Procedure for Connectivity Fixing in GridSight
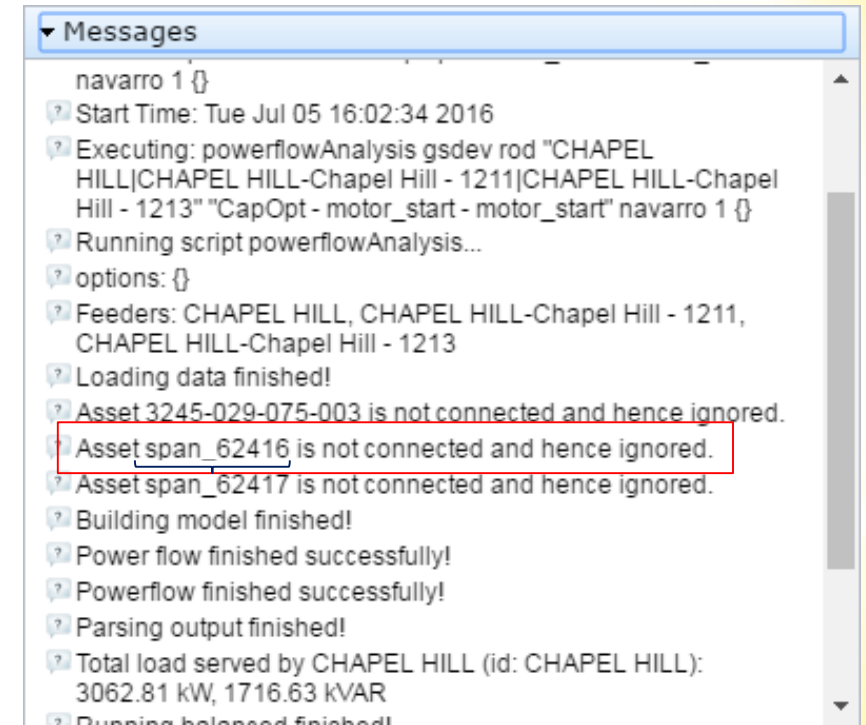
ELECTRIC POWER ENGINEERS

Fixing Connectivity issues

1. Clear the Messages window by clicking on the cross sign
2. Go to Tools>Power Flow Study
3. Choose the Substations and Bays from the list and choose the Load Profile and the Load Scaling
4. Click on Run Case Study to run the power flow

