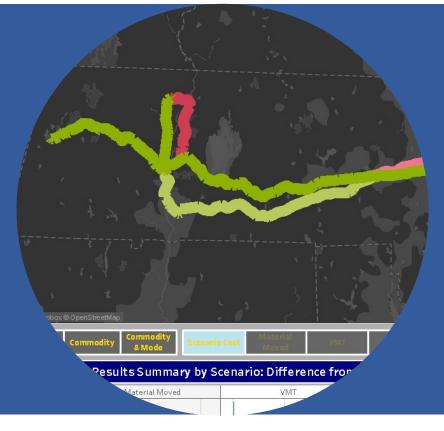
FTOT Link Removal Resiliency Testing Use Case

Question: How resilient is my solution to disruptions?



https://github.com/dflynn-volpe/FTOT-Public-Link Removal





Overview

Process

- Complete baseline run in FTOT
- Rank edges by 'importance'
- Disruptions applied by removing edges from optimal solution
- Re-calculate new optimal solution and calculate total scenario cost

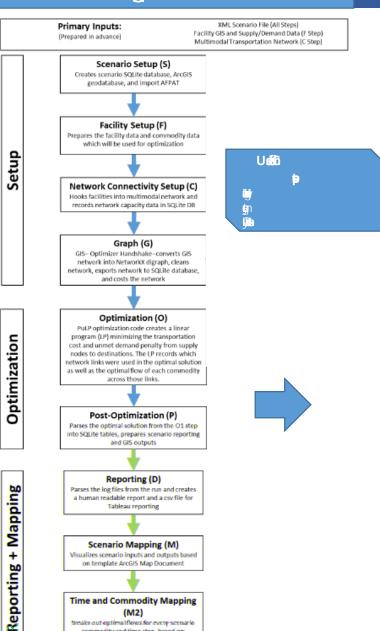


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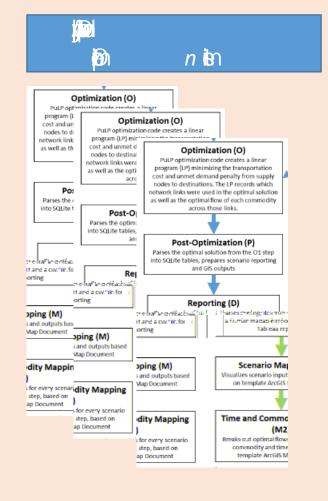




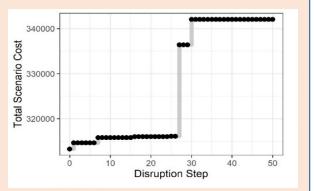










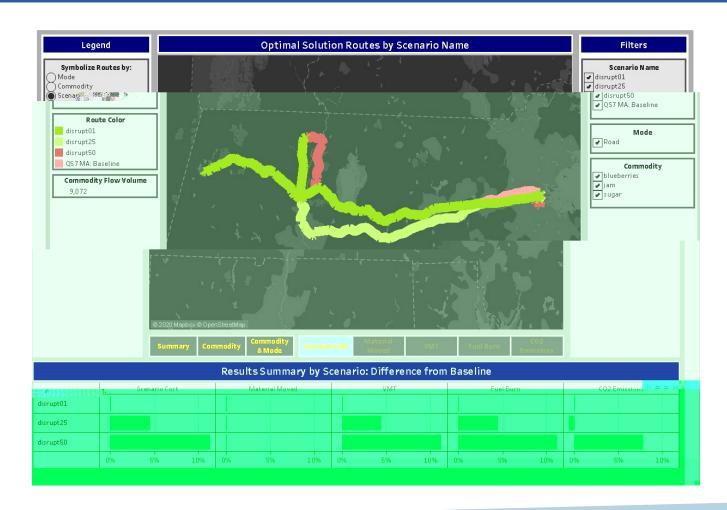


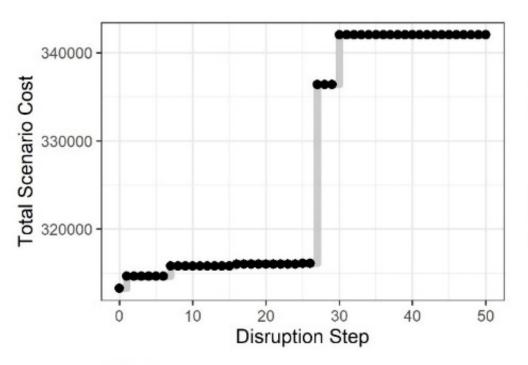


Breaks out optimal flows for every scenario

commodity and time step, based on template ArcGIS Map Document

Example outputs

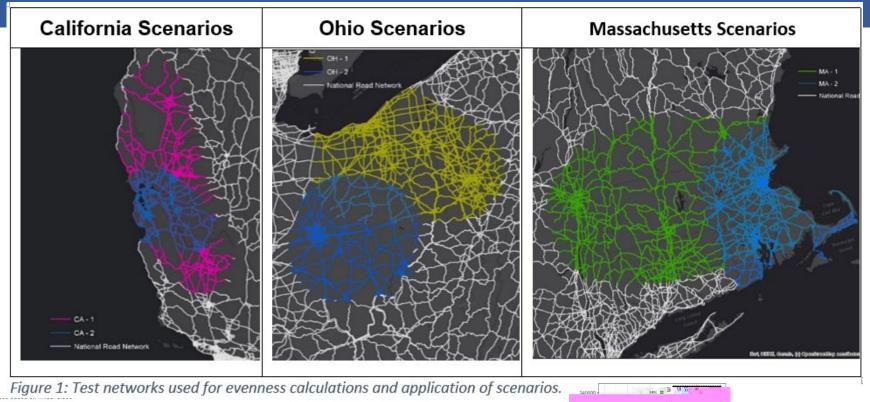


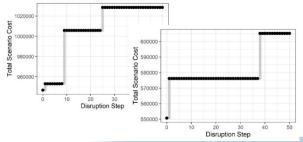


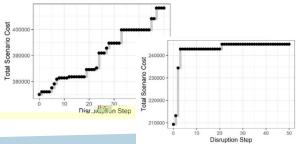


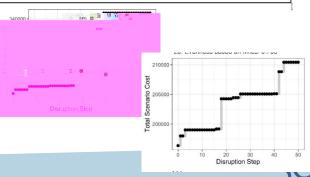


Development scenarios











• To FTOT-Public Wiki

