

Megaregion ZEV Medium/Heavy Duty Vehicle Study



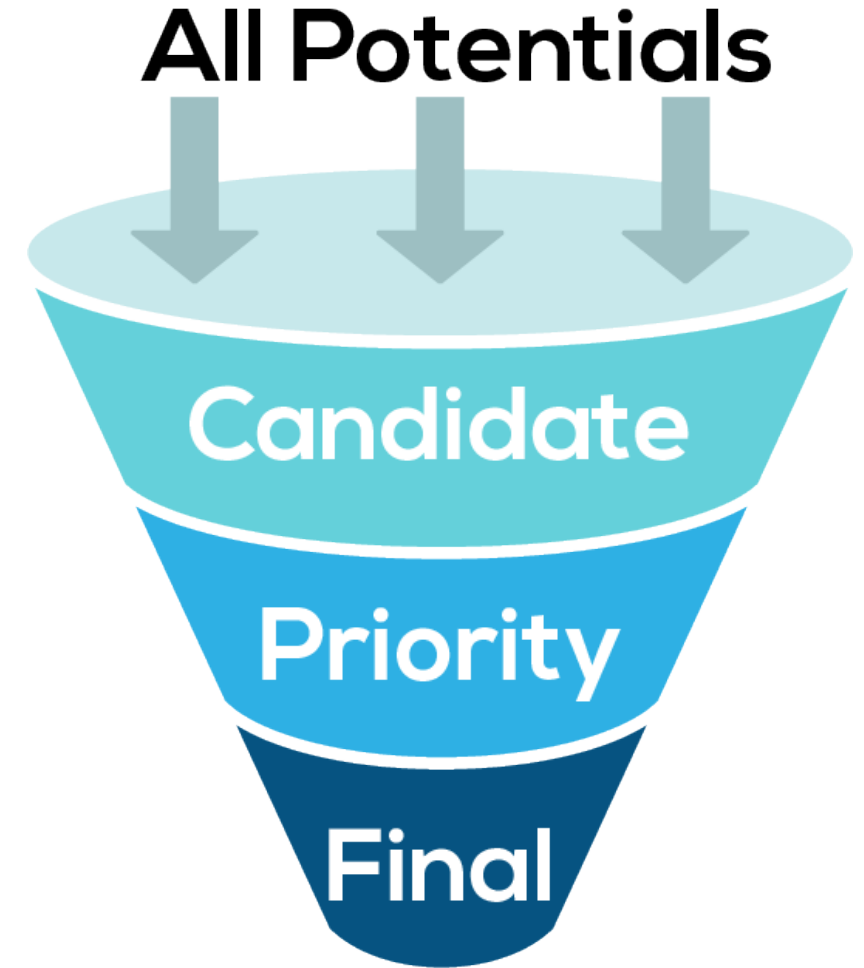
The Megaregion

- 15 counties
- Locations along 5, 80, 99, 50, 580/205 corridors
- Freight and goods movement
- Public DCFC
- Public hydrogen stations
- Report in July 2024



