Hydrogen and Transportation

Hydrogen Frontier Inc.

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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

Dispensers

Optimal technical requirements for Hydrogen fueling dispensers.

- Duration of fill.
  - Customers want a short fill time.
  - Faster fills requires specialized equipment.
  - Multiple standards
    - Comm or Non-Comm?
    - J2601 fill tables.
    - J2601 proprietary?

Dispensers

Optimal technical requirements for Hydrogen fueling dispensers.

- Ease of use.
  - Customer must know how to fill vehicle.
  - Dispenser sequence must be the same for every station.
  - Displays need to be visible in direct sunlight.

Dispensers

Optimal technical requirements for Hydrogen fueling dispensers.

- Safety.
  - Dispenser must be fool proof.
  - Increase safety for Non-Comm fills.
  - Station and dispenser must be certified under a uniform standard.

Dispensers

Optimal technical requirements for Hydrogen fueling dispensers.

- Point of Sale.
  - Stations will need a method to charge per fill.
  - Must match current charging methods.
- Back-to-Back fills.
  - Customer does not want to wait for fill.

Infrastructure Coverage and Station Capacity

- Construct more stations using a scalable design as opposed to less stations with larger capacity.
- Consider centralized generation.
- Future funding can go towards increasing capacity while current funding can increase the number of stations.

Application Development

Funding options for assistance in application development.

- Design submission for prototype development.
- Large prize for competition.
- Milestone funding.

Additional Key Points

Hydrogen Fueling Infrastructure.

- Increase priority for destination stations and stations to connect clusters to destination.
- Consider achievements of previous awards.
- Set specific objectives now and let consumer demand dictate future objectives.