



APPENDIX

Summary of Agency Engagement

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TETRA TECH

MAY 2022

Summary of Agency Engagement¹

Date	Stakeholder	Topic
April 2017	New York State Energy Research and Development (NYSERDA)	Introduction to Project
April 2017	New York State Public Service Commission (NYSPSC)/ Dept. of Public Service	Introduction to Project
May 2017	Long Island Power Authority (LIPA)	Introduction to Project
May 2017	City of Long Beach	Introduction to Project
May 2017	Town of Hempstead	Introduction to Project
May 2017	New York Department of State (NYS DOS)	Introduction to Project
May 2017	Bureau of Ocean Energy Management (BOEM)	Introduction to Project
July 2017	BOEM	General project information and updates
August 2017	New York State Department of Environmental Conservation (NYSDEC)	Introduction to Project
August 2017	National Oceanic and Atmospheric Administration- Fisheries (NOAA Fisheries)	General Project information and updates
August 2017	BOEM	General project information and updates
September 2017	United States Army Corps of Engineers (USACE)	Introduction to Project
October 2017	United States Coast Guard (USCG)	Introduction to Project and Navigational Safety Risk Assessment (NSRA) discussion.
October 2017	BOEM	Survey coordination and general Project updates
November 2017	NOAA Fisheries	Incidental Harassment Authorization (IHA) discussion
November 2017	BOEM	Review of survey plans

¹ At this time, agency engagement included in this table is representative of Project efforts through April 30, 2022 and does not reflect efforts completed after that date. Empire continues to engage with agencies and other stakeholders in support of the Project.

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
December 2017	BOEM, NOAA Fisheries, USCG, United States Fish and Wildlife Service (USFWS), United States Environmental Protection Agency (EPA), United States National Park Service (NPS), USACE, United States Department of Homeland Security (DHS), NYSDEC, NYSERDA, New York Department of Public Service (NY DPS), NYSDOS	Project introduction and survey planning
December 2017	BOEM	Avian survey planning
December 2017	BOEM	Pre-Survey meeting
January 2018	NOAA Fisheries	Survey planning and Project updates
January 2018	Shinnecock Indian Nation	Pre-Survey meeting
February 2018	BOEM	Survey planning
February 2018	USFWS, NYSDEC	Marine mammals discussion
February 2018	BOEM	Marine mammals discussion
February 2018	BOEM	Project updates and survey planning
February 2018	Unkechaug Nation Chief	Introduction to Project
February 2018	Nassau County, New York officials	Introduction to Project
February 2018	NYSERDA	General Project information and updates
March 2018	USACE	General Project information and preliminary cable routing discussion
March 2018	BOEM	Project update and survey review
March 2018	NYSDEC	Project update and fisheries discussion
March 2018	NOAA Fisheries	Project updates and geotechnical survey planning
March 2018	EPA	Project updates and survey planning
March 2018	NYS PSC	Project update at public technical conference
April 2018	BOEM	Project updates and Site Assessment Plan (SAP) preparation
April 2018	BOEM	Project updates and SAP preparation

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
May 2018	New York State Parks Long Island	General Project information and updates
June 2018	BOEM	SAP submittal
June 2018	NYSERDA	Project update and survey planning
June 2018	New York City Economic Development Corporation (NYC EDC)	General Project information and updates
June 2018	Nassau County, New York officials	General Project information and updates
June 2018	Town of Hempstead	General Project information and updates
July 2018	BOEM	General Project information and updates
July 2018	New Jersey Department of Environmental Protection (NJDEP)	Introduction to Project
August 2018	NOAA Fisheries Greater Atlantic Regional Fisheries Office (GARFO)	Project updates and IHA discussion
August 2018	NOAA Fisheries Office of Protected Resources	Project updates and survey planning
August 2018	USCG	Project updates and vessel traffic surveys
August 2018	NPS	Project introduction and visual impact assessment
September 2018	BOEM	Project update and SAP discussion
September 2018	BOEM	Project update and SAP follow up
September 2018	USCG	Project update and vessel traffic discussion
September 2018	USCG	Project update and layout discussion
September 2018	NYSERDA	Project and permitting updates
September 2018	BOEM	Project update and vessel traffic discussion
October 2018	Chief Deputy County Executive, Nassau County	General Project information and updates
October 2018	NPS, Fire Island	Project overview and visual impact assessment discussion
October 2018	BOEM	Project update and 2019 geotechnical survey plan discussion

