

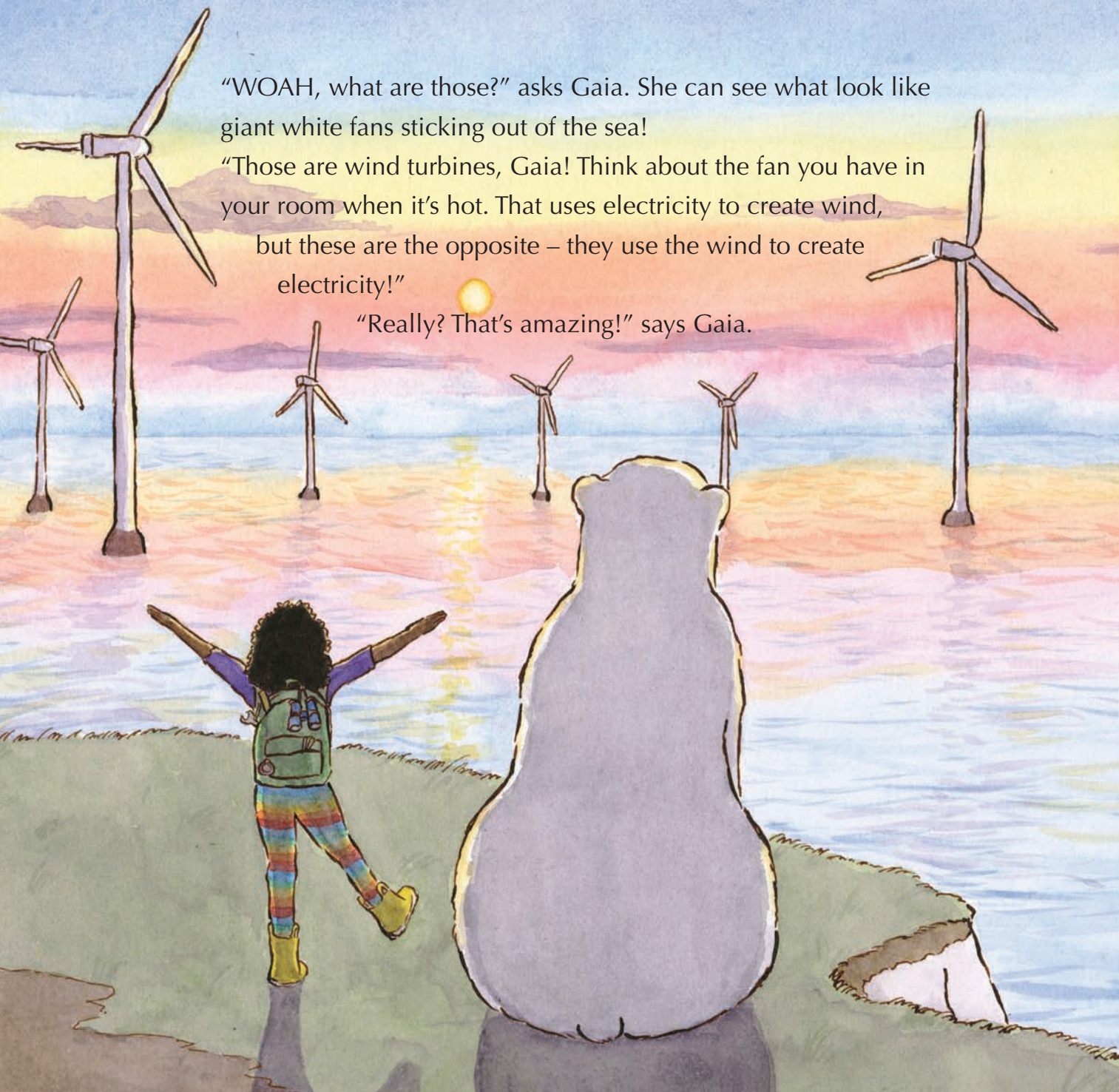


Gaia loves polar bears. They're her favourite animal!
One night, Gaia, her brother Zeph and her special toy, Ursa,
are watching a programme on TV all about polar bears.

“WOAH, what are those?” asks Gaia. She can see what look like giant white fans sticking out of the sea!

“Those are wind turbines, Gaia! Think about the fan you have in your room when it’s hot. That uses electricity to create wind, but these are the opposite – they use the wind to create electricity!”

“Really? That’s amazing!” says Gaia.





Propeller
Blade

gearbox
and generator

Weighted

base blocks

cable to
shore

sea floor

tidal current

"You're right, Gaia! These are tidal turbines.

As the tide comes in and out, it creates currents
and they turn the turbine, making electricity from
offshore renewable energy," Ursa explains.

When Gaia gets to the playground she rushes to tell her friends all about her offshore renewable energy adventure.



In the line, she gets all her drawings ready for show and tell. She can't wait to share all she's found out about energy that never runs out and how they can all make a difference, together.



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The Hub is led by the University of Plymouth, and includes Co-Directors from the Universities of Aberdeen, Edinburgh, Exeter, Hull, Manchester, Oxford, Southampton, Strathclyde, and Warwick.

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