

# Developing Community Benefits With Local Communities

## Lessons learned



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VATTENFALL

# Norfolk Offshore Wind Zone

## Norfolk Vanguard & Norfolk Boreas Offshore Wind Farms

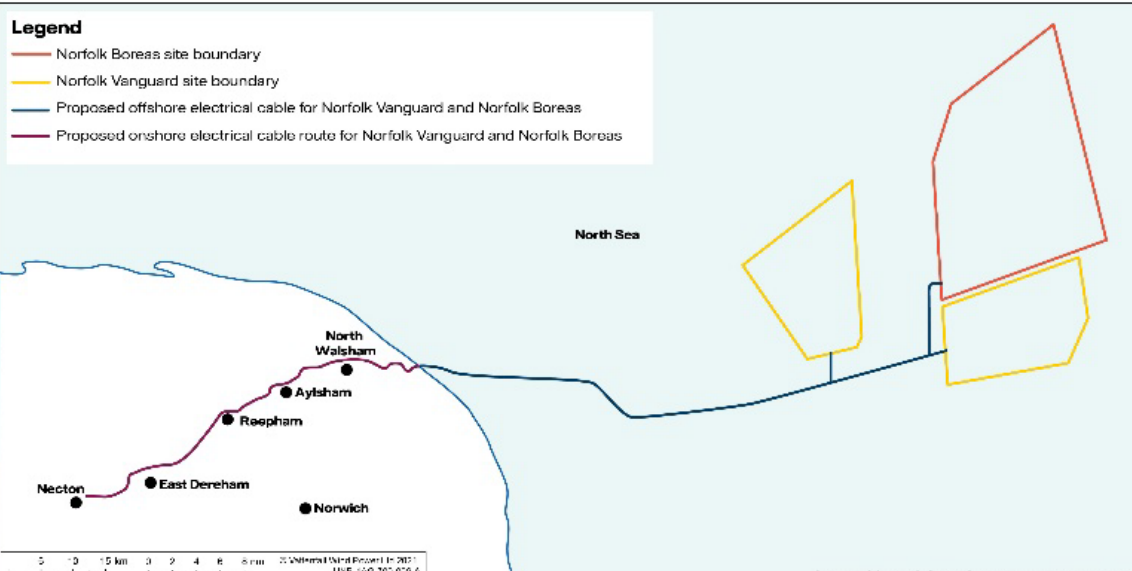


### KEY ACHIEVEMENTS

- 2 x DCOs secured
- Norfolk Boreas' CfD secured
- NIPA Award 2022

### OUR WINNING FORMULA

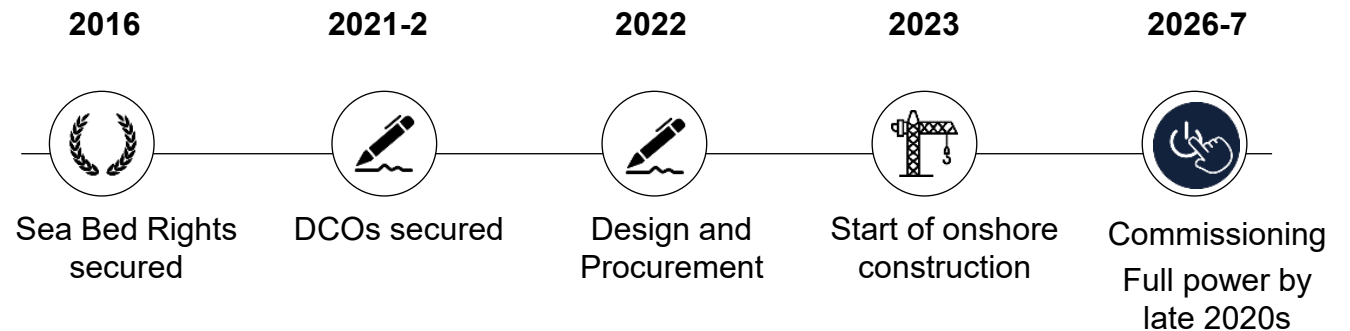
- Integrated engineering, consenting & engagement to deliver enhanced design
- Innovation – common export cable route, co-located HVDC technology, reducing environmental impacts overall;
- Willingness to tackle big challenges- for OW, including ornithology and seabed
- Flexibility. Resilience. Working effectively with stakeholders and communities!



