

On February 23, 2021, the Bureau of Ocean Energy Management (BOEM) received the following comments and exhibits on the Draft Environmental Impact Statement (DEIS) for the South Fork Wind Project –

- Comments by Kinsella on South Fork Wind DEIS Feb 22, 2021
- List of Documents Submitted to BOEM Feb 22, 2021
- Initial Brief on South Fork Wind Project Jan 20, 2021
- Reply Brief on South Fork Wind Project Feb 3, 2021
- Demand Letter to LIPA Re: Public Authorities Control Board (PACB) Feb 19, 2021
- Motion to Reopen Record (PFAS Test Results) Jan 13, 2021
- Motion to Reopen the Record, Supplemental Info (Purpose and Need) Jan 29, 2021
- Motion to Strike Testimony by South Fork Wind Nov 5, 2020
- Motion to Strike Testimony, Response Nov 16, 2020
- Testimony Part 1-1 – PFAS Contamination Sep 9, 2020
- Testimony Part 1-2 – PFAS Contamination Oct 9, 2020
- Testimony Part 2 – Public Interest & Price Oct 9, 2020
- Testimony Part 3 – Rebuttal, Conflicts, PFAS, 2018 OSW Master Plan Oct 30, 2020
- Wind Wake Effect (research papers)
- Wind Data, OSW Output vs Demand (spreadsheets, charts, tables, spec's, etc.)

BOEM posted the following comments on its website on February 23, 2021 (available at <https://www.regulations.gov/comment/BOEM-2020-0066-0343>) –

- Comments by Kinsella on South Fork Wind DEIS Feb 22, 2021

BOEM posted the following comments on its website on April 14, 2021 (available at <https://www.regulations.gov/comment/BOEM-2020-0066-0384>) –

- Wind Wake Effect (research papers)
- Wind Data, OSW Output vs Demand (spreadsheets, charts, tables, spec's, etc.)

BOEM also posted the following comments on April 14, 2021 (available at <https://www.regulations.gov/comment/BOEM-2020-0066-0385>) –

- Documents Submitted to BOEM List by Kinsella(spreadsheet) Feb 22, 2021
- Documents Submitted to BOEM List by Kinsella (pdf) Feb 22, 2021
- Initial Brief on South Fork Wind Project Jan 20, 2021
- Reply Brief on South Fork Wind Project Feb 3, 2021
- Demand Letter to LIPA Re: Public Authorities Control Board (PACB) Feb 19, 2021
- Motion to Reopen the Record (PFAS Test Results) Jan 13, 2021
- Motion to Reopen the Record, Supplemental Info (Purpose and Need) Jan 29, 2021
- Motion to Strike Testimony by South Fork Wind Nov 5, 2020
- Motion to Strike Testimony, Response Nov 16, 2020
- Wind Data (Excel Spreadsheets, Charts, Tables, Spec's, etc.)

BOEM also posted the following comments on April 14, 2021 (available at <https://www.regulations.gov/comment/BOEM-2020-0066-0386>) –

- Testimony Part 1-1 – PFAS Contamination Sep 9, 2020
- Testimony Part 1-2 – PFAS Contamination Oct 9, 2020

BOEM also posted the following comments on April 14, 2021 (available at <https://www.regulations.gov/comment/BOEM-2020-0066-0387>) –

- Testimony Part 2 – Public Interest & Price Oct 9, 2020
- Testimony Part 3 – Rebuttal, Conflicts, PFAS, 2018 OSW Master Plan Oct 30, 2020

Individual documents are available for download, click on “Exhibit #000” (see below).

BOEM – Comments on South Fork Wind DEIS (BOEM-2020-0066-0343)

• South Fork Wind, DEIS Comments by Kinsella (Feb 22, 2021).....	Exhibit #001
• List of Documents Submitted to BOEM (spreadsheet).....	Exhibit #002
• List of Documents Submitted to BOEM (pdf).....	Exhibit #003
• PFAS Contamination of Onshore Construction Corridor (satellite map).....	Exhibit #004
• PFAS Contamination Heat Map of Onshore Cable Route.....	Exhibit #005
• PFAS Zone - onshore cable route decided <i>after</i> PFAS detection.....	Exhibit #006
• PFAS release within 500 feet of SFEC route (surface runoff).....	Exhibit #007
• Electrical Transmission Fires - Bridgehampton & East Hampton.....	Exhibit #008

