To date, policies to accelerate the deployment of AFV technologies and modernize transportation corridors have focused primarily on light-duty passenger cars and trucks. More recent consideration has been given to advancing AFV technologies for M/HD applications. However, adoption of AFV technologies has been hampered by the lack of supporting infrastructure. As a result, technological advances in economically important M/HD fleet operations (e.g., Class 2b-8 trucks, vans and buses) have lagged behind light-duty passenger vehicles.

Mission Statement

The mission of the WCC AFICC is to accelerate the modernization of west coast transportation corridors by deploying alternative fuel infrastructure for M/HDVs in synergy with other investments. Public-private collaboration to plan projects, leverage funding, and construct modernized corridors with alternative fuel infrastructure will create jobs, increase domestic fuel supply diversity, reduce emissions, improve public health and support more robust M/HD fleet operations.

Goals & Objectives

- 1) Convene a WCC AFICC Steering Team comprised of selected public sector principals charged with developing and overseeing the Coalition's organizational elements.
- 2) Create new and leverage existing public-private stakeholder coalitions to exploit opportunities and address challenges to modernizing west coast transportation corridors through the deployment of M/HD alternative fuel infrastructure.
- 3) Develop a coordinated strategic plan to deploy M/HD alternative fuel infrastructure in western North America with an emphasis on addressing infrastructure gaps that limit the deployment of M/HD AFVs in California, Oregon and Washington (West Coast M/HD Alternative Fuel Corridor Plan).

- 4) Secure buy-in from eligible partners to utilize the West Coast M/HD Alternative Fuel Corridor Plan as the basis for jointly seeking funding assistance to support M/HD alternative fuel infrastructure project development.
- 5) Coordinate with the Pacific Coast Collaborative (PCC) to secure sustained, strategic support from California, Oregon, and Washington State governments for M/HD alternative fuel infrastructure deployment along the west coast.
- 6) Share the AFICC organizational model, goals and strategies with other US states for potential replication.
- 7) Leverage FHWA alternative fuel corridor designations for highway segments in California, Oregon and Washington as priority areas for the siting and construction of alternative fuel infrastructure projects.
- 8) Enlist eligible applicants (e.g., state and regional transportation agencies) to jointly seek funding assistance to implement M/HD alternative fuel infrastructure projects that support both local and corridor level infrastructure modernization.
- 9) Leverage state, local and private infrastructure funding and financing through public-private partnerships.
- 10) Complement infrastructure investments with state and local M/HD AFV incentives where available.

Work Plan

- 1) Steering Team
 - a. Convene a steering team of relevant public sector principals (see appendix) charged with establishing a vision, goals and structure that will allow the Coalition to assist in accelerating the deployment of M/HD alternative fuel infrastructure along the west coast of the US.
 - b. Develop and oversee the Coalition's organizational elements including: a) mission statement; b) goals and objectives; c) work plan; d) stakeholder outreach structure & strategy; and e) program timeline.
 - c. Review, comment on, and approve the strategic plan for modernizing corridors with M/HD alternative fuel infrastructure deployment.
- 2) Stakeholder Outreach
 - a. Establish Oregon and Washington workgroups facilitated by US EPA and comprised of relevant stakeholders (see appendix) charged with developing a corridor modernization plan for M/HD alternative fuel infrastructure deployment.
 - b. Coordinate with existing California efforts related to alternative fuel technology deployment and compliment with targeted outreach to selected stakeholders (e.g., fleets/end users and infrastructure providers).
 - c. Develop a list of corridor modernization needs and desired locations for M/HD natural gas, propane, electric and hydrogen fueling stations including related capital cost, operational cost, and construction schedule estimates for each site.
- 3) West Coast M/HD Alternative Fuel Corridor Plan
 - a. US EPA secures consultant support to synthesize input from the stakeholder outreach process into a comprehensive plan for corridor modernization with M/HD alternative fuel infrastructure deployment.
 - b. US EPA consultant refines the plan document based on input from the Steering Team.
 - c. Steering Team approval of the plan document for publication.

