



# Tough Truss<sup>®</sup> Upgrade

## Upgrade Wood Pole Capacity

Thousands of poles in service today, although adequate at the time of installation, can no longer safely carry the loads they are required to support. The addition of new distribution lines, telecommunications equipment, and broadband infrastructure has increased loads beyond the capabilities originally intended, compromising the structural resiliency, reliability, and safety of poles across North America.

The **Tough Truss<sup>®</sup> Upgrade** works in conjunction with sound wood poles to create a combined bending capacity greater than the original pole class rating. To ensure that the load is proportioned properly between pole and truss, the stiffness and strength of the Tough Truss Upgrade is considered with the stiffness and strength of the pole. The result is a hybrid steel and wood structure, representing the best characteristics of both materials; the flexibility of wood and the consistent strength of steel.

Extensive testing has verified the strength expectations of the Upgrade solution, and Mother Nature has been putting real world installations to the test for more than 20 years.

### Benefits of the Tough Truss Upgrade

- ✓ Upgrade pole capacity by 1, 2, 3, or more classes
- ✓ Save money – the cost is often 1/3 or less than the cost of replacement
- ✓ Avoid the extra effort, possible outages, and delays associated with coordinating change-outs
- ✓ Upgrade an entire line without service interruption



To contact your location Osmose professional, call **770.632.6700** or email [poleinfo@osmose.com](mailto:poleinfo@osmose.com).