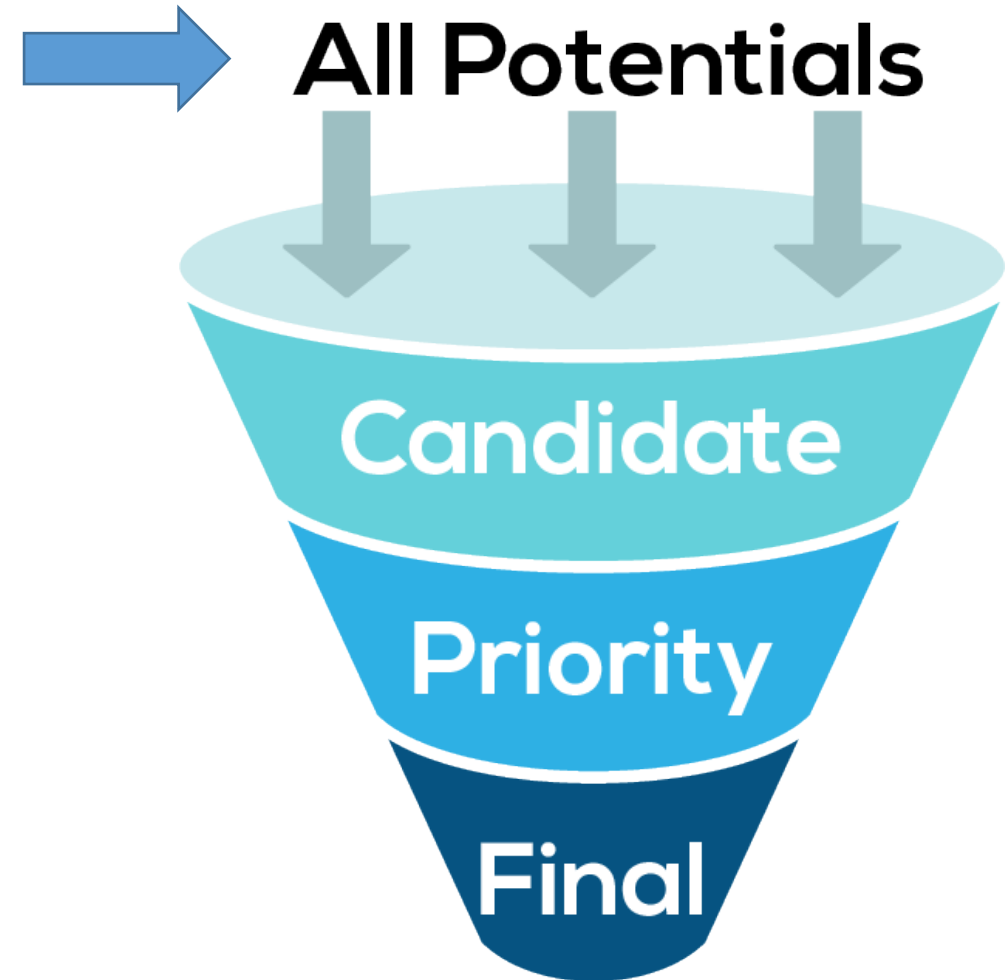
Steering Committee timeline

- Kick-off meeting today
 - Homework: input on data sources and stakeholder lists
- Meet in June
- Homework in July
- Homework in January 2024
- Meet in April 2024
- Review draft reports in May and June 2024



Prewrite/Homework

- Who else needs to be included in the May 23 launch event?
- What data sources or resources do we need to include?
- Which additional people or groups do we need to interview?



What should we know?

Opportunities

- Tools and terms that large and small utilities can use for grid planning
- Other projects, like TradePort California, Valley Link, and ARCHES H2

