BOEM

Call for Information and Nominations

Docket No. BOEM-2022-0009 – Commercial Leasing for Wind Power Development on the Outer Continental Shelf (OCS) Offshore Oregon

-Public-

June 28, 2022

AVANGRID RENEWABLES

US OFFSHORE WIND | AVANGRID RENEWABLES

June 28, 2022

Bureau of Ocean Energy Management (BOEM)
Office Of Strategic Resources
760 Paseo Camarillo (Suite 102)
Camarillo, California 93010

Re: [Docket No. BOEM-2022-0009] Call For Information And Nominations – Commercial Leasing For Wind Power Development On The Outer Continental Shelf (OCS) Offshore Oregon

Dear Sir or Madam,

Avangrid Renewables, LLC ("Avangrid Renewables" or "the Company") is pleased to submit its nomination areas for commercial offshore wind energy leasing on the Outer Continental Shelf (OCS) offshore of Oregon. The nomination areas and comments contained herein reflect the extensive experience of the company and its affiliates in developing, operating, and maintaining a global offshore wind portfolio.

Avangrid Renewables, among the three largest wind operators in the United States based on installed capacity, is an indirect subsidiary of AVANGRID, Inc ("Avangrid"). Avangrid has approximately $38 billion in assets in our two primary lines of business - Avangrid Networks and Avangrid Renewables. Avangrid Renewables owns and operates 8.5 gigawatts of electricity capacity, primarily through wind and solar power, with a presence in 22 states across the United States.

Avangrid supports the achievement of the Sustainable Development Goals approved by the member states of the United Nations and was named among the World's Most Ethical companies in 2019 and 2020 by the Ethisphere Institute. Avangrid is a subsidiary of IBERDROLA S.A, ('Iberdrola") one of the world's largest electricity companies. The Iberdrola Group is a global energy leader and the leading wind energy producer.

This submission includes our response to Section 5 Requested Information from Interested or Affected Parties and Section 6 Required Nomination Information of BOEM's Oregon Call for Information and Nominations.

Thank you for your consideration.

Sincerely,

Eric Thumma
Vice President, New Business
Avangrid Renewables Offshore Wind

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1. EXECUTIVE SUMMARY

Overview

Avangrid Renewables, LLC ("Avangrid Renewables") appreciates the opportunity to submit nomination areas to the Bureau of Ocean Energy Management ("BOEM") for commercial wind energy development on the Outer Continental Shelf ("OCS") offshore of Oregon.

Avangrid Renewables is a subsidiary of AVANGRID, Inc ("AVANGRID"). AVANGRID has approximately $38 billion in assets across two primary lines of business – Avangrid Networks and Avangrid Renewables. Avangrid Renewables, among the three largest wind energy generators in the United States, owns and operates 8.5 gigawatts ("GW") of electricity capacity, primarily through wind and solar power, with a presence in 22 states across the United States.

Avangrid's primary shareholder, IBERDROLA S.A. is a global energy leader and the number one producer of wind power in the world. This relationship allows Avangrid Renewables to benefit from the experience of affiliates, such as ScottishPower Renewable Energy Ltd and Iberdrola Renovables SAS. These affiliates have substantial expertise in offshore and onshore wind development, finance, construction, and operation. Collectively, they own one of the largest offshore wind portfolios in Europe, including nine projects that are already successfully constructed or in advanced development stages.

Avangrid Renewables, through its joint venture Vineyard Wind 1, LLC ("Vineyard Wind 1") in Lease Area OCS-A 0501, is developing Vineyard Wind 1 – the first commercial-scale offshore wind project in the United States, which commenced construction in 2021. Avangrid Renewables will develop, as a 100% owner, the 804-MW Park City Wind in OCS-A 0534 delivering power to the State of Connecticut. The Commonwealth Wind project, which will also be located in OCS-A 0534, was selected as part of Massachusetts' third offshore wind competitive procurement process in December 2021. The 1,232 MW project will deliver clean energy to the residents of Massachusetts. Avangrid Renewables is also the 100% owner of 122,000-acre Lease Area OCS-A 0508 for the Kitty Hawk Offshore Wind project, which represents 2,500 MW of potential wind capacity offshore of Virginia and North Carolina.

Site Selection Methodology

Avangrid Renewables' Oregon nomination areas summary is in Figure 1-1, Figure 2-1, and Table 1-1 below. The required nomination information for each of the proposed nomination areas within the Call Area near Coos Bay and Brookings are enclosed in this response. Each nomination area presented below within the Brookings and Coos Bay Call Areas ("Call Areas") represents potentially developable project areas that Avangrid Renewables encourages BOEM to continue to refine and evaluate with increasing levels of stakeholders' engagement, data collection, and environmental assessment through the Wind Energy Area identification process. While we encourage evaluation of all viable project areas within the Call Areas, as the Wind Energy Areas are further refined towards the first phase of Oregon offshore wind leasing, Avangrid Renewables notes that the nomination areas proposed in the Brookings Call Area are favoured over those in Coos Bay due to stronger wind resource, however, the company views the Coos Bay nominations as developable on the same time scale as Brookings. The order in which the nominations are listed below is based on preliminary naming convention only. Avangrid Renewables sees all nominations as equally technically feasible and developable.

BOEM Suggested Acre Limit

In Docket BOEM-2022-0009, Section 6a states, ""For context, BOEM would consider the nomination of an area comprising approximately 82,370 acres (approximately 129 square miles) reasonable, as it would likely be able to support a 1-gigawatt wind facility, assuming a power density of approximately 0.012 megawatts per acre. Nominations that considerably exceed approximately 82,370 acres may be

deemed unreasonable and not accepted by BOEM." Avangrid Renewables notes that BOEM sizes the 82,370 acres limit for a 1 GW wind farm. However, to optimize the transmission concept, achieve reasonable economies of scale, and to reflect latest spacing and turbine sizing, Avangrid Renewables has proposed larger nomination areas that still reflect subdivisions of the Call Areas and site selection methodology.

Avangrid Renewables' nomination areas are on average approximately 90,000 acres. This enables offshore wind developers to secure a pipeline of projects in each region, at a volume which can incentivize the supply chain to relocate into the region to maximize jobs and economic benefits. It also enables more efficient transportation and installation campaigns and procurement to achieve a lower cost of energy. Additional site selection methodology rationale is enclosed with the Avangrid Renewables nominations submission.

Considerations for Technically Challenging Sites

In Docket BOEM-2022-0009, Section 5i requests information on, *"Offshore wind energy industry feedback on the considerations for offshore energy development in deep waters, including greater than 1,300 meters water depths, and in areas where the seafloor slope is greater than 10 degrees with respect to mooring configurations and subsea transmission cables. Feedback on other development considerations in deep waters, such as available floating technology, transmission distance, water depth, seafloor conditions, and operations and maintenance feasibility and costs."*

Two of Avangrid Renewables' nomination areas within the current Call Areas include water depths up to approximately 1,500 meters (m). In the future, even deeper waters than these Call Areas will be viable. However, Avangrid Renewables' priority is to advance the responsible identification and siting of wind energy areas within the present Oregon Call Areas for the first phase of Oregon commercial-scale offshore wind. In a potential second phase of Call Areas beyond the current Coos Bay and Brookings Call Areas, as deep-water floating offshore wind technology is commercialized over the coming decade, future long-term planning areas beyond these depths could be considered as potential cost-competitive resources in the Oregon renewable energy portfolio. Limited portions of the Call Areas included depths up to 1570m which Avangrid Renewables has nominated to indicate future interest in areas further offshore in a second phase of Call Areas. Oregon projects deployed beyond the continental shelf will need to accommodate depths of approximately 3000m to avoid the very steep continental slope. Over the next few years offshore wind technologies will continue to evolve, improving performance and reducing costs in ever deeper waters. Avangrid Renewables provides additional comments on considerations for technically challenging sites enclosed in this submission to the Call.