Initial Brief on South Fork Wind Project, January 20, 2021

• Initial Brief by Simon V. Kinsella (Jan 20, 2021).....	Exhibit #009
• Exhibit A – See Motion to Reopen Record..... (see Exhibits #021-028)	
• Exhibit B - Joint Proposal Signatories.....	Exhibit #010

Reply Brief on South Fork Wind Project, February 3, 2021

• Reply Brief & Exhibits by Simon V. Kinsella (Feb 3, 2021).....	Exhibit #011
• Reply Brief (only) by Simon V. Kinsella (Feb 3, 2021).....	Exhibit #012
• Exhibit 1 -WESC DWW EF Outage Rate.....	Exhibit #013
• Exhibit 2 -WESC SF RFP Load Cycle Analysis.....	Exhibit #014
• Exhibit 3 -DWW EF Outage Rate Analysis.....	Exhibit #015

LIPA Demand Letter Re: PACB Approval, February 2021

• South Fork Wind Not Approved by PACB (note, undated).....	Exhibit #016
• Demand Letter Re: PACB Approval to LIPA (Feb 19, 2021).....	Exhibit #017
• Exhibit (a) - NYS Comptroller FOIL Request Appeal (Feb 5, 2020).....	Exhibit #018
• Exhibit (b) - Supp Resp by PSEGLI to IRSK29 PPA Amend (Oct 8 20).....	Exhibit #019
• Exhibit (c) - PSEG LI SF RFP Update PPA Amend (Sep 30, 2020).....	Exhibit #020

Motion to Reopen Record, January 13, 2021

• Motion to Reopen Record by Simon V. Kinsella (Jan 13, 2021).....	Exhibit #021
• Motion to Reopen Record (incl. Exhibits D, E, & F).....	Exhibit #022
• Exhibit A - Kinsella vs NYS Comptroller index 904100-19.....	Exhibit #023
• Exhibit B - LIPA Amendment No 1 (Nov 14, 2018).....	Exhibit #024
• Exhibit C - IRSK 01 SFW Resp Re PFAS.....	Exhibit #025
• Exhibit D - SFW Environmental Survey (Jan 4, 2021).....	Exhibit #026
• Exhibit E - PFAS Contamination map.....	Exhibit #027
• Exhibit F - Survey Well Locations (Google Map).....	Exhibit #028

Motion to Reopen the Record, Supplemental Information, January 29, 2021

• Motion to Reopen Record, Supplemental by Kinsella (Jan 29, 2021).....	Exhibit #029
• Exhibit A - LIPA Memo Re: South Fork RFP.....	Exhibit #030
• Exhibit B - PSEG Long Is South Fork RFP Webex (Jul 2015).....	Exhibit #031
• Exhibit C - PSEGLI South Fork RFP, Exec. Comm. (Apr 2016).....	Exhibit #032
• Exhibit D -Report on Load Shifting Effect.....	Exhibit #033
• Exhibit E - Report on Load Cycle Analysis.....	Exhibit #034
• Exhibit F - Report on Wind Outage Rate.....	Exhibit #035
• Exhibit G - Wind Outage Analysis.....	Exhibit #036

• Exhibit H -Report on Potential Interferences.....	Exhibit #037
• Exhibit I - Load Reduction Final Selection.....	Exhibit #038
• Exhibit J - South Fork RFP Clarifying Questions.....	Exhibit #039
• Exhibit K - NYS Comptroller 1625 billion valuation.....	Exhibit #040
• Exhibit L - LIPA Resp to FOIL Appeal Kinsella.....	Exhibit #041
• Exhibit M - LIPA Cover Letter to FOIL Resp Kinsella.....	Exhibit #042
• Exhibit N - PSEG Long Is Evaluation Guide.....	Exhibit #043
• Exhibit O - South Fork RFP Proposal Receipt Log.....	Exhibit #044
• Exhibit P - South Fork RFP PPA Matrix – Final.....	Exhibit #045
• Exhibit Q - Avoided Transmission Cost Ph II Rev7.....	Exhibit #046
• Exhibit R - Avoided Transmission Cost Ph III Rev10.....	Exhibit #047
• Exhibit S - LIPA South Fork Wind Fact Sheet (Oct 2019).....	Exhibit #048