### KEY DATA

Power	<b>4.6 M UK homes</b> [equivalent]
Distance from shore	47km
Water depth	35 – 45 m
Grid connection	Existing National Grid substation near Necton
Transmission	Coordinated HVDC system, underground 60km onshore. Single installation phase

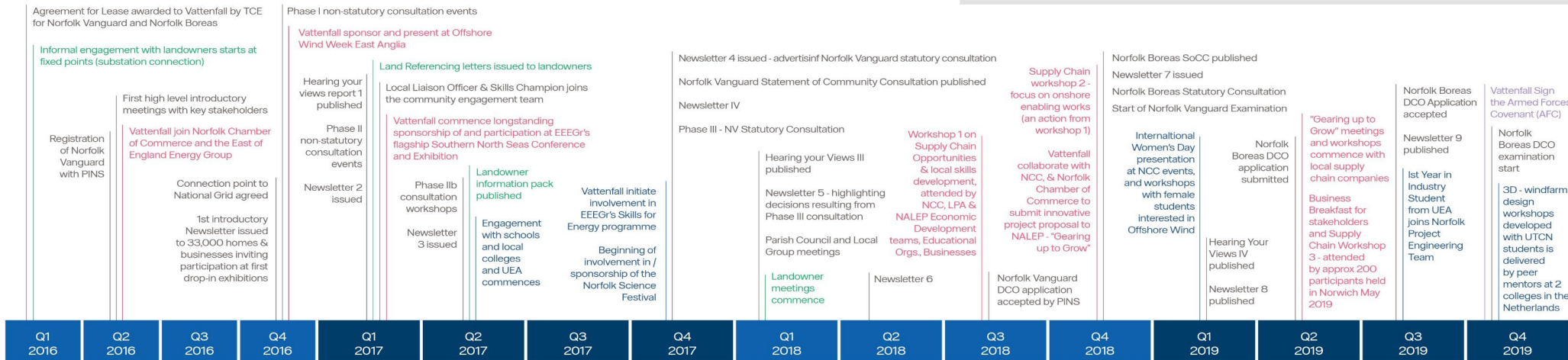
### TIMELINE



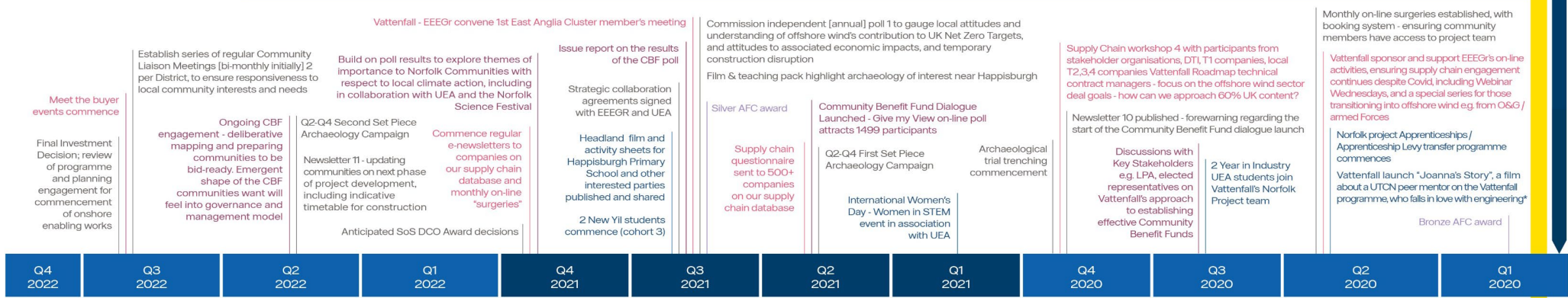
# Community and Stakeholder Engagement

Informing communities about the Norfolk projects and progress; involving people in shaping the best possible projects; supporting access to opportunities created by the projects and responding to local interests and needs; empowering people to take local climate action