FIGURE 1-1 BROOKINGS CALL AREA - NOMINATIONS SUMMARY

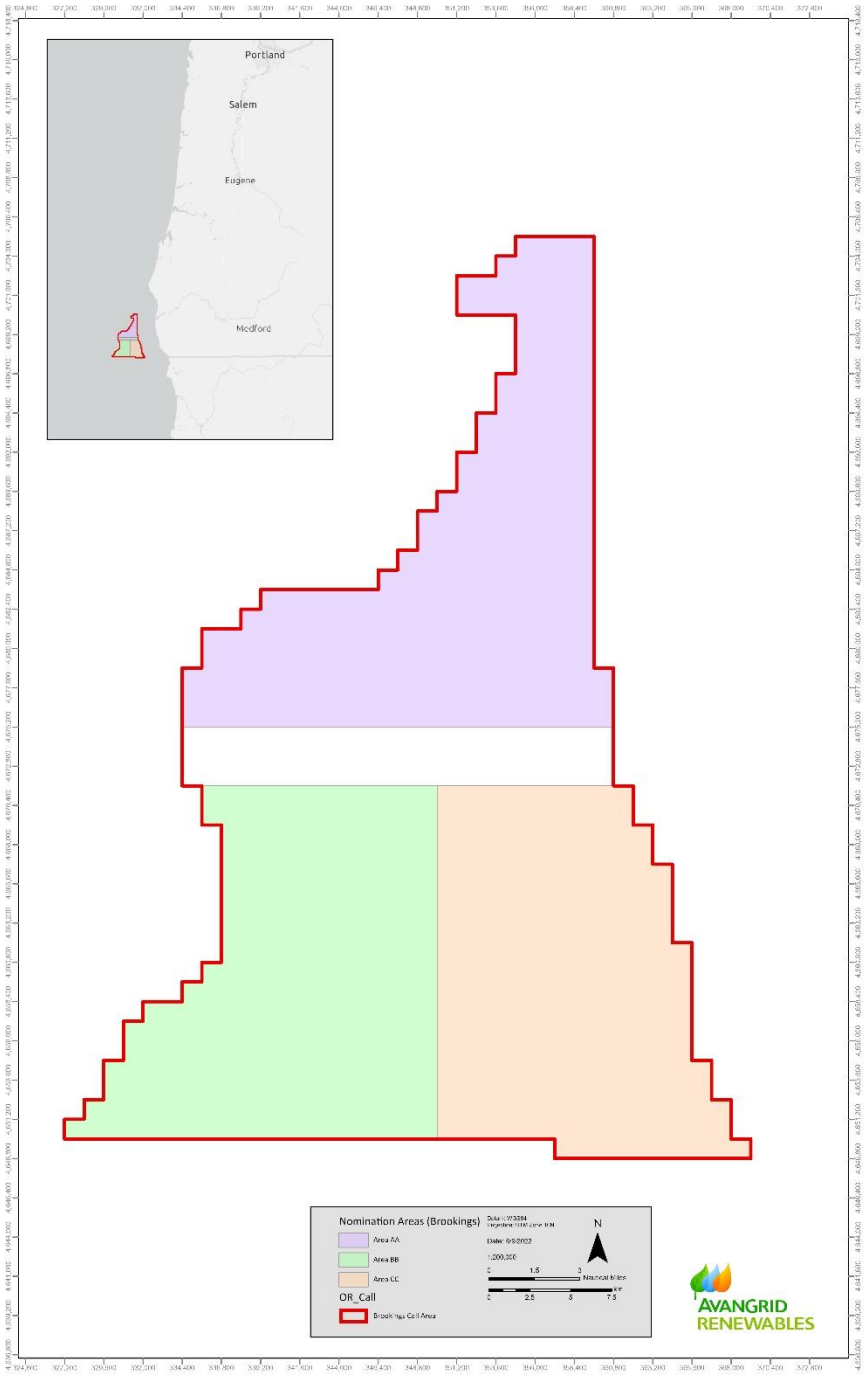

FIGURE 2-1 COOS BAY CALL AREA - NOMINATIONS SUMMARY

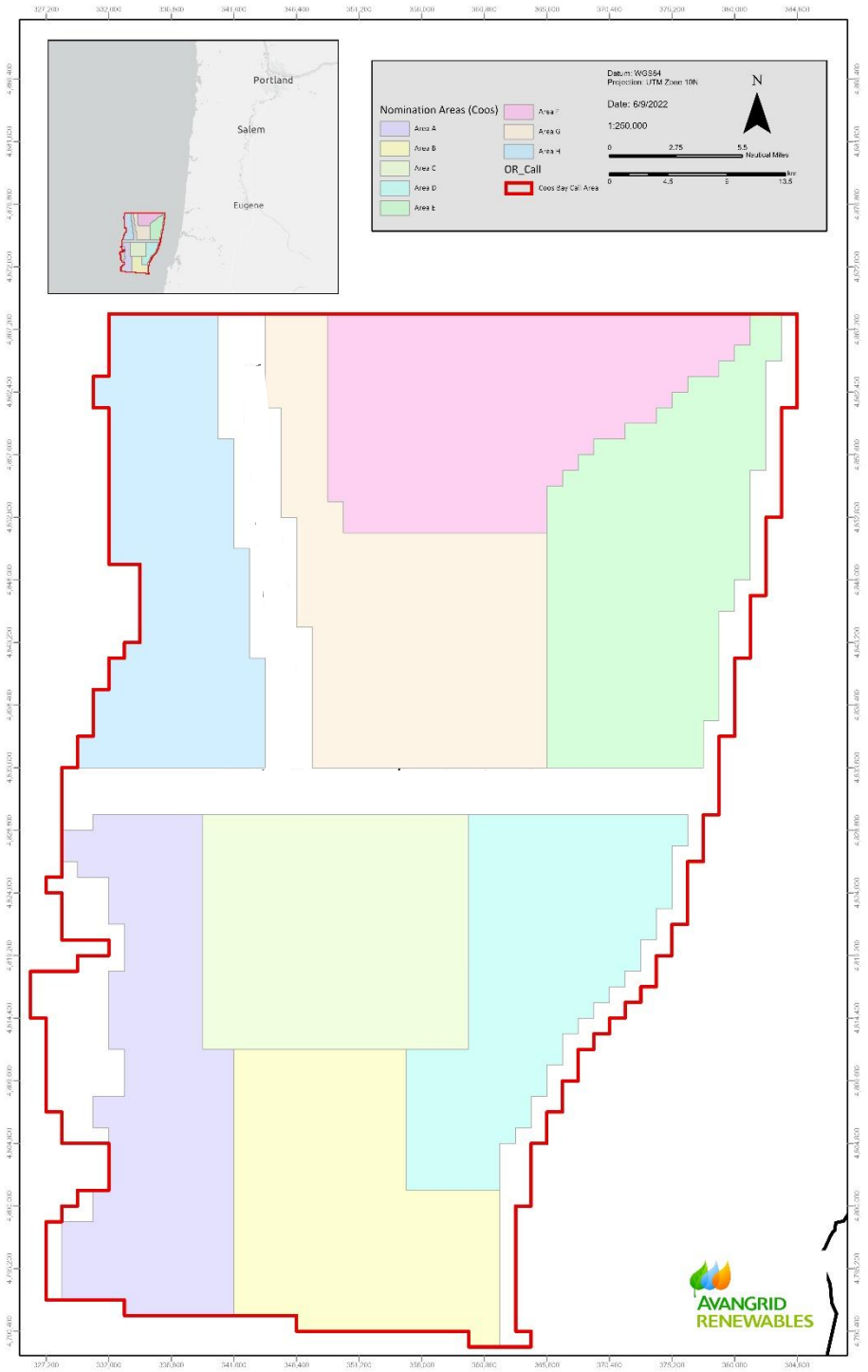

TABLE 1 NOMINATIONS SUMMARY

CALL AREA	AREA NOMINATIONS	APPROXIMATE AREA (ACRES)	POTENTIAL CAPACITY (GW)[1]
Brookings	AA	91,160	2.2
Brookings	BB	86,823	2.1
Brookings	CC	83,976	1.8
Coos Bay	A	87,890	1.9
Coos Bay	B	88,958	1.9
Coos Bay	C	90,737	2.2
Coos Bay	D	83,620	1.8
Coos Bay	E	99,989	2.2
Coos Bay	F	98,921	2.3
Coos Bay	G	99,633	2.3
Coos Bay	H	86,467	1.9
Total		998,174	22.6

1. Based on 15-MW WTG preliminary assumptions

Closing Remarks

As stated above, the *Requested and Required Nomination Information* for each of the nomination areas within the Brookings and Coos Bay Call Areas is enclosed in this response to the Call for Information and Nominations. Additionally, Avangrid Renewables has enclosed its legal, technical, and financial qualifications to hold an offshore wind lease in federal waters offshore Oregon.

Avangrid Renewables appreciates the opportunity to submit its nominations and we look forward to the ongoing industry and stakeholder collaboration as BOEM continues to advance its robust wind energy area identification, environmental assessment process, and future leasing opportunities.

2. NOMINATION - BROOKINGS AA

Avangrid Renewables presents nomination area Brookings AA to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 2-1 below.

TABLE 2-1 NOMINATION – BROOKINGS AA

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
AA	Brookings	91,160	2.2

