

Mobile Applications That Will Change the Way We Use Broadband

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Enviance: Software to Save the Planet

Enviance System leverages the Internet, and deep environmental domain knowledge to unlock the data needed to confidently manage greenhouse gas and regulatory compliance

- Enviance System automates
 - Greenhouse gas foot printing and reduction management
 - Air, water, and waste emissions management
 - Compliance/GHG task management (calendar, reminders, escalations)
 - Notifications and escalations when data or tasks may be out of compliance
 - Regulatory and stakeholder reporting



Pioneer and Thought Leader

FIRSTS:

- 2001: Internet-based system to automate air, water, and waste emissions compliance
- 2005: Internet-based greenhouse gas (GHG) management system
- 2008: Internet-based vehicular carbon dioxide management system
- 2008: GHG Bootprint in Department of Defense (2008)

- Only 'full media' provider of Internet-based system
- 7x24x365 operation, across 45 countries
- Adopted by leaders in Process Industries and by US Army
- Over 500 years of environmental compliance experience
- 360° knowledge: Employees include former regulators, facility managers, consultants, soldiers, installation inspectors



Working with Climate Change Leaders



- **Electric Utilities - AEP**
 - CDP Climate Leaders Index
- **Chemicals - DuPont**
 - #1 USA & #2 Global Ceres
- **Oil & Gas – Chevron**
 - DJ Sustainability Index
- **Major US City – Denver**
 - 1st Driving Behavior Study
- **Federal DoD – US Army**
 - First GHG “bootprint”

Increased Bandwidth Further Opens Up the Internet and Improves the Quality of Compliance

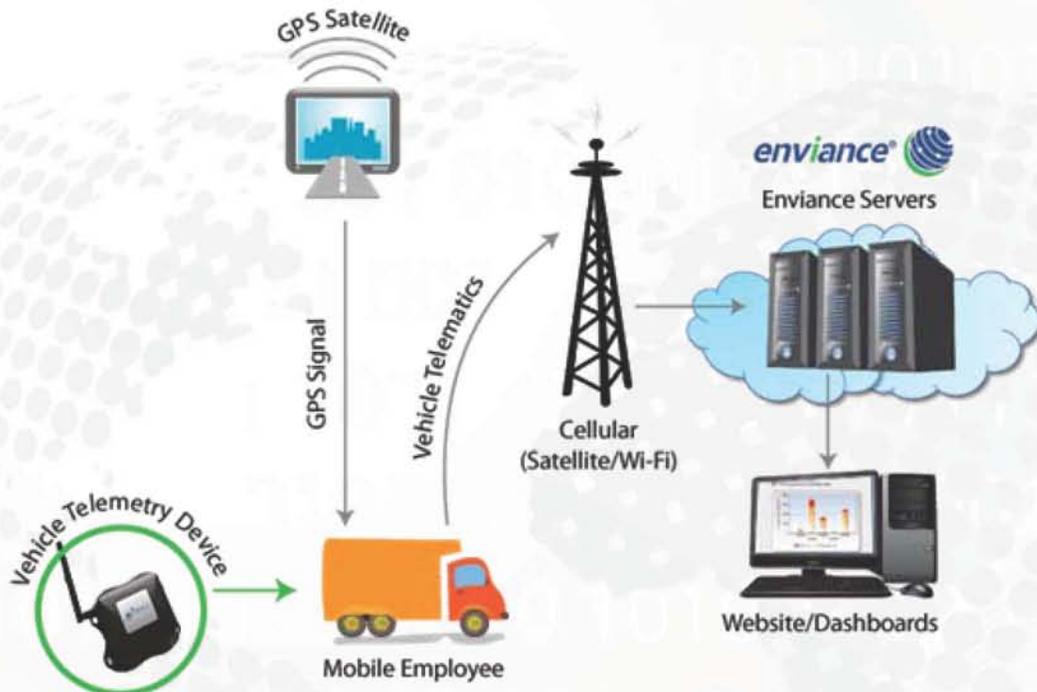
Activity Performed	Current Bandwidth	Increased Bandwidth
Complete mandated task	✓	✓
Manually enter data required for compliance	✓	✓
Upload data in 'bulk' (e.g. via spreadsheet) to ensure compliance		✓
Run reports to timely manage compliance data		✓
Review online 'dashboards' <ul style="list-style-type: none"> - Achievement of carbon emission goals - Energy efficiency - Impact on operations based on cost of carbon 		✓
Add or modify regulations/permit conditions for 'evergreen' compliance system		✓
Update internal or external permit limits to maintain accurate representation of compliance obligations		✓

