

Progress Report OCS-A 0545: TotalEnergies Renewables USA, LLC

Time Period Covered 12/01/2022 - 05/31/2023

Original Submission Date 06/01/2023

Version

Prepared Pursuant to Lease Addendum C Section 3

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TotalEnergies ID: OWUS-CLB-2022-6

Executive Summary

TotalEnergies Renewables USA, LLC ("TotalEnergies"), has developed this Progress Report ("Report") to comply with lease Addendum C Section 3.1 and is organized by audience-specific and activity-related sections: Section 2.0, Tribal Engagement, Section 3.0, Engagement with Potentially Affected Parties, and Section 4.0, Survey Plan Activities. The progress reports document ongoing engagement activities from the early stages of project development and foster transparency in the process.

TotalEnergies and Duke Energy Renewables Wind, LLC (DER), owner of the adjacent Lease Area OCS-A 0546 – Duke Energy Renewables Wind, LLC, have agreed to hold joint outreach meetings when possible as the projects advance per lease stipulation 3.1.3.

Overview of actions since last Progress Report:

- TotalEnergies and DER held several interagency meetings and several individual agency discussions for project updates and to share upcoming survey activities.
- TotalEnergies and DER submitted a joint Survey Plan for high resolution geophysical surveys at proposed buoy deployment locations the Survey Plan is currently under review by BOEM and survey activities are planned to begin in Summer 2023.
- TotalEnergies engaged with various industry groups including American Clean Power Association, Business Network for Offshore Wind, Southeastern Wind Coalition, and the North Carolina Sustainable Energy Association.
- TotalEnergies and DER submitted a joint Native American Tribes Engagement Plan (NATCP) to BOEM. The NATCP was also shared with federally recognized Tribes and state recognized tribes with Tribal meetings held to introduce the projects, review the NATCP draft and review planned 2023 survey activities.
- TotalEnergies requested, and was granted, a 12-month extension of the preliminary term for Lease Area OCS-A 0545 TotalEnergies Renewables USA, LLC.

TotalEnergies has continued to build and expand its team for the Carolina Long Bay Project, with a Fisheries Liaison starting in January 2023 and an Engagement & Communications Director starting in March 2023. During this time, TotalEnergies and DER have strengthened their collaboration – with the decision to carry out joint buoy deployment surveys and to prepare a joint Site Assessment Plan (SAP) for submittal to BOEM.

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Acronyms and Abbreviations

Acronym/abbreviation	Definition
ACP	Agency Communications Plan
BOEM	Bureau of Ocean Energy Management
CC	Coastal Community
CFish	Commercial Fishery Industry
CSSF	Coastal States Stewardship Foundation
DER	Duke Energy Renewables Wind. LLC
ERI	Educational and Research Institutions
FAA	Federal Aviation Administration
FCP	Fisheries Communications Plan
FA	Federal Agency
fishing communities	commercial and recreational fishing industries; tribal subsistence fishers
HDD	horizontal directional drilling
HVAC	high voltage alternating current
HVDC	High voltage direct current
Lease Area	Lease Area OCS-A 0545
LA	Local Agency
M	Maritime Industry/Mariners
MARCO	Mid-Atlantic Regional Council on the Ocean
NAGPRA	Native American Graves Protection and Repatriation Act
NATCP	Native American Tribes Communications Plan
NCDEQ	North Carolina Department of Environmental Quality
NCDHHS	North Carolina Department of Health and Human Services,
NCDOA	North Carolina Department of Administration
NCDOC	North Carolina Department of Commerce
NCDOL	North Carolina Department of Labor
NC TOWERS	North Carolina Taskforce for Offshore Wind Economic Resource Strategies
NFRTribe	Non-Federally Recognized Tribe
NGO	Environmental and Public Interest Non-Governmental Organizations
NOAA	National Oceanic and Atmospheric Administration
NOAA Fisheries	National Marine Fisheries Service

Acronym/abbreviation	Definition
NPS	National Park Service
NROC	Northeast Regional Ocean Council
OCS	Outer Continental Shelf
OU	Other Ocean Users
Project	TotalEnergies Carolina Long Bay (TE-CLBay)
RFish	Recreational Fishery Industry
RWSC	Regional Wildlife Science Collaborative for Offshore Wind
SA	State Agency
SCO	Submarine Cable Operators
SEARCH	SEARCH, Inc
TES	Tribal Engagement Survey
Tribes	Native American Tribes, Tribal Nations, and Tribal Organizations
UC	Underserved Community, as defined in Section 2 of Executive Order 13985
USCG	United States Coast Guard
USFWS	United States Fish and Wildlife Service
UTNC	United Tribes of North Carolina
WG	Tribal, State, Federal, or Other Working Group or Forum

1.0 PURPOSE AND BACKGROUND

1.1 Progress Report Purpose

TotalEnergies Renewables USA, LLC ("TotalEnergies"), has developed this Progress Report ("Report") to comply with lease Addendum C Section 3.1, which requires a progress report every six months (or as Bureau of Ocean Energy Management ["BOEM"] otherwise directs) through the site assessment term that includes a brief narrative of engagement since the last progress report, which was submitted December 1, 2022.

The progress reports document ongoing engagement activities from the early stages of project development and foster transparency in the process. At this early stage of the project, many discussions are introductory in nature and are designed as a starting point to establish relationships with a wide array of stakeholders. As these relationships progress, TotalEnergies will have ongoing opportunities to seek advanced input on specific project elements and will take that feedback into consideration for project planning and design. If BOEM provides comments on the progress report (within 60 calendar days from receipt), TotalEnergies will address comments and modify the progress report.

1.2 Lessee Information

TotalEnergies is the leaseholder of the Lease Area OCS-A 0545 ("OCS-A 0545 – TotalEnergies Renewables USA, LLC"), where TotalEnergies proposes to construct and operate a wind energy generation facility called TotalEnergies Carolina Long Bay ("TE-CLBay" or "Project"). TotalEnergies is part of a global multi-energy company, TotalEnergies SE, that produces and markets energy. TotalEnergies SE has an 11-gigawatt ("GW") offshore wind development portfolio globally and made its debut into the U.S. offshore wind market via BOEM's New York Bight ("NYB") 2022 lease auction, where rights were obtained for developing the Attentive Energy Project. TotalEnergies subsequently participated in the BOEM Carolina Long Bay lease auction in May 2022 and obtained rights for Lease Area OCS-A 0545 – TotalEnergies Renewables USA, LLC.

