

# The Hawai'i Wave Surge Energy Converter (HAWSEC)

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## Why Renewable Energy?

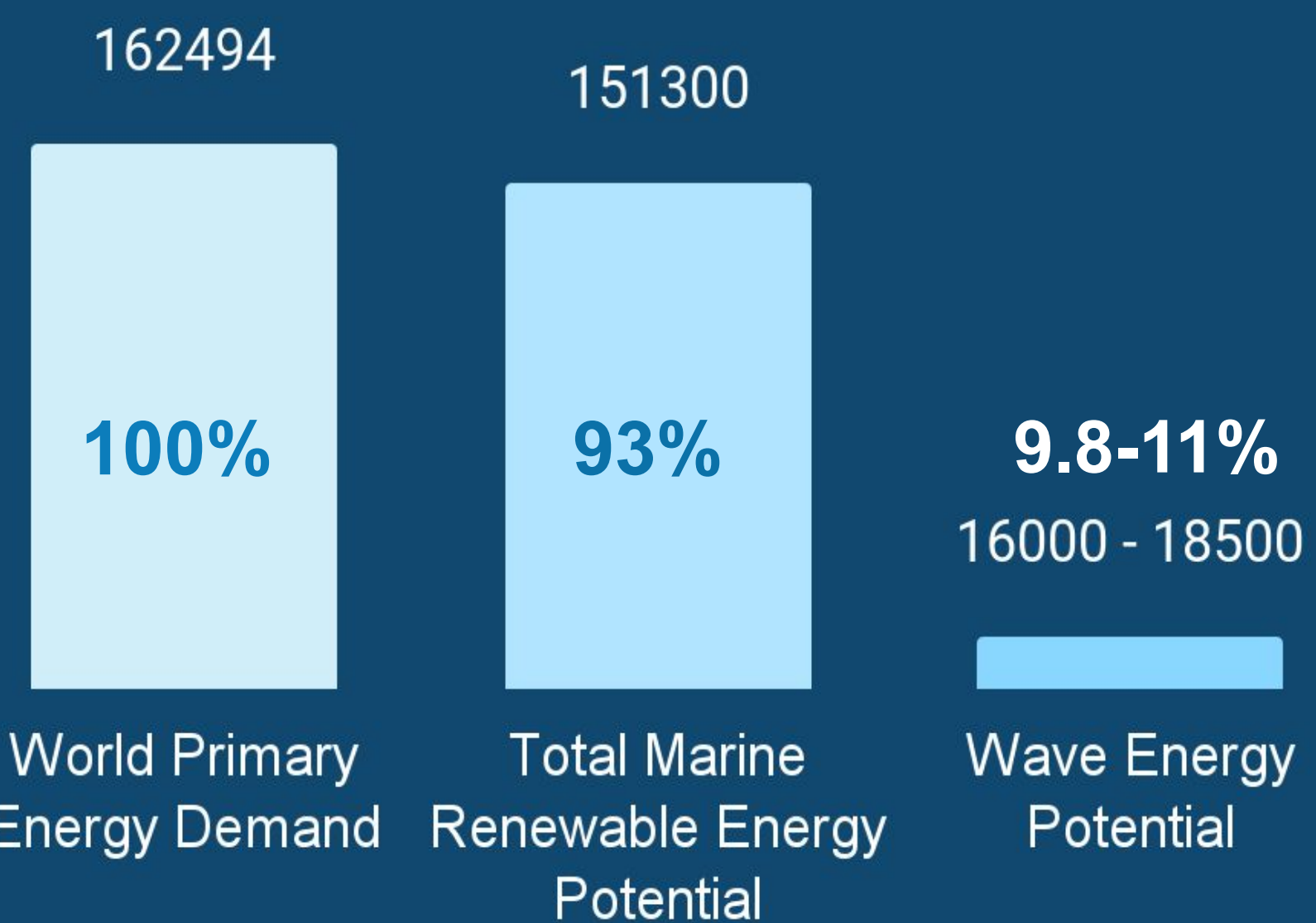
Fossil Fuels produce **56.6%** of greenhouse gas emissions which are rapidly worsening climate change

Renewable energy sources only account for **25%** of electricity generated globally

Why Wave Energy?  
It is a **cost effective** renewable energy source for **coastal communities**

<http://go.hawaii.edu/xVc>  
<http://go.hawaii.edu/dVx>  
<http://go.hawaii.edu/xV6>  
<http://go.hawaii.edu/9Vx>  
<http://go.hawaii.edu/xVq>

Terawatt hours per year



How HAWSEC works  
Wave **surge** causes **hydraulic cylinders** to pump water to turn a **hydro turbine** to produce **electricity**.

HAWSEC System

