

Dear Ofgem

17/6/20

My name is Shetland
Composites, we have been involved in the renewable industry for over 20
years mainly in the marine side of things. We are the company who have built
all the tidal blades for the Edinburgh based company Nova.

It is amazing to see the difference that renewable energy is now making to
the UK energy needs in such a short time. The constraints are now being seen
with the reliability of renewable energy, due to wind turbines being built in
certain areas. Luckily for the UK there are still untapped areas with huge
renewable energy potential, so you can imagine my dismay when there is
still a debate on the proposed Shetland cable size. The 600MWH cable is a
huge improvement on the original 450 proposed one, but why stop at a 600
MWH cable when there is already the demand for a 800 MWH cable, I gather
the extra cost between a 600 mwh cable and a 800 mwh is only 6%.

The government climate targets are very ambitious and so they should be.
Shetlands remoteness away from the rest of the UK mainland means that it is
usually in a different weather system, so when the wind is blowing here it
might not be blowing elsewhere, I was going to mention that this also works in
reverse, but with our world beating on shore wind resource of over 50% wind
load on our current large wind turbines, should be proof enough you build
wind turbines where the wind blows. The real debate should be how big a
cable is technically possible to build from the UK main land to Shetland, not
only for onshore wind but floating off shore , tidal and in the future wave
power.

I know there has to be a consultation, on such a large project but please
think about the future in terms of climate change and future energy
requirements. If at all possible, please consider a 800 MWH cable now.

Yours Sincerely

SHETLAND
COMPOSITES