



### Cost of Ownership Calculator

Select an EV from the dropdown and view your costs over time.

Discover how much you could save by switching to an EV.





Tons of CO<sub>2</sub> per year\*

Typical conventional car

5.2

Electric vehicle charged on Xcel Energy system, 2016

1.5

Electric vehicle charged on Xcel Energy system, 2030



Electric vehicle charged solely with Xcel Energy's renewable energy

0

<sup>\*</sup>Compares annual tailpipe emissions from a typical car, per EPA data, to an EV charged on the Xcel Energy system at projected annual average CO<sub>2</sub> intensity under our clean energy plans.

Adam Carstensen (left), a participant in the new Minnesota electric vehicle home charging pilot program, discusses advantages of his new program with Neal Callinan of the Xcel Energy EV team.





# Market Focus







#### Core Services

**Advice** 

Infrastructure

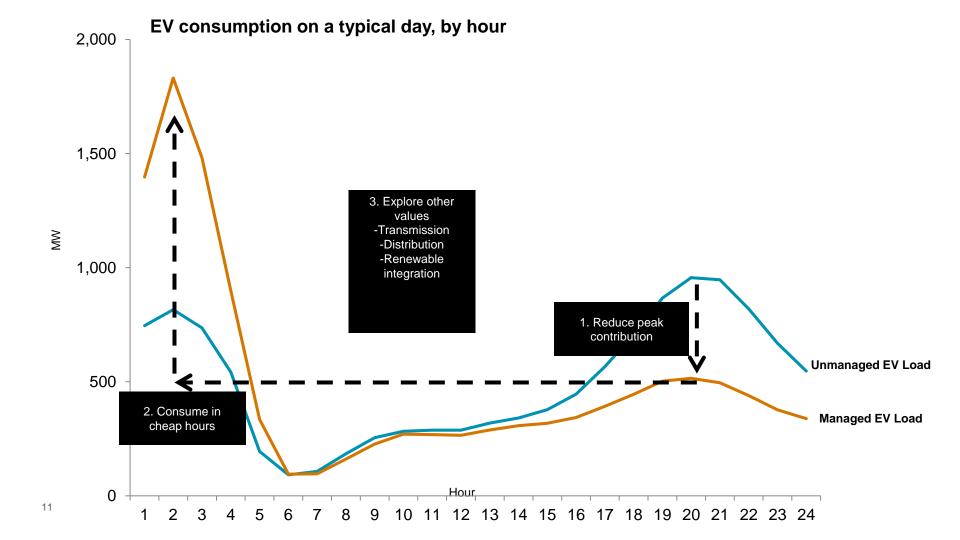
**Optimization** 











#### Challenges Ahead

- Utility role varies by state
- Awareness remains very low
- Behavior change is difficult
- Early stage technology difficult to scale
- Costs are high
- Smart charging is complicated



## **Xcel** Energy®