

MAKING A DIFFERENCE

Defining Effective Performance Criteria Via Stakeholder Engagement

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Fleet Challenge Canada

- **National Program**

- Principally Funded by Natural Resources Canada
- Locally managed & delivered in five provinces
 - Fraser Basin Council in British Columbia

- **Mandate**

- Reduce GHG's & CAC emissions from on-road fleets





Fleet Challenge Canada

- Greenhouse gas (GHG) and smog-related emissions contribute to global climate change and smog
- On-road vehicles are one of the largest sources of both
- Fleet Challenge targets
 - Freight trucks, municipal and utility vehicles, buses, taxis, police cars and emergency vehicles



Overview - Fleet Challenge

- **Fleet Challenge - Role**

- Catalyst for change
- Focus - achieve *outcomes* with *partners*
- Coordinate, broker, lead, bundle, inform
- Help support Federal Gov't fleet programs

- **Example Activities:**

- Information/Tools
- Workshops
- Enhancing Markets

- **Example Areas:**

- Hybrids
- Alternative fuels
- Benchmarking



Eg. #1 – Information is Power

- **Hybrid Experience Report**

- Overview of Models and Technology
- Real World Fuel and Reliability
- Information for Fleets to aid purchasing
 - 100+ Hybrid Vehicles
 - 3 Million km+ Traveled
 - One Prius Taxi – 410,000 km!
- Calculators to evaluate LCC & emission reductions from Hybrids
- www.hybridexperience.ca
- ***Performance Criteria Underlie this Report!***



Eg. #2 - Benchmarking

- **Green Fleet Accreditation System**

- **Objective** – Develop a new *green* performance benchmark for fleets
- **Fleets Want to Know** – How do they compare
- **Status** – BC-based development underway
- **Key Features** – Benchmarking, Ranking & Carbon Trading under Kyoto rules
- **Launch** – late 2006
- **Performance Criteria Underlie this System!**



Eg. #3 - Spurring Markets

- **Renewable Fuel - Biodiesel**
 - **Issue** – Break the “chicken/egg” problem
 - **Prime Market - Fleets**
 - Accelerate purchasing on large scale
 - Provide information & data to generate confidence
 - **BC Market Development Project**
 - Biodiesel Workshops for Fleets
 - Users Guide Published, emission calculator, videos
 - 80 million Litre *BioFleet* Demo project
 - ***Performance Criteria Underlie this Project!***



Performance Verification

- **Third-party performance verification**
 - Very useful tool to guide fleet decision-making
- **BUT**
 - Technology performance is only one element of the decision making process
 - There are other *qualitative* issues to be addressed when fleets make technology choices
 - Eg. Staff training, vehicle risk, first cost vs. life cycle



Fleet Challenge Canada

- **Our Commitment**

- FCC is committed to engaging our network of fleet managers to ensure their needs and performance requirements are understood AND reflected in actual performance criteria
- First Formal ETV process under our agreement
 - Fuel Additives!
 - Working Group will be established soon to produce fleet approved performance criteria for submission to ETV
 - Other processes underway like Windsor Workshop



Facilitated By Fleet Challenge

- Bi-National "ETV" Workshop for Green Fleets - March 23/06 (Windsor)
 - Participants- Environment Canada - Event Host
 - Environmental Technologies Verification (EVT) Canada
 - U.S. EPA (Region 5)
 - APWA
 - Canadian Utilities Fleet Council (CUFC)
 - National Association of Fleet Administrators (NAFA)
 - U.S. Environmental Technologies Verification (EVT)
 - Canadian Public Works Association (CPWA)
 - Canadian Association of Municipal Fleet Managers



Workshop Purpose

- Support municipalities/cities to establish performance standards for technologies that are consistent and effective to reduce diesel emissions
- Develop a coordinated approach to manage air quality along our shared borders.



Workshop Objectives

- Build Partnerships
 - Have the two countries work together to ensure performance standards are consistent and effective.
- Close the gap between what technologies are available and what is needed
- Share fleet experiences and future requirements



Outcomes

Agreement

1. U.S. and Canadian "ETV" organizations meet to develop common testing protocols.
2. Make new technologies more readily available to both countries, minimizing duplication of testing
3. Identify common needs and support fleets with identifying performance based standards and performance benchmarking. Eg. DOC's and PM Traps
4. Fleet managers USA/Canada meeting to discuss the gap between what is available and what is needed
5. BC and Washington fleet managers to meet



Workshop Conclusions

- Strong willingness to make a difference to reduce emissions.
- Working together on common air quality issues that affect both countries.
- Developing - relationship for fleet managers to share common issues
- Supported by Federal, State and Provincial governments
- Fleet Challenge Canada - Driving force behind initiatives that support emission reductions, alternative fuels and proper fleet management practices