MAINSTREAM RENEWABLE POWER

Re: [Docket No. BOEM-2022-0090] Qualifications and Nominations for Commercial Leasing for Wind Energy Development on the Outer Continental Shelf Offshore Oregon - REDACTED

24th of June, 2022

Bureau of Ocean Energy Management

Office of Strategic Resources

760 Paseo Camarillo (Suite 102)

Camarillo, California 93010

Dear Sir or Madam,

Re: [Docket No. BOEM-2022-0090] Qualifications and Nominations for Commercial Leasing for Wind Energy Development on the Outer Continental Shelf Offshore Oregon

Mainstream Renewable Power, as a global developer of renewable energy, is pleased to submit its qualifications for commercial wind energy leases in the upcoming and future Gulf of Maine Call Areas.

Mainstream's mission is to lead the global transition to renewable energy by delivering cost effective utility scale renewable energy to customers and governments through a set of cohesive company values.

This document contains confidential information, which we do not regard as suitable for public release. A redacted version of these comments has been submitted separately.

If you have any questions or need any additional information, please contact:

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Sincerely,

_____

Paula Major

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1. Introduction

Mainstream Renewable Power ("Mainstream") is very pleased to provide a response to the Bureau of Ocean Energy Management's ("BOEM") Call for Information and Nominations for commercial leasing for wind energy development offshore Oregon.

Mainstream applauds the efforts made by BOEM as well as the state of Oregon to establish an offshore wind market on the southern coast of the United States and very much welcome the opportunity to be part of this growth.

In accordance with the Required Qualification Information, Mainstream has included the following information:

- Documentation demonstrating that Mainstream is technically qualified to hold a lease
- Documentation demonstrating that Mainstream is financially qualified to hold a lease

Please note that Mainstream is legally qualified to hold a lease in the Outer Continental Shelf and is registered with BOEM under Company Number 15089.

1.1. Background on Mainstream

Mainstream Renewable Power is a leading pure-play renewable energy company, with wind and solar assets across global markets, including in Latin America, Africa, and Asia-Pacific. Mainstream is one of the most successful developers of gigawatt-scale renewables platforms, across onshore wind, offshore wind, and solar power generation. It has successfully delivered 6.5 GW of wind and solar generation assets to financial close-ready.

In May 2021, Aker Horizons acquired a 75% equity stake in the company, accelerating its plans to deliver its high-quality pipeline of over 16 gigawatts of renewable energy. In March 2022, Mitsui & Co., Ltd., joined Aker Horizon's as a long-term strategic investor, agreeing to invest EUR 575 million in Mainstream as well as taking a long-term active role in the growth of the Company.

Our mission is to work in collaboration with strategic partners and local communities to accelerate progress towards a sustainable future and a low carbon economy. Through our innovative approach to development, Mainstream has forged a reputation as a company that goes beyond the traditional role of project developer.

Mainstream is a world leader in the development of large-scale offshore wind projects. In Europe, the company has developed and consented the Hornsea One project and developed Hornsea Two totalling 2.6 GW in England. Mainstream also consented the 450 MW Neart na Gaoithe ("NnG") offshore wind project in Scotland. These projects represent approximately 20% of the UK's offshore wind capacity either in operation or under construction.

Mainstream also has a strong onshore track record. We are the market leader in Chile with a development pipeline of over 3 GW and 1.4 GW of wind and solar projects under construction. In South Africa we have been awarded 2.1 GW through the renewable energy independent power producer programme and have

delivered 842 MW of wind and solar projects into commercial operation. In Vietnam, Mainstream, together with the Phu Cuong Group, is currently developing the 1.4 GW Phu Cuong Soc Trang offshore wind farm, which is set to be one of the largest offshore wind farms in Southeast Asia.

