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Renewable Energy Systems Making Green Steps

A modern wind tower is 260 feet tall with a rotor diameter of 305 feet.

Renewable Energy Systems (RES Americas) builds them with attention down to the smallest details - like the first step of the stairway at the tower's base for which they chose a long-lasting polymer-coated treated wood product made by a company in Houston, TX.



"They loved the idea of a product they would not have to replace again," said Jay Hilton of Building Products Plus "and these steps are big - made of 12 inch x 12 inch pine timbers - so they are really saving some trees down the road. It's a real long-term point-of-view."

The first step of a tower's stairs is in constant contact with the ground. Metal rusts, regular wood decays, and most plastics greatly weaken with exposure to the sun's UV rays. The steps RES chose will stay solid and strong for decades because they are made of treated southern yellow pine coated with a durable, UV-resistant, "ultra-long-lasting" poly membrane.

RES used one of the coated 12x12 timber steps for each of the 118 towers they recently built on a wind farm in south Texas and say they plan on using more in the future. Renewable Energy Systems develops, constructs, and owns wind farms across Europe and the United States.

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Renewable Energy Systems

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