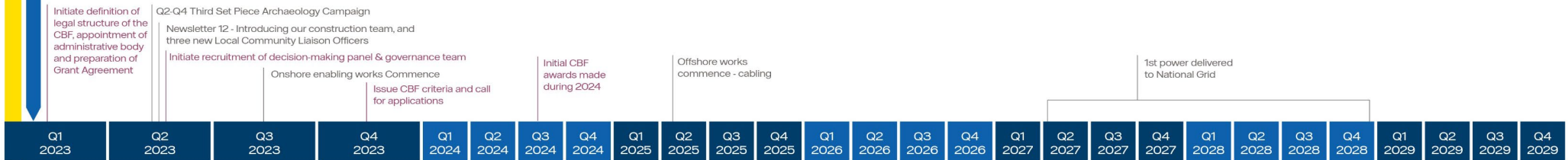
- Actions and engagement feeding into shaping project design and methodologies (including associated with the EIA process)
- Education, training and skills activities
- Landowner Engagement
- Engagement leading to the development of Vattenfall's Norfolk Projects' Community Benefit Fund
- Engagement with the local and UK supply chain, and business stakeholders
- Armed Forces Covenant (AFC) Milestones



## Ongoing community engagement through multiple owned, paid, earned channels



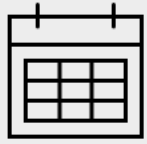
## Ongoing community engagement through multiple owned, paid, earned channels



## Ongoing community engagement through multiple owned, paid, earned channels

A more complete account of pre-application community and stakeholder engagement is documented in both the Norfolk Vanguard and Norfolk Boreas Consultation Reports e.g. <https://infrastructure.planninginspectorate.gov.uk/wp-content/ipc/uploads/projects/EN10087/EN10087-000200-51%20Consultation%20Report.pdf>  
 \* ref Joanna's Story: <https://eeegr4coffshore.com/norfolk-star-of-swedish-energy-group-film-inspires-future-generation-into-offshore-wind-nid17493.html> Video: <https://www.youtube.com/watch?v=aMSBh4Q4hKU>

## A flavour of the engagement which helped shape the Norfolk Zone proposals



**38** community consultation events & workshops



**2850+** participants



**1300** items of written feedback



**250+** meetings with Parish Councils, local groups & representatives attended by our team



**9** community newsletters direct to > 215,000 homes & businesses; statutory & non-statutory notices; social media - alerting people to consultations



**19** expert topic groups with national and local stakeholders, providing critical appraisal & guidance



**120+** specialists who contributed to the data encompassed within the DCO



**100%** we are liaising with all landowners along the cable route



**20+** meetings & events to engage local supply chain, with an estimated 580 suppliers



**80+** separate educational engagement activities for young people, to enhance their understanding of the offshore wind sector & careers in the industry

The numbers apply to the period from October 2016-May 2019, ahead of finalising our Norfolk Boreas Development Consent Order application.

# Onshore

Background details about the onshore cable route, technology selected, basic technical decisions and some of the mitigation we embedded into the project design through the process of consultation.

The onshore cable route is 60km in length

Landfall will be at Happisburgh

The substation will be located in Necton

Commitment to HVDC cable technology offers energy-efficiency, environmental benefits, including eliminating the need for relay stations near the coast, reducing the width of the cable corridor and reducing the duration of construction.

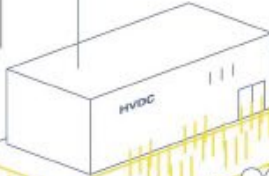
We will minimise disruption on the road network by agreeing Traffic Management Plans with relevant stakeholders and ensuring our construction vehicles use the running tracks along the cable corridor as much as possible.

Use of long HDD underground will minimise disruption. There will be no works on the beach.

To offshore wind farm site (approx. 73km)

Acoustic enclosures around the transmission infrastructure will ensure noise limits are not exceeded.