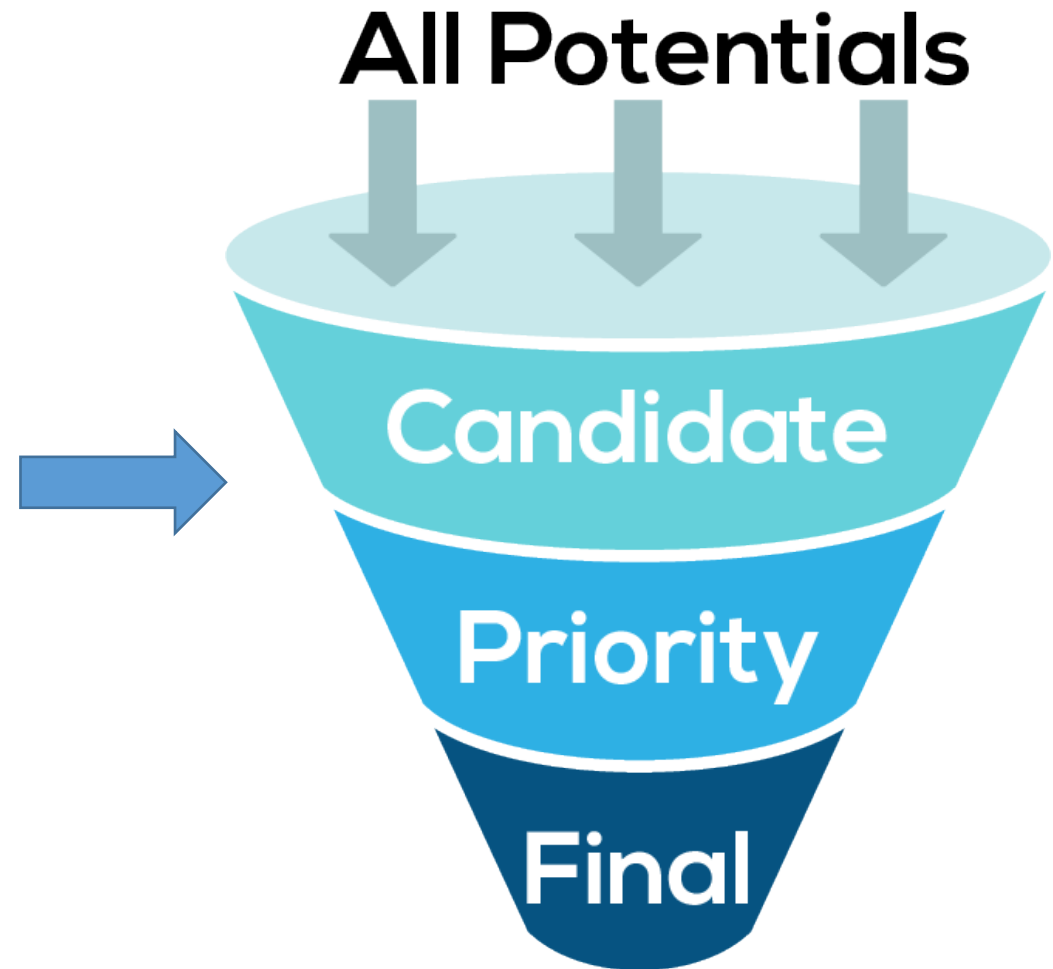
Challenges

- Accurate inventory of vehicles
- VMT and routes change with time of year

Next Steering Committee meeting – June 2023

Move sites from Candidate to Priority

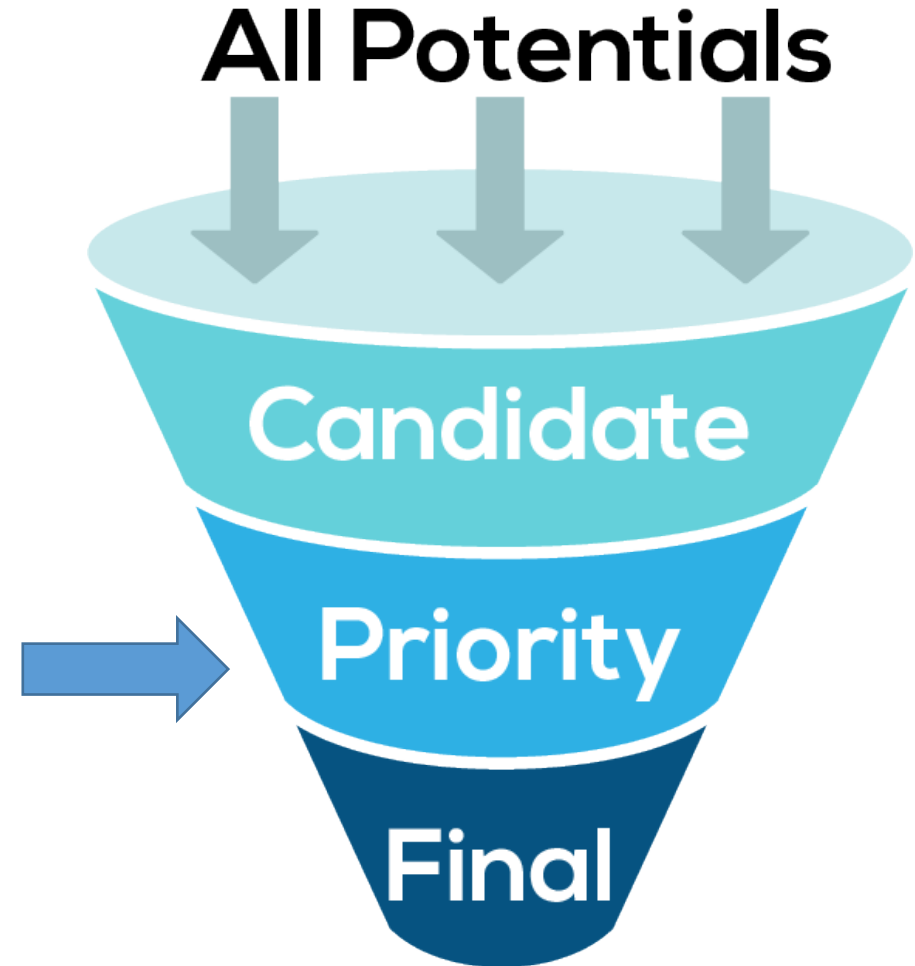
- Criteria
 - Demand
 - Cost & constraints
 - Benefits & synergies
 - Others?
- Weighting of criteria
- Applied systemwide or regionally