Motion to Strike Testimony by South Fork Wind, Nov 5, 2020

• Motion to Strike Testimony by South Fork Wind (Nov 5, 2020).....	Exhibit #049
• Response, Motion to Strike Testimony by Kinsella (Nov 16, 2020).....	Exhibit #050
• Opposition, Motion to Strike Testimony - Resp Bjurlof.....	Exhibit #051
• Opposition, Motion to Strike Testimony - Resp CPW.....	Exhibit #052
• Opposition, Motion to Strike Testimony - Resp Gruber.....	Exhibit #053
• Opposition, Motion to Strike Testimony - Resp LICFA.....	Exhibit #054
• Opposition, Motion to Strike Testimony - Resp Cohen.....	Exhibit #055
• Opposition, Motion to Strike Testimony - Resp Cirlin.....	Exhibit #056
• Opposition, Motion to Strike Testimony - Resp Neil Faber.....	Exhibit #057
• Opposition, Motion to Strike Testimony - Resp Mahoney M.....	Exhibit #058

• Opposition, Motion to Strike Testimony - Resp Mahoney P.....	Exhibit #059
• Ruling, Motion to Strike Testimony by ALJ Belsito (Nov 24, 2020).....	Exhibit #060

**Testimony Part 1-1 - PFAS Contamination, September 2020**

• Testimony 1-1, PFAS Contamination by Kinsella (Sep 9, 2020).....	Exhibit #061
• Affidavit of Simon V. Kinsella (Sep 9, 2020).....	Exhibit #062
• Exhibit A - Groundwater Water Recharge CEA SASS.....	Exhibit #063
• Exhibit B - PFAS Heat Map.....	Exhibit #064
• Exhibit C - Report No 3 - PFAS Contamination.....	Exhibit #065
• Exhibit D-1 - DEC- SC East Hampton Airport App A.....	Exhibit #066
• Exhibit D-2 - DEC- SC East Hampton Airport App B.....	Exhibit #067
• Exhibit D-3 - DEC- SC East Hampton Airport App C.....	Exhibit #068
• Exhibit D-4 - DEC- SC East Hampton Airport App D.....	Exhibit #069
• Exhibit D-5 - DEC- SC East Hampton Airport App E-1.....	Exhibit #070
• Exhibit D-9 - DEC- SC East Hampton Airport App F.....	Exhibit #071
• Exhibit D-6 - DEC- SC East Hampton Airport App E-2.....	Exhibit #072
• Exhibit D-7 - DEC- SC East Hampton Airport App E-3.....	Exhibit #073
• Exhibit D-8 - DEC- SC East Hampton Airport App E-4.....	Exhibit #074
• Exhibit E - DEC - SC Wainscott Sand & Gravel (Jul 2020).....	Exhibit #075

• Exhibit F - Town v Village NYSED 2-20-cv-01787.....	Exhibit #076
• Exhibit G-1 DEIS Wainscott Comm Center (Jul 2020).....	Exhibit #077
• Exhibit G-2 DEIS Wainscott Comm Center (Jul 2020).....	Exhibit #078
• Exhibit G-3 DEIS Wainscott Comm Center (Jul 2020).....	Exhibit #079
• Exhibit H - PFAS Info EPA ATSDR NYSDEC ToxFAQ.....	Exhibit #080
• Exhibit I-1 - NYSPSC Art VII Case 10-T-0154 DEC Letter.....	Exhibit #081
• Exhibit I-2 - NYSPSC Staff Proposal Re- Findings.....	Exhibit #082
• Exhibit J - USEPA PFAS Action Plan (Feb 2020).....	Exhibit #083
• Exhibit K - PFAS Contamination Zone.....	Exhibit #084
• Exhibit L - Wainscott S&G Superfund Designation.....	Exhibit #085
• Exhibit M – Google Earth - Wells EH-1 to S1.....	Exhibit #086
• Exhibit N - IR SK 03 to 10 (Jan 2, 2020).....	Exhibit #087
• Exhibit P - EPA Interim Recomm's for PFAS GW (Dec 2019).....	Exhibit #088
• Exhibit Q - ASTSWMO - PFC Remediation.....	Exhibit #089
• Exhibit R - MA - PFAS Standard (Dec 2019).....	Exhibit #090
• Exhibit O - West Gate Tunnel - PFAS AFR.....	Exhibit #091
• Exhibit - Shaw Aero.....	Exhibit #092
• Exhibit - Griffiths Carpet.....	Exhibit #093