Grid Connection



Landfall

Underground / subsea cable route

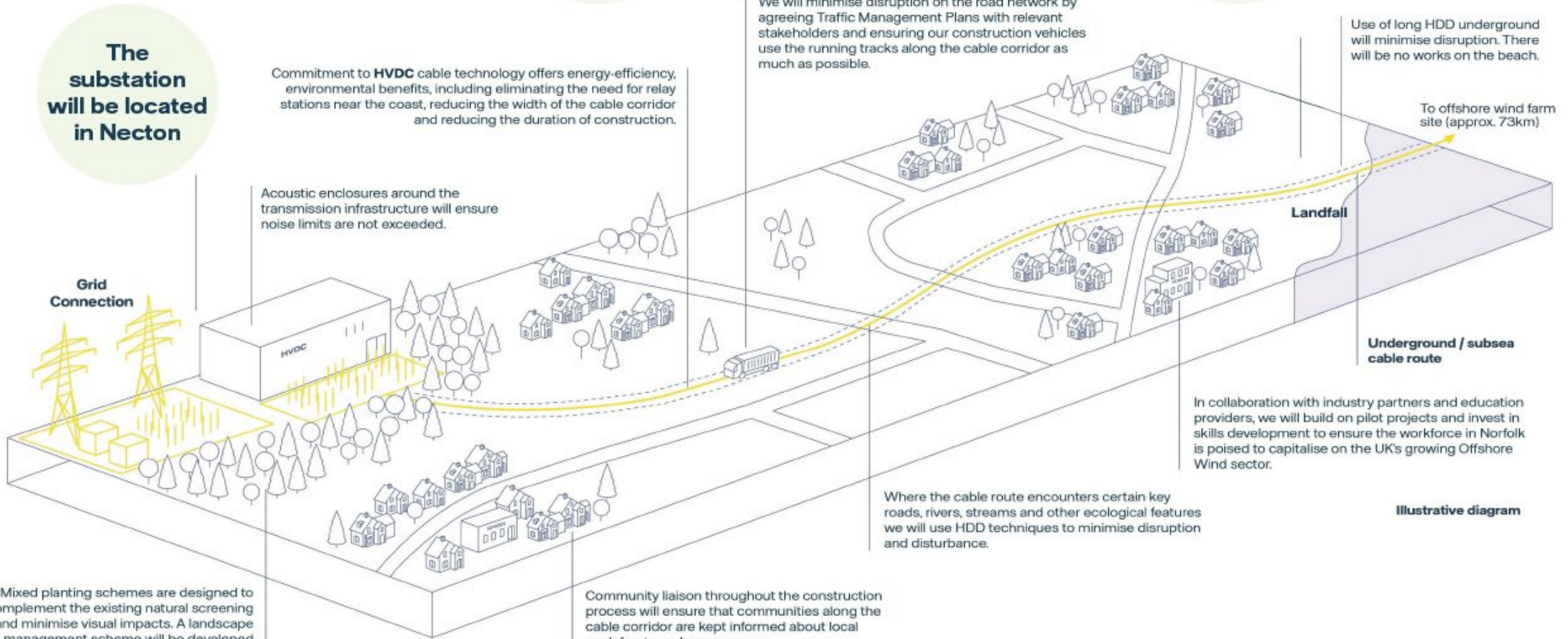
In collaboration with industry partners and education providers, we will build on pilot projects and invest in skills development to ensure the workforce in Norfolk is poised to capitalise on the UK's growing Offshore Wind sector.

Where the cable route encounters certain key roads, rivers, streams and other ecological features we will use HDD techniques to minimise disruption and disturbance.

Illustrative diagram

Mixed planting schemes are designed to complement the existing natural screening and minimise visual impacts. A landscape management scheme will be developed with the relevant authorities detailing the planting scheme.

Community liaison throughout the construction process will ensure that communities along the cable corridor are kept informed about local work-fronts and programmes.



