



RESILIENT
STRUCTURES

REVOLUTIONARY APPROACH TO GRID HARDENING

Resilient Structures produces composite utility poles that protect the electric power grid from extreme weather events. As an industry pioneer, Resilient Structures specializes in the design and manufacture of innovative engineered composite structures that are resistant to climatic and environmental threats.

Resilient Structures' proprietary aliphatic polyurethane (APU) resin enables resilient and sustainable grid infrastructure with the highest overload capacity of any pole material and the longest service life. Our poles reduce outage duration by resisting damage from wildfires, hurricanes/tornados, wildlife and ice storms – all while increasing safety for workers and communities.



PROVEN UNDER REAL-WORLD CONDITIONS

Resilient Structures poles have been deployed by utilities across 30 countries with no pole failures due to wind, fire or ice, and our standard-size modules feature industry-best lead times.

ENVIRONMENTAL HAZARD SURVIVABILITY



WILDFIRES



HURRICANES



ICE STORMS



UV RESISTANCE



NATURAL PESTS



CORROSION

- No scheduled maintenance
 - Using APU embeds UV protection in the pole rather than a surface coating, resulting in a service life of 80 years.
- Self-washing for the life of the structure
 - Unlike other poles, our poles exclusively maintain hydrophobic qualities over the service life of the pole without maintenance. This quality ensures that any surface contamination washes away, eliminating surface tracking and allowing the pole to maintain its initial high dielectric strength.

We're ready to help

Resilient Structures has a team of technical experts who are ready to help you!



LOWEST TOTAL COST OF OWNERSHIP (TCO)

Resilient Structures' APU poles are a high-performance, premium-engineered solution with the lowest comparative total cost of ownership over its service life. Cost-saving benefits of these poles include:

- 80+ year expected performance life with an industry-leading limited warranty
 - Longer projected service life than any other composite pole available
- Highly durable and no failures due to extreme weather
- Resistant to decay and corrosion
- Highly competitive total installed cost (due to the light weight of poles)
- Significant O&M savings due to no scheduled maintenance requirements

SAFETY & OPERATIONAL EASE

- Non-conductive material reduces live line worker risk and improves public safety
- Inert, non-toxic material will not leach preservatives into the ground and makes drilling safer compared to treated wood poles
- Modular product line can ship in nested 15- to 30-foot lengths, dramatically reducing required storage and improving transportability and installation sequencing
- Fully assembled and pre-drilled delivery options minimize installation time
- Superior performance-to-weight ratio eliminates the use of expensive, heavy installation equipment