



Methodology - Illinois Clean Transportation Strategy Analysis

Executive Summary: Using RMI's EPS and Smarter MODES tools, this analysis is meant to reflect the GHG and co-benefits of adopting the following policies in Illinois:

- 1) set electric vehicle sales standards
- 2) require GHG planning in infrastructure projects and
- 3) boost investment in transit, enabling mode shift in Illinois.

Method 1: Energy Policy Simulator Settings:

- Key Assumption:
 - o Illinois adopts Advanced Clean Cars 2 and Advanced Clean Trucks starting in model year 2029
 - o Business as Usual (BAU) reflects IL current policies as of 2023
 - Scenario [Linked here](#)
- Additional Inputs under "EV Sales Standard" toggle
 - o ACT adoption using the following implementation schedule for vehicle sales
 - By 2035, 58% of Light, Medium, and Heavy Commercial Trucks sold are zero emissions (incrementally increasing from 0% required in 2029)
 - By 2035, 33% of Busses sold are zero emissions (incrementally increasing from 0% required in 2029)
 - o ACCII adoption using the following implementation schedule for vehicle sales
 - By 2035, 100% of Passenger Cars and SUVs sold are zero emissions (incrementally increasing from 0% required in 2029)
 - o Scenario [Linked here](#)
- [Full methodology here](#)

Method 2: Smarter MODES Calculator Settings:

- Key assumption:
 - o Through a combination of transit investments + GHG planning standards, IL achieves 20% per capita VMT reduction compared to 2019 levels by 2050
- Calculator set to following:
 - o State: Illinois
 - o BAU VMT: Increases from 107.5 billion in 2019 to 111.6 billion in 2050 based on historical trends
 - o VMT Target: 20% per capita reduction by 2050, given 2019 baseline
 - o EV adoption Scenario: 75th percentile, meaning that IL achieves approximately 80% Electric LDV Vehicle Stock by 2050
- [Full methodology here](#)

Results: Final analysis results in the RMI blog entitled 'Analysis: Illinois is leaving money on the table until it embraces clean transportation.'