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 2-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 2-2 below. In addition, the nomination for the Brookings AA area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 2-1 NOMINATION – BROOKINGS AA MAP

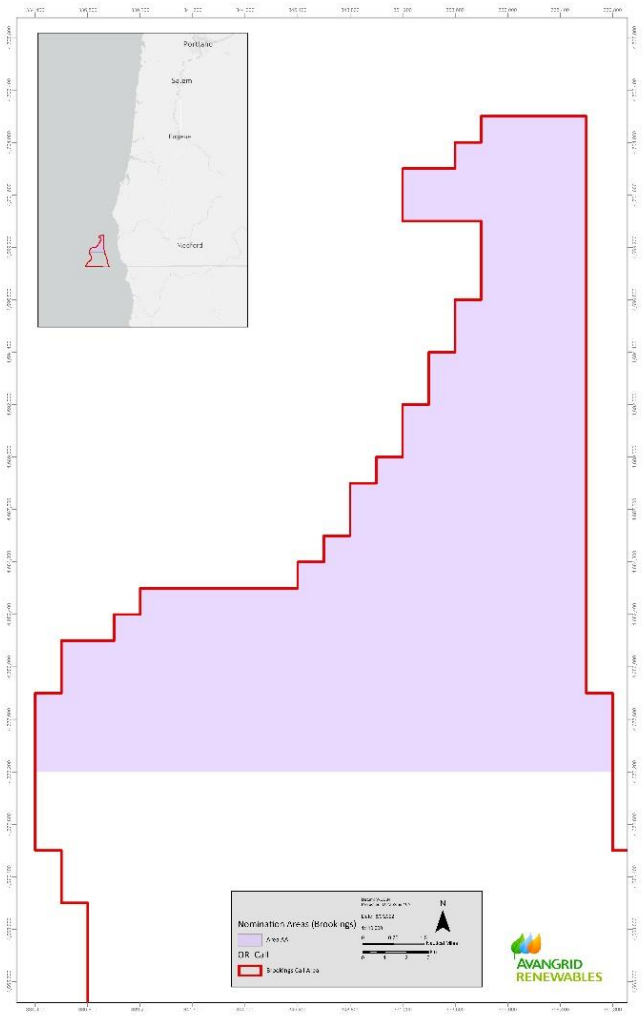

TABLE 2-2 NOMINATION – BROOKINGS AA PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Cape Blanco	NK10-04	6522																X
Cape Blanco	NK10-04	6523													X	X	X	
Cape Blanco	NK10-04	6572			X	X	X	X	X	X	X	X	X	X				X
Cape Blanco	NK10-04	6573	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	6622				X				X			X	X			X	X
Cape Blanco	NK10-04	6623	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	6672		X	X	X		X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6673	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	6721				X			X	X			X	X		X	X	X
Cape Blanco	NK10-04	6722	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6723	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	6768																X
Cape Blanco	NK10-04	6769							X	X		X	X	X	X	X	X	X
Cape Blanco	NK10-04	6770					X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6771	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6772	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6773	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	6818				X			X	X			X	X			X	X
Cape Blanco	NK10-04	6819	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6820	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6821	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6822	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6823	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X

3. NOMINATION - BROOKINGS BB

Avangrid Renewables presents nomination area Brookings BB to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 3-1 below.

