

Structure Lift Overview: AMPJACK®

At Dominion Energy, safety and affordability are our top priorities as we maintain a reliable electric grid. When we upgrade equipment or adjust operations, we sometimes need taller structures to maintain safe distances around power lines. To achieve this, we either replace or raise the original structures.



TRADITIONAL METHOD

Although sometimes the best option, replacing or raising structures requires heavy equipment and a large footprint. These methods must be performed while lines are deenergized and may be disruptive to neighbors.



AMPJACK® METHOD

Using innovative AMPJACK® technology, we can safely and efficiently perform necessary transmission structure lifts on some energized lines. This minimizes impacts to neighbors and the environment.

AMPJACK® *A Crane in a Box*



A small crew stages lightweight equipment at the structure base. This requires a smaller footprint than traditional methods and minimizes environmental impacts.



Qualified technicians install the self-contained, hydraulically driven "crane" in the structure. This slowly and safely lifts the structure, allowing permanent supports to be installed without interrupting power flow.



After the structure is raised, we can upgrade infrastructure to continue delivering safe and reliable electricity to communities.

THIS METHOD SUPPORTS:



Minimized impacts to neighbors and the environment



Safety, efficiency, and flexibility during construction, while power continues to flow



Improved electric safety and reliability



Expedited process which saves time and resources