



GENERAL DIRECTOR FOR ENVIRONMENTAL PROTECTION

Warsaw, March 1, 2023

DOOŚ-WDŚZOO.420.32.2022.SP.12

Appendix to the decision of the General Director for Environmental Protection of March 1, 2023, ref. No.: DOOŚ-WDŚZOO.420.32.2022.SP.12, amending its own decision of June 29, 2022, ref. No.: DOOŚ-WDŚZOO.420.59.2021.SP.10, on environmental conditions for the project entitled *Baltic Power Offshore Wind Farm*

Project characteristics

entitled: *Baltic Power Offshore Wind Farm*, within the framework of which it is planned to implement a project that may always have a significant impact on the environment, i.e. plants using wind energy for electricity generation with a total nominal capacity of the wind turbine of not less than 100 MW and located in the maritime areas of the Republic of Poland.

The project involves the construction, operation and decommissioning of the Baltic Power offshore wind farm (hereinafter the Baltic Power OWF) with a total maximum capacity of 1,200 MW. The project involves the construction of 76 offshore wind turbines (with a nominal single turbine capacity of 15 MW), along with two offshore MV/HV substations. A maximum of 120 km of inter array cable routes (power and communication lines) shall be laid in the Baltic Power OWF area.

Each offshore wind turbine shall consist of a nacelle with a rotor, a tower, a transition piece and a monopile sunk into the seabed.

The maximum height of the offshore wind turbine including the rotor shall be 258.3 m above sea level. The maximum diameter of the rotor shall be 236 m, while the minimum clearance between the rotor and the water surface shall be 22.3 m.

The purpose of the planned project is to generate electricity using a renewable energy source – wind. Offshore wind turbines are plants for the conversion of the kinetic wind energy into electricity by driving a power generator with a rotor driven by the force of the wind. Mechanical energy of the rotating rotor is converted in the generator to alternating electric current with low voltage, which is most often transformed to medium voltage and then to high voltage for its further transmission.

The Baltic Power OWF shall be located in the maritime areas of the Republic of Poland in the

Polish Exclusive Economic Zone in an area of 131.08 km², of which an area of 113.72 km² will be developed. The project site is located approx. 22.5 km from the coastline, north of the municipalities of Łeba and Choczewo.

The coordinates of the Baltic Power OWF area of 131.08 km²

Point number	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS,SSS"]	
	Y	X	Length	Width
A	418044.43	794268.06	17°43'05.64308" E	55°00'17.95302" N
B	416270.95	793861.41	17°41'26.24788" E	55°00'03.73399" N
C	415031.36	793574.52	17°40'16.78915" E	54°59'53.69608" N
D	413285.62	793090.28	17°38'39.07356" E	54°59'36.94600" N
E	412593.80	792887.82	17°38'00.36776" E	54°59'29.96063" N
F	411843.08	792653.71	17°37'18.38651" E	54°59'21.91016" N
G	410854.28	792313.17	17°36'23.13529" E	54°59'10.25938" N
H	409795.99	791893.32	17°35'24.07405" E	54°58'55.99045" N
I	408816.12	791611.50	17°34'29.27723" E	54°58'46.23085" N
J	408132.22	791417.00	17°33'51.03349" E	54°58'39.48611" N
K	407992.20	792718.65	17°33'41.65236" E	54°59'21.50243" N
L	407468.94	797802.46	17°33'06.28830" E	55°02'05.61664" N
M	409898.75	802193.52	17°35'18.15475" E	55°04'29.27798" N
N	412100.53	806160.53	17°37'17.88388" E	55°06'39.03617" N
O	421637.54	805984.08	17°46'16.29790" E	55°06'39.08668" N
P	421918.40	803497.97	17°46'34.60685" E	55°05'18.81344" N
R	421998.65	802798.80	17°46'39.82336" E	55°04'56.23860" N
S	420273.94	802971.88	17°45'02.38090" E	55°05'00.85124" N
T	418207.80	803180.16	17°43'05.63912" E	55°05'06.37854" N
U	418150.00	800028.92	17°43'05.63999" E	55°03'24.39446" N
W	418098.80	796888.09	17°43'05.99999" E	55°01'42.75044" N
Y	418054.60	794825.69	17°43'05.63999" E	55°00'36.00018" N