TABLE 3-1 NOMINATION – BROOKINGS BB

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
BB	Brookings	86,823	2.1

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 3-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 3-2 below. In addition, the nomination for the Brookings BB area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 3-1 NOMINATION – BROOKINGS BB MAP

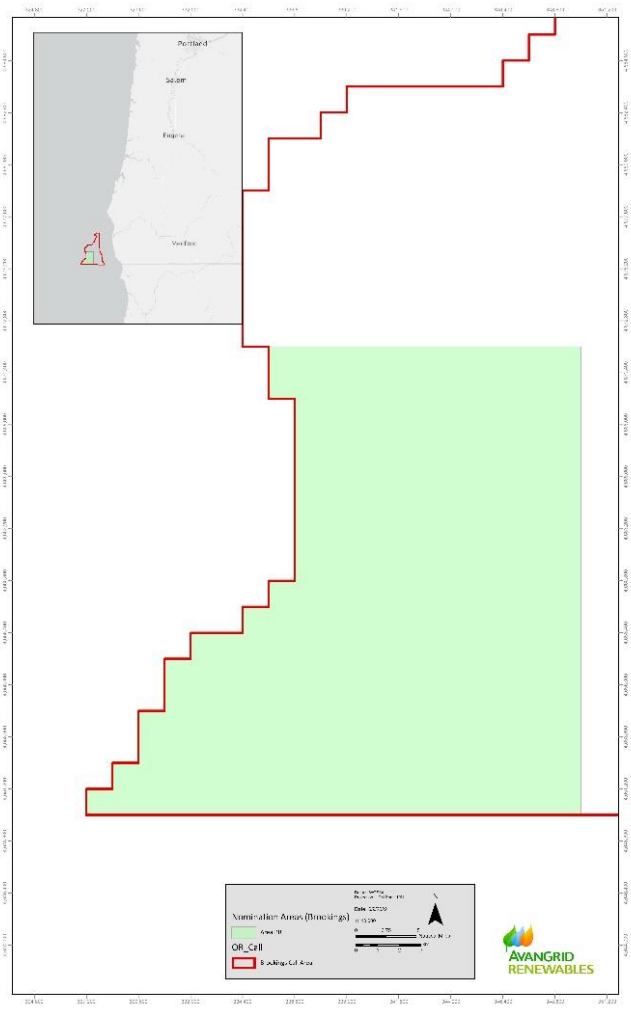

TABLE 3-2 NOMINATION – BROOKINGS BB PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Cape Blanco	NK10-04	6868																X
Cape Blanco	NK10-04	6869													X	X	X	X
Cape Blanco	NK10-04	6870													X	X	X	X
Cape Blanco	NK10-04	6871													X	X	X	
Cape Blanco	NK10-04	6918				X												
Cape Blanco	NK10-04	6919	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6920	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6921	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	6969	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6970	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6971	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	7017																X
Cape Blanco	NK10-04	7018				X			X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7019	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7020	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7021	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	7067				X			X	X			X	X		X	X	X
Cape Blanco	NK10-04	7068	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7069	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7070	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7071	X	X	X		X	X	X		X	X	X		X	X	X	
Cape Blanco	NK10-04	7117	X	X	X	X												
Cape Blanco	NK10-04	7118	X	X	X	X												
Cape Blanco	NK10-04	7119	X	X	X	X												
Cape Blanco	NK10-04	7120	X	X	X	X												
Cape Blanco	NK10-04	7121	X	X	X													

4. NOMINATION - BROOKINGS CC

Avangrid Renewables presents nomination area Brookings CC to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 4-1 below.

TABLE 4-1 NOMINATION – BROOKINGS CC

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
CC	Brookings	83,976	1.8

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 4-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 4-2 below. In addition, the nomination for the Brookings CC area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 4-1 NOMINATION – BROOKINGS CC MAP

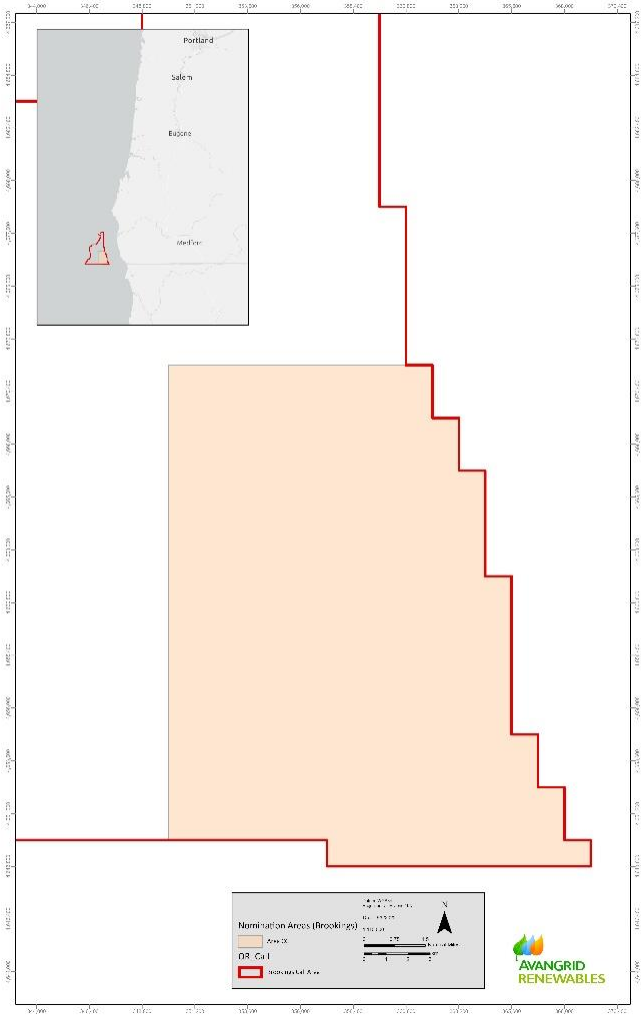

TABLE 4-2 NOMINATION – BROOKINGS CC PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Cape Blanco	NK10-04	6871																X
Cape Blanco	NK10-04	6872													X	X	X	X
Cape Blanco	NK10-04	6873													X	X	X	X
Cape Blanco	NK10-04	6874													X			
Cape Blanco	NK10-04	6921				X				X				X				X
Cape Blanco	NK10-04	6922	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6923	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6924	X				X	X			X	X			X	X	X	
Cape Blanco	NK10-04	6971				X				X				X				X
Cape Blanco	NK10-04	6972	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6973	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	6974	X	X	X		X	X	X		X	X	X		X	X	X	X
Cape Blanco	NK10-04	7021				X				X				X				X
Cape Blanco	NK10-04	7022	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7023	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7024	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7071				X				X				X				X
Cape Blanco	NK10-04	7072	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7073	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7074	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Cape Blanco	NK10-04	7075					X				X				X	X		
Cape Blanco	NK10-04	7121				X												
Cape Blanco	NK10-04	7122	X	X	X	X												
Cape Blanco	NK10-04	7123	X	X	X	X		X	X	X								
Cape Blanco	NK10-04	7124	X	X	X	X	X	X	X	X								
Cape Blanco	NK10-04	7125	X	X			X	X	X									

5. NOMINATION - COOS BAY A

Avangrid Renewables presents nomination area Coos Bay A to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 5-1 below.

