



MORAY EAST

OFFSHORE WIND FARM



Moray Offshore Windfarm (East) Limited

Supply Chain Plan

Annex 2 – Action & Commitment Summary



Summary of Actions and Commitments taken by Moray East

Actions undertaken or being undertaken and commitments being made by Moray East within the Competition, Innovation and Skills sections of the main report are summarised below, along with the report section in which the action/commitment is listed.

Section	Action / Commitment	Timeframe
COMPETITION		
4.2	Encouraging Competitive Procurement	
4.2.2	Multi-stage procurement process.	Continuous/ongoing
4.2.4	Tendering of multiple Tier 1 EPCI contracts.	Ongoing
4.2.6	[REDACTED]	Ongoing
4.2.8	Consolidation of transmission infrastructure packages.	Complete
4.2.10	[REDACTED]	Complete
4.2.12	[REDACTED]	Ongoing
4.3	Supply Chain Breadth and New Entrants	
4.3.2	Broad RFI engagement.	Complete
4.3.4	Work with suppliers to improve competitiveness of offers.	Complete
4.3.6	Supply Chain Pilot Programme.	Continuous, until decommissioning
	Website registration forms & distribution of supplier lists to Tier 1 suppliers.	Continuous, until decommissioning
4.3.7	<i>Moray East shall use all reasonable endeavours to encourage Tier 1 suppliers to use the Moray East supply chain database information to inform the subcontractor procurement process.</i>	Post CfD
4.3.8	<i>Moray East will therefore hold a series of supply chain events to identify local suppliers suitable for a M3 programme, while providing information to the market about service/supply needs and timescales.</i>	Post CfD
4.3.9	<i>Moray East also commits to holding discussions with neighbouring projects to identify opportunities for realising potential benefits to develop an O&M cluster.</i>	Post CfD
4.4	Removing barriers to entry	
4.4.2	Next generation substructures (substructures and jackets) RFP competition including [REDACTED]	Complete
4.4.4	Work with GBS supply chain to help understanding of potential opportunities.	Complete
4.4.6	Support for [REDACTED] to enter new markets.	Complete
4.5	Improving awareness of commercial opportunities.	
4.5.2	Moray East attendance at external supply chain events pre-CfD.	Complete
	<i>Moray East attendance at external supply chain events post-CfD award.</i>	Post CfD
	Moray East Project specific meet the buyer events pre-CfD.	Complete
	<i>Moray East project specific meet the buyer events post-CfD award, with suppliers contractually bound to attend, including activities such as face to face meetings with lower tier suppliers.</i>	Post CfD

Section	Action / Commitment	Timeframe
4.5.4	<i>Moray East will use all reasonable endeavours to include relevant suppliers in the database within the RFI stage of the Tier 1 subcontractor procurement process, including invitations to Project specific meet-the-buyer events.</i>	Post CfD
4.5.6	MOUs with local ports.	Ongoing
4.5.7	<i>The primary O&M base for the Moray East project will be Buckie, Wick or Fraserburgh.</i>	Continuous, until decommissioning
4.6	Sharing best practice and lessons learned	
4.6.1	Use of technical expertise within procurement process.	Complete
4.6.3	Supply Chain Workshop for feedback to Tier 1 suppliers/key subcontractors.	Complete
4.6.5	Share procurement lessons learned through industry forums.	Continuous, until decommissioning
	Engagement on supply chain issues with Government bodies (e.g. DECC, UKTI, SE and HIE).	Continuous, until decommissioning
4.7	MORAY EAST working in partnership with Tier 1 suppliers	
4.7.2	Requirement for Tier 1 suppliers to deliver SCP commitments.	Ongoing

Section	Action / Commitment	Timeframe
INNOVATION		
5.2	R&D in Environment-OWF Interactions	
5.2.3	Research into impacts on birds (various).	Complete and Ongoing
5.2.6	Research into impacts on marine mammals (various).	Complete and Ongoing
5.2.9	Research into fishing gears suitable for use in offshore wind farms <i>with trials in 2018 subject to CfD award.</i>	Complete and post-CfD
5.2.12		
5.3	Innovation in Wind Resource Assessment	
5.3.2	1. Use of LIDAR for wind data collection since 2011 - validated against the fixed met mast (installed 2015). 2. Option for using technology floating Lidar in Zone 1.	Complete and Ongoing
5.3.5	Wake effect PhD sponsorship.	Ongoing
5.4	Innovation in Wind Turbines	
5.4.2		1. Ongoing 2. Complete
5.5	Innovation in Substructures	
5.5.2	Innovation resulting from for jacket and GBS substructures.	Complete
5.5.4	Innovations being developed as a result of substructure suppliers working with WTG EPCI contractor to improve design.	Ongoing
5.5.5		Ongoing
5.5.7	Offshore met mast GBS.	Complete
5.5.11	Adaptation of the standard pile refusal model to improve understanding of piling activity required.	Ongoing
5.6	Innovation in Inter-array Cabling & Transmission Infrastructure	
5.6.2	Switchgear in transition piece design.	Ongoing
5.6.4		Post CfD
5.6.7	1. Moray East is committing to the use of aluminium inter-array and export cabling. 2. Moray East is exploring the use of 66kV inter-array cabling which can transmit more power than traditional 33kV cabling.	1. Post CfD 2. Ongoing
5.6.10		Ongoing
5.6.13	Innovative transformer configuration design.	Ongoing
5.6.16		Ongoing
5.7	Innovation in Access Systems	
5.7.2	Moray East commits to investigating the potential in recent advances in walk to work technologies.	Post CfD
5.8	Procurement/Contracting Innovation	
5.8.2		Complete and Ongoing
5.8.5	The EDPR M3 O&M model will be adapted for the Moray East Project.	Post CfD

