



Briefing on Offshore Wind Energy Activities for the New England Fishery Management Council

Brian Hooker Office of Renewable Energy Programs

January 31, 2012





- State and regional update
- Update on studies
- Update on outreach

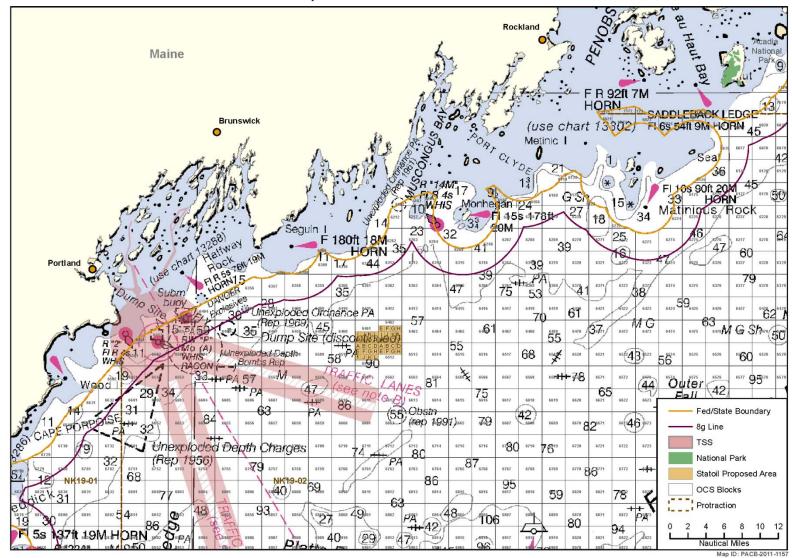


Maine

- StatOil North America submitted an unsolicited lease proposal to BOEM in October 2011.
- The proposed project Hywind Maine consists of four 3 MW wind turbine generators utilizing a floating turbine design.
- The water depth at the Hywind Maine location is greater than 100m (328 feet) and located about 12 nautical miles off the coast
- The purpose is to demonstrate the commercial potential of the floating offshore wind turbine technology in response to a corresponding Request for Proposal issued by the Maine Public Utilities Commission



Statoil Proposed Area and NOAA Nautical Chart





Maine...

- BOEM held a task force meeting on December 8, 2011 in Portland to discuss the Hywind Maine proposal.
- Fishing concerns, including tuna, groundfish, and lobster were raised by task force members and during public comment.
- NMFS fishing effort data was presented.



Maine Next Steps

- Prepare a Request for Competitive Interest (RFCI) for the StatOil proposal;
- Discuss RFCI with Maine Task Force;
- Publish RFCI for 60-day public comment period (tentatively Spring 2012).



Massachusetts

- BOEM is preparing to publish a Call for Information and Nominations and a Notice of Intent to Prepare and Environmental Assessment with a 45-day comment period.
- General information meetings and meetings with the Massachusetts fisheries and habitat working groups are being scheduled for Massachusetts in early 2012 (tentatively February).



Rhode Island/ Massachusetts

- Area Identification for the Area of Mutual Interest (AMI) is being developed. The Area ID will:
 - Identify the geographical area of the proposed action to be analyzed in an EA;
 - Identify any alternatives and mitigation measures; and
 - Result in the announcement of a wind energy area.
- Environmental Assessment for leasing, site assessment, and site characterization will proceed following Area ID.
- Received ROW request for Deepwater Wind's Block Island transmission cable (Lead Federal Agency is USACE).



Mid-Atlantic

- The final Environmental Assessment (EA) for leasing, site characterization, and site assessment for NJ, DE, MD, and VA will be made available in early 2012.
- Following the EA there will be a Call for Information and Nominations for MD and VA; NJ may begin competitive lease sale/auction.
- Received an unsolicited lease request from NY Power Authority in September. NY task force meeting scheduled for Spring 2012 to discuss proposal.

