Selecting Locations for Hydrogen Infrastructure

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Selecting Locations for Hydrogen Infrastructure

What defines the optimal location for a Hydrogen Station?

- Demand
- Scalability
- Accessibility
- Mutual Cost Agreement
- Distance From Other Stations

Demand

- Realistic expectation of demand.
  - OEM estimates for OEM vehicle users.
  - Estimates for Non-OEM vehicle

Scalability

- Footprint large enough for expansion.
- Expansion Cost are within budget.
- Ability to meet demand milestones.
  - Number of vehicles serviced for a defined period of time.
  - Volume of Hydrogen dispensed.

Accessibility

- Distance from major thoroughfare
- Station layout.
- Dispenser location.
- Tube trailer.

Mutual Cost Agreement

- Station owner's costs are reasonable.
- Lease duration.
- Contract wording.
- Permitting.

Distance From Other Stations

- Reliability of other stations.
- Minimum distance requirements.
- Local demand.
- Speed of fill.
- Number of back-to-back fills.
- Volume of station.

Selecting Locations for Hydrogen Infrastructure

What is the best approach for selecting site locations for stations in the future?

- Market demand.
- Reliability.
- Ability of a station to increase driving distance.