Sustainable Development at Veolia Transportation

Presented by:

Mitun Seguin
Director of Marketing
Veolia Transportation, NA
Environmental Services to Cities

- No. 1 in World - Transportation
- No. 1 in World - Water
- No. 1 in World – Waste Management
- No. 1 in Europe - Energy
Veolia Transport - Worldwide

- Bus, BRT, Rail, Paratransit, Shuttles, Taxis and Ferries
- 5000 transit authorities in 28 countries
- 2.7 billion passenger trips per year
- Leader in safe and sustainable mobility solutions, expert in intermodality
Veolia Transportation

- Largest private-sector company operating multiple modes under contract to transit authorities, counties and cities
- Bus, BRT, Rail, Paratransit, Shuttles, Taxis
- 200 Contracts, including Las Vegas, Los Angeles, San Francisco, San Diego, Denver, Phoenix, Dallas, Seattle, Baltimore, Boston
- Many types of contracts and public-private partnerships
Our Point of View on Sustainability

- The world is entering an era when carbon-management is essential.

- We need to systematically reduce our carbon footprint.

- We also need to improve service and inter-modality to help build ridership, as it will ultimately make the biggest contribution.
Our commitment:

“Veolia Transportation will be a Leader and Innovator in caring for our environment.”
Our strategy
1. Ensure Environmental Compliance
Ensuring Our **Environmental Compliance**

- **✓** 35-page questionnaire audit, completed annually at all locations
- **✓** Ensures compliance with local, state and federal environmental regulations
  - Hazardous Waste Management
  - Clean Air & Water Management
  - Storage Tank Program
  - Energy Management
- **✓** Our Sustainability Team evaluates questionnaires & performance, creates action plans
2. Measure and Reduce our Footprint
Measuring our **Carbon Footprint**

- Annual questionnaire completed at all locations
- Measures vehicle usage, fuel consumption, energy & water usage, solid waste generated, etc.
- Enables us to calculate annual tons of CO2 emitted in the vehicle fleets we manage
Reducing our Footprint:

Greener Vehicles

Greener Facilities

Greener Offices
3. Increase Ridership
Improving the customer experience

- Going for Green
- Integrated ticketing & modes
- Superb customer information
- Doing all the basics well
An Overseas Overview
(And a few US examples as well)
Limburg, Netherlands
A Contract focused on Modal Integration & Passenger Convenience

- Highly integrated rail, bus & taxi systems, 42 million passenger trips
- Bus routes redesigned to integrate with rail “backbone”
- Innovative taxi feeder network, private taxi companies became partners
- Rail, bus & taxi dispatchers in same room
- Stations “flow changed to make transferring from bus faster, and new real-time travel information screens in stations & on buses.
- 29% increase in bus ridership & 36% increase in rail ridership
Nice, France – Model of Regional Intermodality

- Veolia Transport operates entire Nice transport network, long partnership with city

- Light rail introduced in late 2007, very popular & highly used

- Bus routes re-designed to integrate with light rail. Bus traffic increased 35% with no additional vehicles added.

- 24 communities all around the area have come together under one name (ligne d’azur) with integrated routes, new regional farecards, integrated website, improved signage & passenger information
Veolia will operate 18 hybrid diesel-electric buses for the downtown district of the City of Baltimore.

Will be the only fleet of all-hybrid buses used in a downtown area.

The service will start in winter 2009, but we have already been heavily involved with branding the buses, creating the passenger information, routes and signage to maximize the customer experience.

Sleek and comfortable new buses with 10 minute waits, at no cost to riders will help get cars off the road in this congested downtown with scarce parking.
Nord-Ostsee-Bahn (NOB) - Germany

- Veolia started On-line and Mobile Phone ticket purchases to increase ridership. (8.4 million riders/year)

- Implemented green driving training for all operators throughout the rail network which has resulted in a savings of 1 million liters of diesel per year

- Piloting a proprietary product (TransInfo) to provide our drivers and fleet managers with real-time fuel consumption analysis. Resulted in a 5-6% decrease during pilot phase
Foothill Transit - The Electric Ecoliner

✔️ As part of Veolia’s Foothill Transit Management Contract, we are procuring some new electric buses (Proterra, LLC coach) in April.

✔️ It features fast, in-route battery charging. The charging “dock” is hands-free, and only requires the bus operator to drive the bus into its marked position under the charger.

✔️ The battery gets a 95% charge in under 10 minutes, making continuous operation of an electric bus in day-to-day service a reality, without the hassle of a lengthy overnight charge time before the bus can be put back into service.
The Eurostar Rail Service

- Eurostar provides high-speed rail service between the UK and mainland Europe
- Eurostar targets reducing carbon dioxide emissions per passenger trip by 35% by 2012, compared with 2007
- The operator has already achieved a 31% cut in emissions, largely through a switch to lower carbon sources of electricity along its routes (without using off-setting in order to achieve its target)
Deutsche Bahn AG - Germany

✔ Deutsche Bahn AG is a German passenger and logistics company

✔ DB has set up a climate protection program to increase their use of renewable energy sources in their total electricity consumption and their energy efficiency.

✔ Compared with 2006 levels, DB wants to reduce its Group-wide specific carbon emission levels by 20% by 2020. This includes all its land, sea and air services.
Thank you!

Mitun Seguin
Director of Marketing Veolia Transportation, NA

Mitun.Seguin@veoliatransportation.com