New	J.	K.A	E.	2	b												T	L	r	7.46	- Ar	200			6223	6224	6225	6226	6227	
York				New York						wither 20				En al	Geren -			-	6270				6272	6273	6274	6275	6276	6277		
1 st. of	- Pa										ملہ ا	J. J	when	N	~			and the second s	2	6318	6319	6320	6321	6322	6323	6324	6325	6326	6327	
and the		~	July Mo	Jud.)	144	tex	- Alo	wight	مر من	Non and and and and and and and and and an			20				6366	6367	6368	6369	6370	6371	6372	6373	6374	6375	6376	6377	
		N N	to a	and the	L. X	ي ل	pr		Jas -					_	6413	6414	6415	6416	6417	6418	6419	6420	6421	6422	6423	6424	6425	6426	6427	
						6458	6459	6460	6461	6402	6463	6464	8466	6466	6467	6468	6469	6470	6474	6472	6473	6474	6475	6476	6477					
1			6501	6502	6503	6104	6505	6506	6507	6508	6509	6510	6511	6512	6513	6514	6515	6516	6517	6518	6519	6520	6521	6522	6523	6524	6525	6526	6527	
And a		6590	6551	6552	6553	6554	6555	6556	6557	6558	6559	6560	6561	6562	6563	6564	6565	6506	6567	6568	6569	6570	6571	6572	6573	6574	6575	6576	6577	
	A	6640	6601	6602	6603	6604	6605	6606	6607	6608	6609	6610	6611	6612	6613	6614	6615	6616	6617	6618	6619	6620	6621	6672	-0023	6624	6625	6626	6627	
a de la		6690	6651	6652	6653	6654 H	A B C D E E G H I J N L N O P	6656 EFGH		1 6658 M N O P	6659	6660	6661	6662	6663	6664	6665	6666	6667	6668	6669	6670	6671	6672	6673	6674	6675	6676	6677	
Jark	24	6740	6701	6702	6703	6704	6705	A B D F G H K L 6706	A B C D F G H I J K L MNOP	A B C D E F G H I J K L M N O P	A B C D E T C H I J K L M N O P	A 6710 E F G H T S K L M N O P	6711 EF IJKL MNOP	6712	6713	6714	6715	6716	6/17	6718	6719	6720	6721	6722	6723	6724	6725	6726	6727	
A A		6790	6751	6752	6763	6754	6755	6756	6757	A D C D E F G K L 6758 P	A B C D E F G H I I K L M N O R	IJKL	A B C D E F G H I J K L M N O P	I J	A 6763	6764	6765	6766	6767	6768	6769	6770	6771	6772	6773	6774	6775	6776	6777	
New	[6840	6801	6802	6803	6814	6805	6806	6807	6808	809 H		A B C D E F G 681	6812	6813	6814	6815	6816	6817	6818	6819	6820	6821	6822	6823	6824	6825	6826	6827	
lersey		6890	6851	6852	6853	6854	6855	6856	6857	6858	6859	6860	6861	6962	6863	6864	6865	6866	6867	6868	6869	6870	6871	6872	6873	6874	6875	6876	6877	
/		6940	6901	6902	6903	6904	6905	6906	6907	6908	6909	6910	6911	6912	6913	6914	6915	6916	6917	6918	6919	6920	6921	6922	6923	6924	6925	6926	6927	
	6989	6990	6951	6952	6953	6954	6955	695	6957	6958	6959	6960	6961	6962	6963	6964	6965	6966	6967	Fed/State Boundary I Nautical Mile Buffer of TSS TSS OCS Lease Blocks Official Protraction Diagram Long Island, New York City - Offshore Wir										
	7039	7040	7001	7002	7003	7004	7005	7006	2007	7008	7009	7010	7011	1012	7013	7014	7015	7016	7017											
A A A A A A A A A A A A A A A A A A A	7089	709	7051	7052	7053	7054	7055	7056	7057	7058	7059	7060	061	7062	7063	7064	7065	7066	7067											
and and	7139	7140	7101	7102	7103	7104	7105	7106	7107	7108	7109	710	7111	7112	7113	7114	7115	7116	7117											
33	6039	6040	6001	6002	6003	6004	6005	6006	6007	6008	6009	6010	6011	6012	6013	6014	6015	6016	6017											
	6089	6090	6051	6052	6053	6054	6055	6056	6057	6058	6059	6060	6061	6062	6063	6064	6065	6066	6067		-		pplication							
	6139	6140	140 1 6101 6102 6103 6104 6105 6106 6107 6108 6109 6110 6111 6112 6113 6114 6115 6116 6117												Nautical Miles															
618	6189	6190	6151	6152	6153	6154	6155	6156	6157	6158	6159	6160	6161	6162	6163	6164	6165	6166	6167											



