765 kV Structures







Transmission structures play a vital role in the delivery of electricity. They support the components that are used to transport electricity. PowerOn Midwest is working with landowners and the community to power our region today and into the future.

Typical structure Width: 140-150 ft Height 150-175 ft Minimum ground clearance 60-80 ft Span 1,100-1,300 ft (~5 structures every mile) **Footprint size Foundation depth** 35 x 35 ft to 25-65 ft 50 x 50 ft **Right-of-way width:** 250 ft (125 ft each side from the centerline)







Why 765 kV technology

765 kV technology was identified in the planning process as the preferred solution for the region, presenting several advantages:



Efficiently carries power over long distances



Fewer transmission lines needed to carry the same amount of power



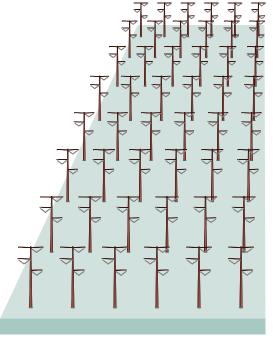
Fewer structures reduce impact on land, communities, and the environment



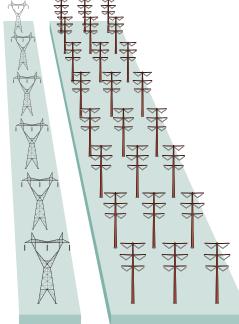
Resilient infrastructure that can consistently deliver power



Provides backup power pathways



345 kV SIX **SINGLE CIRCUIT TOWERS** (900 ft of total right-of-way)



765 kV ONE SINGLE CIRCUIT TOWER (250 ft of total

right-of-way)

THREE **DOUBLE CIRCUIT TOWERS** (450 ft of total right-of-way)

345 kV





& 877.869.2087