Figure 1. Mainstream's values

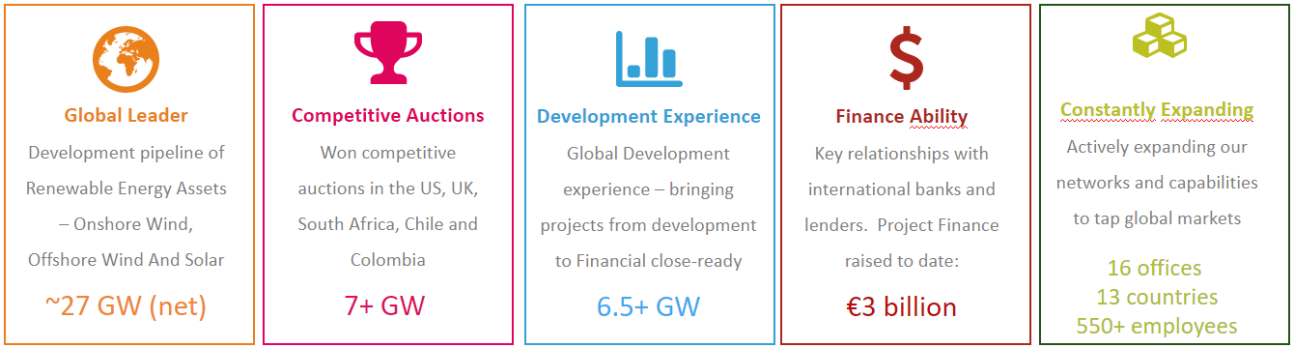
2. Technical Capabilities

Redacted

Mainstream's track record, described in detail below, shows that it is technically capable to develop, construct, operate and maintain an offshore windfarm, Figure 2 provides a brief visual summary.

This section is divided in two parts, the first highlights Mainstream's key personnel who will directly be involved in the offshore windfarm and the second shows current and prior projects.

Figure 2: A snapshot of Mainstream's track record and capabilities



2.1. Key Personnel

Redacted

2.2. Prior and current projects

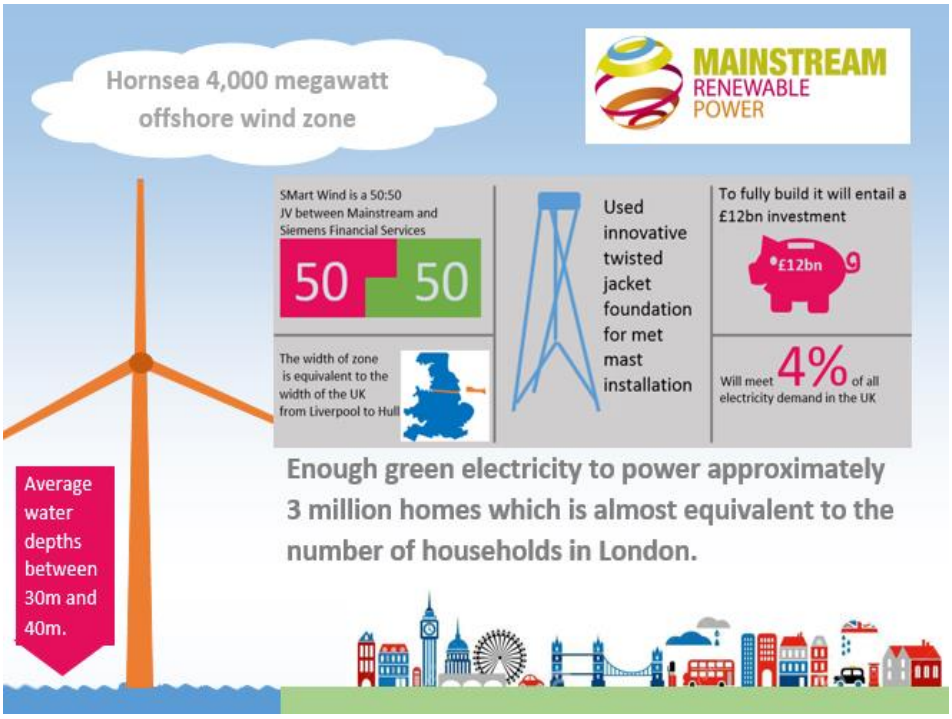
Redacted

Mainstream has vast development experience in both onshore and offshore wind development. The Mainstream and Aker Offshore Wind combined offshore track record includes eight projects with a combined capacity of over 10.8GW, these projects are discussed in more detail below.