# Boreas Examination Headlines




<b>Deadlines</b> <b>18 + 2</b>	Rule 8 Letters (timetable changes) <b>5</b>	Hearings <b>14</b>
Written Requests <b>48</b>	Written Questions <b>759</b>	Companies that form the Applicant <b>19</b>
Requests for Further Information <b>5</b>	Rounds of Written Questions <b>5</b>	Interested Parties <b>120</b>
<b>Submissions Made</b> <b>583 (528)</b>	IP Submissions <b>425</b>	

# UK Vattenfall Skills & Talent Framework

## 6 Gateways into Climate Smarter Careers



Gateway 1



74

Gateway 2



19

Gateway 3



29

Gateway 4



25

Gateway 5



11

Gateway 6

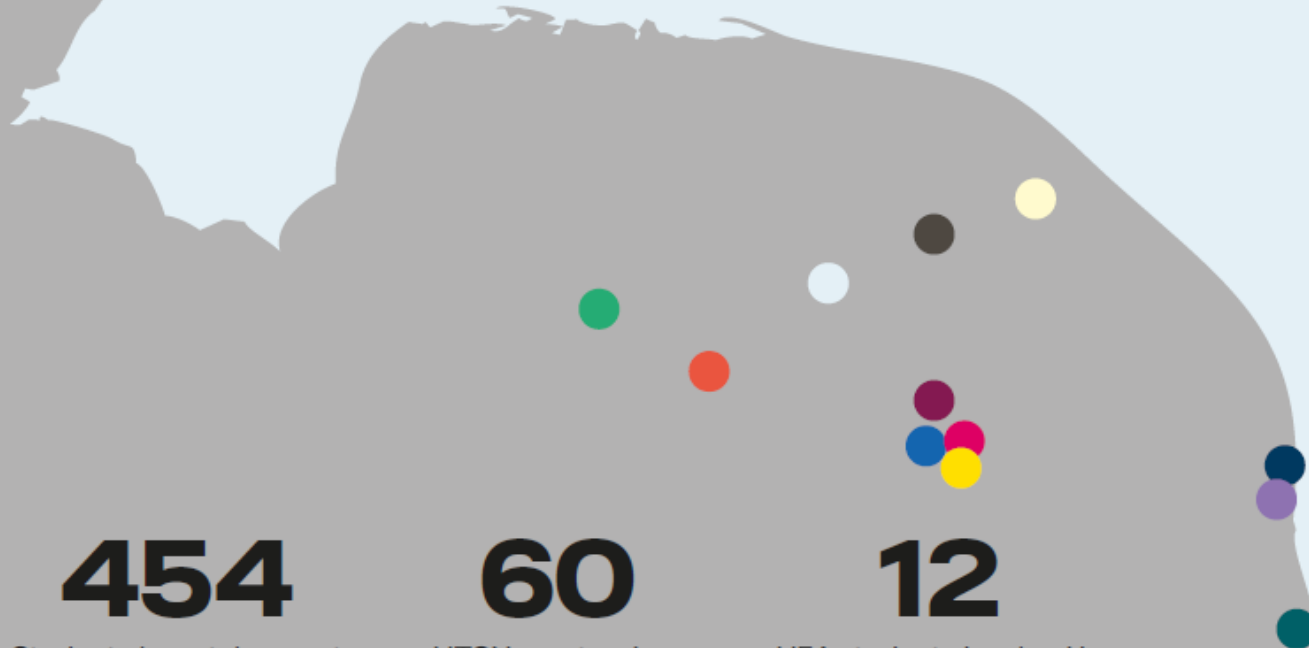


6



# Wind Farm Careers Challenge

## Peer mentoring programme reach



**454**

Students have taken part in the programme

**60**

UTCN mentor days

**12**

UEA students involved in delivery

**16**

UTCN students involved in delivering programme

**37**

UEA mentor days

**21**

Delivery sessions

## Norfolk & Suffolk:

- (UTCN) University Technical College Norfolk
- Dereham Sixth Form College
- City College Norwich
- Reepham College
- Aylsham High School
- East Coast College Great Yarmouth
- East Norfolk College, Gorleston
- Paston College, North Walsham
- Litcham School
- University of East Anglia, Norwich
- Hellesdon High School, Norwich
- Lowestoft Sixth Form