TABLE 5-1 NOMINATION – COOS BAY A

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
A	Coos Bay	87,890	1.9

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 5-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 5-2 below. In addition, the nomination for the Coos Bay A area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 5-1 NOMINATION – COOS BAY A MAP

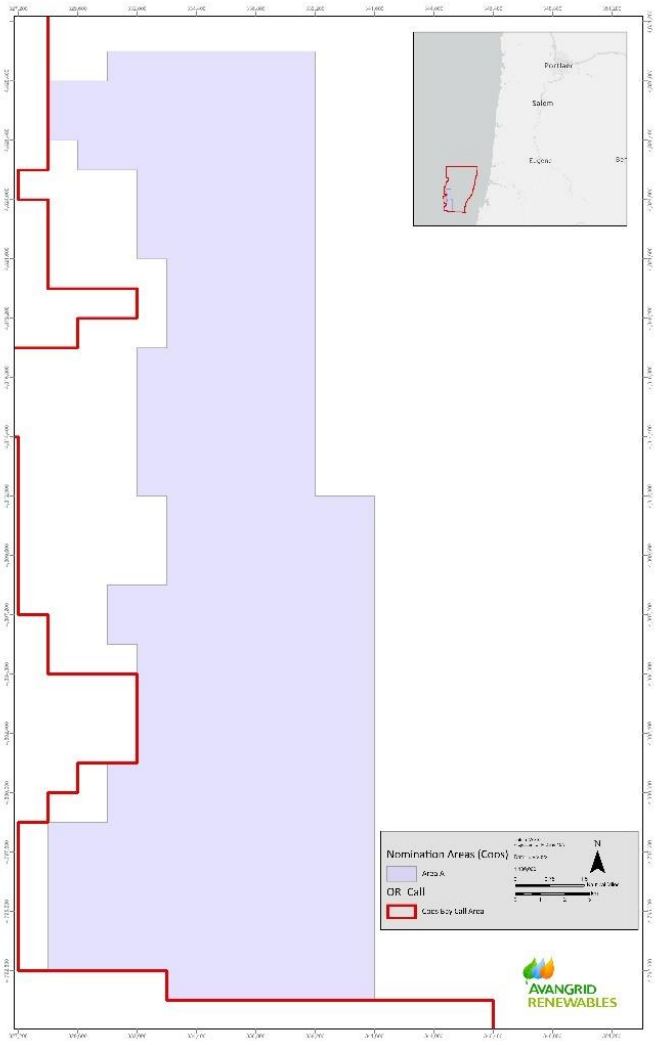

TABLE 5-2 NOMINATION – COOS BAY A PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6367																X
Coos Bay	NK10-01	6368													X	X	X	X
Coos Bay	NK10-01	6369													X	X		
Coos Bay	NK10-01	6417		X	X	X		X	X	X			X	X				
Coos Bay	NK10-01	6418	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6419	X	X			X	X			X	X			X	X		
Coos Bay	NK10-01	6468	X	X	X	X	X	X	X	X		X	X	X		X	X	X
Coos Bay	NK10-01	6469	X	X			X	X			X	X			X	X		
Coos Bay	NK10-01	6518		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6519	X	X			X	X			X	X			X	X		
Coos Bay	NK10-01	6568	X	X	X	X	X	X	X	X		X	X	X		X	X	X
Coos Bay	NK10-01	6569	X	X			X	X			X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6617								X				X				
Coos Bay	NK10-01	6618		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6619	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6667																X
Coos Bay	NK10-01	6668	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6669	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6717				X		X	X	X		X	X	X		X	X	X
Coos Bay	NK10-01	6718	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6719	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6767		X	X	X		X	X	X								
Coos Bay	NK10-01	6768	X	X	X	X	X	X	X	X		X	X	X				
Coos Bay	NK10-01	6769	X	X	X	X	X	X	X	X	X	X	X	X				

6. NOMINATION - COOS BAY B

Avangrid Renewables presents nomination area Coos Bay B to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 6-1 below.

TABLE 6-1 NOMINATION – COOS BAY B

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
B	Coos Bay	88,958	1.9

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 6-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 6-2 below. In addition, the nomination for the Coos Bay B area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 6-1 NOMINATION – COOS BAY B MAP

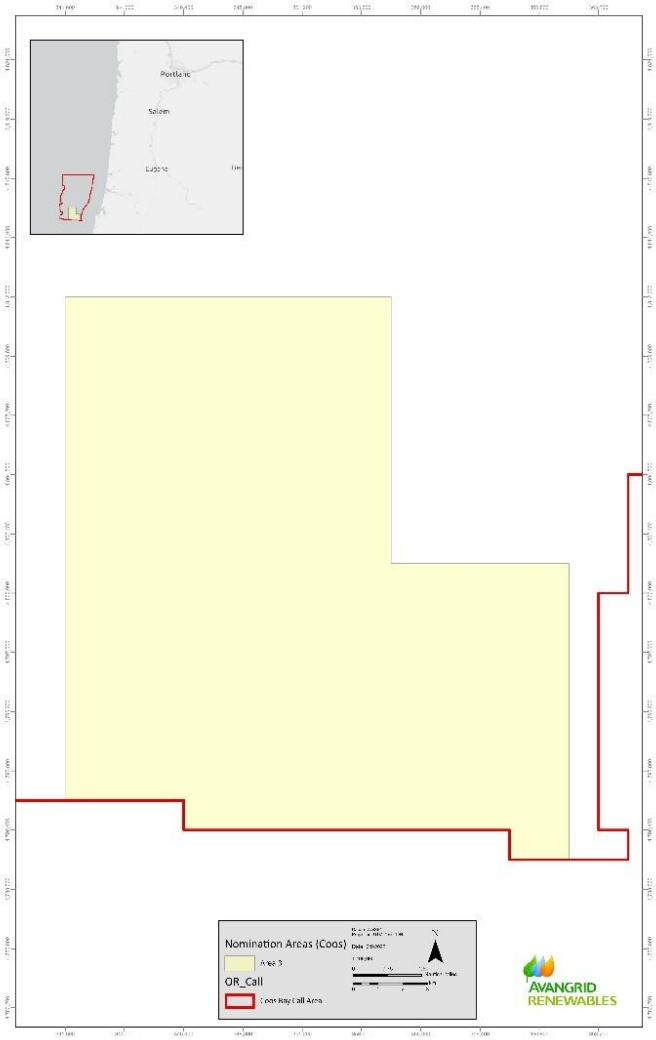

TABLE 6-2 NOMINATION – COOS BAY B PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6570									X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6571									X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6572									X	X	X		X	X	X	
Coos Bay	NK10-01	6620	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6621	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6622	X	X	X		X	X	X		X	X	X		X	X	X	
Coos Bay	NK10-01	6670	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6671	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6672	X	X	X		X	X	X		X	X	X		X	X	X	X
Coos Bay	NK10-01	6673													X	X	X	X
Coos Bay	NK10-01	6674													X			
Coos Bay	NK10-01	6720	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6721	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6722	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6723	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6724	X				X				X				X			
Coos Bay	NK10-01	6770	X	X	X	X	X	X	X	X	X	X	X	X				
Coos Bay	NK10-01	6771	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6772	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6773	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6774	X				X				X				X			
Coos Bay	NK10-01	6823				X												
Coos Bay	NK10-01	6824	X															

7. NOMINATION - COOS BAY C

Avangrid Renewables presents nomination area Coos Bay C to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 7-1 below.

