Alternative Fuel Corridor Planning

Alexander C. Barton
Connecticut Center for Advanced Technology, Inc.
Northeast/Mid-Atlantic AFC Convening; July 10, 2019

This presentation does not contain any proprietary, confidential, or otherwise restricted information
Overview

Hydrogen Economy

Stationary Heat & Power

Portable Power

Motive Power
• Opportunity Zones (improving economic growth)
• Warehouse Locations
• Truck Stop Parking
• Alternative Fueling Stations (LPG, CNG, E85, BD, LNG)
• Intermodal Freight Facilities (Rail, Air, Truck, Port)
• Fleet Clusters (20+)
• Potential Hydrogen Users
• Interstates and Routes
• Towns
• Transit Districts
Example 1

Truck Stops

All Layers

Truck Stops

---
Alternative Fueling Stations

Example 2
Objectives

- Connect Synergistic Users with GIS Planning Tool
- Procurement of lead By Example Fleets
- Coordination of Transit and Light Duty H2 Stations
- Increase Engagement from DOT/Transit Agencies
- Leverage VW Funds
- Engage Utilities for Grid management and Resiliency
- Expand Electrochemical Technologies for Energy Storage
- Use RPS, LREC, and Tariffs for Fuel Cell Deployment
Support and Funding provided by:

• State of CT Dept of Economic and Community Development – Hydrogen Economy Program
• State of CT Dept of Energy and Environmental Protection – EV Connecticut Hydrogen Refueling Infrastructure Development (H2Fuels) Program
• CT Hydrogen and Fuel Cell Businesses
• US Small Business Administration
• Pacific Northwest National Lab / DOE CRADA
Alexander C. Barton
Connecticut Center for Advanced Technology Inc.
abarton@ccat.us
(860) 281-4291
www.ccat.us