

**EIN Cash Flow Model**

*Energy Independence Now (EIN)*

**Objectives**
Identify financial risks in early hydrogen infrastructure systems and illustrate hydrogen station cash flows under a variety of market scenarios. Explore solutions by quantifying impact of various incentives on these cash flows and quantify cost of incentives.

**Key Attributes & Strengths**
Market segmented into “core,” “emerging,” and “network support stations.” Vehicle fueling, sales patterns and retail prices can be varied by market. Station build-out differentiated between “coverage” and “capacity” driven phases. Model tests the impact of combinations of different incentives.

**Platform, Requirements & Availability**
Microsoft Excel-based platform.

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**INPUTS**
- Market Scenarios:
  - Vehicle sales.
  - Fueling patterns.
  - Fueling prices.
  - Infrastructure build-out and costs.
- Investment Package Scenarios:
  - Combinations of grants (capex and opex), debt, and tax incentives.

**ASSUMPTIONS & DATA**
- California context, but could be adapted to other regions.
- Expected capital and O&M costs for a variety of stations are collected from industry.

**OUTPUTS**
- Station-specific:
  - Return on investment.
  - Impact of incentives.
- Network-wide:
  - Funding needs for build-out.
  - Network support and funding.