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
October 2018	NJDEP	General Project information and updates
October 2018	NJDEP, Division of Air Quality	Project update and emission calculations discussion.
October 2018	Naval Facilities Engineering Command (NAVFAC)	Project update and submarine export cable routing discussion
November 2018	New York State Department of Transportation (NYSDOT) on Long Island	Project overview and interconnection discussions
November 2018	NJDEP	Project update and preliminary export cable routing discussion
November 2018	NYSDOT	Project introduction and onshore export and interconnection cable routing discussion
November 2018	BOEM	Project update and vessel traffic discussion
December 2018	NJDEP	Project update
December 2018	NYS DPS	Project introduction and onshore export and interconnection cable routing discussion
December 2018	New York State Parks Recreation & Historic Preservation (NYS OPRHP)	Project introduction and onshore export and interconnection cable routing discussion
December 2018	New York State Parks	Project overview and visual impacts discussion
December 2018	NJDEP	Project update and 2019 survey campaign discussion
January 2019	NYSDOS	Project update and survey planning
January 2019	NJDEP	Project update and marine fisheries studies discussion
January 2019	BOEM	Project update and survey planning
January 2019	NOAA Fisheries	Survey planning and IHA renewal
January 2019	NJDEP	Project update and marine fisheries discussion
February 2019	BOEM	2019 survey planning and 2018 survey results
February 2019	NJDEP – Marine Fisheries	Marine fisheries and layout discussion
February 2019	NJDEP	General Project information and updates

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
March 2019	NYS OPRHP	Project update and visual simulations discussion
March 2019	BOEM	Survey update and Construction and Operations Plan (COP) discussion
March 2019	USACE	Project update and COP discussion
March 2019	EPA	Project update and COP discussion
March 2019	BOEM	Survey planning and visual impact assessment discussion
April 2019	USCG	Project update and foundations towing discussion
April 2019	USCG	NSRA discussion
April 2019	BOEM	Visual impacts assessment discussion
May 2019	New York City Planning Department	Introduction to Project and onshore substation and Operations and Maintenance facilities discussion
May 2019	USCG	NRSA and Operations and Maintenance activities discussion
May 2019	BOEM	Project updates and floating light detection and ranging buoy discussion
May 2019	Shinnecock Indian Nation	Offered project update
June 2019	BOEM	Project updates, survey activities, and NSRA discussion
June 2019	USCG	Vessel traffic and export cable landfall discussion
July 2019	BOEM	Project update, fisheries and navigation outreach discussion and COP schedule
August 2019	NJDEP	Project and permitting updates
August 2019	BOEM	COP discussion
August 2019	BOEM	Pre-COP workshop
September 2019	New York City Department of Citywide Administrative Services (NYC DCAS)	General Project information and updates

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
September 2019	NYSDEC, NYDPS, NYSDOS	Project update and New York State permitting discussion
September 2019	NOAA Fisheries	Project update and submarine export cable route discussion
September 2019	EPA, Bureau of Safety and Environmental Enforcement (BSEE), NYSDEC, NJDEP	Project update and air permitting discussion
September 2019	USACE	Project update and permitting discussion
September 2019	NYS OPRHP	Project update and visual impact assessment discussion
September 2019	NYSERDA	Project updates
October 2019	NJDEP	Project update, survey results, and layout discussion
October 2019	NOAA Fisheries	Project update and Underwater Acoustic Assessment discussion for COP
October 2019	BOEM	Project update and preliminary third party Environmental Impact Statement contractor discussion
October 2019	NJDEP	Project and permitting schedule update
November 2019	New York City Department of Transportation	Project introduction and onshore export and interconnection cable permitting discussion
November 2019	BOEM	Project updates, marine mammal acoustic monitoring, and NYSERDA Open Houses discussion
November 2019	NJDEP	Project and permitting schedule update
December 2019	BOEM	Project update and discussion of underwater acoustic guidelines
December 2019	USACE	Project update and submarine export cable burial and permit discussion
December 2019	BOEM	Project and permitting schedule update
January 2020	NJDEP	Project and permitting schedule update

