

Wind Turbine Services

Tower Cleaning

Objective

To develop a safe, efficient, and environmentally responsible cleaning method capable of removing heavy grease and oil from wind turbine towers without causing wastewater discharge to the ground, while maintaining productivity despite extreme site conditions.

Our Solution

- Tested various pressure-washing setups and cleaning methods to identify the most effective approach.
- Developed a practical manual cleaning method using degreasers, brushes, and rags.
- Achieved thorough tower cleaning within 1–2 days per tower, depending on grease buildup, without requiring wastewater disposal or compromising environmental compliance.

At a Glance

Challenges

- Extreme temperatures at the site, often exceeding 100°F, limited working hours and risked crew fatigue. Aurora implemented adaptive strategies including additional breaks, rotational crews, and night shifts to maintain productivity while protecting personnel health and safety.

Value to client

The project provided the client with a cost-effective and reliable solution for removing heavy grease and oil buildup from wind turbine towers, significantly improving the overall appearance and condition of the site. The cleaning method developed by Aurora avoided wastewater discharge, ensuring compliance with environmental requirements, while completing each tower efficiently within 1–2 days. By implementing adaptive work strategies to mitigate the effects of extreme heat, the project maintained high productivity without compromising safety, leaving the client with a repeatable, practical solution that enhances operational standards and site aesthetics.



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