Revolutionizing Shared and Electrified Mobility

Massachusetts ZEV Commission Meeting
09/27/2018
There is a BIG Problem with Mobility

We’re still commuting the same way people did over 30 years ago.

Suburbs will look more and more like cities.

Increased density and population growth.

Technology can help us. People should not be driving alone.
Greenspot develops, installs and manages publicly accessible EV infrastructure and implements shared electric mobility solutions at its locations – with $0 Taxpayer Dollars Spent!
How Does It Work?

**Acquisition**
- Secure rights for publicly accessible parking spots with high utilization potential

**Improvement**
- Install EV charging stations

**Implementation**
- Create custom tailored electric shared mobility program

**Operation**
- Manage and operate from shared electric mobility program

Where Do We Do It?

- **Municipalities**
- **Private Developments**

By selecting visible, conveniently located spots our services become a viable alternative to conventional transportation models.
Current Programs and Deployment

Israel Ministry of Energy and Technion – Israel Institute of Technology
- Demand based installation of AC charging stations in public right-of-way
- First of its kind Demonstration Project in Israel ~$825,000

Jersey City
- 19 curbside spots, including one DC charger
- First EV Zone in Jersey City
- Partnership with Maven
- One of top utilized locations nationwide

Asbury Park, NJ
- Winning bid for exclusive EV car sharing program in public right of way
- Up to 100 spots
  - 80 for car sharing
  - 20 for public charging

Woodbridge, NJ
- Winning bid for exclusive EV car sharing program in public right of way
- Up to 100 spots
  - 80 for car sharing
  - 20 for public charging
Market Outlook

Electric Vehicles
- Electric vehicle forecasts are rising significantly
- Today less than 1% of cars on road are electric
- By 2040 54% of new car sales will be electric

Shared Mobility
- Today over 54% of population lives in urban settlements; by 2030 this number will grow to 60%
- In next 13 years 1 in 3 people will live in cities with over 500,000 inhabitants

Car Sharing market is expected to experience 35% year over year growth from 2016-2024

Urban Mobility will define the way cities grow

Source: Tony Seba, United Nations, World Bank, Global Market Insights Inc.
Electric Vehicles – Save Money While Saving the Environment

Massachusetts Price Per Gallon
- Regular Gasoline: $2.86
- Electric eGallon: $1.53

95% of the day our cars sit idle

73% reduction in emissions by driving EV compared to Internal Combustion Engine Vehicle in Boston

>85% reduction in carbon emission by implementing an electric & shared mobility solution

Average Grams of \(\text{CO}_2\) Emissions in Zip Code 02108 - per Mile

- Gasoline only: 381 grams
- Plug-In Hybrid Electric: 181 grams
- Battery Electric: 102 grams

Sources: (1) Energy.gov (rates as of August 25, 2018); (2) https://www.ucsusa.org, (3) Institute for Transportation & Development Policy
Meet Sustainability Goals with Greenspot’s Comprehensive Mobility Solution

Greenspot uses its vast mobility experience to offer a custom tailored comprehensive sustainable mobility solution to the public.
Leveraging Technological Advancements As Cities Grow

- Reducing carbon emission
- Reducing reliance on fossil-fuels
- Sustainable alternative to car ownership
- Decreasing congestion
- Fewer parked cars

- Reducing Fleet Size
- Optimization
- Efficiency
- Culture Change
- Sustainability
- Revolution

Incorporating shared and electric transportation can cut our carbon footprint by 80%!
“Boston goes green by adopting shared EV technology!”

- Worldwide News PR

“This is what city life is like thanks to your Green Technology:

• Less cars per household from 1 to 0, therefore half as many cars on road
• Save Money w/ Efficient Transport
• Boost Community, Attract Innovation, Millennials, Economic Development
• Cleaner Air
• Setup City for Sustainable Tomorrow

“Boston- the best place to LIVE, WORK & PLAY!”

- Worldwide News PR
Key Takeaways

- Average 1.25 cars per household
- 35.3% of Boston households own two or more cars
- Only 32.8% of commuters use public transit
- 39.4% of all commuters drive alone
- Average commute is 29 minutes long
- 52.1% of commuters endure commutes longer than 30 minutes

Solution

- Publically accessible EV infrastructure
- Shared, electric mobility solution
Thank You!

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