

### **Our Commitment to Electric Transportation**



AEC March 2018 Karsten Barde, New Energy Solutions

### We've operated 66 Level 2 stations across upstate NY since 2013

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HERE WITH YOU. HERE FOR YOU.

Albany Amherst Amsterdam Buffalo Canton Clifton Park Cobleskill Cohoes Dunkirk Ellicottville Fredonia Glenmont Glens Falls Saratoga Springs Schenectady Guilderland Hamburg Syracuse Hudson Tonawanda Jamesville Troy Lake George Utica Watertown Liverpool Menands Watervliet Niagara Falls Ogdensburg Olean Potsdam Queensbury

Look for them on www.Plugshare.com



## EVs are everywhere today – including our NY electric territory

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http://www.nyserda.ny.gov/Cleantech-and-Innovation/Electric-Vehicles/Tools/Electric-Vehicle-Registration-Map

# Electricity in Upstate NY is clean and cheap!

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Results for Albany, NY, using Union of Concerned Scientists Emissions Calculator

### **Fuel Price Equivalents**

- Gasoline @ \$2.50/gallon
- Electricity @ \$0.15/kwh

9.0 cents per mile4.9 cents per mile

Results assuming 25 mpg gasoline car vs. 100% Battery EV, with 3-year NIMO residential average price per kWh

# We offer a whole-house Time-of-Use rate that can further reduce cost

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	Delivery Rate Period	Commodity Rate Period
On-Peak	7am-11pm	7am-11pm
Off-Peak	11pm-7am	11pm-7am
Super-Peak		2pm-6pm (June-August)*

\*Excluding weekends and holidays



**\$150/year** savings vs. standard electric rate (35% lower charging cost)

1-year Savings Guarantee for EV Drivers

- Provide copy of your EV registration at sign-up
- Receive bill credit after 1 year, if your cost would have been lower under standard rate

## Utilities can help provide a service that lacks competitive returns

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Figure 8. NPV of Level 2 Charging Station Across Discount Rates



# Charging programs can combine utility and partner strengths

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#### **Utility strengths:**

- Low cost of capital
- Long-lived asset base
- Subject to regulatory oversight
- Operations and maintenance

#### **Partner strengths:**

- New technology development
- Driver support

### Shared strengths:

Prospective site host recruitment



### NY Electric Transportation Programs Launching Spring 2018

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#### Charging Infrastructure

- "Make-ready" investment and incentives for site hosts, with requirement to operate for 5 years
- Funds to be prioritized based on site hosts' commitment to outreach, ride-and-drives, etc.

#### Marketing

- Testing channels and messaging to key consumer concerns:
  - Affordability
  - Range
  - Charging
  - Vehicle Availability
  - Convenience

#### **New REV Shareholder Incentive**

- "Earnings Adjustment Mechanism" to reward us for increasing EV adoption
- Measured against a statistically-similar geography/service territory