2.2.1. England – 3,000MW Hornsea

In 2009 Mainstream entered a 50/50 joint venture with Siemens Project Ventures to form SMart Wind. SMart successfully bid for and then developed the 3,000MW Hornsea Offshore Wind Zone in the UK North Sea as part of The Crown Estate's licensing round for large-scale offshore wind projects (Round 3).

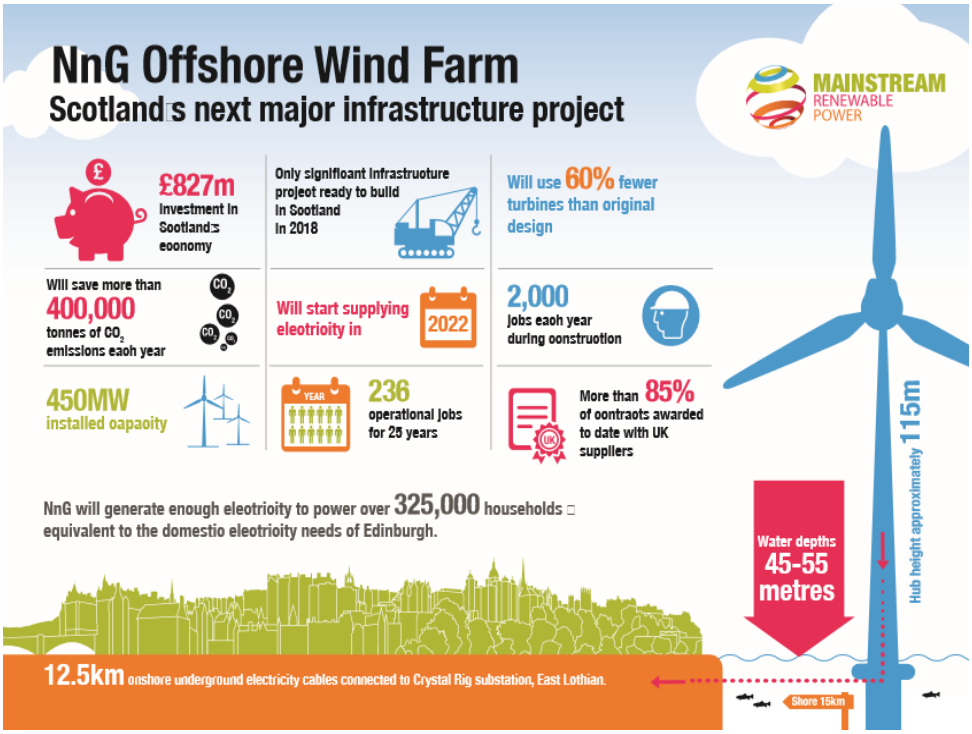
Figure 3: Hornsea offshore windfarm quick facts



2.2.2. Scotland – 450MW Neart na Gaoithe

The NnG offshore wind farm is located some 15.5 km off the Fife coast and covers an area of approximately 105 km^2. Mainstream won the exclusive right to develop the NnG (Gaelic for 'Strength of the Wind') project as part of a competitive bidding process run by The Crown Estate in February 2009.

Figure 4: NnG offshore windfarm quick facts



2.3. Legal action

Mainstream has not had any adverse legal or regulatory action taken against it in the last 5 years.

3. Financial Capabilities

Redacted

3.1. Years in operation

Mainstream was founded in 2008 and the multi-disciplinary team has over 1,100 years of industry experience. Mainstream's in-house teams take projects through all stages of development, financing, construction, and operations.

Our in-house capabilities include:

Safety and health	Energy analysis	Corporate finance
Corporate affairs	Project management	Operations & maintenance
Power plant optimisation	Civil engineering	Procurement & contracts
Power sales	Construction management	Planning & consents
GIS mapping	Power transmission	Environmental management

3.2. Company profile

Vision and mission

Mainstream's mission is to lead the global transition to renewable energy. While it is no small ambition, our vision of a world without fossil fuels is already evolving and transforming the way we live. Our part to play in that transition is to deliver cost effective utility scale renewable energy to customers and governments through our set of cohesive company values. These values are the cornerstone of everything we do:

Integrity. Safety. Innovation. Sustainability. Teamwork. Entrepreneurial approach. Respect.