4G Enhanced Reliability and Security Increases the Value of Mobile Enterprise Applications

- Information collected, analyzed and managed, in real-time, directly at renewable energy sources
 - Solar, wind, bio-gas sources are typically in remote areas of the country
 - Real-time analysis and reporting of newly entered data, including asset efficiency, anytime, anywhere
- Improved security increases the amount and type of data that moves to and from the internet and mobile devices



Driving Change Dashboards Via Mobile Devices Becomes a Reality With 4G



DRIVING CHANGE
Reducing Vehicle CO₂ Emissions

Please be aware that Driving Change will be taken offline for Scheduled Maintenance on **Friday, July 3, 2009 at 7:00 PM Pacific**. We expect to bring our servers back online before 11:30 PM Pacific. During this time you will be unable to access The Driving Change dashboards.

Driving Snapshot See all Driving Snapshots

Total Carbon Emissions Per Mile for the Last 30 Days
Actual: 1000 pounds of CO₂ Target: 1000 pounds of CO₂
You are 100% of Goal

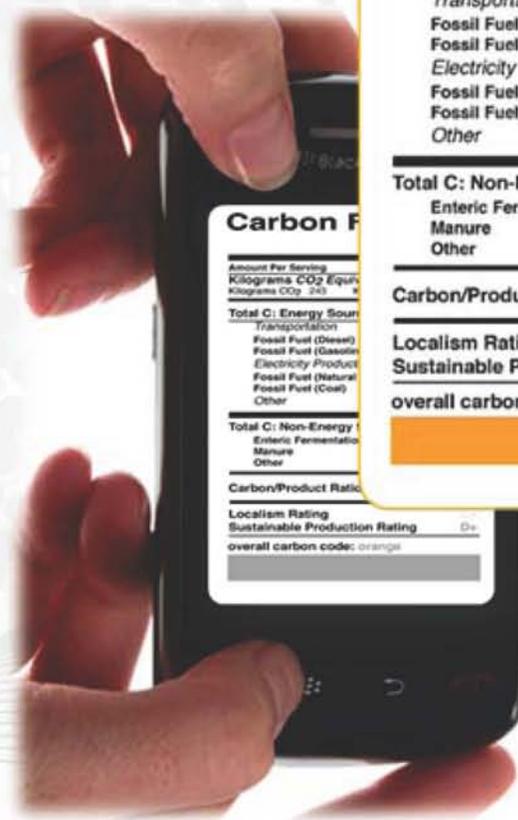
Congratulations! You've reached your goal. Keep up the good driving behaviors. To continue reaching your goal, please read suggested [reduction strategies](#). See all of your [driving charts](#).

Percent of Goal

Total Carbon Emissions for Last 30 Days

1000 Enviance (2008-2009)
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Extending Mobile Broadband to Supply Chain Environmentalism



Carbon Facts	
Amount Per Serving	
Kilograms CO ₂ Equivalent	3.08
Kilograms CO ₂	.243
Kilograms CH ₄	.123
Total C: Energy Sources 243g	
<i>Transportation</i>	
Fossil Fuel (Diesel)	120g
Fossil Fuel (Gasoline)	48g
<i>Electricity Production</i>	
Fossil Fuel (Natural Gas)	75g
Fossil Fuel (Coal)	0g
<i>Other</i>	
Total C: Non-Energy Sources 2840gCO₂E	
Enteric Fermentation	81.0g (1864gCO ₂ E)
Manure	25.8g (656gCO ₂ E)
Other	5.2g (120gCO ₂ E)
Carbon/Product Ratio	23.7
Localism Rating	C+
Sustainable Production Rating	D+
overall carbon code: orange	

Emerging Opportunity: Supply Chain Environmentalism

Defined: the effort of the retail community to recast the competition in the commodity marketplace by treating carbon content as a differentiator for same-priced commodity products.

A \$1.39 screwdriver is not longer just a \$1.39 screwdriver

- De-commoditize commodity markets
 - Reshape competition in global commodity markets
- Engage the US consumer
- Green the planet by changing manufacturing practices
- Green US wallets



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www.enviance.com