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
January 2020	USCG	Project update
January 2020	BOEM	Project and outreach updates
January 2020	NJDEP	Project update and foundation feasibility discussion
February 2020	BOEM	Project update and 2020 survey campaign and third-party contractor status discussion
February 2020	USCG	Project overview on upcoming plans and discussion of the NSRA
February 2020	NJDEP	Project and permitting schedule update
March 2020	Shinnecock Indian Nation	Offered Project update
March 2020	BOEM	Discussed and coordinated data needs and submission protocol
March 2020	BOEM	Project update
March 2020	NJDEP	Project update and discussion on virtual outreach alternatives and onshore export and interconnection cable route
April 2020	BOEM	Project update
April 2020	BOEM	Project updates and agency coordination discussion
April 2020	NOAA Fisheries	Project update and survey overview discussion
April 2020	BOEM/BSEE	Project schedule overview and discussion of emergency response preparedness approach
April 2020	EPA	Project overview and schedule updates and discussion of the air quality modelling protocol
April 2020	BOEM	Project update
May 2020	BOEM	Discussion of BOEM comments on the COP
May 2020	NJDEP	Project status and update
May 2020	BOEM	Project and agency coordination updates
May 2020	BOEM	Discussion of BOEM comments on the COP

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
May 2020	BOEM	Project update
June 2020	BOEM/USCG	Project, survey, and outreach updates
June 2020	BOEM	2020 survey campaign update and discussion
June 2020	BOEM	Discussion of BOEM comments on the COP
June 2020	NJDEP	Project update
June 2020	NYSDOS	Project overview and updates, and discussion of the 2020 survey campaigns
June 2020	BOEM	Project update
June 2020	USACE	Project and permitting updates
June 2020	NOAA Fisheries	Project update
June 2020	NYSDEC/NYS DPS	Project overview and update
June 2020	NJDEP	Project update
June 2020	BOEM	Project updates
July 2020	BOEM	Project updates
July 2020	BOEM	Presentation of BOEM comments on the COP
July 2020	BOEM/USCG	Project overview, updates, and NSRA Search and Rescue discussion
July 2020	BOEM	Project updates
July 2020	BOEM/USCG	Discussion of stakeholder consultations (World Shipping Council, American Waterways Operators, and Chamber of Shipping of America)
August 2020	NYSDEC/NYS DPS	Sediment Sampling and Analysis Plan and Geotechnical Survey overview and discussion
August 2020	BOEM	Project updates
August 2020	NOAA Fisheries GARFO	Presentation and discussion of benthic habitat characterization surveys

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
August 2020	BOEM	Discussion of Ground Model and Electronic Data Deliverable
August 2020	BOEM	Discussion of BOEM comments on High Resolution Geophysical/Geotechnical Survey Plan
August 2020	BOEM/BSEE	Review of regulations pertaining to SAP decommissioning
August 2020	NJDEP	Project updates
August 2020	BOEM	Project updates
August 2020	USACE	Correspondence re permitting schedule and temporary mooring overview
August 2020	BOEM/BSEE	SAP Decommissioning Plan follow-up
August 2020	BOEM	COP overview and updates
August 2020	NJDEP	Project updates
September 2020	BOEM	Project updates
September 2020	BOEM	Project updates
September 2020	USCG	Project overview and discussion of the NSRA
September 2020	BOEM	Project updates
October 2020	USCG, NYSDOS	Discussion of Cable Burial Risk Assessment (CBRA) undertaken for Gravesend Bay
October 2020	NJDEP	Project updates
October 2020	NJDEP	Discussion of Analysis of Visual Effects to Historic Properties
October 2020	New York City Department of Environmental Protection (NYC DEP)	Project introduction and discussion of water siphons and potential crossing methodologies
October 2020	BOEM	Project updates

