

GREAT SALT LAKE DURATEL POLE INSTALLATION: COMPOSITE POLES IN A CORROSIVE ENVIRONMENT

The Project: Great Salt Lake Minerals needed to install 27 distribution poles along the north shore of the Great Salt Lake near Ogden, Utah to provide a more reliable electricity infrastructure. The fiber-reinforced composite poles were 45' in length and needed to be placed in a high wind corridor around and in corrosive salt water.

The Challenge: Supply a solution to place 27 utility poles in a harsh environment where wood poles had been known to fail or had to be frequently replaced. High winds and 170' spans on 138kv lines required a product that was durable yet strong with minimal need for maintenance. The extreme temperature fluctuations of the desert were also a concern for project engineers due to expansion and contraction of traditional wood pole hardware.

The Solution: The engineers for this project decided to specify Duratel composite distribution poles. The unique requirements demanded a product that could stand up to the elements, was easy to transport and install and would require the least amount of maintenance. These poles met all the structural and loading requirements as existing wood poles, with the added benefit of weighing two-thirds less.



Duratel, LLC is a leading innovator in the manufacture of pultruded, fiber reinforced composite utility poles for use by electric utilities, renewable energy companies, marine contractors, and green builders. For more information about our company, visit: duratelgreen.com.