**Testimony Part 1-2 - PFAS Contamination, October 2020**

• Testimony 1-2 - PFAS Contamination by Kinsella (Oct 9, 2020).....	Exhibit #094
• Exhibit 1-1A - NYSDEC PFAS Remediation (Jan 23, 2020).....	Exhibit #095
• Exhibit 1-2B - DEC SC Wainscott S G (July 2020).....	Exhibit #096
• Exhibit 1-2C - PFAS Heat Map.....	Exhibit #097

- Exhibit 1-2D- Testimony Pt 1-1 – PFAS (Sep 9, 2020)..... Exhibit #098

Testimony Part 2 – Public Interest & Price

- Public Interest Price (Oct 9, 2020)..... Exhibit #099
- Affidavit by Kinsella Notary (Oct 9, 2020)..... Exhibit #100
- Exhibit 01 - Kinsella vs NYS Comptroller 904100-19..... Exhibit #101
- Exhibit 02 - South Fork RFP (Jun 24, 2015)..... Exhibit #102
- Exhibit 03 - Power Purchase Agreement (Feb 2017)..... Exhibit #103
- Exhibit 04 - PPA Amendment No 1 (Nov 14, 2018)..... Exhibit #104
- Exhibit 05 - PSEGLI Resp IR SK 29 - PPA Amendment..... Exhibit #105
- Exhibit 06 - OAG to Kinsella PPA Price Table..... Exhibit #106
- Exhibit 07 - IR SK 32 Resp by PSEG Long Is (Sep 2020)..... Exhibit #107
- Exhibit 08 - IR SK 32 - Email Chain (Sep 4, 2020)..... Exhibit #108
- Exhibit 09 - Motion to Compel PSEG Long Is IR SK 32..... Exhibit #109
  - Exhibit A - South Fork RFP (Jun 24, 2015)..... Exhibit #110
  - Exhibit B - IR SK 32..... Exhibit #111
  - Exhibit C - IR SK 32 - Response by PSEG LI (Sep 3, 2020)..... Exhibit #112
  - Exhibit D - IR SK 32 - Email Chain btw SK PSEGLI (Sep 3, 2020)..... Exhibit #113
  - Exhibit E - Kinsella vs NYS OSC - Decision index 904100-19..... Exhibit #114
  - Exhibit F - NYSERDA OSW Report Sunrise Equinor (Oct 2019)..... Exhibit #115
  - Exhibit G - LIPA Press Release - Price 16.3..... Exhibit #116
  - Exhibit H - PPA - LIPA Deepwater OSC LIPA..... Exhibit #117
  - Exhibit I - NREL Comparing Offshore Wind Energy (Jun 2020)..... Exhibit #118
  - Exhibit J - IR SK 29 - PSEGLI Response - Amend 1 40MW..... Exhibit #119

- Exhibit K - US DOE 2018 OSW Technologies Mkt Rpt (Aug 2019).....	Exhibit #120
- Exhibit L - Fig 32 - OSW Mkt Report Adj Strike Prices (Aug 2019).....	Exhibit #121
- Exhibit M - LIPA Approval of PPA for Offshore Wind DR-0014.....	Exhibit #122
- Exhibit N - Orsted AS - 2018 Annual Report (193 pages).....	Exhibit #123
- Exhibit O - Orsted AS - 2019 Annual Report (183 pages).....	Exhibit #124
- Exhibit P - NJ Awards Grant WSJ (Oct 3, 2008).....	Exhibit #125
- Exhibit Q - Maryland - US Wind Skipjack (Mar 17, 2017).....	Exhibit #126
- Exhibit R - NJ BPU OSW Evaluation Report (Oct 2008).....	Exhibit #127
- Exhibit S - IR SK 19 - PSEGLI Conflicts of Interest.....	Exhibit #128
- Exhibit T - IR SK 19 - PSEGLI Response (Mar 13, 2020).....	Exhibit #129

