Task: Moving and unwinding large spools of heavy gauge cable weighing 2600 to 3700 lbs.

Exposure: Moving spools of cable manually exposes workers to forceful exertion and awkward postures.

Intervention: The crew places the spool using a fork lift, onto the pallet that has 4x4 chocks to secure it from rolling. They then use a pallet jack to move it to where they will be installing the cable. Using the pallet jack they raise the pallet to allow the placement of a pipe through the spool which is then placed into height adjustable jacks, allowing for easy unwinding of the cable.

Material: Pallet, jacks, pallet jack and lumber all available on-site.
**Second Generation Intervention Process:** A spool dolly was made out of unistrut with wheels at all four corners to allow for ease of movement. The spool is placed onto the dolly at the time of delivery using a fork lift. The dolly has another set of four wheels on the top side of the frame that are adjustable inward to accommodate the size/width of the spool. The spool will rest on these four wheels allowing it to unwind easily when a mechanical tugger is activated. This removes all *forceful exertion, repetitive motion* and manual material handling normally associated with this task. This piece of equipment also eliminates the need to use the heavy (over 50 pounds each) jack stands.

**Materials:** Several units were made by the electricians on site using unistrut and weight appropriate wheels. Cost estimate $400-$500 including labor hours to construct.