ELECTRIC POWER ENGINEERS
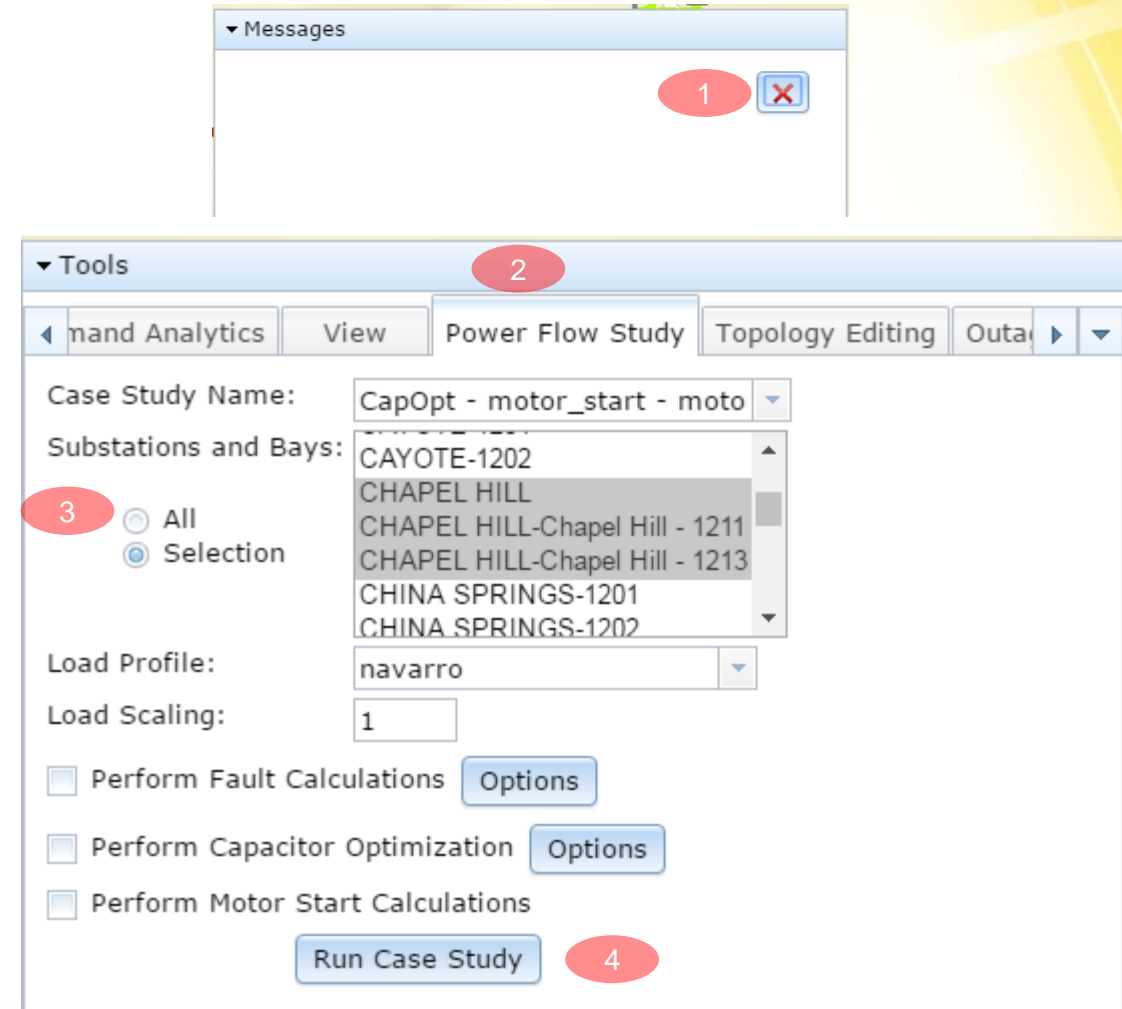
Fixing Connectivity issues-cont'd

5. Go to Messages dialog box and search through the generated messages for disconnected assets. Copy the ID of the disconnected asset.