Our values provide a clear foundation for the Mainstream Global Development Standard, and every aspect of delivery from development through construction and operation. Our global policies on Health and Safety, Quality and Environment are deeply embedded across our business. Teamwork, Innovation, and an Entrepreneurial Approach are key to effective problem solving. Respect and Integrity are at the very core of our development approach and are the basis for the comprehensive global Community Charter for interaction with the communities neighboring our projects throughout the lifetime of our projects.

4. Proposed Nomination Areas

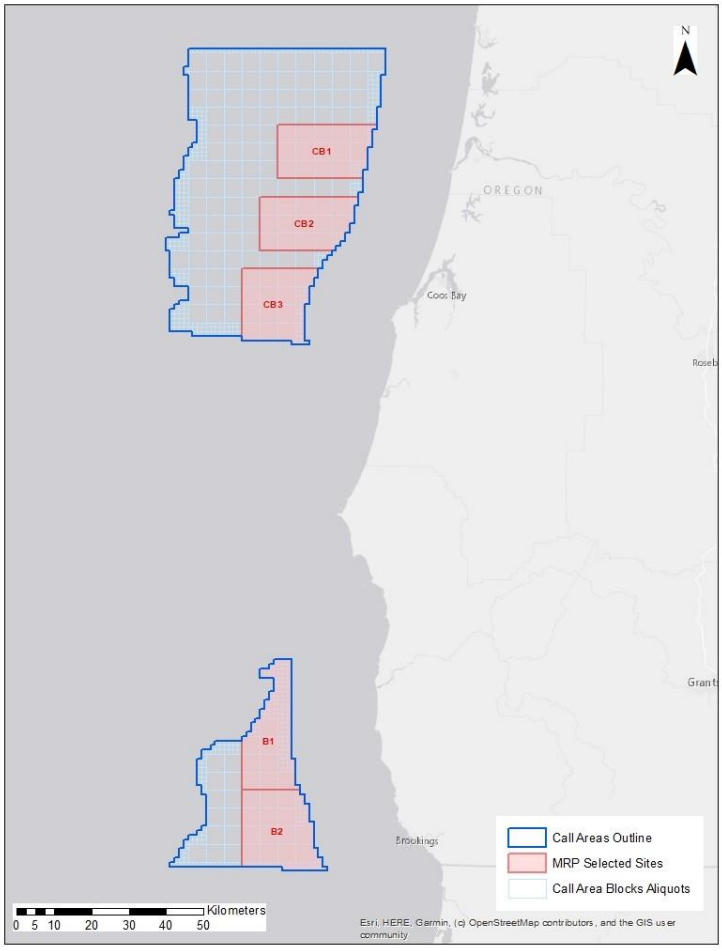
Contains confidential information

Following an extensive analysis of the entire Brookings and Coos Bay Call Areas, Mainstream is expressing interest in both call areas. Lists of protraction numbers, block numbers and sub block numbers are listed in Sections 4.1 and 4.2 below. For an overview of these areas, please refer to Table 1 and Figure 5.

Table 1. Summary of Nominations

BOEM Call Area	Nominated Area (Acres)
Brookings Call Area	186,456
Coos Bay Call Area	258,690

Figure 5. Mainstream Nominated Areas in Oregon



4.1. Nominations in Brookings Call Area

1. Nomination Description

The nominated areas are approximately 186,456 acres in total. Based on our site characterization analysis, Mainstream nominates two areas as represented in Table 2.