<u>Exhibit 10 - NYS Comptroller FOIL Resp Supp Info.....</u>	Exhibit #130
- Exhibit I - OSC Email (Oct 1, 2020).....	Exhibit #131
- Exhibit II - 2020-0444 Response.....	Exhibit #132
- Exhibit III - C000883 Deepwater Wind VRQ 1-26-17.....	Exhibit #133
- Exhibit IV - C000884 - EH Energy Storage VRQ 5-23-17.....	Exhibit #134
- Exhibit V - C000884 - LI Energy Storage VRQ Sub 7-20-17.....	Exhibit #135
- Exhibit VI - C000885 Montauk Energy Storage VRQ 5-23-17.....	Exhibit #136
- Exhibit VII - VR for C000883-6015200_Redacted.....	Exhibit #137
- Exhibit VIII - VR for C000884-6015200_Redacted.....	Exhibit #138
- Exhibit IX - VR for C000885-6015200_Redacted.....	Exhibit #139
- Exhibit X - OSC FOIL Request 2020-0444 VRQ (Aug 24, 2020).....	Exhibit #140
- Exhibit XI - Siemens Gamesa SG 8.0-167 DD – Spec’s.....	Exhibit #141
- Exhibit XII - OSW Power VOID - Deepwater Wind Slide (2015).....	Exhibit #142

- Exhibit XIII - PSEG LI - Bridgehampton Fire (Jan 24, 2020).....	Exhibit #143
- Exhibit M - LIPA Approval of PPA for Offshore Wind DR-0014.....	Exhibit #144
• <u>Exhibit 11 - WTG - Ørsted Selects Siemens Gamesa</u> .....	Exhibit #145
• <u>Exhibit 12 - Wind Data Summary 44008 44017 BUZM3</u> .....	Exhibit #146
- Exhibit 12a - 44008 - Wind Data 2015 10-min.....	Exhibit #147
- Exhibit 12b - 44008 - Wind Data 2016 10-min.....	Exhibit #148
- Exhibit 12c - 44008 - Wind Data 2017 10-min.....	Exhibit #149
- Exhibit 12d - 44017 - Wind Data 2015 10-min.....	Exhibit #150
- Exhibit 12e - 44017 - Wind Data 2016 10-min.....	Exhibit #151
- Exhibit 12f - 44017 - Wind Data 2017 10-min.....	Exhibit #152
- Exhibit 12g - 44017 - Wind Data 2018 10-min.....	Exhibit #153
- Exhibit 12h - 44017 - Wind Data 2019 10-min.....	Exhibit #154
- Exhibit 12i - BUZM3 - Wind Data 2016 10-min.....	Exhibit #155
- Exhibit 12j - BUZM3 - Wind Data 2017 10-min.....	Exhibit #156
- Exhibit 12k - BUZM3 - Wind Data 2018 10-min.....	Exhibit #157
- Exhibit 12l - BUZM3 - Wind Data 2019 10-min.....	Exhibit #158
- Exhibit 12m - NOAA Weather Data TEMP.....	Exhibit #159
- Exhibit 12m - South Fork Weather Data.....	Exhibit #160
• <u>Exhibit 13 - Transmission Fire E Hampton Feb 2016</u> .....	Exhibit #161

Testimony Part 3 – Rebuttal (Conflicts, PFAS, 2018 OSW Master Plan)

• Testimony, Rebuttal (Oct 30, 2020).....	Exhibit #162
• Affidavit Notary (Oct 30, 2020).....	Exhibit #163
• Exhibit 3-1 - IR SK 29 - PSEGLI Supp Resp (Oct 8, 2020).....	Exhibit #164