- 4) Alternative Fuel Infrastructure Project Delivery
 - a. Secure buy-in from eligible partners to utilize the West Coast M/HD Alternative Fuel Corridor Plan as the basis for jointly seeking funding assistance to support M/HD alternative fuel infrastructure project development.
 - b. If/when funding is secured, state and regional transportation agencies will coordinate with local governments and site hosts to construct M/HD alternative fuel infrastructure projects.

Stakeholder Outreach Structure & Strategy

- Workgroups = 2 (one each for Oregon and Washington)
 - o Meetings = 2-3 sessions for each workgroup via teleconference/webinar
 - o Purpose = Convene stakeholders to provide input on planned and desired natural gas, propane, electric and hydrogen M/HD fueling stations in Oregon & Washington.
 - o Deliverable = List of desired M/HD natural gas, propane, electric and hydrogen fueling stations in Oregon and Washington including estimated capital costs, operational costs, fuel volume and construction schedules for each site.
- California Coordination & Targeted Outreach
 - o Meetings = 6-8 stakeholder meetings plus ad hoc interagency consultations
 - o Purpose = Coordinate with existing California efforts related to alternative fuel technology deployment to glean information regarding needs/gaps in M/HD alternative fuel infrastructure investment within the state. Compliment with targeted stakeholder outreach to obtain information on site specific infrastructure deployment needs/desires/opportunities.
 - o Deliverables = Summary of statewide goals for alternative fuel infrastructure investment and related deployment for M/HD applications. As available, list of desired M/HD natural gas, propane, electric and hydrogen fueling stations in California including estimated capital costs, operational costs, fuel volume and construction schedules for each site.

Program Timeline

- **April 2017** – Conduct inaugural Steering Team Meeting in conjunction with the Green Transportation Summit & Expo. Refine the AFICC organizational elements.
- **May-June 2017** – Conduct Steering Team teleconferences to finalize the: 1) AFICC organizational elements; 2) desired stakeholder/partner lists; and 3) station planning worksheet template. Conduct outreach to the PCC to gauge interest in partnering with AFICC.
- **Summer 2017-Early 2018** – Consultant begins work to synthesize data available from stakeholder input and existing initiatives, and conducts any necessary follow-up consultations to develop the West Coast M/HD Alternative Fuel Corridor Plan.
- **Fall 2017 (recurring through 2021)** – State DOTs submit nominations to FHWA for alternative fuel corridor designations.
- **Spring 2018** – Reconvene the AFICC Steering Team to review/approve the West Coast M/HD Alternative Fuel Corridor Plan, develop a strategy for plan implementation, and outline necessary collaborative efforts/mechanisms to support project delivery.

- **Summer 2018-Fall 2021** – Eligible applicants utilize the West Coast M/HD Alternative Fuel Corridor Plan as the basis for jointly seeking funding assistance to support M/HD alternative fuel infrastructure project delivery in California, Oregon and Washington.

Appendix

- *Steering Team* - Desired members include, but are not limited to representatives from the: United States Environmental Protection Agency, United States Department of Transportation, United States Department of Energy, California Governor's Office of Business & Economic Development, California Air Resources Board, California Department of Transportation, California Energy Commission, Oregon Department of Environmental Quality, Oregon Department of Transportation, Oregon Department of Energy, Washington Department of Ecology, Washington State Department of Transportation, Washington State Energy Office, and major MPOs and local air quality organizations along the west coast.
- *Oregon & Washington Workgroups* - Desired members include, but are not limited to representatives from: WCC AFICC Steering Team organizations (see above), US DOE Clean Cities Coalitions, fuel infrastructure providers, fleet operators, and selected non-governmental organizations.
- *California Coordination & Targeted Outreach* - Desired partners include, but are not limited to representatives from: California State and regional agencies, relevant stakeholder advisory committees, fleets operators, fuel infrastructure providers, and selected non-governmental organizations.