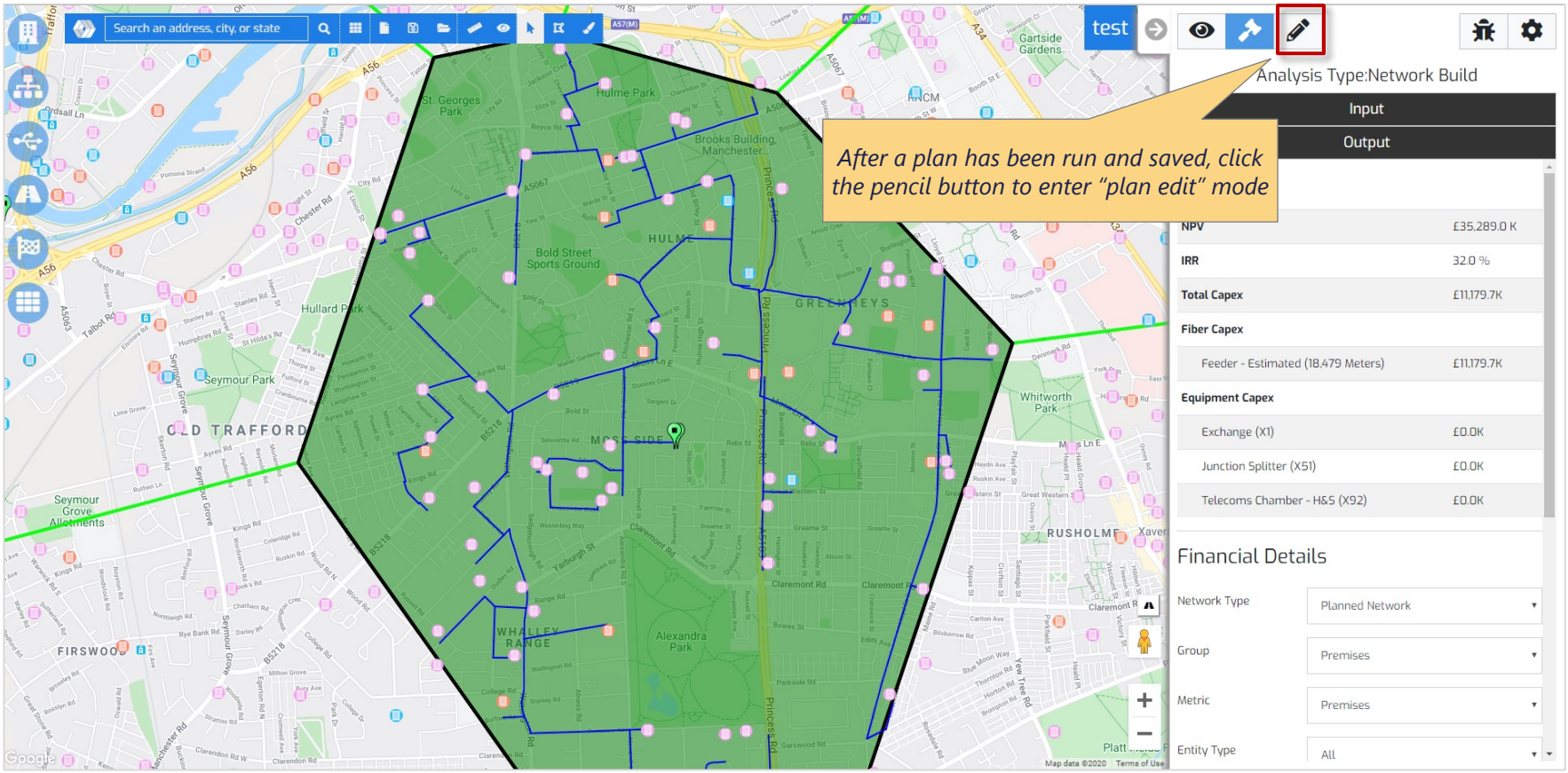
Arrow Platform

Plan Edit

ARROW
by altman solon

altman solon

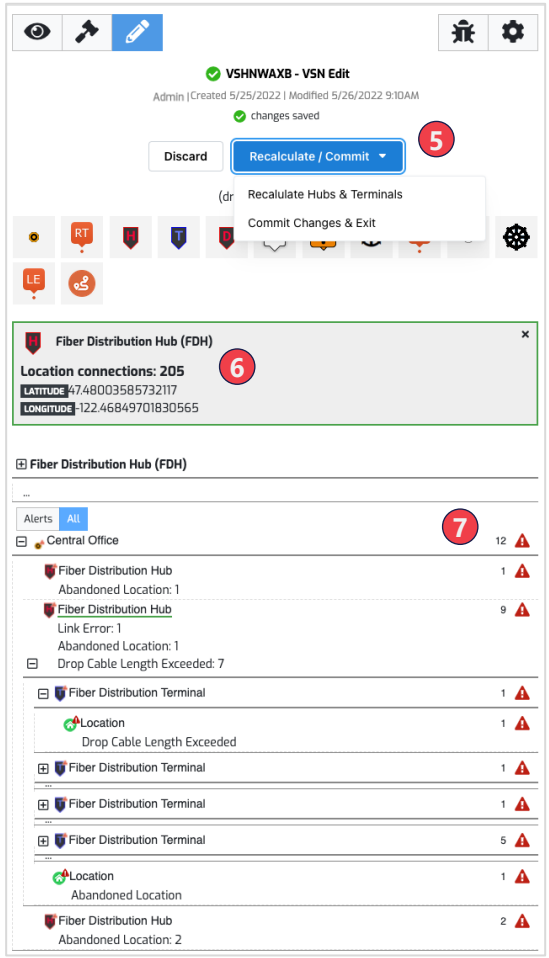
When a plan completes running, you can enter manual edit mode



Editing Functionality

- **Equipment** – you can edit equipment location, location to equipment assignment, add or delete equipment, adjust Fiber Distribution Hub and Remote Terminal coverage boundaries, and add notes to equipment
- **Routes** – you can adjust fiber routes by using Route Adjusters to avoid or prefer a specific path, you can add Anchors to ensure Feeder Fiber