North and East Coast
Regional Inshore Fisheries Group

Friday 11th November 2022 13.00 to 15.00 (online)

Venue		Timings	
Teams Virtual Meeting		**Start** **Close**	**13.00** **15.00**
13.00	Welcome and Introductions		Jennifer
13.10	Marine Scotland Update		Jim / Stuart
13.30	HPMA & Inshore MPA Management Options		Helen Downie
13.50	Renewables Update & Spatial Squeeze		Summary Attached for discussion
14.15	Clyde Creel Management Project Update		Elaine Whyte
14.30	Issues raised for Discussion including MCA requirements, landing of undersized lobster and ground holding		All
15.00	AOB & Date of Next Meeting		Jennifer

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Offshore Wind Energy Renewables Update

Round 3

PENTLAND FIRTH **PFOWF**	Test Site for 7 x floating WtGs anchor mooring systems however looking into alternative TLMs. Spatial footprint 10Km2. Operational by 2027?
Beatrice	Fully operational June 2019. 2 sections of exposed cables identified 7/2022 possible fishing related (Could have future ramifications)
Moray East	Fully operational April 2022.
Moray West	SI survey campaign beginning April 2022 lasting most of the summer. Issues raised regarding cable route and lack of consultation with the local fishers. Guidance from CES and MS due out circa September which we are inputting.
Hywind	Fully operational July 2017. Fishing trials within the mooring arrays are due to start in July 2022, trials carried out by SFFSL Seagull these will include creels, lines (automated jigging machines) and fish traps.
Aberdeen bay	Fully operational July 2018 Two existing wind turbines to be converted to produce Hydrogen to be live 2025, UXO clearance application for pipeline making landfall at possibly Blackdog.
Kincardine	Fully operational November 2021 Largest floating windfarm to date (50Mw) rock dump along the complete export cable route which was not licenced, this is still an ongoing issue since February 2021 with MSLOT. One turbine being towed to Rotterdam for repair as it has had a failure.
[redacted]	
Inchcape	Successful in CfD auction July 2022 offshore construction to begin 2024 Operational and Maintenance base confirmed as Montrose
SeaGreen	Construction began late summer 2021 looking to be generating by late 2022 however the project to date is 5 months behind schedule due to Siem7000 heavy lift vessel issues. Cable routes causing extreme pressure on local mobile prawn fleet and visiting vessels unable to fish in preferred fishing areas.

SeaGreen 1a	36 turbines and additional cable route making landfall at Cockenzie running adjacent to Inchcape cable. Power station at Tealing unable to handle the extra power.
NnG	Offshore construction began in summer 2020 however having technical challenges and first power not to be until 2024 at the earliest. Overtrawl trials on the export completed 2022.
Berwick bank	Early stages of consultation however once completed it will be the largest offshore windfarm in the world producing enough power for every household in Scotland twice over. Total spatial footprint has been reduced by 23% this has been driven by bird kill and overlap into MPA and SACs. Export cable routes making landfall at Skateraw and Blythe. Planning application was due in May however it has been delayed until December. SSE would like to implement a ban on sand eel fishing for the East coast of Scotland as a compensatory measure. MS also suggested to SSE that they should be carrying out some research regarding the scallop fishery on the sand eel stocks, and also trialling “disco lights in Creels”
Forth Wind	Application for additional turbines consented for 2 x 9Mw
Morgan and Mona	Site investigations on going, early engagement has been good with developers however a grave concern for the scallop fishers in this area. The input from local fishermen has been excellent and will help play a major part in achieving the ambition of co-existence in this area.

<u>Scotwind</u>

There have been 17 lease agreements signed, 11 have reached out to the SFF/SWFPA.

Original	***New***	***Owners***	***Moorings***	***Capacity***	***Area***	***Engaged***
E1 (Morven) (Bellrock)	1 2 3	BP 1 SSE Falck	Fixed Floating Floating	2907Mw 2610Mw 1200Mw	859Km2 859Km2 280Km2	X
E2 (Campion Wind) Mara Mhor	4 5	Shell (SPR) Vattenfall	Floating Floating	2000Mw 798Mw	860Km2 200Km2	X X
E3 Cluaran Deas Ear	6	DEME Concessions wind NV	Fixed	1008Mw	187Km2	X
NE2 Cluaran Ear- Thuath	7	DEME NV	Floating	1008Mw	1008Km2	X
NE3 (Stromar)	8	FALCK	Floating	1000Mw	256Km2	X
NE4 (Caledonia)	9	MORP(OW)	Fixed Part Floating	1000Mw	429Km2	
NE6	10	FALCK	Floating	500Mw	134Km2	
NE7 (Marram Wind)	11	SPR	Floating	3000Mw	684Km2	X
NE8 Buchan	12	BAYWA r.e. UK	Floating	960Mw	330Km2	X
N1(West of Orkney)	13	OWP	Fixed	2000Mw	657Km2	X
N2	14	Northland Power	Floating	1500Mw	390Km2	
N3	15	Magnora ASA	Floating	495Mw	103Km2	
N4	16	Northland Power	Fixed	840Mw	161Km2	
W1(Machair Wind)	17	SPR	Fixed	2000Mw	754Km2	X
NE1	18	Ocean Winds	Floating	500Mw		
NE1	19	Mainstream Renewables	Floating	1800Mw		
NE1	20	ESB	Floating	500Mw		
Total				27626Mw	**7903Km2**	

N2,3 and 4 have not reached out as yet which could indicate delays on these projects.

CES Clearing Round

CES clearing process has only identified one area of interest NE1 which was the lease option East of Shetland, three companies have been option too lease. (See above table)

To date no appetite from developers to address the mooring system issue as the main driver for innovation is to lower the cost of energy (LCOE) and tension legs mooring systems are expensive however we will continue to push for this concept however not very hopeful.

Export Cable Routes

Holistic Network Design Pathway 2030

Innovation and Targeted Oil and Gas Decarbonisation (INTOG)

IN=Innovation **TOG**=Targeted Oil and Gas

Salamander ***Innovation*** site less than 100Mw, surveys are beginning July 2022 although the total area will be surveyed the area that will be developed will be 50% of the total, this OWF which will be floating will have around 6 or 7 turbines as a maximum. Cable routes will cause a concern however communication between developer and the fishing industry is improving and seem to working with industry for the least impact on fisheries.

TOG

First development will be the GreenVolt which is a 300MW OWF however this could increase to 500Mw powering the Buzzard with additional export cable to connect to the grid. There are ongoing discussions with other asset owners to use Greenvolt as a hub.

36 applicants for INTOG AoS announcements Q3 2022 or Q2 2023 although no MS guidance is in place (due Q3 2023) interested parties can claim exclusivity rights early in the process. Delivery of TOG is supposed to be completed by 2027.

N.B

It has been noted that some OG operators have no appetite to build OWFs and their preference is to run cable/s from the grid out to their assets which makes perfect sense and alleviate a lot of anxiety from the fishing industry. The asset owners include Total, BP, Shell, and Harbour Energy.

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Cables

Eastern Link Project, 2x Hi Voltage Direct Current link cable between Scotland and England;

- Torness to Hawthorn Pit (2027); 12 – 20 km from shore; 37.5 km in Scottish, 138.5 km in English waters; Fisheries inc static, nephrops, squid, scallops
- Peterhead to Drax (2029) 40 – 50 km from shore, 154 km Scottish, 286 km English waters Fisheries inc static, nephrops, squid, scallops