1.3 Lease Description

Lease Area OCS-A 0545 – TotalEnergies Renewables USA, LLC, is a 54,937-acre area located on the outer continental shelf (OCS) approximately 22 statute miles from the coast of North Carolina. The adjacent Lease Area OCS-A 0546 (OCS-A 0546 – Duke Energy Renewables Wind, LLC) is owned by Duke Energy Renewables Wind, LLC (DER). A map of the Lease Areas is shown in Figure 1-1.

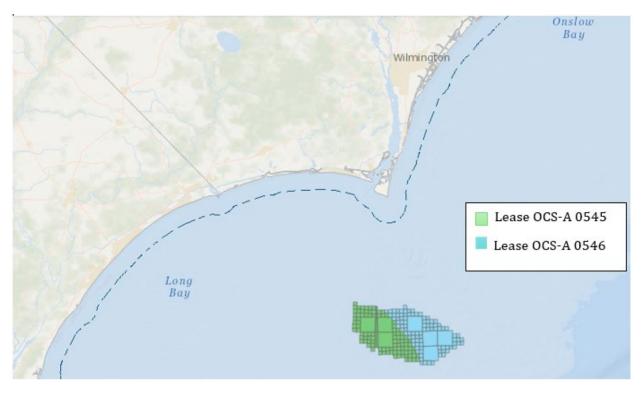


Figure 1-1. Lease Area OCS-A 0545 - TotalEnergies Renewables USA, LLC, and Lease Area OCS-A 0546 - Duke Energy Renewables Wind, LLC

2.0 TRIBAL ENGAGEMENT

2.1 Overall Tribal Engagement Progress Since Last Report

BOEM's lease stipulations 3.1.1 and 3.1.2 require TotalEnergies to engage with federally recognized Tribes that have historical and cultural ties to Lease OCS-A 0545 – TotalEnergies Renewables USA, LLC, and to prepare a Native American Tribes Communication Plan (NATCP). Per BOEM's guidance, TotalEnergies and DER are carrying out joint engagement with the Tribes – starting with a joint Tribal Engagement Survey sent in November 2022 and are developing a single NATCP covering both projects. Both TotalEnergies and DER have elected to also engage with state recognized Tribes, recognizing the importance of allowing all Native American peoples with historical and cultural ties to the area an opportunity to share their perspectives, opinions, concerns, and recommendations during development of the Project. TotalEnergies and DER have individually contracted with SEARCH, Inc, (SEARCH) to provide Tribal Liaisons for each project and to coordinate Tribal outreach activities.

Since the December 2022 Progress Report, TotalEnergies and DER finalized the draft NATCP, shared the NATCP with the federal and state Tribes, and held meetings to advance discussions. Per BOEM suggestion, TotalEnergies submitted an extension request for submission of the NATCP to allow for additional time to incorporate BOEM's updated NATCP Guidance. The extension to June 2023 was approved by BOEM in February 2023, and the Draft NATCP was

submitted to BOEM and shared with Tribes in March 2023. Tribal meetings to discuss the Draft NATCP and to share upcoming survey plans were held in April and May 2023.

In December 2022, BOEM notified TotalEnergies and DER that the Shawnee Tribe had informed BOEM that their area of interest includes North Carolina and South Carolina and, as a result, BOEM recommended that the Shawnee Tribe be added to the NATCP. Following this notification from BOEM, outreach to the Shawnee Tribe included providing a copy of the Tribal Engagement Survey and inviting them to participate in the NATCP.

As part of the ongoing engagement discussions, the following Tribes have declined participation in the NATCP process and general project engagement:

- Delaware Tribe of Indians
- Delaware Nation
- Chickahominy Indian Tribe Eastern Division
- Cherokee Nation

TotalEnergies and DER are open to re-engaging these Tribes upon request at any point as the projects advance. However, the activities described below did not include these Tribes following the point that they declined to participate.

Table 2-1. Tribal engagement during reporting period

Focus of Discussion or Engagement	Tribe(s)	Follow-up Actions, Activities, Outcomes	Coordinated Engagement with Other Lessees
Tribal Outreach and Point of Contact Identification	Applicable federally recognized Tribes and state recognized Tribes in NC/SC (See Appendix A)	Ongoing outreach following Tribal Engagement Survey dissemination in November 2022.	Joint tribal engagement between TotalEnergies and DER.
Sharing Draft NATCP	Applicable federally recognized Tribes and state recognized Tribes in NC/SC (See Appendix A)	Provided Draft NATCP via email and hard copy to federally recognized Tribes and state recognized tribes.	Joint tribal engagement between TotalEnergies and DER.
NATCP Intro Meeting and Pre-Survey Meeting	Invitation sent to applicable federally recognized Tribes (See Appendix A) Tribes attended: - Monacan Indian Nation - Seminole Tribe of Florida - Upper Mattaponi Indian Tribe	Joint meeting (TotalEnergies and DER) – facilitated by BOEM and Consensus Building Institute to review BOEM NATCP guidance and Draft NATCP. Support from Tribal Liaisons (SEARCH) and Qualified Marine Archaeologist (SEARCH). Agenda included project/company introductions, overview of NATCP, request for feedback on NATCP, and then conducted pre-survey meeting for 2023 survey activities. Feedback included a request from the Florida Seminole Tribe to incorporate a Native American Graves Protection and Repatriation Act (NAGPRA) Plan as an appendix to the NATCP.	Joint tribal engagement between TotalEnergies and DER.
NATCP Intro Meeting and Pre-Survey Meeting	Invitation sent to state recognized Tribes in NC/SC (See Appendix A) Tribes attended: - Coharie Intra-Tribal Council - Haliwa-Saponi Indian Tribe - Lumbee Tribe of North Carolina	Joint meeting held by TotalEnergies and DER, with support from Tribal Liaisons (SEARCH) – agenda included project/company introductions, overview of NATCP, request for feedback on NATCP, overview of proposed 2023 survey activities. Feedback included suggestion for Tribal Liaisons to engage separately with each individual Tribe. Tribal representatives also noted the added value of in-person interactions. Lessees requested list of tribal events to consider attending.	Joint tribal engagement between TotalEnergies and DER.

