

# EVALUATING FLEET ELECTRIFICATION STRATEGIES

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Slide design adapted from [Slidesgo](#).

# KEY ISSUES



## AGENCY GOALS

Priorities, planned service changes, investment time frame, savings target



## CURRENT OPERATIONS

Fleet, transit routes, schedules, fuel & maintenance, depot layout, terrain, passenger loads, climate



## PARTNERS & STAKEHOLDERS

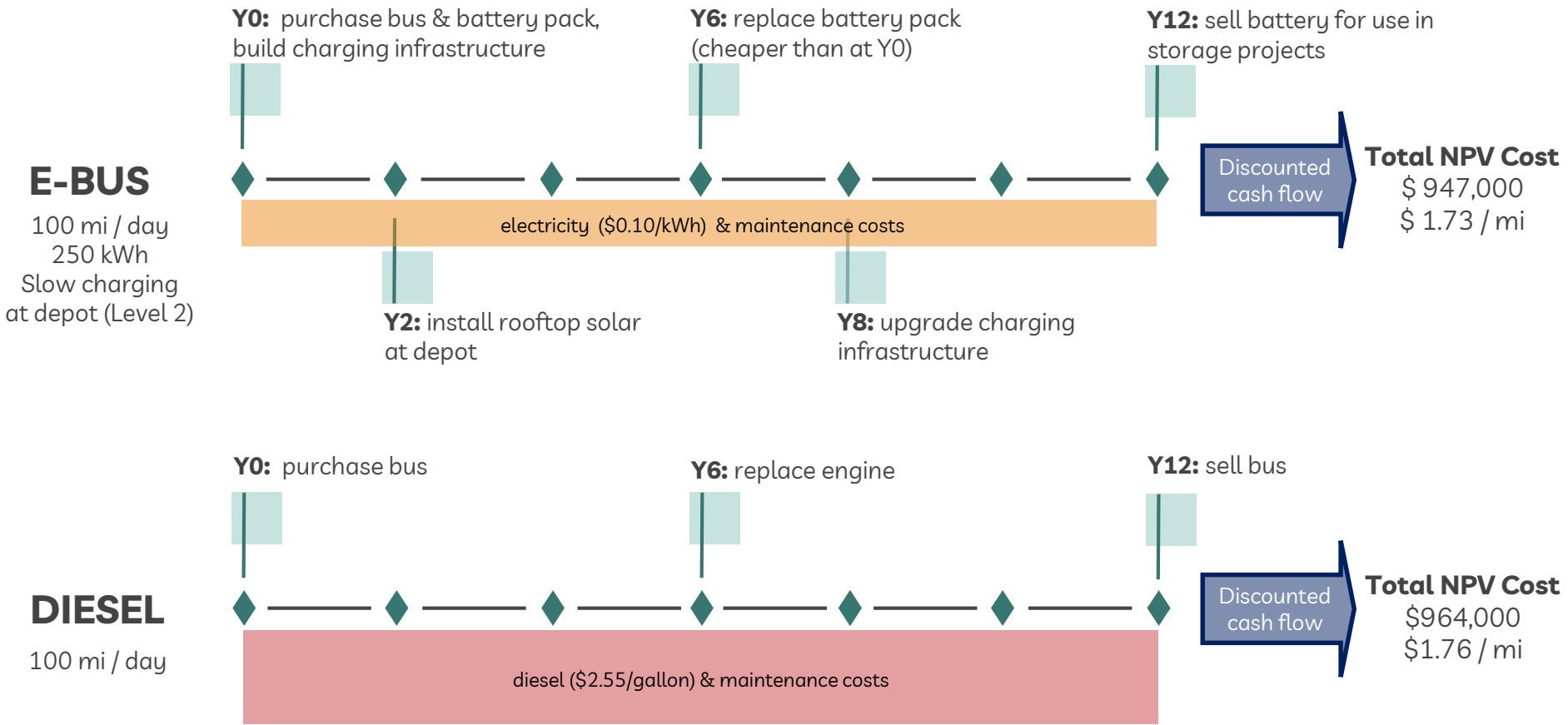
Intra- & inter-city joint procurement, local utility, grid operator, city managers, public health officials