Steering Committee homework – July 2023

Review the proposed list of 20-25 priority locations

- What do we need to know?
- Who do we need to engage?
- Who will be helped?
- Who might be harmed?



Project team work

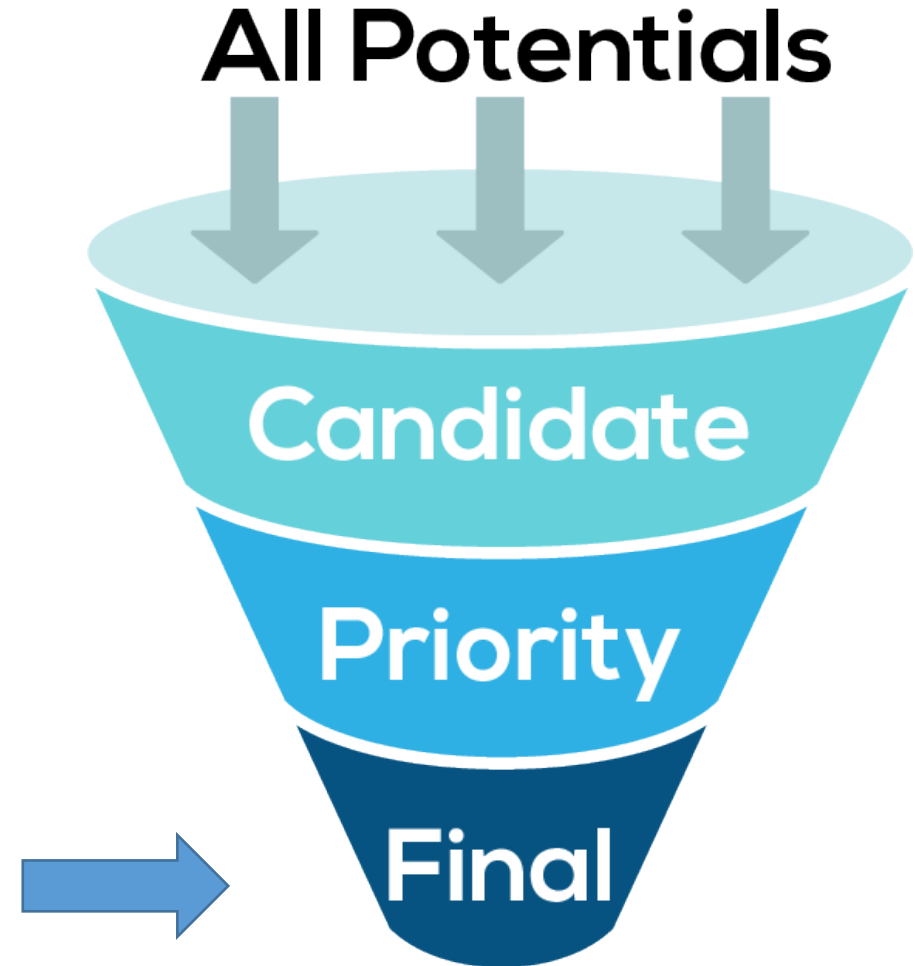
- Data collection and analysis
- Grid capacity research
- Hydrogen supply
- Site feasibility
- Land and road impacts
- Cost, financing, and partnerships
- Community benefits and harms