Focus of Discussion or Engagement	Tribe(s)	Follow-up Actions, Activities, Outcomes	Coordinated Engagement with Other Lessees
North Carolina Commission of Indian Affairs Quarterly Commission Meeting	NC Commission on Indian Affairs includes - 21 representatives of the American Indian community - Two representatives appointed by the General Assembly - One representative each from NC Department of Health and Human Services, NC Department of Administration, NC Department of Commerce, NC Department of Environmental Quality & NC Department of Labor	TotalEnergies and DER presented jointly during the March 2023 Commission meeting, sharing brief project overviews, introducing the NATCP and requesting ongoing engagement/feedback.	Joint tribal engagement between TotalEnergies and DER.
Participation in NC Tribal Unity Conference	United Tribes of North Carolina (UTNC). Board of Directors includes representatives from - 8 state recognized tribes - 4 urban Indian centers of NC - Legal Aid of NC	TotalEnergies and DER both sponsored the NC Tribal Unity Conference in March 2023 and staffed a joint booth, along with Tribal Liaisons from both companies. Interactions with attendees at the booth included project/company introductions, sharing hard copies of the Draft NATCP, discussion of the NATCP process, and planned upcoming Tribal meetings to discuss Draft NATCP/survey activities.	Joint tribal engagement between TotalEnergies and DER.
Email Coordination on questions related to potential project impacts	Lumbee Tribe of North Carolina	In advance of the NATCP Intro Meeting and Pre-Survey Meeting with state recognized Tribes in NC and SC, questions relating to potential project impacts were received from a representative of the Lumbee Tribe of North Carolina. TotalEnergies, DER and their respective Tribal Liaisons provided detailed written responses.	Joint tribal engagement between TotalEnergies and DER.

2.2 Identification of Potential Project Effects Related to Tribal Interests

The tribal engagement activities of TotalEnergies and DER are designed to be an ongoing dialogue with information sharing in both directions. Feedback from Tribes is included in Table 2-2.

Table 2-2. Potential effects and Tribal input on project design/implementation during reporting period

Potential Effect/Feedback	Affected Tribe(s)	Efforts to Address Potential Effect and/or How the Project Design or Implementation Has Been Informed
Potential identification of ancestral remains or funerary artifacts during project activities	Florida Seminole Indians	TotalEnergies acknowledges that development of a NAGPRA plan of action is the responsibility of BOEM and that the NAGPRA process is conducted between BOEM and consulting tribes/lineal descendants. Therefore, SEARCH will clearly acknowledge this in the draft Unanticipated Discoveries Plan for lessee survey activities.
Value of individualized and in-person interactions	State recognized Tribes	Several state recognized Tribes noted the importance of Tribal Liaisons reaching out individually to each Tribe and the added value of in-person interactions. TotalEnergies and DER Tribal Liaisons will continue individualized outreach and have requested that the Tribes provide a list of in-person Tribal events (like the Tribal Unity Conference attended in March 2023) to allow for increased in-person interactions and relationship-building opportunities.

2.3 Tribal Feedback on Transmission Planning

At this early stage of the project, many discussions are introductory in nature and are designed as a starting point to establish relationships with a wide array of stakeholders. As these relationships progress, TotalEnergies will have ongoing opportunities to seek advanced input on specific project elements and will take that feedback into consideration for project planning and design. Discussions on transmission planning have been preliminary in nature and have encompassed the following elements:

- An export cable from OCS-A 0545 TotalEnergies Renewables USA, LLC, can make landfall in North Carolina or South Carolina
- Landfall location is dependent upon many factors, including distance from project, onshore grid capabilities, and power purchase agreement/interconnection agreement
- Distance to landfall site is a determining factor for the type of cable
 - o High voltage alternating current (HVAC) are used for shorter distances
 - \circ High voltage direct current (HVDC) are used for longer distances over ~ 30 miles
- Landfall will utilize horizontal directional drilling (HDD) to bring a cable from several thousand feet offshore directly to a designated location further onshore thus avoiding impacts to any beach or shoreline.

These preliminary discussions have not resulted in specific feedback.

2.4 Anticipated or Scheduled Tribal Engagement Activities

TotalEnergies and DER will continue joint outreach and engagement with Tribal Representatives in the coming months relating to the Draft NATCP and upcoming survey activities. The Tribal Liaisons will continue to gather additional feedback on the Draft NATCP and incorporate that feedback into the NATCP as appropriate. Discussions on survey activities for 2023 will continue, as well as sharing information on the potential survey activities that may be carried out in 2024. The Tribal Liaisons will compile a list of potential events held by Tribes (and other groups) that will provide an opportunity for in-person discussions and relationship building. TotalEnergies and DER will also seek input from Tribes on any subsistence fishing activities that may be carried out near the project areas.

3.0 ENGAGEMENT WITH POTENTIALLY AFFECTED PARTIES

3.1 Overall Engagement Progress Since Last Report

Since the December 2022 Progress Report, TotalEnergies has continued to build and expand its team for the Carolina Long Bay Project, with a Fisheries Liaison starting in January 2023 and an Engagement & Communications Director starting in March 2023. During this time, TotalEnergies and DER have strengthened their collaboration – with the decision to carry out joint buoy deployment surveys and to prepare a joint Site Assessment Plan (SAP) for submittal to BOEM. A joint TotalEnergies and DER Survey Plan was created with input from state/federal agencies and submitted to BOEM. The Survey Plan is currently under review by BOEM and survey activities are expected to occur late summer 2023.

TotalEnergies has pursued numerous engagement activities with fishing communities, agencies, and other stakeholders by attending conferences, technical and management meetings, and community events. Through these efforts, TotalEnergies has established, and is advancing, relationships with federal and state agencies, members of fishing communities, universities, technical working groups, and members of the public. TotalEnergies continues to build upon and strengthen these relationships by providing Project information and updates and remaining open and flexible to pursuing different avenues for information sharing.