Table 2: Identification of Extensions OCS Lease Blocks of Interest in the Brookings Call Area

Mainstream Lease Area Nomination	BOEM Protraction Name	BOEM Protraction Number	Block Number	Sub Block(s)
Brookings 1	Brookings Call Area	NK10-04	6874	m
	Brookings Call Area	NK10-04	6823	a-p
	Brookings Call Area	NK10-04	6773	a-o
	Brookings Call Area	NK10-04	6723	a-c, e-g, i-k, m-o
	Brookings Call Area	NK10-04	6721	d, g-h, k-l, n-p
	Brookings Call Area	NK10-04	6673	a-c, e-g, i-k, m-o
	Brookings Call Area	NK10-04	6672	b-d, f-h, i-l, m-p
	Brookings Call Area	NK10-04	6623	a-c, e-g, i-k, m-o
	Brookings Call Area	NK10-04	6622	d, h, k-l, o-p
	Brookings Call Area	NK10-04	6573	a-c, e-g, i-k, m-o
	Brookings Call Area	NK10-04	6572	c-l, p
	Brookings Call Area	NK10-04	6871	
	Brookings Call Area	NK10-04	6872	
	Brookings Call Area	NK10-04	6873	
	Brookings Call Area	NK10-04	6822	
	Brookings Call Area	NK10-04	6821	
	Brookings Call Area	NK10-04	6772	

	Brookings Call Area	NK10-04	6771	
	Brookings Call Area	NK10-04	6722	
Brookings 2	Brookings Call Area	NK10-04	7125	a-b, e-g
	Brookings Call Area	NK10-04	7124	a-h
	Brookings Call Area	NK10-04	7123	a-d, f-h
	Brookings Call Area	NK10-04	7122	a-d
	Brookings Call Area	NK10-04	7121	a-d
	Brookings Call Area	NK10-04	7075	e, I, m-n
	Brookings Call Area	NK10-04	6974	a-g, i-k, m-p
	Brookings Call Area	NK10-04	6924	a, e-f, i-j, m-o
	Brookings Call Area	NK10-04	7074	
	Brookings Call Area	NK10-04	7073	
	Brookings Call Area	NK10-04	7072	
	Brookings Call Area	NK10-04	7071	
	Brookings Call Area	NK10-04	7024	
	Brookings Call Area	NK10-04	7023	
	Brookings Call Area	NK10-04	7022	
	Brookings Call Area	NK10-04	7021	
	Brookings Call Area	NK10-04	6973	
	Brookings Call Area	NK10-04	6972	
	Brookings Call Area	NK10-04	6971	
	Brookings Call Area	NK10-04	6923	
	Brookings Call Area	NK10-04	6922	
	Brookings Call Area	NK10-04	6921	

4.2. Nomination in Coos Bay Call Area

2. Nomination Description

The nominated areas are approximately 258,690 acres in total. Based on our site characterization analysis, Mainstream nominates three areas as represented in Table 3.

Table 3. Identification of Extensions OCS Lease Blocks of Interest in the Coos Bay Call Area

Mainstream Lease Area Nomination	BOEM Protraction Name	BOEM Protraction Number	Block Number	Sub Block(s)
Coos Bay 1	Coos Bay Call Area	NK10-01	6327	a-k, m-o
	Coos Bay Call Area	NK10-01	6278	a
	Coos Bay Call Area	NK10-01	6228	a-b, e, i, m
	Coos Bay Call Area	NK10-01	6326	
	Coos Bay Call Area	NK10-01	6325	
	Coos Bay Call Area	NK10-01	6324	
	Coos Bay Call Area	NK10-01	6323	
	Coos Bay Call Area	NK10-01	6277	
	Coos Bay Call Area	NK10-01	6276	
	Coos Bay Call Area	NK10-01	6275	
	Coos Bay Call Area	NK10-01	6274	
	Coos Bay Call Area	NK10-01	6273	
	Coos Bay Call Area	NK10-01	6227	
	Coos Bay Call Area	NK10-01	6226	
	Coos Bay Call Area	NK10-01	6225	
	Coos Bay Call Area	NK10-01	6224	
	Coos Bay Call Area	NK10-01	6223	
Coos Bay 2	Coos Bay Call Area	NK10-01	6526	a-c, e-g, i-j, m
	Coos Bay Call Area	NK10-01	6477	a, e
	Coos Bay Call Area	NK10-01	6427	a-b, e-f, i, m

