

Key Facts and Figures on Wave Power

Heading	Fact/Figure	Comment
Theoretical potential for ocean energy in Europe	2,000 – 2,500 TWh	Including all technologies; wave, salinity and tidal power 2,000 – 2,500 TWh is enough to supply 300-400 million people with electricity
Realistic potential for wave power in Europe	Around 10 % of above	200 - 250 TWh (10 %) is more than the electricity generation in Sweden today (135 TWh), and still enough for many million people
Vattenfall's visions	<u>Year 2012:</u> 50 MW wave power installed capacity <u>Year 2018:</u> 500 MW wave power installed capacity <u>Year 2030:</u> 30 TWh annual electricity generation from wave power <u>Year 2030:</u> 5 to 10 % of Vattenfall's electricity mix from wave power	
Commercial wave power	Vattenfall believes that wave power will become commercial in 10-15 years	
Number of buoys in Runde and their Power	2 buoys á 20 kW	
Power output from the two buoys in Runde	Enough to supply approximately 20-24 households with electricity	
Diameter	The discus buoy: 4 meters The torso buoy: 6 meters	
Weight	Approximately 3 tonnes each	