▾ Messages

navarro 1 {}
Start Time: Tue Jul 05 16:02:34 2016
Executing: powerflowAnalysis gsdev rod "CHAPEL HILL|CHAPEL HILL-Chapel Hill - 1211|CHAPEL HILL-Chapel Hill - 1213" "CapOpt - motor_start - motor_start" navarro 1 {}
Running script powerflowAnalysis...
options: {}
Feeders: CHAPEL HILL, CHAPEL HILL-Chapel Hill - 1211, CHAPEL HILL-Chapel Hill - 1213
Loading data finished!
Asset 3245-029-075-003 is not connected and hence ignored.
Asset span_62416 is not connected and hence ignored.
Asset span_62417 is not connected and hence ignored.
Building model finished!
Power flow finished successfully!
Powerflow finished successfully!
Parsing output finished!
Total load served by CHAPEL HILL (id: CHAPEL HILL): 3062.81 kW, 1716.63 kVAR
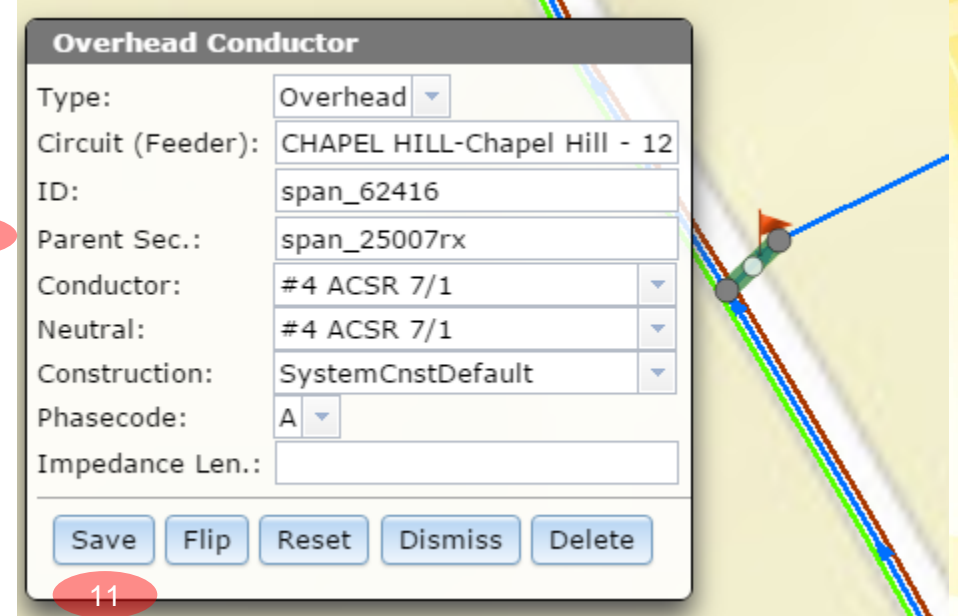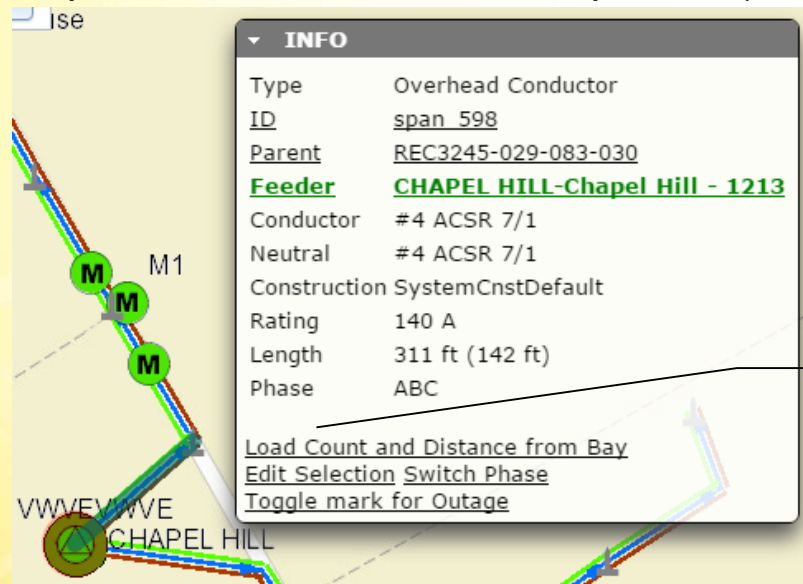Running balanced finished!

Fixing Connectivity issues-cont'd

6. Enter "id: " into the Search bar and paste the disconnected asset's ID. Press Enter.

7. Click on the Parent link in the info window until a faulty connection can be identified. (Determine what the parent of the line with the faulty connection should be.)

