



CLINTON
CLIMATE
INITIATIVE

Transportation Program

Executive Overview

04 December 2007

CCI Mission

- To help C40 cities rapidly meet their GHG reduction targets through objective and practical implementation support
- Together we will make measurable impacts and we will measure them

Background

- Urban transportation is a rich environment
 - Many great ideas
 - Many capable players
 - Growing number of real successes
- What is the best way CCI can contribute in this area?

CCI Capabilities

- Access and relationships
 - Decision-makers and key players
 - Technical experts (ITDP, ICCT)
 - C40 members and associates
- Business expertise and methodology
 - Bridge between public and private sectors
 - Commitment to timely, effective processes
- Humility and adaptability

Transportation Program “Supply Side”

Finance

- Work to remove capital availability as a constraint to implementation of good transportation projects
 - We live in a capital-rich age: “Funds available exceed good projects”
 - C40 Energy Efficiency Building Retrofit Program is mobilizing \$5 billion – in its first year!
- Seek creative business propositions that stretch public dollars to the maximum
 - Example: Clean Development Mechanism funding schemes

Transportation Program "Supply Side"

Procurement

- Negotiate discounts with suppliers of goods and services
- Accelerate development of markets for potentially impactful energy-related inventions
 - Example: Solid-state (LED) lighting in transportation applications – >80% energy savings, >80% electricity fee savings, 5X elongation of replacement cycles

Product/Service Menu

Current Offerings

LED Traffic Lights

Outdoor Lights

Ethanol Buses

Fuel-Cell Buses

Light-Vehicle PHEV Conversion Kits

Coming Soon

Hybrid-Diesel Buses

BRT Design Services

Expected Early in 2008

Traffic Management Systems

Diesel Particulate Filters

Likely Future Offerings

Fare Collection Systems

Hybrid-Diesel School Buses

Hybrid-Diesel Refuse Trucks

Advanced All-Electric Buses

Breaking News!

- Partnership with the U.S. Conference of Mayors
 - The demand of 1,100 U.S. cities will add to our bargaining power with suppliers
- Partnership with Wal-Mart
 - The expertise (and demand) of the world's largest retailer will further add to our bargaining power with suppliers

Transportation Program “Demand Side”

- Put our capabilities at the service of our city partners in a way that furthers their GHG-reduction agendas
 - Understand context, needs, aspirations
 - Help navigate the opportunities and choices
 - Mobilize resources
 - Look for leapfrog opportunities
 - Get things done

C40 Transportation "Aspirational Map"

	ITS and Outdoor Lighting	Bus Rapid Transit	Traffic Demand Mgt	Reduced GHG Fuels & Vehicles	Non-Motorized Transport	Public Education
Early Interest	9	6	3	7	5	3
Active Planning	5	10	3	9	5	3
Initial Implementation	6	5	3	4	2	2
Expansion/Refinement	3	6	2	2	2	
Best Practice	1	2	3	2	2	2

Supply Meets Demand: Early Efforts

JOHANNESBURG

- Operational plan for the Rea Vaya BRT (ITDP)
- Consultation on bus/fuel selection
- Support for Rea Vaya financing plan
- LED traffic lights

LONDON AND BERLIN

- Collaboration with Hydrogen Bus Alliance
 - Fuel-cell bus supply
 - Hydrogen fuel supply

Supply Meets Demand: Early Efforts

BOGOTA

- Plan elements for the Transmilenio Phase III (ITDP)
- Analysis of diesel fuel clean-up options
- Consideration of GHG-reduced buses
- LED traffic lights

MEXICO CITY

- Plan elements for the MetroBus BRT expansion (ITDP)
- Consideration of hybrid-diesel buses

Conclusion

- Our program . . .
 - It's not especially tidy
 - ▶ There are a lot of good things we can do
 - It's still a work in progress
 - ▶ We are learning by doing, on the ground, in the C40 cities, with plenty of input from our partners
 - It's yet to save a pound of CO₂
 - ▶ We expect the reductions to start within weeks

This Is the
Adventure of Our
Lives!!