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
October 2020	NYSERDA	Overview of Project design updates, Project activities, and New York State comments on initial COP submittal
October 2020	USACE	Discussion of export cable routing onshore in Brooklyn/Coney Island and offshore in Gravesend Bay
October 2020	BOEM	Project updates
November 2020	BOEM, BSEE, EPA, Federal Permitting Improvement Steering Council, USFWS, NOAA Fisheries, NPS, USACE, NYSDEC, NYSDPS, NYSDOS, NJDEP, New Jersey Board of Public Utilities, USCG	Project update and overview
November 2020	NJDEP	Project updates
November 2020	New York City Parks	Discussion of considerations for making landfall in and/or routing through New York City parks
November 2020	USCG	Discussion of potential ports to support Project construction
November 2020	BOEM	Project updates
December 2020	NJDEP	Discussion of Visual Impact Assessment (VIA)
December 2020	BOEM	Project updates
December 2020	NYC DEP	Discussion of NYC DEP infrastructure crossings along the potential alternative export cable landfalls and onshore export cable and interconnection routes under consideration
December 2020	NYSDEC, NYSDOS	Discussion of the Joint Permit Application (JPA) submitted for the 2021 Geotechnical Surveys and Sediment Sampling Campaign
December 2020	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSEDA, NYS OPRHP	Project overview and updates
December 2020	NOAA Fisheries, BOEM	Discussion of Benthic Habitat Characterization Mapping

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
January 2021	BOEM	Project updates
January 2021	EPA	Discussion on the air dispersion modeling protocol for the Outer Continental Shelf air permit application
January 2021	BOEM	Project design update and discussion of Marine Minerals Program sand borrow areas and requirements
January 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, NYS OPRHP	Discussion of submarine export cable installation methodologies, routing, vessel types, and time-of-year restrictions
January 2021	BOEM	Discussion of the new Section 106/Nation Environmental Policy Act Integration process
January 2021	BOEM	Pre-survey meeting
January 2021	NOAA Fisheries	Project update and discussion of IHA timeline
February 2021	BOEM	Project updates
February 2021	NYSDEC, NYSDOS, USACE	Discussion of proposed Sediment Sampling Campaign
February 2021	EPA, NYSDDEC	Project updates and discussion of permitting for multi-phase Project
February 2021	BOEM	Discussion of information needs to support Endangered Species Act and Section 7 consultation
February 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, New York State Office of General Services (NYSOGS)	Discussion of proposed export cable landfall methodologies, dredging needs, and time-of-year restrictions
February 2021	BOEM	Project updates
February 2021	Shinnecock Indian Nation, Mohegan Tribe of Connecticut, Mashantucket Western Pequot Tribal Nation, Delaware Tribe of Indians	Offered pre-survey meeting and Project update
February 2021	NYSDPS	Pre-application meeting for Article VII application

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
March 2021	City of Long Beach, New York	Discussion of proposed survey work
March 2021	BOEM	Project updates
March 2021	City of Long Beach, New York	Project updates; discussion of proposed survey work
March 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, NYSOGS, NYS OPRHP	Discussion of proposed export cable landfill methodologies
March 2021	BOEM	Project updates
March 2021	USACE	Project updates and discussion of cable crossing methodologies
March 2021	Town of Hempstead, New York	Discussion of project components planned in Hempstead and Project schedule
March 2021	NOAA Fisheries	Discussion on upcoming survey activities
March 2021	NYSDPS	Discussion of in-air noise assessment activities
March 2021	BOEM	Project updates
April 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, NYSOGS, NYS OPRHP	Discussion of export cable routing and proposed export cable landing methodologies
April 2021	NPS	Discussion of visual impact methodology and Analysis of Visual Effects on Historic Properties
April 2021	NPS	Follow up discussion of visual impact methodology and Analysis of Visual Effects on Historic Properties
April 2021	EPA	Discussion on Project permitting
April 2021	NOAA Fisheries, BOEM	Project updates
April 2021	BOEM	Project updates
April 2021	EPA, BOEM	Discussion on Outer Continental Shelf (OCS) Air Permit application timing
May 2021	NYSDOS	Discussion of Coastal Zone Management (CZM) Consistency Determination
May 2021	BOEM	Project updates