Geographic coordinates of the Baltic Power OWF development area of 113.72 km²

Point number	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS,SSS"]	
	Y	X	Length	Width
1	421444.52	803356.56	17°46'08.01781" E	55°05'13.96888" N
2	418258.31	803677.60	17°43'07.97346" E	55°05'22.50190" N
3	418199.00	803680.08	17°43'04.62534" E	55°05'22.54688" N
4	418159.72	803677.84	17°43'02.41201" E	55°05'22.45109" N
5	418120.88	803672.54	17°43'00.22710" E	55°05'22.25679" N
6	418082.44	803664.19	17°42'58.06711" E	55°05'21.96352" N
7	418044.62	803652.78	17°42'55.94592" E	55°05'21.57196" N

Point number	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS,SSS"]	
	Y	X	Length	Width
8	418007.96	803638.48	17°42'53.89300" E	55°05'21.08770" N
9	417972.54	803621.35	17°42'51.91296" E	55°05'20.51237" N
10	417938.88	803601.68	17°42'50.03481" E	55°05'19.85605" N
11	417906.57	803579.23	17°42'48.23553" E	55°05'19.11049" N
12	417876.12	803554.31	17°42'46.54414" E	55°05'18.28613" N
13	417847.73	803527.08	17°42'44.97098" E	55°05'17.38801" N
14	417808.99	803481.74	17°42'42.83317" E	55°05'15.89817" N
15	417786.85	803449.99	17°42'41.61740" E	55°05'14.85763" N
16	417766.77	803415.73	17°42'40.52038" E	55°05'13.73746" N
17	417749.76	803380.66	17°42'39.59719" E	55°05'12.59257" N
18	417735.29	803343.68	17°42'38.81993" E	55°05'11.38762" N
19	417723.90	803306.02	17°42'38.21644" E	55°05'10.16248" N
20	417715.56	803267.94	17°42'37.78585" E	55°05'08.92549" N
21	417710.15	803228.60	17°42'37.52161" E	55°05'07.64964" N
22	417707.87	803188.87	17°42'37.43444" E	55°05'06.36278" N
23	417650.07	800037.09	17°42'37.45529" E	55°03'24.36101" N
24	417598.89	796897.80	17°42'37.83492" E	55°01'42.76691" N
25	417553.25	794756.34	17°42'37.48897" E	55°00'33.45822" N
26	417558.52	794535.59	17°42'38.01445" E	55°00'26.31932" N
27	417573.26	794244.33	17°42'39.14663" E	55°00'16.90510" N
28	417571.23	794226.38	17°42'39.05109" E	55°00'16.32324" N
29	417566.29	794209.00	17°42'38.79119" E	55°00'15.75821" N
30	417553.74	794185.04	17°42'38.10963" E	55°00'14.97533" N
31	417542.28	794171.08	17°42'37.47867" E	55°00'14.51702" N
32	417528.68	794159.19	17°42'36.72574" E	55°00'14.12424" N
33	417513.32	794149.69	17°42'35.87113" E	55°00'13.80757" N
34	417487.89	794140.45	17°42'34.44961" E	55°00'13.49335" N
35	416270.95	793861.41	17°41'26.24788" E	55°00'03.73399" N
36	415031.36	793574.52	17°40'16.78915" E	54°59'53.69608" N
37	413285.62	793090.28	17°38'39.07356" E	54°59'36.94600" N
38	412593.80	792887.82	17°38'00.36776" E	54°59'29.96063 "N
39	412593.62	792887.77	17°38'00.35733" E	54°59'29.95864" N
40	412593.61	792887.77	17°38'00.35706" E	54°59'29.95858" N
41	412588.81	792886.27	17°38'00.08864" E	54°59'29.90713" N
42	411843.08	792653.71	17°37'18.38651" E	54°59'21.91017" N
43	410854.28	792313.17	17°36'23.13529" E	54°59'10.25938" N
44	410833.17	792304.80	17°36'21.95727" E	54°59'09.97488" N
45	409792.63	791892.37	17°35'23.88620" E	54°58'55.95756" N
46	409025.18	791672.53	17°34'40.96659" E	54°58'48.34294" N