TABLE 7-1 NOMINATION – COOS BAY C

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
C	Coos Bay	90,737	2.2

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 7-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 7-2 below. In addition, the nomination for the Coos Bay C area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 7-1 NOMINATION – COOS BAY C MAP

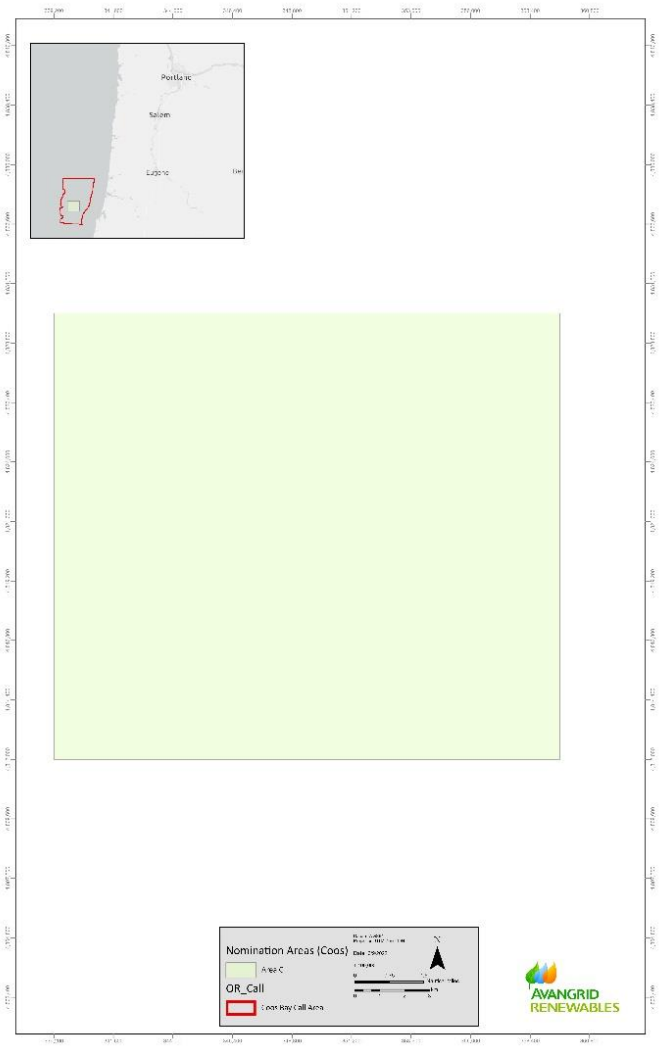

TABLE 7-2 NOMINATION – COOS BAY C PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6369															X	X
Coos Bay	NK10-01	6370													X	X	X	X
Coos Bay	NK10-01	6371													X	X	X	X
Coos Bay	NK10-01	6372													X	X	X	X
Coos Bay	NK10-01	6373													X	X	X	
Coos Bay	NK10-01	6419			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6420	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6421	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6422	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6423	X	X	X		X	X	X		X	X	X		X	X	X	
Coos Bay	NK10-01	6469			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6470	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6471	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6472	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6473	X	X	X		X	X	X		X	X	X		X	X	X	
Coos Bay	NK10-01	6519			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6520	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6521	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6522	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6523	X	X	X		X	X	X		X	X	X		X	X	X	
Coos Bay	NK10-01	6569			X	X			X	X								
Coos Bay	NK10-01	6570	X	X	X	X	X	X	X	X								
Coos Bay	NK10-01	6571	X	X	X	X	X	X	X	X								
Coos Bay	NK10-01	6572	X	X	X	X	X	X	X	X								
Coos Bay	NK10-01	6573	X	X	X		X	X	X									

8. NOMINATION - COOS BAY D

Avangrid Renewables presents nomination area Coos Bay D to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 8-1 below.

TABLE 8-1 NOMINATION – COOS BAY D

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
D	Coos Bay	83,620	1.8

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 8-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 8-2 below. In addition, the nomination for the Coos Bay D area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 8-1 NOMINATION – COOS BAY D MAP

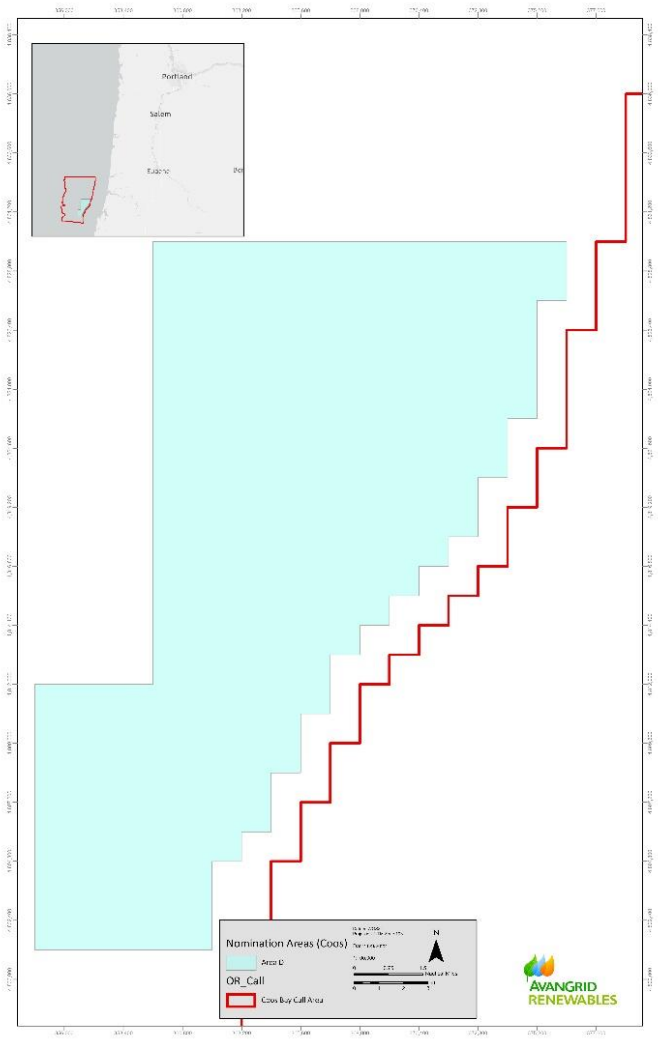

TABLE 8-2 NOMINATION – COOS BAY D PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6373																X
Coos Bay	NK10-01	6374													X	X	X	X
Coos Bay	NK10-01	6375													X	X	X	X
Coos Bay	NK10-01	6376													X	X	X	X
Coos Bay	NK10-01	6377													X			
Coos Bay	NK10-01	6423				X				X				X				X
Coos Bay	NK10-01	6424	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6425	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6426	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6427	X															
Coos Bay	NK10-01	6473				X				X				X				X
Coos Bay	NK10-01	6474	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6475	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6476	X	X	X	X	X	X	X		X	X	X		X	X		
Coos Bay	NK10-01	6523				X				X				X				X
Coos Bay	NK10-01	6524	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6525	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Coos Bay	NK10-01	6526	X	X			X											
Coos Bay	NK10-01	6572												X				X
Coos Bay	NK10-01	6573				X				X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6574	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6575	X	X			X				X							
Coos Bay	NK10-01	6622				X				X				X				X
Coos Bay	NK10-01	6623	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6624	X	X	X	X	X	X	X		X	X	X		X	X		
Coos Bay	NK10-01	6672				X				X				X				
Coos Bay	NK10-01	6673	X	X	X	X	X	X	X	X	X	X	X	X				
Coos Bay	NK10-01	6674	X				X				X							

9. NOMINATION - COOS BAY E

Avangrid Renewables presents nomination area Coos Bay E to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 9-1 below.

