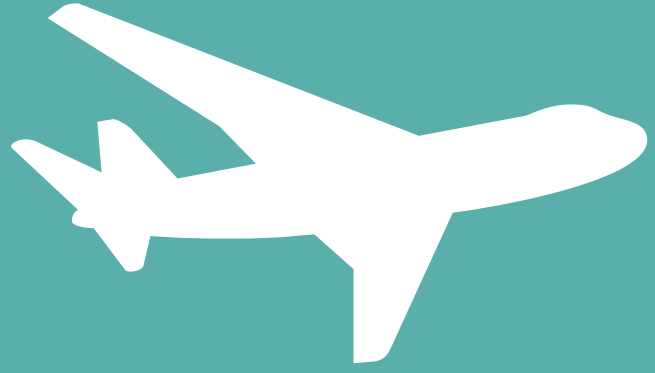


ReFuelEU AVIATION

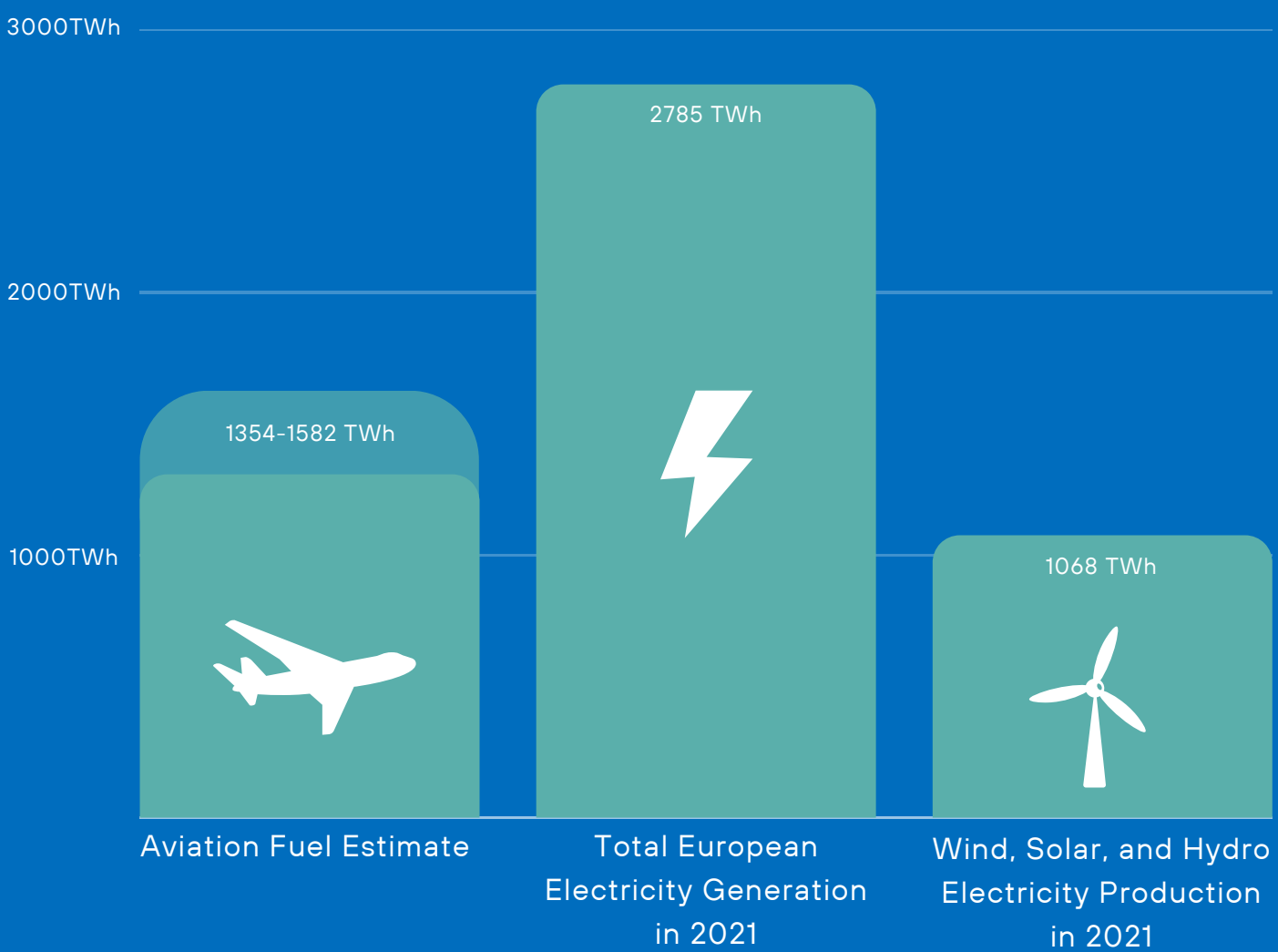
In 2018, EU aviation fuel consumption was 62.8 million tonnes.



Replacing 70% of that means producing **44 million tonnes** of synthetic jet fuel.

1 tonne of synthetic jet fuel will require between **30.8-36 MWh** of electricity to produce.

GIVEN THESE ASSUMPTIONS, REPLACING 70% OF AVIATION FUELS WITH SYNTHETIC FUELS WILL REQUIRE BETWEEN 1.354 & 1.582 TWH OF RENEWABLE ELECTRICITY



Considering Europe's renewable electricity generation, a massive amount of renewable electricity is needed to replace 70% of aviation fuels.

1.5X

We would need to add **~1.5 times** more renewables to the system to produce jet fuels only.