

REV-West simplified GIS modeling tool

Intermountain Western Alternative Fuel Corridor Convening

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Goals and Limitations

- **Goals:**

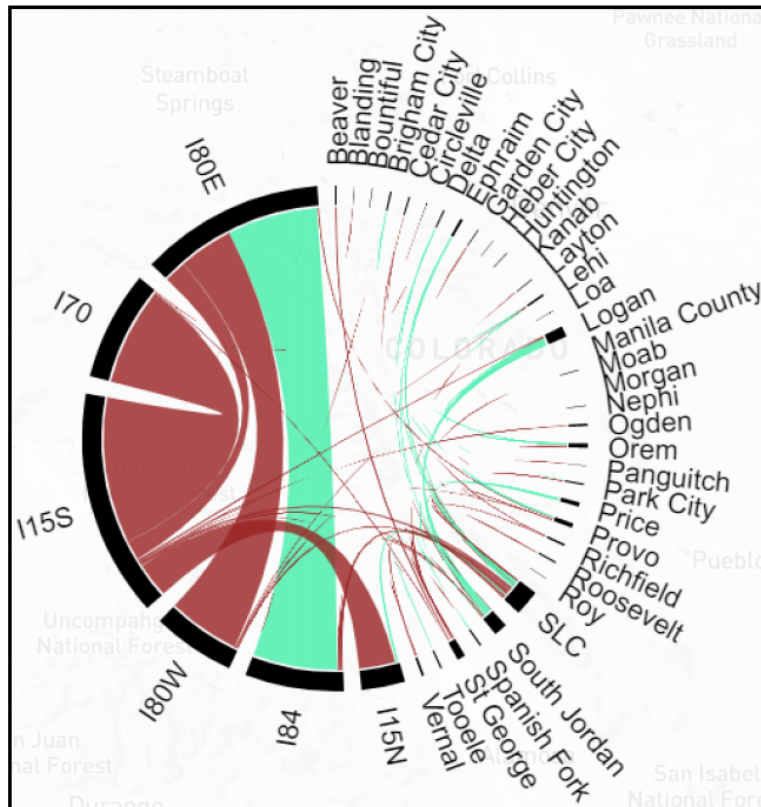
- Coordinate regional effort (REV-West) (state borders)
- User maintained via Google Sheets
- First Pass review
- Shows Gaps
- Pulls Data from NREL, but can be modified on the Google Sheet (See Echo).

- **Limitations:**

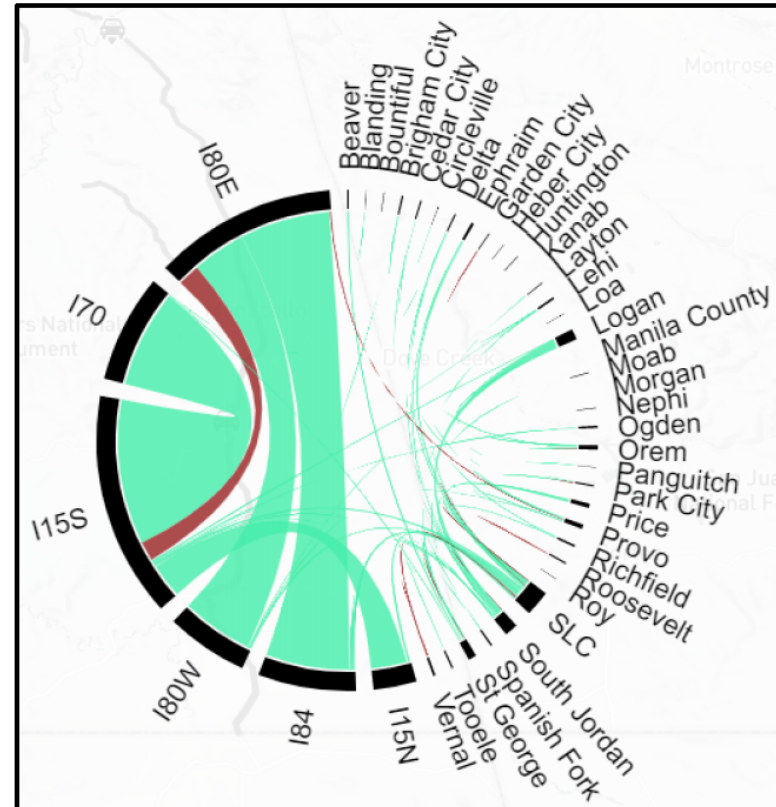
- Doesn't account for divided highways
- Doesn't currently measure along highway, only circular buffer.
- Doesn't include Level II, or Safety locations.
- Doesn't do any trip analysis that will include weather, gradient, speed, battery size, driving style, EPA range, etc.

West Smart EV Project (USU)

Entire network analysis: How many more trips are possible due to WSEV and UDOT station deployments?



Before: red not possible



After: red not possible

State Buildings Off
Active Transformers Off

REV-WEST / UDOT

- REV West Planning Workbook (Google Sheet)
 - [Link to Sheet](#)
- Rev West Planning Map (ARC-GIS)
 - [Link to UPLAN Map](#)
- USU EV Trip Planner

- Actual address: https://docs.google.com/spreadsheets/d/1j16xhWYkJBnB07q_HIRiaCNjVR7ziuzq_pMd992aAF4/edit?pli=1#gid=509303165
- Map: <http://uplan.maps.arcgis.com/home/webmap/viewer.html?webmap=ed0b145ad1e445a3916987523743df45>