passes through a specific point and add notes on Feeder Fiber path segments. Note, feeder and distribution fiber routes are recalculated after adjusting equipment locations and boundaries and clicking Recalculate or Commit.
- **Plan Types** – you can edit Hub and Spoke plans (both Hub only split and Direct Routing) and Ring plans, in addition you can create an empty Hub and Spoke plan and manually add equipment to cover locations.

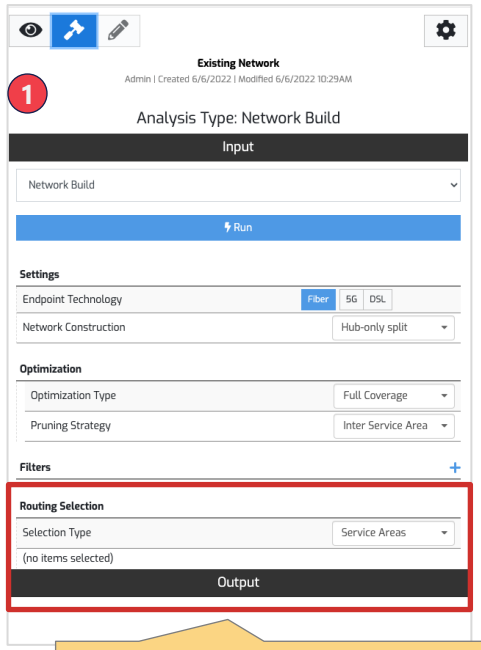
Editing is supported for Hub and Spoke plans run using Direct Routing and Hub Only Split Network Construction