Section	Action / Commitment	Timeframe
5.8.3	Cross-fertilisation of ideas between fixed and floating projects.	Ongoing
5.9	Additional Evidence of Best Practice and Lessons Learned	
5.9.1	Staff working across projects to allow transfer of knowledge.	Ongoing
5.9.2	Member of Offshore Energy Catapult Industrial Advisory Group.	Ongoing

Section	Action / Commitment	Timeframe
SKILLS		
6.2	Skills Gap Analysis	
6.2.2	<ol style="list-style-type: none"> 1. Skills gap analysis for Moray East and wider industry. 2. Skills gap analysis by the Project suppliers. 3. <i>Moray East commits to further discussion with relevant organisations (e.g. SDS and HIE) and other development in order to develop a sustainable recruitment pool.</i> 4. <i>EDPR-UK commits to establishing a Project Skills Committee for Moray East.</i> 	<ol style="list-style-type: none"> 1. Complete 2. Complete 3. Complete and post-CfD 4. Post-CfD
6.3	Developing and retaining and skilled workforce	
6.3.3	Staff working across projects to allow transfer of knowledge.	Ongoing
6.3.5	Use of EPCI process to develop team skills.	Ongoing
6.3.7	<ol style="list-style-type: none"> 1. EDP University for upskilling employees (including Lead Now and Executive Development Programme). 2. EDPR Trainee Programme. 	Ongoing
6.3.9	<p>Support for internal staff doing extra-professional endeavours:</p> <ol style="list-style-type: none"> 1. EDPR staff on management board of Moray College UHI. 2. EDPR staff as tutors on IME Masters in Marine Renewables Energy. 	Ongoing
6.4	Diversity in the Labour Pool	
6.4.2	<ol style="list-style-type: none"> 1a. <i>EDPR commits to offering staff from EDPR-UK the opportunity to join mentoring programmes which provide mentors for females entering and progressing within STEM careers.</i> 1b. <i>Moray East staff have already engaged in a women-orientated mentoring programme.</i> 2. <i>EDPR commits to encouraging female staff to attend relevant external (female orientated) external skills workshops.</i> 3. <i>EDPR-UK commits to ensure diversity issues and barriers to women's development are understood across the whole team and women encouraged to join networking groups, such as WIRES and Equate-Scotland.</i> 4. <i>EDP Diversity and Inclusion project which will influence UK approach to diversity issues.</i> 	<ol style="list-style-type: none"> 1a. post-CfD 1b. Complete 2. post-CfD 3. post-CfD 4. Ongoing
6.5	Developing External Candidate Skills	
6.5.2	<ol style="list-style-type: none"> 1. Internships already completed and <i>commits to continuing to recruiting interns throughout pre-construction and construction.</i> 2. <i>Moray East has hosted a number of Masters projects for students attending the University of Edinburgh's Masters in Carbon Finance and the Executive MBA Programme and commits to continuing this engagement through the pre-construction and construction phases of Moray East.</i> 3. <i>Moray East has been working with the University of Edinburgh to identify opportunities for supporting the development of the Industrial Doctoral Centre for Offshore Renewable Energy (IDCORE) programme. Moray East is committed to furthering this relationship and identifying the potential for supporting a Doctoral student within the Project.</i> 4. <i>EDPR-UK is committed to developing an apprenticeship programmes supported by the Tier 1 suppliers, to support resourcing within Moray East.</i> 	<ol style="list-style-type: none"> 1. Complete and post-CfD 2. Complete and post-CfD 3. Complete and post-CfD 4. Post-CfD 5. Post-CfD 6. Post-CfD

Section	Action / Commitment	Timeframe
	<p>6. Moray East commits to ensuring that the apprenticeship programme [REDACTED] make provisions to support diversification.</p>	
6.6	Attracting People to the Renewables Industry	
6.6.2	<p>1. Moray East staff have been STEM ambassadors.</p> <p>2. Green Education programme in the Moray Firth.</p> <p>3. Moray East has and will continue to give presentations and workshops at Universities, highlighting the opportunities within the renewables industry.</p> <p>4. 2011 Skills conference.</p> <p>5. Moray East commits to holding a follow-up event following award of CfD to the Project and will include skills required by both the Project, its suppliers and licensing stakeholders.</p> <p>6. Moray East is also working with the Career Transition Partnership (CTP) to identify opportunities for recruiting ex-servicemen to the renewables industry.</p>	<p>1. Complete</p> <p>2. Complete/ongoing</p> <p>3. Ongoing & post-CfD</p> <p>4. Complete</p> <p>5. Post-CfD</p> <p>6. Ongoing</p>
6.7	Supporting Development of the Supply Chain Workforce	
6.7.2	<p>1. 4 meet the buyer events to date with more events to follow post-CfD.</p> <p>2. The contracts for the EPCI work packages will make the commitments of these SCPs, including those for skills development, contractually binding.</p> <p>3. Moray East is supporting identifying and developing [REDACTED]</p>	<p>1. Complete and post-CfD</p> <p>2. Ongoing and post-CfD</p> <p>3. Ongoing</p>
6.7.4	Support for [REDACTED] as a lower tier supplier.	Ongoing