Building Virtual Power Plants from Electric Vehicles
& Other Shiftable Loads
EVs + Grid Services = $ Billions of New Value

New energy market opportunities

$10B+ markets just in the US

EVs - best type of grid resource

- Ultra-flexible
- Respond in seconds
- Zero capital cost
- Zero dispatch cost

2016: 30 GWH capacity, 5 GW peak
2026: 3 TWH capacity, 300 GW peak
**Vision** - “energy router” for electric transport - home, work, DCFC

- Predictive grid models (incl. Renewable balancing)
- Predictive driver models
- Dispatch via multiple end points
EV Load Access: Three-Stage Master Plan

Better EV Driver Experience & Incentives

Smart Stations
Amazon best-seller, 12,000+ Stations sold, partner to access 50,000+

JuicePlug™
Makes any EV charging smart. Immediate access to the entire EV installed base

Direct EV Control
JN Cloud - to - OEM Cloud. Traction with six global OEMs, first contract
Market Leading Traction

Leading technology

Key relationships
Real-Time Control to Solar Production

Utilizing 3-second latency to maximize on-site solar consumption in NZ installations

GRAPH ABOVE SHOWS THE JUICEBOX SESSION OF WHEN THE VEHICLE WAS PLUGGED INTO THE JUICEBOX.
1/21/2016, 2:35:16 PM: Power (kW): 0 Energy (kWh): 2.22

Large house loads

Clouds
Unlocking EV and Renewable Energy Potential

JuiceNet helps drive EV & renewables penetration by unlocking EV-Grid integration value at scale

Reduce monthly costs by up to 20%
Enable higher penetration of intermittent renewables

1 GW target flexible load capacity in 2020