HECA Calibration Scenarios
Scenario
Network transformer being replaced into an 8 ft vault next to traffic. The traffic is blocked by machinery and work vehicles.

Observations:
• Vault is de-energized
• 1 am, temperature 30F
• Machinery & work vehicles can handle the energy of traffic coming in.
• Transformer is rigged properly and used within limits
• The crane is not moving at the time of observation.
• Equipment has no mechanical issues.
Photo 2

Scenario
Feeding a pipeline underground next to a residential road.

Observations
• Hole is 6 ft deep
• Locates are completed
• No flagger or blockers
• Excavator is moving as work is performed
• Pipe is not moving
• Employee is in the hole and has a gas monitor
• Excavation lacks other utilities (gas, electric, steam)
Scenario
Pole setting on de-energized lines in a high traffic industrial area.

Observations
- Lines are properly tested and grounded.
- Rigging properly installed and inspected by the foreman.
- Fall protection system inspected and worn properly.
- Tension in the lifting cable is not calculated.
- Equipment was stationary at the time of observation and has no mechanical issues.
- The bucket trucks were set up properly and stabilized.
Photo 4

Scenario
Welding at 23 feet.

Observations
• No one is working above or below (exclude form analysis).
• Gas welding
• The fall arrest is not properly tied off.
• The employee has proper gloves.
Photo 5

Scenario
A double circuit, live line pole set next to industrial road. The hole has been prepared for installation.

Observations
• Equipment has no mechanical issues and is maintained properly.
• The bucket trucks were set up properly and stabilized.
• There is no swinging control on the load (sling job rather than claw on digger)
• Proper fall protection is used.
• Cover on all conductors, live line insulation is sufficient.
• Proper PPE for electrical contact is used.
• The roadway is closed to traffic with hard barricades.
• Equipment was moving at the time of observation.
Photo 6

**Scenario**
Vessel being lifted.
Vessel is 77 tons and 48 ft. long.
Drop zone is marked and tag lines being used to control the lift.

**Observations**
- Crane is a tower crane.
- Operating work vehicle parked on site road.
- Caution signs state high radiation area risk. All workers wear dosimetry, no active radiation present during observation period.
- Equipment has no mechanical issues.