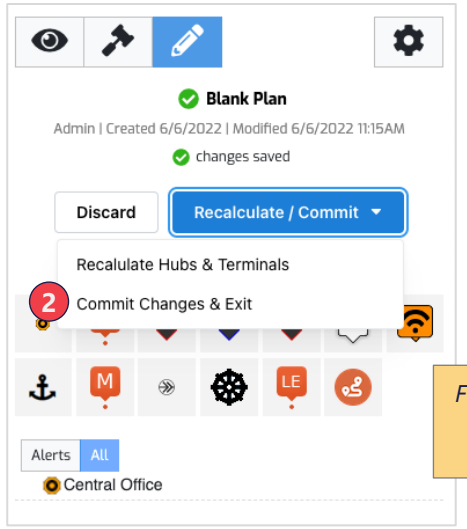
Hub and Spoke Edits

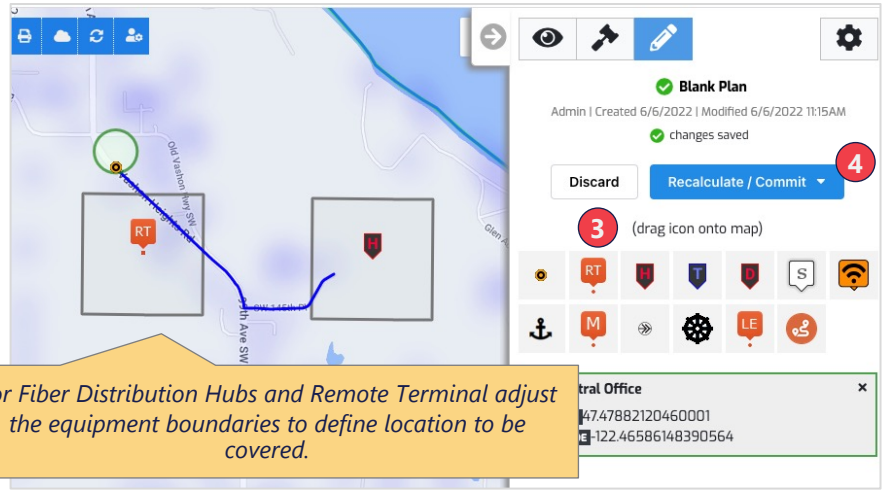
1. **Equipment Location** – move equipment to a new location by selecting it and dragging it (note, CO locations are not editable in edit mode)
2. **Location Assignment** – assign or unassign locations from Fiber Distribution Terminal or Bulk Distribution Terminals
3. **Fiber Distribution Hub Boundary** –adjust the boundary to exclude or include locations served. Note, Fiber Distribution Terminals and Distribution fiber will be re-optimizing after recalculating or committing boundary edits.
4. **Merge Bulk Distribution Terminals** –merge Bulk Distribution Terminals that are in proximity into one and all locations will connect to it
5. **Recalculate / Commit –** after making edits Recalculate Hubs & Terminals re-optimizes fiber routes based on equipment and boundary changes. Commit will recalculate, update the plan outputs including reports and exit edit mode.
6. **Location Connections** – you can view the number of locations served by a Fiber Distribution Hub or Terminal
7. **Alerts –** highlight abandoned locations and violations of network architecture rules (e.g., max locations served, drop cable length)

Creating and editing blank Hub and Spoke plans



Ensure that under Routing Selection the Selection Type is Service Areas and no items are selected