Table 3-1. Engagement with parties during reporting period

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Agency Communications Plan - 1st Quarter Interagency Meeting - Proposed 2023 survey activities - Project updates	All applicable federal and state agencies invited. Agencies attended: BOEM, United States Army Corps of Engineers (USACE), United States Coast Guard (USCG), Environmental Protection Agency (EPA), Federal Aviation Administration (FAA), National Oceanic and Atmospheric Administration (NOAA), National Marine Fisheries Service (NOAA Fisheries), National Park Service (NPS), NC Department of Environmental Quality (NCDEQ), SC Ocean & Coastal Resource Management (SCOCRM), SC Department of Natural Resources (SC-DNR)	TotalEnergies and DER held two joint meetings with federal agencies and state agencies to provide project updates and introduce plans for 2023 surveys Feedback: NOAA Fisheries provided input on preferred survey equipment and protocols; USFWS requested additional discussion and input on buoy design; and the USCG requested to review mooring designs for the buoys.	Agency outreach is being carried out jointly with DER.
Agency Communications Plan - 1 st Quarter Interagency Meeting (back-up) - Proposed 2023 survey activities - Project updates	Agencies attended: SC-DNR, South Carolina Department of Marine Fisheries, South Carolina State Historic Preservation Office, North Carolina State Historical Preservation Office, USFWS, NOAA, NC DNCR	NC DMF requested that both Lessees consider presenting to the SAFMC Habitat AP meeting. The Lessees presented at this meeting on May 17, 2023. NOAA Fisheries requested that the Lessees strive during survey activities to collect high quality video transect images. The NC DMF requested that the lessees reach out to the SEAMAP coordinator (SCDNR MRRI) to discuss sampling station avoidance during survey activities.	Agency outreach is being carried out jointly with DER.
Agency Communications Plan - Existing data in project area	SC-DNR	TotalEnergies and DER met with SC-DNR to discuss the Southeast Area Monitoring and Assessment Program South Atlantic (SEAMAP-SA) efforts underway within the lease area – including hard-bottom sampling sites. TotalEnergies and DER will provide a copy of the Local Notice to Mariners to SC-DNR ahead of survey activities in 2023.	TotalEnergies and DER participated in the meeting.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Agency Communications Plan - Economic development and supply chain	SC-DOC	TotalEnergies met with the SC-DOC Small Business Manager to provide a project update and discuss opportunities for South Carolina small businesses to be part of the offshore wind supply chain	TotalEnergies lead the engagement with the SC-DOC
Agency Communications Plan - Ongoing project updates	ВОЕМ	 Monthly BOEM calls held to discuss topics including: Outreach updates Plans for survey activities Lease assignment Site Assessment Plan progress/extension 	TotalEnergies and DER combined individual monthly BOEM calls to be carried out jointly starting in May 2023.
Agency Communications Plan - Proposed 2023 survey activities	Department of Defense (DoD)	TotalEnergies and DER held a call with the DoD Siting Clearinghouse – provided overview from the interagency call and discussed survey activities. • Outcomes: DoD requested details of survey specifics (equipment, vessel, timeline) once finalized	DoD outreach is being carried out jointly with DER.
Agency Communications Plan - Ongoing project updates - Economic development and supply chain - Outreach strategies	North Carolina Taskforce for Offshore Wind Economic Resource Strategies (NC TOWERS)	TotalEnergies continues to provide representation as a taskforce member and serves on the infrastructure subcommittee and the Outreach/Engagement subcommittee.	TotalEnergies has recommended that DER join the NC TOWERS taskforce as one of the two Carolina Long Bay lease holders.
Agency Communications Plan - Ongoing project updates - Economic development and supply chain	NC Governor's Office of Clean Energy	Monthly meeting with Governor Cooper's Director of Clean Energy - includes updates from the Governor and updates from TotalEnergies on Carolina Long Bay activities.	TotalEnergies carries out this engagement with the Governor's Office of Clean Energy.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Agency Communications Plan - Ongoing project updates - Economic development and supply chain	Economic Development Partnership of North Carolina (EDPNC)	Multiple meetings to provide updates on the project and discuss opportunities for collaboration to support offshore wind development in the state.	TotalEnergies carries out this engagement with the EDPNC.
Agency Communications Plan - Project introduction - Proposed 2023 survey activities	Southport-Oak Island Chamber of Commerce, Wilmington Chamber of Commerce, Wilmington Chamber of Commerce Offshore Wind Taskforce, Brunswick County Department of Tourism	Targeted outreach has begun with these stakeholders including: • email updates • in-person meetings Information provided or to be provided: TotalEnergies and DER project fact sheet, project timeline and upcoming survey schedule.	TotalEnergies is coordinating this outreach and will plan to partner with DER as their schedule permits.
Agency Communications Plan - Project introduction - Proposed 2023 survey activities	Oak Island Mayor, Caswell Beach Mayor, Caswell Beach Town Manager, Caswell Beach Commissioner	 Targeted outreach has begun with these stakeholders including: email updates in-person meetings. Information provided or to be provided: TotalEnergies and DER project fact sheet, project timeline and upcoming survey schedule 	TotalEnergies and DER are jointly coordinating this outreach.
Community Engagement - Project introduction	Kiwanis Club of Southport- Oak Island	Kiwanis Club Special Event focusing on offshore wind energy: TotalEnergies presented a project overview – shared company introduction, leasing history and planned 2023 activities. Chambers for Innovation and Clean Energy presented economic development opportunities associated with offshore wind. Kiwanis Club members, area residents, guests, local officials and business leaders attended.	TotalEnergies presented at the Kiwanis Club meeting. DER was invited, but unable to attend.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Community Engagement - Project introduction	NC TOWERS Brunswick County Open House - Brunswick County Community College - NC Coastal Federation - Southeastern Wind Coalition - Economic Development Partnership of NC- Tourism - Dominion Energy - BOEM - Chambers for Innovation and Clean Energy - NC Department of Commerce	TotalEnergies and DER shared a booth at the open house held at the Brunswick County Community College. Engaged with 80+ attendees (residents, local officials, local business owners, fisheries representatives, local media, educational leaders,) and documented feedback received from stakeholders during the presentation sessions and during other conversations at the open house. Stakeholder concerns were used to develop a frequently asked questions database to help provide clarity to stakeholders on key resource issues during continued engagements.	Both TotalEnergies and DER jointly coordinated the NC TOWERS Brunswick County Open House participation.
Community Engagement - Local media - Project introduction - Proposed 2023 survey activities	State Port Pilot (Staff reporter who covers offshore wind)	 Targeted outreach has begun with local media contacts that includes: email updates in-person meetings. Information provided or to be provided: TotalEnergies and DER project fact sheet, project timeline and upcoming survey schedule Any other project activity that may of public interest 	TotalEnergies coordinated this initial outreach together.
Educational and Research Institutions	Duke University Project Wildlife and Offshore Wind (WoW)	 TotalEnergies and DER attended the Winds of Change event held at Duke University in March 2023. TotalEnergies participated in kick-off discussion hosted by Attentive Energy with marine mammal researchers from Project WoW to identify research priorities and collaboration opportunities. TotalEnergies is in discussions to join the Project WoW advisory board. 	TotalEnergies and DER are coordinating on engagement with educational and research institutions.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Educational and Research Institutions - Economic development and supply chain - Outreach strategies	University of North Carolina – Charlotte (UNC-C) Energy Production & Infrastructure Center (EPIC)	 In discussions with UNC-C for potential grant proposal to fund the Center for Offshore Wind Data Science and Digital Technologies study in support of the offshore wind energy industry. This initiative will: Create a vibrant ecosystem in North Carolina focused on preparing undergraduate and graduate students, entrepreneurs, and local workforce and community organizations to significantly and positively impact wind energy projects. Advance research of data science and digital technologies and innovations in the applied area of offshore wind. Implement technologies to support the successful deployment, design, and operation of these systems. The initiative will support a pervasive culture of community engagement and inclusiveness to achieve outcomes intended to ensure local communities benefit from the harvesting of offshore wind energy 	TotalEnergies and DER are coordinating potential support of this grant submission.