TABLE 9-1 NOMINATION – COOS BAY E

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
E	Coos Bay	99,989	2.2

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 9-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 9-2 below. In addition, the nomination for the Coos Bay E area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 9-1 NOMINATION – COOS BAY E MAP

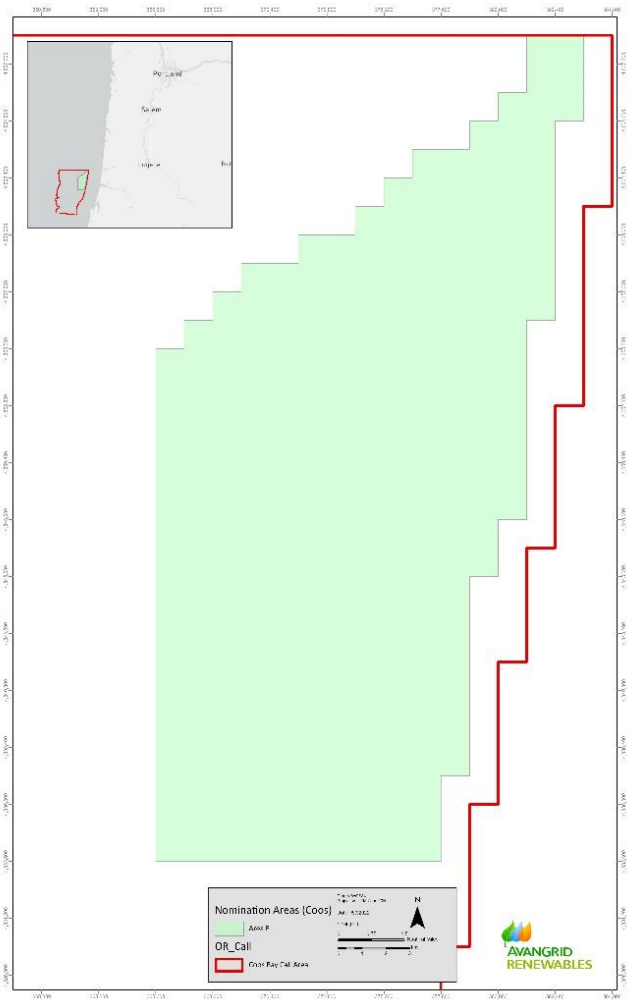

TABLE 9-2 NOMINATION – COOS BAY E PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6027												X		X	X	X
Coos Bay	NK10-01	6028		X	X		X	X	X		X	X			X	X		
Coos Bay	NK10-01	6075																X
Coos Bay	NK10-01	6076								X		X	X	X	X	X	X	X
Coos Bay	NK10-01	6077	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6078	X	X			X	X			X	X			X	X		
Coos Bay	NK10-01	6125			X	X		X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6126	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6127	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6128	X	X			X				X				X			
Coos Bay	NK10-01	6175	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6176	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6177	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6178	X				X				X				X			
Coos Bay	NK10-01	6225	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6226	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6227	X	X	X	X	X	X	X	X	X	X	X		X	X	X	
Coos Bay	NK10-01	6275	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6276	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6277	X	X	X		X	X	X		X	X	X		X	X	X	
Coos Bay	NK10-01	6325	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6326	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6327	X	X	X		X	X			X	X			X	X		
Newport Valley	NL10-10	7177														X	X	

10. NOMINATION - COOS BAY F

Avangrid Renewables presents nomination area Coos Bay F to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 10-1 below.

TABLE 10-1 NOMINATION – COOS BAY F

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
F	Coos Bay	98,921	2.3

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 10-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 10-2 below. In addition, the nomination for the Coos Bay F area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 10-1 NOMINATION – COOS BAY F MAP

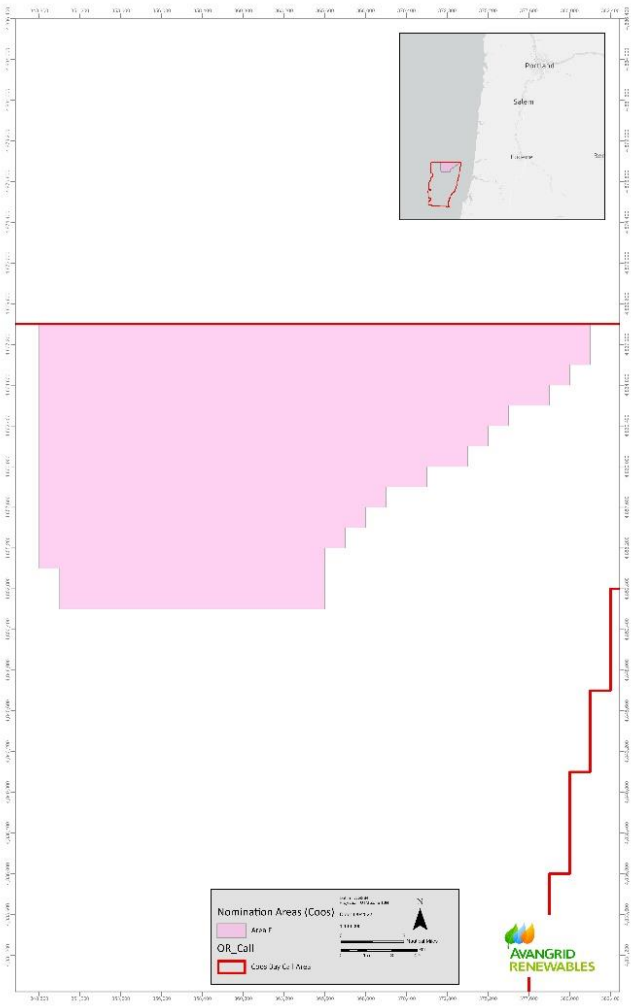

TABLE 10-2 NOMINATION – COOS BAY F PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6021			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6022	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6023	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6024	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6025	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6026	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6027	X	X	X	X	X	X	X	X	X	X	X		X			
Coos Bay	NK10-01	6028	X															
Coos Bay	NK10-01	6071			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6072	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6073	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6074	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6075	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Coos Bay	NK10-01	6076	X	X	X	X	X	X	X		X							
Coos Bay	NK10-01	6121			X	X			X	X			X	X				X
Coos Bay	NK10-01	6122	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6123	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6124	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6125	X	X			X											
Coos Bay	NK10-01	6171				X												
Coos Bay	NK10-01	6172	X	X	X	X												
Coos Bay	NK10-01	6173	X	X	X	X												
Coos Bay	NK10-01	6174	X	X	X	X												
Newport Valley	NL10-10	7170															X	X
Newport Valley	NL10-10	7171													X	X	X	X
Newport Valley	NL10-10	7172													X	X	X	X
Newport Valley	NL10-10	7173													X	X	X	X

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Newport Valley	NL10-10	7174													X	X	X	X
Newport Valley	NL10-10	7175													X	X	X	X
Newport Valley	NL10-10	7176													X	X	X	X
Newport Valley	NL10-10	7177													X			

11. NOMINATION - COOS BAY G

Avangrid Renewables presents nomination area Coos Bay G to advance in evaluation of future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 11-1 below.

