

Phase 2: Identify what is possible now

### Step 3

Conduct a feasibility analysis on your fleet

#### Things to do

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- Install data loggers on current vehicles to collect data on use and duty cycle.
  - This data will help determine which routes can be electrified first.
- Assess which duty cycles/routes are best suited to electrification by analyzing what their range needs are in a day and when there is sufficient downtime in the duty cycle for that vehicle to charge.
  - Some vehicles may need to use fast-charging infrastructure to be electrified, but this does not rule them out of the process — it just needs to be a consideration when planning the charging infrastructure in a later step.
- Determine energy needs by factoring in how many vehicles you plan to electrify and the mix of slow versus fast chargers.
- Determine ideal locations for charging stations, considering whether you will have them at one or multiple sites and how the location will help meet your energy needs.
- Request cost estimates from vehicle providers and charging station providers, including managed charging costs and solar and storage opportunities.
- Model the total cost of ownership, considering estimated grant funding as well as utility rates and resources that you learned about in Step 2.
- Discuss the results of your feasibility assessment with your utility.