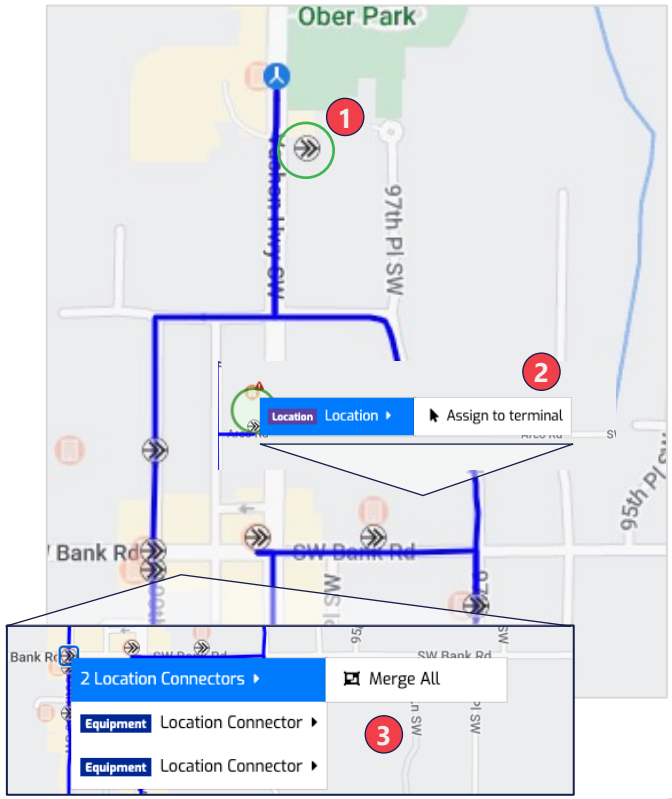


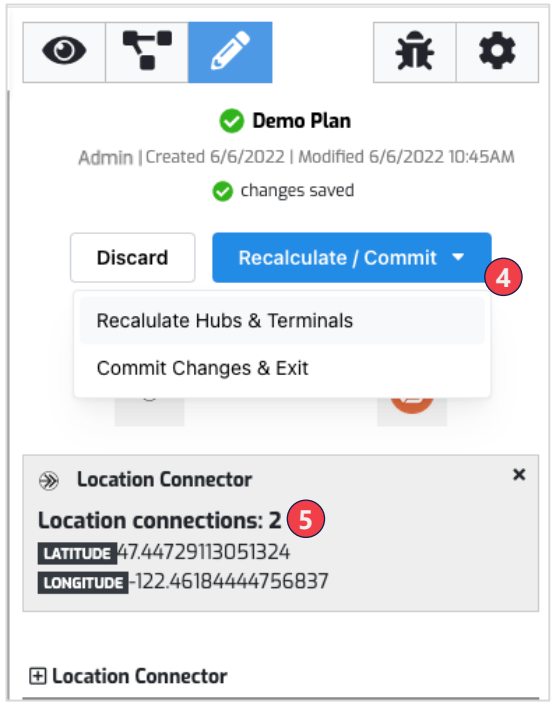
For Fiber Distribution Hubs and Remote Terminal adjust the equipment boundaries to define location to be covered.

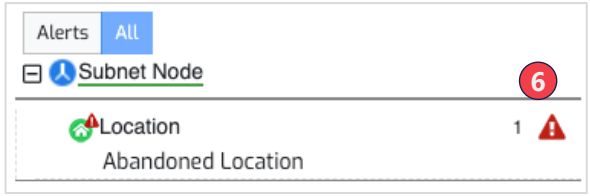
Steps for Editing Blank Hun and Spoke Plans

1. **Network Build Plan** – Run a Network Build plan selecting Location Types, Selection Type as Service Areas and **NO** Service Areas selected.
2. **Edit Plan** – In edit mode, place a Central Office on the map and select Commit Changes & Exit (this associates an underlying Service Area with the plan). Note, this step is not required if there is an existing CO in the Service Area you are planning for.
3. **Place Equipment** – Add Fiber Distribution Hubs, Remote Terminals or Bulk Distribution terminals by dragging and dropping them onto the map. You can define the locations covered by adjusting boundaries or associating locations with individual terminals.
4. **Recalculate /Commit** – after making edits Recalculate Hubs & Terminals optimizes fiber routes based on equipment locations and boundaries. Commit will recalculate, update the plan outputs including reports and exit edit mode.

