



**Climate Smart Presentation**  
**January 24, 2013**



# About Securiguard

- Founder, Owner and President: Darcy R. Kernaghan
- Over 1600 security officers across BC and Alberta
- 47 Alarm Response/Mobile Patrol Vehicles in Vancouver, Victoria, Nanaimo, Kelowna and Edmonton.



# Some of Securiguard's Sustainability Initiatives

- First Bike Patrol in British Columbia
- Sustainable Purchasing Policy
- Electronic Invoicing / Accounting Processes
- Early adopter of environmentally-friendly vehicles
  - Hybrid Vehicles
  - Electric Scooter
  - Smart Car



# The Evolution of Sustainable Transportation



# Results: Nero Fleet Management


- Implemented Nero Fleet Management in 2010
- Benefits of Nero GPS Tracking and Management
  - More efficient routing and driving
  - Reduced engine idling and fuel usage
  - Faster response times for alarm calls
- Annual Fuel Savings Realized: \$80,000

# Results: Nero Fleet Management



# Partnership with Climate Smart Program

- First in contact with Climate Smart in 2009
- Tracking Reduction in year-to-year emissions
  - Offices: Van, Vic, Nan, Kel, Edm
    - Electrical
    - Heat
  - Paper Consumption
  - Air Travel
  - Vehicle Fuel Consumed



**CLIMATE SMART CASE STUDY**

## Securiguard

Optimizing routes reduces fuel use and fleet size

Securiguard is a full-service in-home security solutions company offering customized corporate security services, security guards and security consulting. Through participating in the Climate Smart program, the company measured their baseline inventory for their North American operations for the 2010 fiscal year and is currently measuring their footprint for 2011 and 2012.

The 47-vehicle Securiguard fleet currently includes 17 hybrid and one diesel vehicle. In addition to replacing conventional vehicles with 17 efficient hybrids, Securiguard is planning to replace an additional 12 vehicles with leased hybrids in the next year.

The net per-vehicle savings that Securiguard has realized from these changes are \$100 per month, including additional leasing costs. Annual savings amount to \$21,000 in fuel costs (assuming \$1.30 per litre), and translate into a projected greenhouse gas (GHG) emissions reduction of 97 tonnes CO<sub>2</sub>e, or a 13% reduction in emissions from Securiguard's 2010 baseline measurement, with further reductions to come from increased fleet efficiency.

Securiguard was also able to reduce the total number of vehicles in their fleet over the past two years through better route planning using new route optimization software implemented in their vehicles. Financial return from this on-board software includes subsequent fuel savings and reduced size of the Securiguard fleet have been substantial. Securiguard is realizing savings of \$5,000 on a monthly basis.

In total, Securiguard's fleet efficiency initiatives have resulted more than \$80,000, as well as reducing a major component of their carbon footprint.

Cutting down on vehicle idling, implementing electronic invoicing, improving their recycling infrastructure and reducing energy consumption by implementing "turn-it-off" programs and reducing vampire power are other ways Securiguard is working to thoroughly and thoughtfully green their operations.

**Annual savings:**  
**97+ tonnes CO<sub>2</sub>e**  
**\$80,000+**

BEYOND BIG, SMALL BUSINESSES TAKE ON GREENHOUSE GASES 11

# Partnership with Climate Smart Program

- Analysis of Reduction in Emissions
  - Emissions: 2009-2010, 752.43 tonnes
  - Emissions, 2011-2012, 695.17 tonnes
  - 7.6% reduction





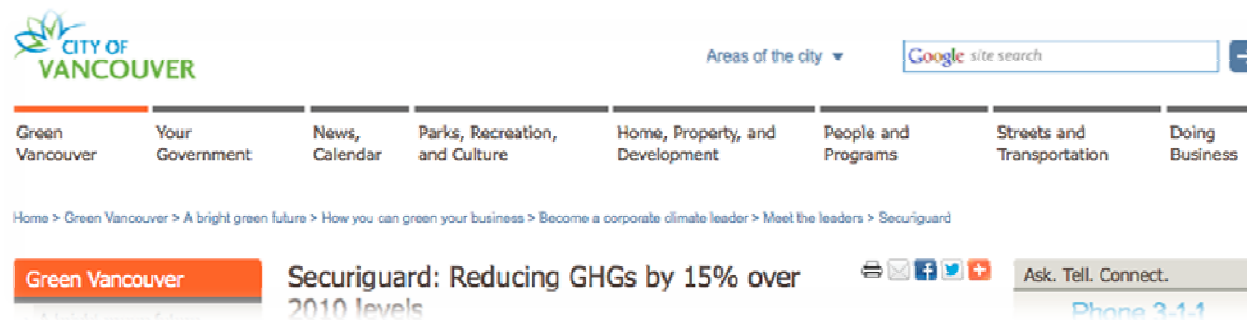
# Partnership with Climate Smart Program

## Other Indicators

- Emissions Relative to Revenue
  - FY 2010: 19.29
  - FY 2011: 17.99 (-7%)
  - FY 2012: 17.25 (-4%)
- Air Travel (tonnes CO2)
  - FY 2010: 39.6
  - FY 2011: 29.3 (-26%)
  - FY 2012: 27.2 (-7%)

# City of Vancouver Corporate Climate Leader

- In 2011, Securiguard was one of the first companies invited to join the City of Vancouver's Corporate Climate Leaders Program
- Program required a set goal for emission reduction.
  - Reduce GHG emissions by 15% from 2010 levels, by 2014.



# Current/Future Initiatives

- Replace entire fleet of vehicles with hybrids
- Site-specific innovations (Electric Golf Carts)
- Translink Employer Pass Program
- Car2Go accounts for staff use
- Paperless Proposals