TABLE 11-1 NOMINATION – COOS BAY G

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
G	Coos Bay	99,633	2.3

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 11-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 11-2 below. In addition, the nomination for the Coos Bay G area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 11-1 NOMINATION – COOS BAY G MAP

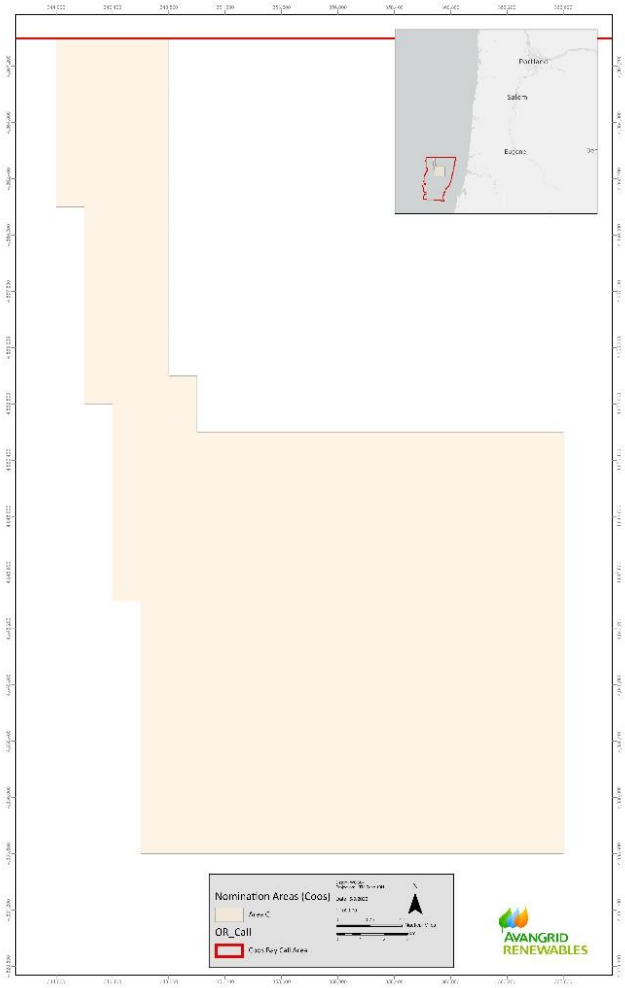

TABLE 11-2 NOMINATION – COOS BAY G PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6020			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6021	X	X			X	X			X	X			X	X		
Coos Bay	NK10-01	6070			X	X				X				X				X
Coos Bay	NK10-01	6071	X	X			X	X			X	X			X	X		
Coos Bay	NK10-01	6120				X				X				X				X
Coos Bay	NK10-01	6121	X	X			X	X			X	X			X	X	X	
Coos Bay	NK10-01	6171	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6172					X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6173					X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6174					X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6221	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X
Coos Bay	NK10-01	6222	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6223	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6224	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6271		X	X	X		X	X	X		X	X	X		X	X	X
Coos Bay	NK10-01	6272	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6273	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6274	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6321		X	X	X		X	X	X		X	X	X		X	X	X
Coos Bay	NK10-01	6322	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6323	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6324	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Newport Valley	NL10-10	7169															X	X
Newport Valley	NL10-10	7170													X	X		

12. NOMINATION - COOS BAY H

Avangrid Renewables presents nomination area Coos Bay H to advance in evaluation future commercial leasing opportunities in federal waters off the coast of Oregon as seen in Table 12-1 below.

TABLE 12-1 NOMINATION – COOS BAY H

Area Nomination	Call Area	Approximate Area (acres)	Potential Capacity (GW)
H	Coos Bay	86,467	1.9

After technical, developmental, and commercial assessment, Avangrid Renewables nominates the below area described in Figure 12-1 which would fit the lease area size and site characterization for a future commercial scale offshore wind project. The area of interest protraction analysis is presented in Table 12-2 below. In addition, the nomination for the Coos Bay H area as a spatial file compatible with ArcGIS 10.8.1 is included with this submission.

FIGURE 12-1 NOMINATION – COOS BAY H MAP

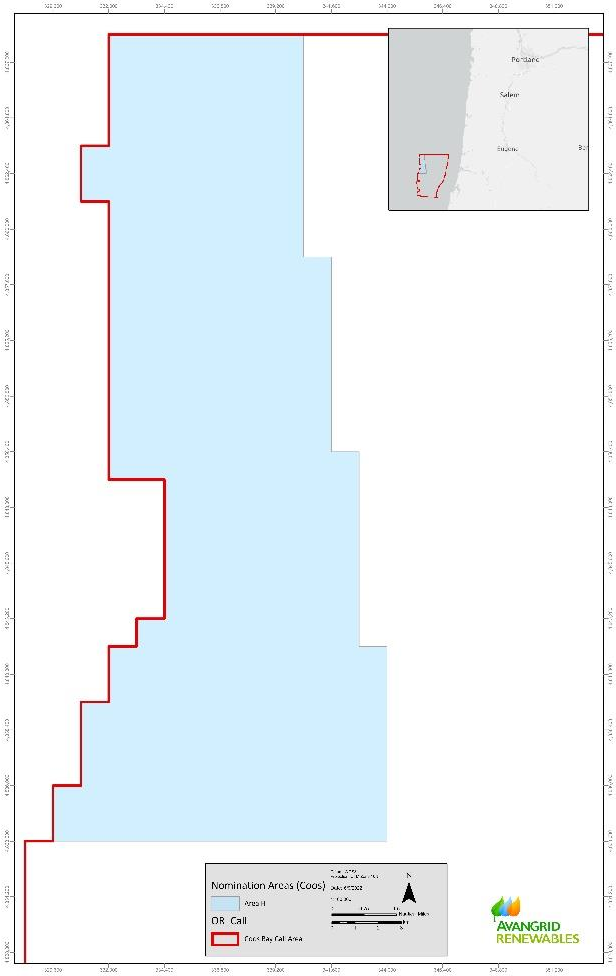

TABLE 12-2 NOMINATION – COOS BAY H PROTRACTION

Protraction Name	Protraction No.	Block No.	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
Coos Bay	NK10-01	6017																X
Coos Bay	NK10-01	6018	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6019	X	X	X		X	X	X		X	X	X		X	X	X	
Coos Bay	NK10-01	6067				X												
Coos Bay	NK10-01	6068	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6069	X	X	X		X	X	X		X	X	X		X	X	X	X
Coos Bay	NK10-01	6118	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6119	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6168	X	X	X	X	X	X	X	X	X	X	X	X			X	X
Coos Bay	NK10-01	6169	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6170									X				X			
Coos Bay	NK10-01	6218			X	X			X	X			X	X			X	X
Coos Bay	NK10-01	6219	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6220	X				X				X				X			
Coos Bay	NK10-01	6267																X
Coos Bay	NK10-01	6268		X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6269	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6270	X				X	X			X	X			X	X		
Coos Bay	NK10-01	6317				X				X			X	X			X	X
Coos Bay	NK10-01	6318	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6319	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Coos Bay	NK10-01	6320	X	X			X	X			X	X			X	X		
Newport Valley	NL10-10	7167													X	X	X	X
Newport Valley	NL10-10	7168													X	X	X	