Environmental and public interest non-governmental organizations	Regional Wildlife Science Collaborative for Offshore Wind, partnership of - Northeast Regional Ocean Council (NROC) - Mid-Atlantic Regional Council on the Ocean (MARCO), - Coastal States Stewardship Foundation (CSSF)	TotalEnergies has participated in RWSC meetings consisting of scientists and researchers from the Marine Mammal Subcommittee, Sea Turtle Subcommittee, Protected Fish Subcommittee, and the Habitat and Ecosystem subcommittee.	TotalEnergies and DER are coordinating on introductions and participation with non-governmental organizations.
Environmental and public interest non-governmental organizations - Economic development and supply chain - Outreach to underserved communities	Carolina Small Business Development Fund (CSBDF)	TotalEnergies and DER are engaging the Carolina Small Business Development Fund to discuss upcoming small business opportunities to support the offshore wind industry to foster economic development in underserved communities. Both TotalEnergies and DER attended the CSBDF 2023 Small Business Awards recognizing multiple underserved and minority small businesses and their owners.	TotalEnergies and DER are jointly coordinating engagement with the Small Business Development Fund.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Environmental and public interest non-governmental organizations - Workforce development - Offshore wind research	Center for Energy Education (C4EE)	C4EE is a nonprofit organization and a center for renewable energy research, industry innovation, and workforce development focusing on the Eastern and Midwestern United States. Their NC office is located in Roanoke Rapids. TotalEnergies met with C4EE to discuss providing offshore wind educational programming to Carolina Long Bay project area youth.	TotalEnergies will discuss partnering with DER on C4EE programming.
Fisheries Communications Plan - Maritime industry - Project introduction	NC For-Hire Captains Association	Opportunistic introduction of board members of NC For-Hire Captains Association during NC TOWERS open house.	Several members of the TotalEnergies and DER teams were introduced to members of the NC For-Hire Captains association in attendance.
Fisheries Communications Plan - Maritime industry - Outreach strategies - Project introduction	 NC Fisheries Association NC Division of Marine Fisheries 	Introduction of the executive director of NC Fisheries Association during NC Division of Marine Fisheries meeting. Outreach efforts were discussed, and the director expressed his willingness to work with DER and TER in the transfer of information, having regular meetings, and adding information to their newsletter.	TotalEnergies and DER are coordinating engagement activities with fisheries stakeholders.
Fisheries Communications Plan - Regional coordination	Mid Atlantic Fisheries Liaisons	TotalEnergies and DER have ongoing biweekly meetings with Fisheries Liaisons from Avangrid and Dominion Energy to share information, ideas, and to make introductions with other groups.	TotalEnergies and DER are jointly coordinating with other Lessees in the Mid-Atlantic region.
Fisheries Communications Plan - Fisheries data	NOAA	TotalEnergies has requested fisheries information and data for both lease areas. Data should be available in June 2023.	TotalEnergies and DER are coordinating on fisheries engagement – with data requests made for both Lease Areas.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Fisheries Communications Plan - Project update - Planned survey activities	South Atlantic Fisheries Management Council (SAFMC) - SAFMC Habitat Advisory Panel includes recreational and commercial fishermen, state and federal agency representatives, seafood dealers, representatives from non-governmental organizations (NGOs), and other interested members of the public	TotalEnergies and DER jointly presented to the SAFMC Habitat Advisory Panel – providing project updates and discussing survey activities planned for Summer 2023.	TotalEnergies and DER are coordinating engagement activities with SAFMC.
Fisheries Communications Plan - Regional coordination	Fisheries Liaisons: - Orsted - Equinor - RWE Renewables	During the IPF conference, TotalEnergies and DER arranged meetings with Fisheries Liaisons from other developers to share information, ideas, and to make introductions with other groups.	TotalEnergies and DER are coordinating on outreach to Fisheries Liaisons with other offshore wind developers.
Fisheries Communications Plan - Commercial fishermen - Marine users	Southport seafood retailers	TotalEnergies has connected with several stakeholders while at local open houses and meetings in the Brunswick County area, as well as participated in several meetings of the South Atlantic Fisheries Management Council Targeted introduction to local seafood retailers, as well as commercial fishermen.	TotalEnergies and DER are coordinating on outreach to fishing communities.
Fisheries Communications Plan - Fisheries data	NC Division of Marine Fisheries	TotalEnergies and DER have requested fisheries information and data for both Lease Areas, as well as fisheries that could be impacted by proposed cable routes. Several meetings continue with the NC Division of Marine Fisheries, and new outreach possibilities are being discussed on a regular basis.	TotalEnergies and DER are coordinating on outreach to fisheries agencies.
Fisheries Communications Plan - Lessee coordination	TotalEnergiesDER	TotalEnergies and DER have meetings weekly for the Fisheries Liaisons to collaborate. A joint Fisheries Engagement Strategy is being finalized to specify the joint implementation actions for each company's individual Fisheries Communication Plans.	TotalEnergies and DER are coordinating on outreach to fishing communities.
Fisheries Communications Plan - Educational and research institutions	NC Sea Grant	Meeting with TotalEnergies and DER Fisheries Liaisons and several members of the NC Sea Grant team. Agenda included introductions, overview of outreach, and suggestions to aid in data gathering.	TotalEnergies and DER are coordinating on engagement with educational and research institutions.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Industry and Trade Associations	 American Clean Power Business Network for Offshore Wind NC Sustainable Energy Association Southeastern Wind Coalition 	 TotalEnergies is a member of several industry associations at the national and state level to follow state and federal policy actions. Southeastern Wind Coalition – TotalEnergies is on the Board of Directors American Clean Power – TotalEnergies participates on the Environmental Health and Safety Subcommittee, the Tribal Working Group, the Offshore Wind Council, the Maritime Subcommittee, Offshore Permitting and Environment Subcommittee, the Fisheries subcommittee, and the Offshore Regulatory and Legislative Advocacy Committee. Business Network for Offshore Wind North Carolina Sustainable Energy Association (NCSEA) 	TotalEnergies and DER are both engaged with many industry groups and coordinate this engagement as necessary.
Industry and Trade Associations	 E4 Carolinas Mid-Atlantic Renewable Energy Coalition (MAREC) 	 TotalEnergies has coordinated with the following organizations during the reporting period: E4 Carolinas (including project intro presentation to Emerging Leaders Forum) Mid-Atlantic Renewable Energy Coalition (MAREC) 	TotalEnergies and DER are both engaged with many industry groups and coordinate this engagement as necessary.
Industry Events	North Carolina State Energy Conference	TotalEnergies connected with many stakeholders while at the State Energy Conference held in Raleigh in April. These are just examples of meetings/discussions held while at the conference: NC Clean Energy Technology Center NC Department of Commerce American Clean Power Center for Energy Education Clean Air Task Force Chambers for Innovation and Clean Energy North Carolina Sustainable Energy Association Southeastern Wind Coalition	TotalEnergies and DER separately sponsored the State Energy Conference and staffed a joint booth to introduce the projects and connect with key state stakeholders.