## FINANCING OPTIONS & PREFERENCES

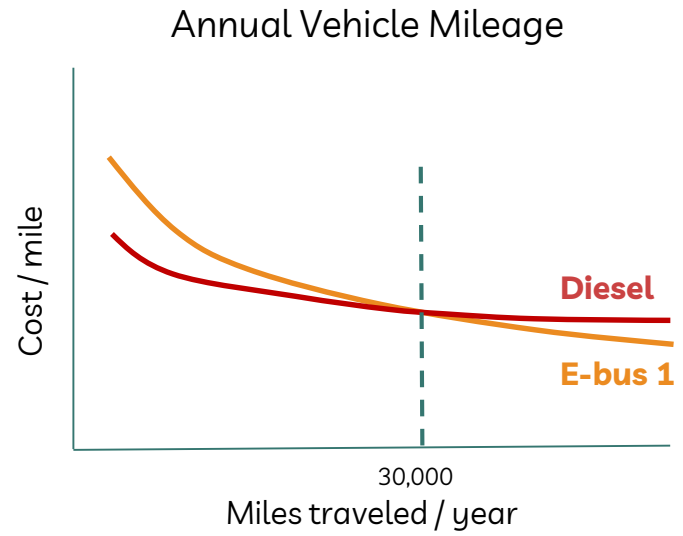
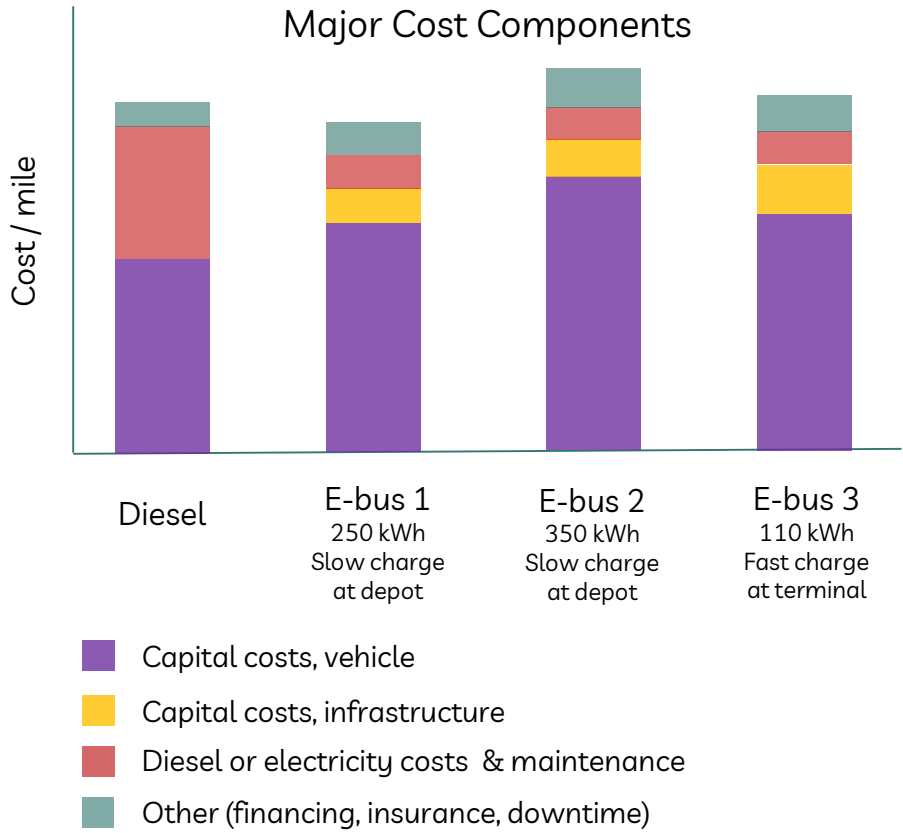
Grants, clean energy financing, owning vs. leasing, domestic vs. international manufacturers

# TOTAL COST OF OWNERSHIP



All figures are illustrative.