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
May 2021	NJDEP	Discussion of Coastal Zone Management (CZM) Consistency Determination
May 2021	NYSDEC	Project updates
June 2021	NYS OPRHP	Discussion of NYS OPRHP historic and architectural properties
June 2021	BOEM	Project updates
June 2021	Delaware Tribe of Indians	Project overview and discussion on historic properties
June 2021	EPA	Discussion of the OCS Air Permit application submittal
June 2021	NOAA Fisheries, BOEM	Project update and discussion of timeline for the IHA
July 2021	BOEM	Discussion of the Marine Site Investigation Report (MSIR)
July 2021	NOAA Fisheries	Discussion of the methodology for animal movement modeling
July 2021	BOEM	Project updates
July 2021	USACE	Project and schedule update and discussion of the USACE and BOEM sand borrow areas
August 2021	BOEM	Project updates
August 2021	BOEM	Discussion of the Section 106 National Environmental Policy Act (NEPA) Substitution process
August 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, NYSOGS, NYS OPRHP	Discussion of 2021 geotechnical JPA and sediment surveys, Empire Wind 2 (EW 2) geotechnical JPA submittal, and the considerations of submarine export cable routing and landfall at EW 2
August 2021	USCG, BOEM	Discussion of project design envelope updates and remodel of the NSRA
September 2021	BOEM	Project updates
September 2021	NOAA	Discussion of potential impacts on high frequency radar systems

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
September 2021	EPA, NYSDEC	Discussion of schedule and proposed new modeling procedures for construction emissions
September 2021	BOEM	Response to questions from BOEM regarding alternatives to be evaluated in the Draft Environmental Impact Statement (DEIS)
September 2021	U.S. Navy	Discussion of assets in New York Harbor that may be crossed by EW 1 submarine export cables
September 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, NY SOGS, NYS OPRHP, USACE	Discussion of routing options for the EW 2 submarine export cable in the vicinity of the sand resource area identified near the landfall on Long Beach Island
September 2021	NYSDEC, NYSDOS, NYSDPS	Discussion of sediment transport modeling
September 2021	NYSDEC, EPA	Discuss of dispersion modeling in support of the OCS Air Permit application
October 2021	BOEM	Project updates
October 2021	BOEM	Discussion of cumulative effects visual simulations
October 2021	USACE, USCG	Discussion of anchor spread in New York State waters
October 2021	NYSDEC, NYSDOS, NYSDPS, NYS DOT, NYSERDA, NY SOGS, USCG, SPR, OGS	Discussion of anchor spread in New York State waters
November 2021	NOAA Fisheries	Discussion of the timing and process for the Letter of Authorization (LOA)
November 2021	New York Harbor Operations Steering Committee (NY HOSC), USACE, USCG	Feedback on anchor spread in New York State waters
November 2021	BOEM	Project updates
November 2021	BOEM	Discussion of cumulative effects visual simulations methodology
November 2021	EPA	Feedback on alternative modeling methodologies
November 2021	U.S. Department of Defense	Discussion of mitigation for the ARSR-4 radar
November 2021	NY HOSC, USACE, USCG, Port Authority of New York and New Jersey	Feedback on anchor spread in New York State waters