Focus of discussion or engagement	Party(ies)	Follow-up actions, activities, outcomes	Coordinated engagement with other lessees
Industry Events	2023 International Partnering Forum (2023 IPF)	TotalEnergies connected with many stakeholders while at the 2023 IPF held in Baltimore in March. These are just examples of meetings/discussions held while at the conference: Joint TotalEnergies and DER meeting with Karen Baker, Chief of the Office of Renewable Energy Programs Discussions with potential survey contractors to understand potential vessel availability, survey protocols, etc. Discussion with BOEM policy staff on Notice of Intent Checklist and potential impacts to requirements/timing for Construction and Operations Plans.	TotalEnergies and DER coordinate participation in industry events – scheduling joint meetings and hosting joint tables as appropriate.
Environmental and public interest non-governmental organizations	 Sustain SC Chambers for Innovation and Clean Energy (CICE) 	TotalEnergies held initial engagement with the following organizations to discuss shared engagement objectives around business, workforce and economic development: - Sustain SC - Chambers for Innovation and Clean Energy (CICE) O TotalEnergies to partner with CICE to plan NC offshore wind supply chain workshops to educate NC-based companies on the opportunities with the offshore wind industry	These outreach activities were carried out by TotalEnergies – potential joint follow-up will be discussed.
Environmental and public interest non-governmental organizations - Project introduction - Mitigation discussions	National Resources Defense CouncilSouthern Environmental Law Center	TotalEnergies and DER held a meeting to provide project introductions, introduce planned survey activities and discuss mitigation measures to minimize impacts to marine life.	TotalEnergies and DER are coordinating on engagement with NGOs.

3.2 Identification of Potential Project Effects Related to Parties

Table 3-2. Potential effects and input from parties on project design or implementation

Potential Effect/Feedback	Affected Party(ies)	Efforts to Address Potential Effect and/or How the Project Design or Implementation Has Been Informed	
Survey Activities	State/federal agencies	Feedback received on preferred survey equipment and protocols for benthic data collection/analysis – this information was incorporated into the Survey Plan and Survey Call for Tenders as applicable NOAA Fisheries suggested Passive Acoustic Monitoring on all 3 monitoring buoys Van Veen benthic grab (0.04 m^2) instead of a Ponar grab Benthic assessment utilize habitat nomenclature developed in Chris Taylor's 2016 Tech Memo for Carolina Long Bay (specifically the nomenclature used in Table 2-8) Carry out high resolution video survey before benthic sampling	
Survey Activities	USCG	The USCG requested review of the mooring system for the buoys prior to completion of design. TotalEnergies and DER will coordinate with the USCG to share details of the buoy mooring designs once a contractor for these activities has been selected.	
Buoy Equipment	State/federal agencies	Feedback requested on equipment planned for buoys (additional wildlife monitoring options, cell repeaters, etc) – discussions ongoing to identify options and will incorporate into buoy Call for Tender as appropriate.	
Effects on marine mammals during survey activities	SELC and NRDC	TotalEnergies and DER will adhere to BOEM's November 2021 Project Design Criteria (PDC) and Best Management Practices (BMPs) and NOAA Fisheries' September 2021 PDC and BMPs during survey activities and will consider other measures to minimize and avoid effects on marine mammals.	
Effects on various resources, including the following wildlife impacts: Birds Turtles Whales Bats	Feedback from various stakeholders at the NC TOWERS Brunswick County Open house	TotalEnergies and DER will adhere to BOEM's requirement to prepare an analysis of potential impacts to bird and bat species as a part of their Construction and Operations Plan and will utilize the MOTUS Wildlife Tracking System to help inform these analyses. TotalEnergies and DER will adhere to BOEM's requirement to prepare an analysis of potential impacts to be completed for the Project's Construction and Operations Plan, in consultation with NOAA Fisheries and the USFWS, to reduce, avoid, or eliminate impacts to sea turtles. TotalEnergies and DER will adhere to BOEM's November 2021 Project Design Criteria (PDC) and Best Management Practices (BMPS) and NOAA Fisheries' September 2021 PDC and BMPs during survey activities and will consider other measures to minimize and avoid effects on marine mammals.	