	Coos Bay Call Area	NK10-01	6525	
	Coos Bay Call Area	NK10-01	6524	
	Coos Bay Call Area	NK10-01	6523	
	Coos Bay Call Area	NK10-01	6522	
	Coos Bay Call Area	NK10-01	6476	
	Coos Bay Call Area	NK10-01	6475	
	Coos Bay Call Area	NK10-01	6474	
	Coos Bay Call Area	NK10-01	6473	
	Coos Bay Call Area	NK10-01	6472	
	Coos Bay Call Area	NK10-01	6426	
	Coos Bay Call Area	NK10-01	6425	
	Coos Bay Call Area	NK10-01	6424	
	Coos Bay Call Area	NK10-01	6423	
	Coos Bay Call Area	NK10-01	6422	
Coos Bay 3	Coos Bay Call Area	NK10-01	6824	a-c
	Coos Bay Call Area	NK10-01	6823	d
	Coos Bay Call Area	NK10-01	6774	a-b, e-f, i-j, m-n
	Coos Bay Call Area	NK10-01	6724	a-b, e-f, i-j, m-n
	Coos Bay Call Area	NK10-01	6674	a-g, i-k, m-o
	Coos Bay Call Area	NK10-01	6625	a, e
	Coos Bay Call Area	NK10-01	6773	
	Coos Bay Call Area	NK10-01	6772	
	Coos Bay Call Area	NK10-01	6771	
	Coos Bay Call Area	NK10-01	6723	
	Coos Bay Call Area	NK10-01	6722	
	Coos Bay Call Area	NK10-01	6721	
	Coos Bay Call Area	NK10-01	6673	
	Coos Bay Call Area	NK10-01	6672	

	Coos Bay Call Area	**NK10-01**	**6671**	
	Coos Bay Call Area	**NK10-01**	**6624**	
	Coos Bay Call Area	**NK10-01**	**6623**	
	Coos Bay Call Area	**NK10-01**	**6622**	
	Coos Bay Call Area	**NK10-01**	**6621**	

5. Objectives and Facilities

Redacted

Please note, the information contained in this section applies to the potential development of projects in both the Brookings and Coos Bay Call Areas.

Mainstream's objective is to develop a floating offshore wind energy project capable of producing at least 1GW, to assist with the energy needs of Oregon.

Mainstream Renewable Power is a global renewable energy company with over 17 GW in wind and solar assets. Our unique vision to electrify the world with renewable energy has driven our growth across five continents. The company is firmly on track to becoming a global pure-play renewable energy major and is focused on expanding its current development portfolio of over 15 GW with plans to bring 5.5 GW to financial close by 2023.

Mainstream is a leading developer of offshore wind at scale globally and since 2008 has developed over 3 GW of projects in Europe, including Hornsea One and Hornsea Two in England and Neart na Gaoithe in Scotland. These projects represent 20% of the UK's offshore wind capacity either in operation or under construction. Mainstream's Centre of Excellence for Offshore Wind is focused on de-risking the best development sites, identifying the best partners for growth and innovating to deliver best value. In the US, we are currently focused on drawing on our experience in Europe and Asia to support the country's goals to implement 30 GW of new offshore capacity by 2030. The water depths at the nominated areas will require floating wind. In the sections below, Mainstream will describe the facilities that the company would use to build a floating wind project in the nominated areas off the coast of Oregon.

5.1. Wind Turbine Generator

Redacted

5.2. Foundations

Redacted

5.3. Interconnection

Redacted

5.4. Ports and Logistics

Redacted

5.5. O&M Strategy

Redacted

5.6. Schedule

Redacted

5.7. Renewable Energy Resources and Environmental Conditions

Redacted

6. Abbreviations

Abbreviations	
BOEM	Bureau of Ocean Energy Management
CT Company	Corporation Trust Company
CTV	Crew Transfer Vessels
DoD	Department of Defense
EPC	Engineering, Procurement & Construction
ESA	Endangered Species Act
GIS	Geographic Information System
GW	Gigawatt
Km	Kilometer
Mainstream	Mainstream Renewable Power
MSL	Mean Sea Level
MW	Megawatt
NnG	Neart na Gaoithe

OCS	Outer Continental Shelf
O&M	Operations and Maintenance
SOV	Service Operations Vessel
TLPs	Tension Leg Platforms
US	United States
USCG	United States Coast Guard
WTGs	Wind Turbine Generators