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
November 2021	NPS, BOEM	Project updates and review of visual simulations developed for key observation points from NPS sites
December 2021	BOEM	Review of comments and feedback on the VIA
December 2021	BOEM	Discussion of the layout alternatives proposed for the DEIS
December 2021	BOEM	Continued discussion of comments and feedback on the VIA and cumulative effects simulations
December 2021	NOAA Fisheries	Overview of the rulemaking and process for the LOA application
December 2021	BOEM, DOI	Discussion of DEIS alternatives
December 2021	BOEM	Project updates
December 2021	BOEM	Discussion of Project design updates
January 2022	BOEM	Project updates
January 2022	BOEM	Discussion of DEIS, VIA, and Project design updates
January 2022	BOEM	Discussion of Section 106 process
January 2022	BOEM, DOI	Discussion of DEIS status, alternatives, Project design updates, MSIR, and BOEM requests for information
January 2022	NYS DPS, NYS DEC, NYSDOS	EW 2 Article VII Application Pre-Application meeting
January 2022	BOEM, USACE, NYS DEC, NYSDOS, NYS DOT, NY SERDA, and NYC EDC	Discussion of the environmental review process and South Brooklyn Marine Terminal port upgrade projects
January 2022	BOEM, USACE, and Federal Permitting Improvement Steering Council	Discussion of Section 10 and Section 404 milestone dates
February 2022	USACE	Pre-Application meeting
February 2022	BOEM	Project updates
February 2022	BOEM	Milestone date changes and status updates
March 2022	BOEM	Project updates

Summary of Agency Engagement (continued)

Date	Stakeholder	Topic
March 2022	Shinnecock Indian Nation, Delaware Tribes of Indians, and Delaware Nation	Project updates and overview of Marine Archaeological Resources Assessment development
March 2022	USACE	Continued discussion on the use of USACE sand borrow areas
March 2022	NOAA Fisheries	Discussion of acoustic and animal movement modeling methodologies
March 2022	NOAA, BOEM	Discussion of the NEPA schedule
March 2022	NJDEP, New Jersey Board of Public Utilities, NYSERDA, BOEM, NOAA, Clean Ocean Action, National Wildlife Federation	Provide a Project update and overview
April 2022	EPA	Provide an update on the proposed air modeling protocol
April 2022	NYSDEC, NYDPS, NYSDOS	Discussion of time-of-year restrictions and sequencing of EW 2 export cable landfall
April 2022	BOEM	Project updates
April 2022	BOEM	Discussion on the Section 106 process
April 2022	BOEM	Project updates
April 2022	BOEM	Project updates
April 2022	BOEM	Project updates
April 2022	BOEM	Project updates

Acronyms

BOEM	Bureau of Ocean Energy Management
BSEE	Bureau of Safety and Environmental Enforcement
COP	Construction and Operations Plan
DEIS	Draft Environmental Impact Statement
DHS	United States Department of Homeland Security
DOI	Department of the Interior
EPA	United States Environmental Protection Agency
GARFO	Greater Atlantic Regional Fisheries Office
IHA	Incidental Harassment Authorization
MSIR	Marine Site Investigation Report
NAVFAC	Naval Facilities Engineering Command
NEPA	National Environmental Policy Act
NJDEP	New Jersey Department of Environmental Protection
NOAA Fisheries	National Oceanic and Atmospheric Administration National Marine Fisheries Service
NPS	United States National Park Service
NRDC	Natural Resources Defense Council
NSRA	Navigational Safety Risk Assessment
NYC DCAS	New York City Department of Citywide Administrative Services
NYC EDC	New York City Economic Development Corporation
NYC DEP	New York City Department of Environmental Protection
NY HOSC	New York Harbor Operations Steering Committee
NYS DOS	New York State Department of State
NYS DOT	New York State Department of Transportation
NYSOGS	New York State Office of General Services
NYS OPRHP	New York State Parks Recreation & Historic Preservation
NYSDEC	New York State Department of Environmental Conservation
NYS DPS	New York Department of Public Service
NYSERDA	New York State Energy Research and Development
NYS PSC	New York State Public Service Commission
OCS	Outer Continental Shelf

SAP	Site Assessment Plan
USACE	United States Army Corps of Engineers
USCG	United States Coast Guard
USFWS	United States Fish and Wildlife Service
VIA	Visual Impact Assessment