3.3 Feedback from Parties on Transmission Planning

At this early stage of the project, many discussions are introductory in nature and are designed as a starting point to establish relationships with a wide array of stakeholders. As

these relationships progress, TotalEnergies will have ongoing opportunities to seek advanced input on specific project elements and will take that feedback into consideration for project planning and design. Discussions on transmission planning have been preliminary in nature and have encompassed the following elements:

- An export cable from OCS-A 0545 TotalEnergies Renewables USA, LLC, can make landfall in North Carolina or South Carolina
- Landfall location is dependent upon many factors, including distance from project, onshore grid capabilities, and power purchase agreement/interconnection agreement
- Distance to landfall site is a determining factor for the type of cable
 - High voltage alternating current (HVAC) are used for shorter distances
 - High voltage direct current (HVDC) are used for longer distances over ~30 miles
- Landfall will utilize horizontal directional drilling (HDD) to bring a cable from several thousand feet offshore directly to a designated location further onshore thus avoiding impacts to any beach or shoreline.

These preliminary discussions have not resulted in specific feedback.

3.4 Anticipated or Scheduled Engagement Activities

TotalEnergies and DER will continue engagement with interested parties as the Projects progress. The table below provides an overview of activities planned within the next six months.

Table 3-3. Anticipated engagement with parties for the next reporting period

Anticipated Focus of Discussion or Engagement	Party(ies)	Anticipated Coordinated Engagement with Other Lessees
Agency Communication Plan & Fisheries Communications Plan - Survey Activities	Federal, state and local agencies Local elected officials Commercial and recreational fishermen Ocean users NGOs	TotalEnergies and DER will continue to provide updates on survey activities, timelines and outcomes.
Agency Communication Plan - Survey Activities	USCG and DoD	TotalEnergies and DER will coordinate and collaborate with the DoD virtually on conflict avoidance with military operations and electromagnetic emissions as appropriate.
Agency Communication Plan & Fisheries Communications Plan - Survey Activities - Notice to Mariners	USCG, Mariners, Ocean Users	TotalEnergies and DER will draft and issue a Local Notice to Mariners ahead of offshore survey activities in 2023.
Agency Communication Plan - Survey Permitting	Relevant federal agencies (BOEM, USCG, USACE, etc)	TotalEnergies and DER will continue coordination on permit requirements for the planned survey activities in 2023 and the eventual deployment of buoys.

Anticipated Focus of Discussion or Engagement	Party(ies)	Anticipated Coordinated Engagement with Other Lessees
Agency Engagement Plan - Survey Design	Relevant state and federal agencies	TotalEnergies and DER will coordinate and collaborate virtually to design and conduct biological site characterization surveys.
Project Introductions	Various	TotalEnergies and DER will continue outreach to key stakeholder groups to introduce the projects, project teams, and upcoming survey activities.
Fisheries Communications Plan	Fisheries stakeholders	TotalEnergies and DER will continue to coordinate on outreach to fisheries stakeholders – identifying stakeholder groups and meeting with representatives.
Project Introductions & Listening Sessions	Environmental Justice/Underserved Communities	TotalEnergies and DER will coordinate on the identification of Environmental Justice Communities and Underserved Communities in the project area, with a focus on economic opportunities and project benefits

4.0 SURVEY PLAN ACTIVITIES

TotalEnergies and DER are planning joint survey activities in 2023 to support the deployment of meteorological buoys within OCS-A 0545 – TotalEnergies Renewables USA, LLC, and OCS-A 0546 – Duke Energy Renewables Wind, LLC. A joint TotalEnergies and DER SAP Buoy Survey Plan was created with input from state/federal agencies and submitted to BOEM in April 2023. The SAP Buoy Survey Plan includes high resolution geophysical (HRG) and benthic data collection for deployment of three buoys –

- Floating Light Detection and Ranging (LiDAR) buoy centrally located in OCS-A 0545 TotalEnergies Renewables USA, LLC, and
- Floating LiDAR buoy centrally located in OCS-A 0546 Duke Energy Renewables Wind, LLC, and
- Environmental monitoring buoy centrally located along the shared lease border.

The SAP Buoy Survey Plan is currently under review by BOEM and survey activities are expected to occur late summer 2023.

Location Description Type of **Proposed Purpose** Survey Date HRG Late Archaeological clearance 300-meter squares centered on the summer General characterization of the proposed buoy deployment sites 2023 geological conditions within the Location A (Aliquot 6538L) surveyed plots Location B (Aliquot 6555K) Location C (Aliquot 6553C) Location D (Aliquot 6503B) Location E (Aliquot 6504G) Benthic Locations and extents of benthic 300-meter squares centered on the Late resources within the surveyed plots proposed buoy deployment sites summer Location A (Aliquot 6538L) 2023 Location B (Aliquot 6555K) Location C (Aliquot 6553C) Location D (Aliquot 6503B) Location E (Aliquot 6504G)

Table 4-1. Survey Plan activities under BOEM review or underway

A Survey Plan for HRG, benthic and light geotechnical activities within OCS-A 0545 – TotalEnergies Renewables USA, LLC, is anticipated in the next reporting period to support creation of a Construction and Operations Plan (COP). Agency discussions will inform the scope, timing and equipment proposed within this Survey Plan.

