# **Sharing Mobile Storage for Demand Charge Reduction**

Demand

Side

Lead PI: Kameshwar Poolla, UC Berkeley, poolla@berkeley.edu

#### **Business case: Demand charge reduction**



## **Piggyback on electrified TNCs**



- TNCs are electrifying their fleets
- CA SB 1014: Clean Miles Standard & Incentives Program ٠
- Demand charge requests and ride sharing requests are complementary spatially and temporally

### **Temporal statistics of peaks**





coincident peaks

#### Hardware cost and driver compensation

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(x) 30

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- Demand charge reduction covers L2 charger costs
- Driver compensation comparable with Uber

# Joint service provision in electrified TNCs

- Developed model and computational tools to optimize joint service provision for electrified TNCs
- Identified conditions under which providing electricity service creates synergistic value for existing transportation services