South Atlantic

- North Carolina planning documents will be published in early 2012 for four potential areas.
- South Carolina Task Force is under development.
- Georgia Interim Policy lease application from Southern Company for a meteorological tower/buoy is under review.
- Florida Interim policy lease application for testing of a marine hydrokinetic device is under review.

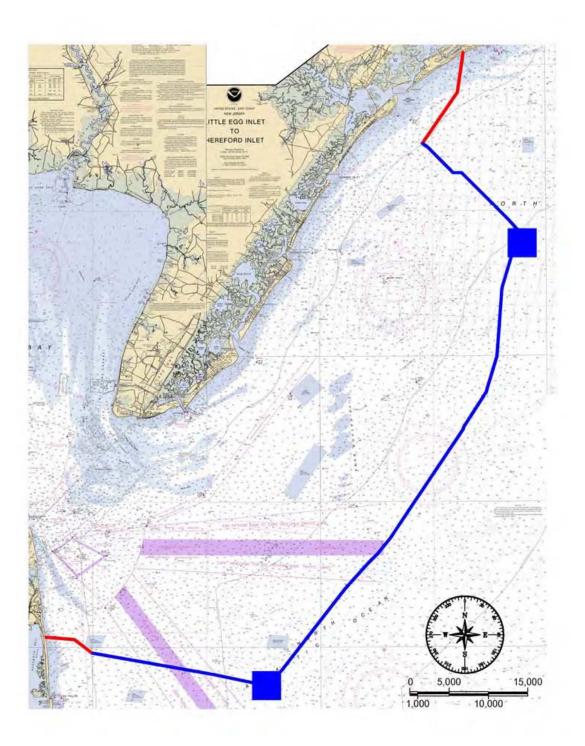


Atlantic Wind Connect

- RFCI was published on December 21, 2011 and closes on February 21, 2011.
- OREP plans late March 2012, mid-Atlantic BOEM/Multi-State Task Force meeting (teleconference/Webinar): to discuss RFCI comments and responses, and next steps.



AWC Proposed Phase 1 route Atlantic City, NJ to Bethany Beach, DE (approximate).





Studies

- EMF impact studies are continuing:
 - EMF model-based assessment and literature review is completed.
 - EMF *in situ* study kicking off this year in the Pacific.
 - Dept. of Energy funded EMF laboratory-based study is continuing.
- Fish acoustic impacts:
 - Workshop scheduled for March.
 - Effects of Pile Diving Sounds on Auditory and Non-Auditory Tissues of Fish is ongoing.



Studies

- The "Development of Mitigation Measures to Address Potential Use Conflicts Between the Wind and Commercial Fishing Industries" was awarded in January 2012.
- Study evaluating the socio-economic impact to fishing from offshore wind energy development has been approved for funding in FY12.





- Ongoing briefings to the fishery management councils on offshore renewable energy activities.
- Continued discussions with stakeholder workgroups organized by the states.
- Outreach events (e.g. Maine Fishermen's Forum).
- Participation of Council staff/NMFS in development of environmental studies.



Questions?