Planning Electric Vehicle Charging Infrastructure

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• **Optimization of incentive policies for promoting EV**
  
  – Develop and solve a model that consists of:
    
    • a simple travel model;
    
    • a vehicle choice model; and
    
    • an optimization model

• **Locating charging stations to support intercity EV travel**
  
  – Minimize the infrastructure investment on the charging facilities, inclusive of:
    
    • fixed cost of building charging stations
    
    • charger cost
  
  – Maintain a certain level of service, defined by
    
    • time spent in the queue
    
    • Charging time