Appendix A TRIBES AND OTHER PARTIES RELEVANT TO THE PROJECT

Table A-1. Federally recognized Tribes relevant to the project

Federally Recognized Tribes/Tribal Nations
Catawba Indian Nation
Chickahominy Indian Tribe
Eastern Band of Cherokee Indians
Monacan Indian Nation
Nansemond Indian Nation
Pamunkey Indian Tribe
Rappahannock Tribe
Seminole Tribe of Florida
Tuscarora Nation of New York
United Keetoowah Band of Cherokee Indians in Oklahoma
Upper Mattaponi Indian Tribe

The following table includes many of the parties contacted or engaged during the reporting period – it will be updated for each Progress Report and is not intended to be an exhaustive list.

Table A-2. Parties relevant to the project

Name of party	Party types
Bureau of Ocean Energy Management (BOEM)	Federal Agency (FA)
Department of Defense (DoD)	FA
Environmental Protection Agency (EPA)	FA
Federal Aviation Administration (FAA)	FA
National Ocean and Atmospheric Administration (NOAA)	FA
National Park Service (NPS)	FA
United States Army Corps of Engineers (USACE)	FA
United States Coast Guard (USCG)	FA
United States Fish & Wildlife Service (USFWS)	FA
NC Department of Commerce (NCDOC)	State Agency (SA)
NC Department of Environmental Quality (NCDEQ)	SA
North Carolina Department of Labor (NCDOL)	SA
NC Division of Marine Fisheries (NCDMF)	SA
NC Governor's Office of Clean Energy	SA
North Carolina Department of Administration (NCDOA)	SA
North Carolina Department of Health and Human Services (NCDHHS)	SA
South Carolina Department of Commerce (SC-DOC)	SA

Name of party	Party types
South Carolina Department of Natural Resources (SC-	SA
DNR)	SA
SC Ocean & Coastal Resource Management (SC-OCRM)	SA
Economic Development Partnership of North Carolina (EDPNC)	SA, Other
North Carolina Taskforce for Offshore Wind Economic	Tribal, State, Federal, or Other
Resource Strategies (NC TOWERS)	Working Group or Forum (WG)
Coharie Indian Tribe	Non-federally recognized Tribe (NFRTribe)
Haliwa-Saponi Tribe	NFRTribe
Lumbee Tribe of North Carolina	NFRTribe
Meherrin Indian Tribe	NFRTribe
Occaneechi Band of the Saponi Nation	NFRTribe
Sappony	NFRTribe
Waccamaw Siouan	NFRTribe
Edisto Natchez-Kusso Tribe of South Carolina	NFRTribe
Pee Dee Indian Nation of Upper South Carolina	NFRTribe
Pee Dee Indian Tribe	NFRTribe
Pee Dee Indian Nation of Beaver Creek	NFRTribe
Piedmont American Indian Association	NFRTribe
Lower Eastern Cherokee Nation of South Carolina	NFRTribe
The Santee Indian Organization	NFRTribe
Sumter Tribe of Cheraw Indians	NFRTribe
Waccamaw Indian People	NFRTribe
Wassamasaw Tribe of Varnertown Indians	NFRTribe
Chaloklowa Chickasaw Indian People	NFRTribe
Eastern Cherokee, Southern Iroquois, and United Tribes of South Carolina	NFRTribe
Natchez Tribe of South Carolina	NFRTribe
Brunswick County, NC & towns within	Coastal Community (CC)
Horry County, SC & towns within	CC
New Hanover County, NC & towns within	CC
Brunswick County Community College	Educational and Research Institutions (ERI)
Center for Energy Education (C4EE)	ERI
Duke University Project Wildlife and Offshore Wind	ERI
NC Clean Energy Technology Center	ERI
NC Sea Grant	ERI
University of North Carolina - Charlotte (UNC-C) Energy	ERI
Production & Infrastructure Center (EPIC)	Environmental and Public Interest
Clean Air Task Force	Non-Governmental Organizations (NGO)
Coastal States Stewardship Foundation (CSSF)	NGO
Mid-Atlantic Regional Council on the Ocean (MARCO)	NGO
National Resources Defense Council	NGO
NC Coastal Federation	NGO
Northeast Regional Ocean Council (NROC)	NGO
Regional Wildlife Science Collaborative for Offshore Wind	NGO
Southern Environmental Law Center	NGO
Sustain SC	NGO
Chambers for Innovation and Clean Energy	NGO
NC Fisheries Association	Commercial Fishery Industry (CFish)
Southport seafood retailers	CFish
NC For-Hire Captains Association	Recreational Fishery Industry (RFish)
South Atlantic Fisheries Management Council (SAFMC)	CFish, RFish, FA, SA

Name of party	Party types
American Clean Power	Industry Group (IG)
Business Network for Offshore Wind	IG
E4 Carolinas	IG
Mid-Atlantic Renewable Energy Coalition (MAREC)	IG
NC Sustainable Energy Association	IG
Southeastern Wind Coalition	IG
Carolina Small Business Development Fund (CSBDF)	Underserved Community, as defined in Section 2 of Executive Order 13985 (UC)

Appendix B LESSEE AND LIAISON CONTACT INFORMATION

Table B-1. TotalEnergies contact information

Contact Type	Name and Title	Contact Information
Agency Liaison	Jen Banks Permitting and Development Director	info.clbay@totalenergies.com
Tribal Liaison	Eric Scuoteguazza Tribal Liaison	eric.scuoteguazza@searchinc.com
Fisheries Liaison	William Habich Fisheries Liaison	fisheries.clbay@totalenergies.com
Community Liaison	Susan Munroe Community Engagement Manager	info.clbay@totalenergies.com

Appendix C COMMUNICATIONS PLANS

TotalEnergies has created the following plans in compliance with Lease Stipulation 3 - Reporting:

- Native American Tribes Communications Plan
- Fisheries Communications Plan
- Agency Communication Plan

Once the TotalEnergies website is completed, anticipated in June 2023, links to these plans will be included. Until that time, plans are available upon request from the points of contact listed in Appendix B.