Other meetings and interviews:

- Freight operators – mostly interviews
 - FOB
 - Dedicated routes
 - Agriculture
- Utilities
 - Municipals
 - PUDs
- Station operators and owners – mostly interviews
 - Conventional fuels
 - EV
 - Hydrogen
- Community members – events and interviews

Steering Committee homework – January 2024

Review the assessment of challenges and opportunities that are region wide and those that are location specific.



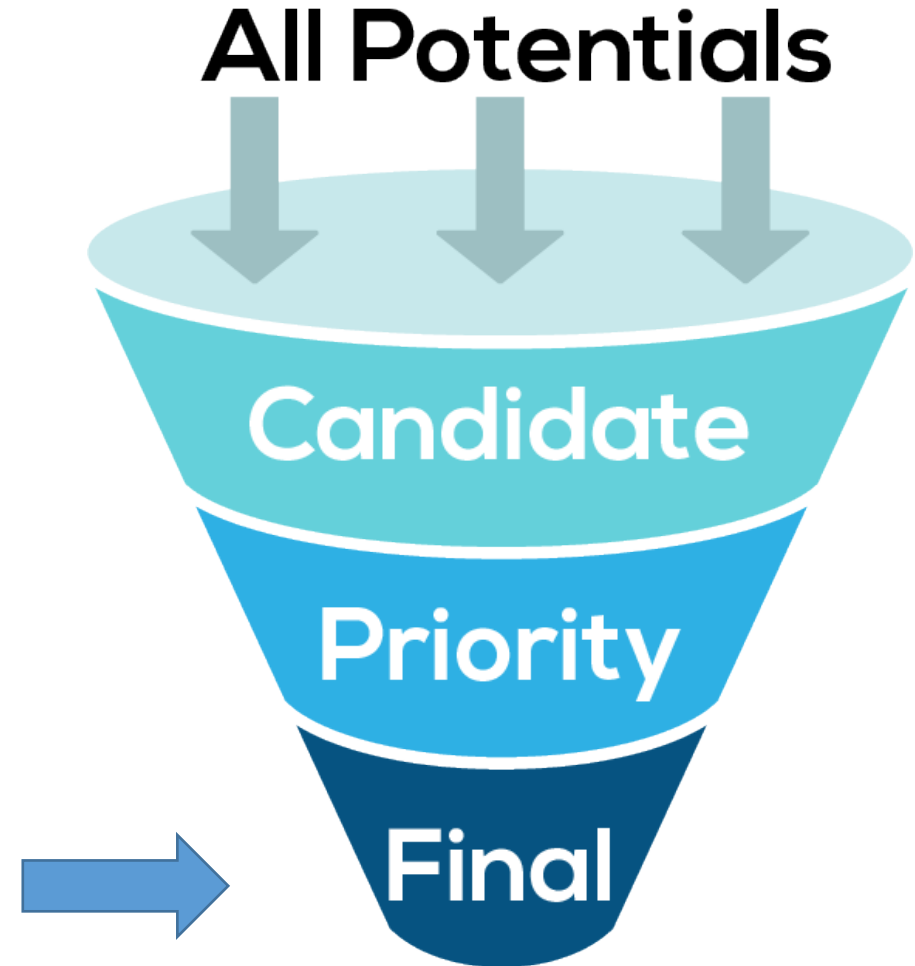
Project team work

- Work for individual station locations
 - Feasibility reports
 - Conceptual drawings
 - Community engagement plans
 - Operational models
 - Factsheets

Steering Committee meeting – April 2024

Implementation recommendations

- Phasing of station development
- KPIs to track progress
- Future proofing
- Leveraging unexpected opportunities
- Resiliency from unexpected changes



Steering Committee homework – May and June 2024

- Review and comment on draft report for July publication
- Help to identify opportunities to circulate the report
- Celebrate!



FRONTIER
energy

DKS



DIYSL



Thank you!



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