# COMPARING PROCUREMENT OPTIONS

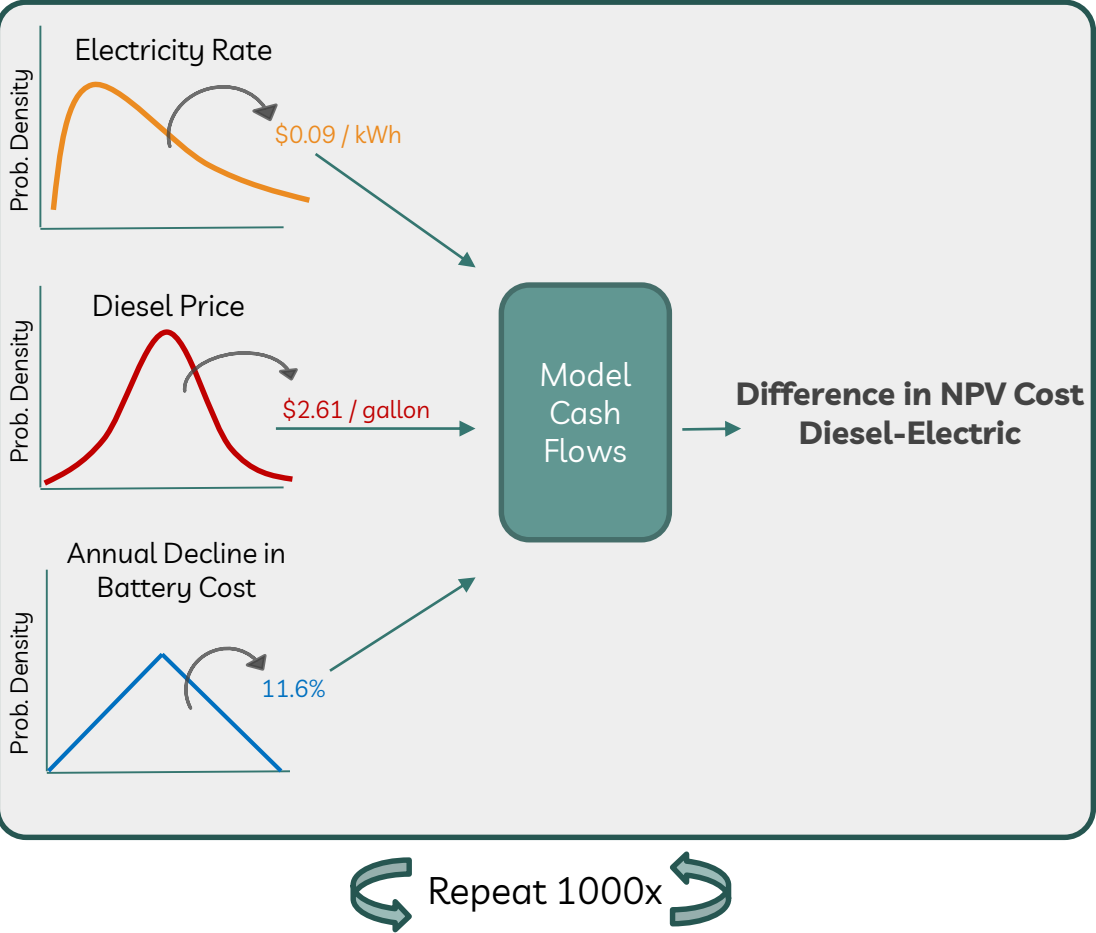


Other informative charts:

- Cost / mile as a function of expected years of vehicle use
- Cost / mile as a function of the number of vehicles procured
- Cost / mile as a function of diesel price

Adapted from Bloomberg's "[Electric Buses in Cities](#)" report. All figures are illustrative.

# SENSITIVITY ANALYSIS



**Use simulation to visualize risk and uncertainty in the possible outcomes of a project.**

The shaded region describes how often the diesel bus procurement results in a higher cost than the electric bus procurement.

