

MEYER

UTILITY STRUCTURES

We Still Test



North America's Most Experienced
Full-Scale Test Facility

Over 35 years testing experience

Hundreds of structural tests performed

Structure tests exceeding 190 feet
Test loading capabilities exceeding

70,000 foot-kips

State of the art calibration equipment

Capacity to test Monopole, H-Frame, Lattice,
Four-Legged and Customized Structures

Test supported by PLS-CADD and Decant Software

Why We Test

Testing is a fundamental and essential part of our design process. Consistent testing validates our proprietary Decant software designs and substantiates everything from arm connections to baseplates. Full-scale testing allows Meyer to leverage the strongest production techniques and innovative solutions, while further supporting our commitment to customers by providing design confidence, continuous improvement and future reliability.



Vertical Testing vs. Horizontal Testing

Full-scale vertical testing provides greater accuracy than mockup or horizontal testing. Vertical testing allows for the true effects of a structure's own weight, in its deflected position, to be realized when forces are added (P-Delta or secondary moment effects). In horizontal testing, gravitational forces are applied in unnatural positions on a structure, providing potentially distorted and inaccurate effects.

Full-scale vertical testing also allows full interaction for all components. Cables are configured exactly to their vertical positions at 100% load for truly real world simulations. One hundred percent loading is extremely difficult, if not impossible to achieve, for horizontal testing of guyed structures.



Governing Testing Specifications

Chapter 8.0 of ASCE 48
IEC 60652



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