8. Copy the ID of the suggested parent.

9. Click on the line/device with the faulty connection and click Edit Selection in the Info window.

EPE ELECTRIC POWER ENGINEERS
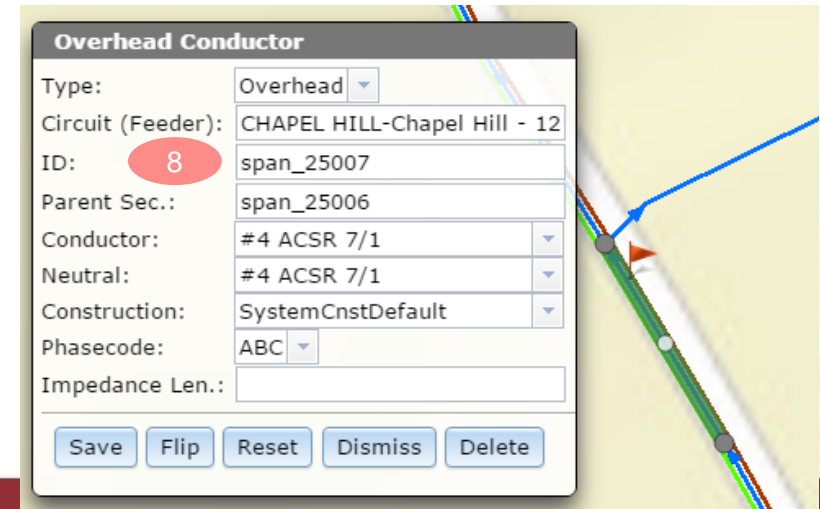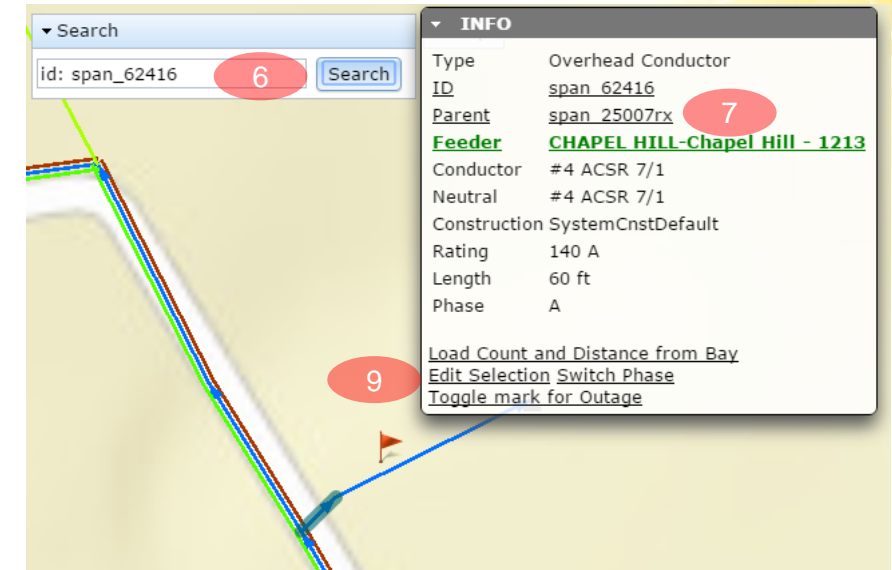
Fixing Connectivity issues-cont'd

10. Change the element's parent field to the new parent by pasting in the ID.

11. Hit Save. Connection has been fixed.

   ✓ Clear Messages once again.

   ✓ Repeat until no more issues reported. (From step 2)

Overhead Conductor

Type:	Overhead
Circuit (Feeder):	CHAPEL HILL-Chapel Hill - 12
ID:	span_62416
Parent Sec.:	span_25007rx
Conductor:	#4 ACSR 7/1
Neutral:	#4 ACSR 7/1
Construction:	SystemCnstDefault
Phasecode:	A
Impedance Len.:	

(10)
(11)

Save   Flip   Reset   Dismiss   Delete

INFO

Type	Overhead Conductor
ID	span_598
Parent	REC3245-029-083-030
Feeder	CHAPEL HILL-Chapel Hill - 1213
Conductor	#4 ACSR 7/1
Neutral	#4 ACSR 7/1
Construction	SystemCnstDefault
Rating	140 A
Length	311 ft (142 ft)
Phase	ABC

Load Count and Distance from Bay
Edit Selection Switch Phase
Toggle mark for Outage

M1

CHAPEL HILL

Use Load Count to visually inspect that all the Branches down a line section are in fact connected to that line section.