## Netherlands:

- Nova College, Amsterdam
- Noordepoorte College



# Wind Farm Careers Challenge

Peer mentoring programme 2022/23

**440+**

Target number of students to reach  
this academic year

**16**

Students from UTCN & East Coast  
College trained as mentors

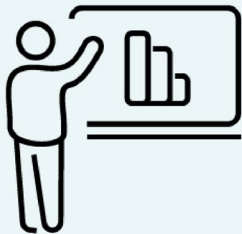


# Supply Chain Engagement

This began in 2018, and delivers great networks and understanding, assisting now to optimize local content opportunities



**5** Vattenfall events



**20** Cluster, chamber, LEP & miscellaneous workshops



**9** Conference & exhibitions

**120+** Online Keep in Touch sessions 2020-2022





# Community Benefit Fund

**£15 M**  
**Over 25 years**

At **£15 million over 25 years**, the Norfolk Zone Community Benefit Fund will be the highest value fund from an offshore wind farm zone supporting climate smart community initiatives in Norfolk to date.

1. Initial region-wide survey  
1500 participants from across Norfolk gave their views
2. Follow-up workshops held in 6 locations along cable route to open dialogue & introduce the fund
3. Deliberative mapping of climate smart community ideas informing thematic workshops in Q2 2023
4. 2023: Defining fund criteria, administration and governance to ensure the fund is responsive to local interests and needs
5. 2024: Recruitment of local decision-making panel.  
Community Benefit Fund ready to accept applications.



Phase 1 - Summer 2021

Phase 2 - throughout 2022

**Phase 3 - from early 2023**

Phase 4 - 2023

Phase 5 - 2024

# PHASE1 – accessible survey

**Q1. How do you feel about Norfolk's leading role in delivering UK climate action?**

Please circle one



**Q2. What do you think the main benefits of developing offshore wind off Norfolk are?**

Please circle up to three



UK homegrown energy supply



Community benefit funding



Leading green energy industry



Construction jobs



Skills development



Climate action



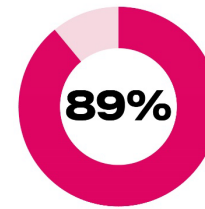
25+ years operational jobs



Local supply chain opportunity

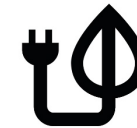


# How Norfolk is responding to the climate challenge



89% of people are positive about Norfolk's leading role in delivering green power – particularly from offshore wind.

The following were the top reasons selected as the main benefits of developing offshore wind off Norfolk:



Maintaining the region's leading role in the green energy industry



Climate action

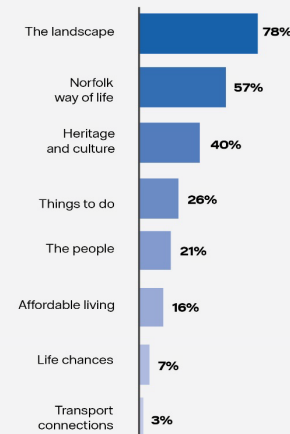


UK home grown, secure energy supply

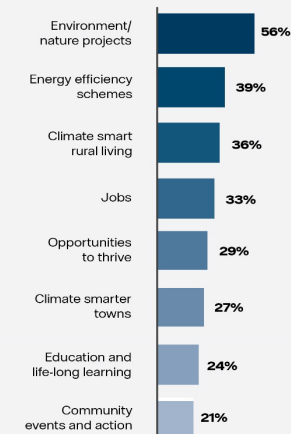


Green jobs

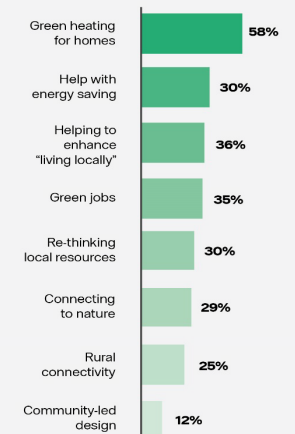
Community climate action should bear in mind what people value in Norfolk now, namely:




And what people would like to see more of in Norfolk?



What could help kick-start your community's journey towards fossil-fuel freedom?





Local staff.  
Start early to  
listen & learn  
– earn your  
license to operate

Reach-out,  
share challenges  
& look for  
solutions together  
– develop the  
best possible  
project

Collaborate,  
ensure people  
recognise, and  
are empowered  
to optimise  
multiple benefits