**Reading Summary:** EV Charging Network Design with Transportation and Power Grid Constraints

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**Submission Date**

**1 The Problem(s)**

Please describe the problem(s) in your own words. Is the problem important at the time of paper publication, and

how about now? Why?

Under the constraint from power grid and the time-varying and location-dependent demands

**2 Main Idea(s)**

Please describe the main idea(s) in your own words. How is the idea different from the existing work at the time of

paper publication? How does the idea impact the follow-on work till now?

optimize the charging station locations and the number of changers in each station: (1)model coverage area of each possible location (2)formulate the problem as profit maximzation

**3 Major Strengths**

Please list at least three most important things in this paper. Why do you think they were important at the time of

paper publication? How about now?

1. This paper first focuses on the optimal charging network design for charging service providers
2. Not data-driven solutions

**4 Major Weaknesses**

Please list at least three things you think may need further improvement in this paper. Has the improvement

appeared in the follow-on work already?

1. The possible locations are given

**5 Possible Improvement**

Do you have some ideas of your own on this problem? Can you do something better or differently? How can you

show that?

1. Data-driven methods to find some possible locations
2. Balance the profit between the drivers and charging service provider