• Exhibit 3-2 - PFAS Heat Map Wainscott S G PFAS.....	Exhibit #165
• Exhibit 3-3 - SCDHS PFAS Lab Reports (416 pages).....	Exhibit #166
• Exhibit 3-4 - Email SCDHS to Town Supervisor.....	Exhibit #167
• Exhibit 3-5 - Rigano Presentation on DEC SC Report.....	Exhibit #168
• Exhibit 3-6 - NYSERDA OSW RFI 2018 Ørsted Eversource.....	Exhibit #169
• Exhibit 3-7 - NYSERDA OSW Policy Options Paper (Jan 29, 2018).....	Exhibit #170
• Exhibit 3-8 - LIPA Evaluation Newsday by Harrington.....	Exhibit #171

### Wind Wake Effect

• Journal of Geophysical Research Atmospheres, Archer, <i>et al</i> (2016).....	Exhibit #172
• A Numerical Study of Wind-Turbine Wakes, Archer, <i>et al</i> (2017).....	Exhibit #173
• Study: Wind Wakes off NE US Atlantic Coast, Archer (2019).....	Exhibit #174
• OSW Farm Micrometeorological Impacts, Siedersleben, <i>et al</i> (2018).....	Exhibit #175
• Offshore Wind Farm in German Bight (May 2017).....	Exhibit #176
• Offshore Wind Farms in German Bight pan.....	Exhibit #177
• Offshore Wind Farms in German Bight zoom.....	Exhibit #178
• First in situ evidence of wakes in far field of OSW Farms (Jan 2018).....	Exhibit #179
• Wind Wake (figures and heat maps).....	Exhibit #180

### Wind Data (spreadsheet, charts, tables, specifications, etc.)

• Avg Max Temp - BH Montauk NOAA Weather Data (2000-2020).....	Exhibit #181
• Block Island Wind Farm BIWF Capacity (2017-2020).....	Exhibit #182
• Climate Temperature East Hampton, Weather Atlas.....	Exhibit #183
• Offshore Wind Speed per Month per Hour, NOAA (44008 & 44017).....	Exhibit #184
• SF Supply Risk - Demand vs Supply (PSEGLI/NOAA data) (2016).....	Exhibit #185
• Power Curves (Haliade-X, Vestas, Siemens-Gamesa SG8 & SG10).....	Exhibit #186

• POWER OFF Freq - NOAA 44017 (2016, 18), 44008 (2015) (charts).....	Exhibit #187
• POWER OFF Freq - NOAA Station 44017 (stack chart) (2016).....	Exhibit #188
• POWER OFF Freq - NOAA Station 44017 (xls) (2018).....	Exhibit #189
• South Fork Hourly Electrical Demand (PSEGLI Resp. IR HIFI-02).....	Exhibit #190
• South Fork Peak Demand vs OSW Supply (chart) (May- Aug 2016).....	Exhibit #191
• South Fork Peak Demand vs Wind Output 132 MW (charts) (2016).....	Exhibit #192
• SF Avg. Temp. & OSW Speed NOAA 44008 & 44017 (2000-2020).....	Exhibit #193
• OSW Farm Output 132 MW SG 8 Power Curve, NOAA 44017 (2016).....	Exhibit #194
• Siemens Gamesa SG 8.0-167 DD – Specifications (2020).....	Exhibit #195
• South Fork – Demand vs OSW Supply (data) (2016).....	Exhibit #196
• South Fork – Demand vs OSW Supply (data) (May-Aug 2016).....	Exhibit #197
• South Fork Load (2016-2018) & Avg. Temp (charts) (2000-2020).....	Exhibit #198
• Wind Data Summary – NOAA 44008, 44017 & BUZM3.....	Exhibit #199

Miscellaneous

• CPW v Town of E Hampton - Complaint index 601847-2021.....	Exhibit #200
• PFAS - Wainscott Sand & Gravel NYS DEC SC Report.....	Exhibit #201
• POWER OFF Freq. - NOAA 44017 (2016, 2018) 44008 (2015).....	Exhibit #202
• POWER OFF Freq. - NOAA 44017 (2016 Stack Chart).....	Exhibit #203
• SF Demand vs OSW Supply (May- Aug 2016).....	Exhibit #204
• SF Demand 2016 vs Expected SF Output 132 MW.....	Exhibit #205
• SF Temp. (avg. 2000-20) OSW Speed NOAA 44008, & 44017.....	Exhibit #206
• South Fork Electrical Load (2016-2018) Avg Temp (2000-2020).....	Exhibit #207