Editing Ring Plans



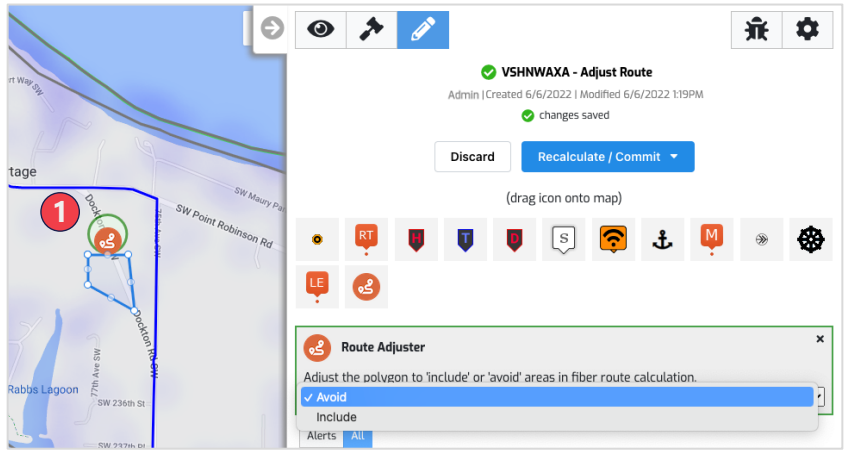




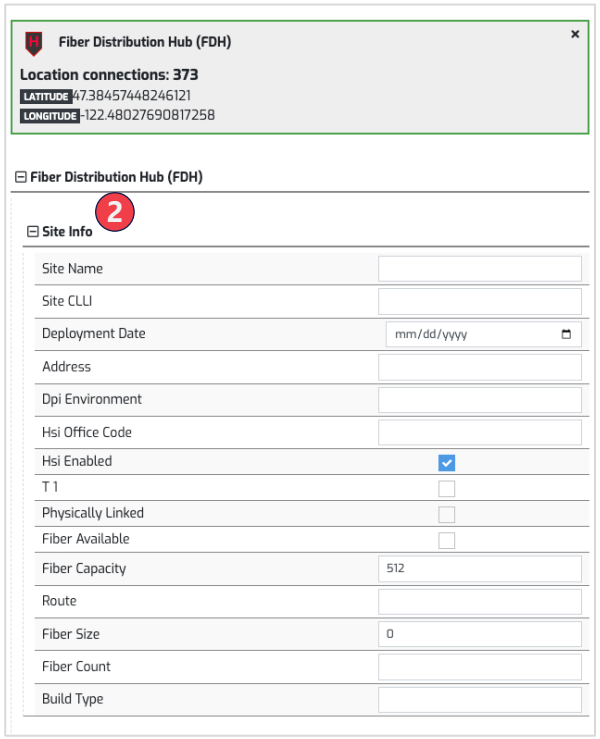
Ring Plan Edits

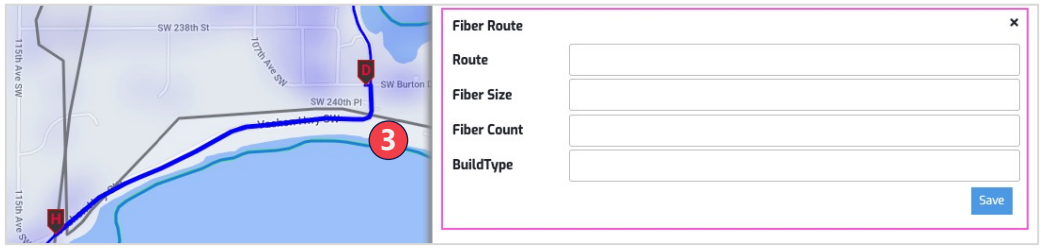
1. **Equipment Location** – move Location Connectors or Route Adjusters to a new location (note, Subnet Node locations are not editable in Edit mode)
2. **Location Assignment** – assign or unassign locations from Location Connector
3. **Merge Location Connectors**–merge Location Connectors that are in proximity into one and all locations will connect to it
4. **Recalculate / Commit –** after making edits Recalculate Hubs & Terminals will re-optimize fiber routes based on equipment and boundary changes. Commit will recalculate, update the plan outputs including reports and exit edit mode.
5. **Location Connections** – you can view the number of locations served by a Location Connector (aka Terminal)
6. **Alerts –** highlight abandoned locations and violations of network architecture rules (e.g., max locations served, drop cable length)

Adjust the fiber route and add additional detail on equipment and route segments



Avoid or Include apply a multiplier to the cost of underlying conduit making it financially more or less expensive





To avoid losing Feeder Fiber annotations, make edits only after equipment locations and FDH boundaries and Fiber routes have been finalized

Plan Edits

1. **Route Adjusters** – route adjusters enable you to change the fiber route by placing them over an area and selecting avoid or include. Clicking Recalculate Hubs & Terminal after placing a Route Adjuster reoptimizes the fiber route
2. **Equipment Annotation** – Add additional detail to equipment (e.g., Fiber Distribution Hub, Splice Points)
3. **Feeder Fiber Annotation** –Add additional detail to Feeder Fiber route segments. Note, when Arrow recalculates routes in Edit mode or by Modifying a plan the Feeder Fiber segments are reconstituted and all annotations are lost.

Tip:
Please contact Arrow team member to configure financial multipliers for Route Adjusters

Tip: Please contact Arrow team member to configure financial multipliers for Route Adjusters