Point number	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS,SSS"]	
	Y	X	Length	Width
47	408257.73	791452.69	17°33'58.05157" E	54°58'40.72413" N
48	408257.72	791452.69	17°33'58.05139" E	54°58'40.72410" N
49	408230.76	791448.54	17°33'56.53944" E	54°58'40.57192" N
50	408203.60	791451.15	17°33'55.00888" E	54°58'40.63844" N
51	408177.92	791460.37	17°33'53.55386" E	54°58'40.91958" N
52	408155.30	791475.63	17°33'52.26390" E	54°58'41.39804" N
53	408142.61	791488.70	17°33'51.53537" E	54°58'41.81255" N
54	408128.05	791511.77	17°33'50.68959" E	54°58'42.54926" N
55	408121.71	791528.84	17°33'50.31295" E	54°58'43.09741" N
56	408118.26	791546.73	17°33'50.09875" E	54°58'43.67377" N
57	408118.26	791546.76	17°33'50.09854" E	54°58'43.67474" N
58	408102.51	791696.58	17°33'49.03955" E	54°58'48.51092" N
59	408105.07	791723.20	17°33'49.15293" E	54°58'49.37384" N
60	408110.33	791740.26	17°33'49.42911" E	54°58'49.92930" N
61	408410.58	793547.70	17°34'04.23605" E	54°59'48.60045" N
62	409579.37	800583.66	17°35'01.98684" E	55°03'36.98873" N
63	409822.51	801023.04	17°35'15.18976" E	55°03'51.36218" N
64	409822.53	801023.09	17°35'15.19119" E	55°03'51.36374" N
65	411514.10	804073.64	17°36'47.12842" E	55°05'31.14786" N
66	411678.54	805383.90	17°36'54.93856" E	55°06'13.64140" N
67	411681.90	805400.35	17°36'55.10944" E	55°06'14.17560" N
68	411691.51	805423.59	17°36'55.62569" E	55°06'14.93353" N
69	411708.73	805454.62	17°36'56.56279" E	55°06'15.94846" N
70	412068.51	806102.84	17°37'16.14119" E	55°06'37.14938" N
71	412084.70	806124.92	17°37'17.03027" E	55°06'37.87385" N
72	412105.84	806142.31	17°37'18.20390" E	55°06'38.45003" N
73	412122.05	806150.76	17°37'19.10911" E	55°06'38.73368" N
74	412139.43	806156.41	17°37'20.08375" E	55°06'38.92750" N
75	412166.65	806159.31	17°37'21.61670" E	55°06'39.03880" N
76	421541.12	805985.81	17°46'10.85397" E	55°06'39.08784" N
77	421568.69	805981.80	17°46'12.41430" E	55°06'38.97370" N
78	421586.13	805975.30	17°46'13.40475" E	55°06'38.77349" N
79	421602.22	805965.96	17°46'14.32201" E	55°06'38.48029" N
80	421616.49	805954.03	17°46'15.13974" E	55°06'38.10251" N
81	421628.55	805939.86	17°46'15.83445" E	55°06'37.65101" N
82	421638.05	805923.86	17°46'16.38620" E	55°06'37.13874" N
83	421644.71	805906.49	17°46'16.77914" E	55°06'36.58043" N
84	421648.71	805885.21	17°46'17.02593" E	55°06'35.89444" N
85	421655.60	805824.24	17°46'17.47565" E	55°06'33.92580" N

Point number	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS,SSS"]	
	Y	X	Length	Width
86	421861.00	804006.09	17°46'30.86649" E	55°05'35.22018" N
87	421646.42	803971.77	17°46'18.79571" E	55°05'33.98778" N
88	421412.69	803650.86	17°46'05.92985" E	55°05'23.47222" N

Coordinates of wind turbines and substations

Power plant/station No.	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
1	408224.18	791708.45	17°33'55.870" E	54°58'48.976" N
2	408390.74	792708.22	17°34'04.087" E	54°59'21.430" N
3	408557.15	793709.98	17°34'12.297" E	54°59'53.947" N
4	408723.66	794712.34	17°34'20.516" E	55°00'26.485" N
5	408891.67	795723.73	17°34'28.812" E	55°00'59.315" N
6	409058.43	796727.60	17°34'37.051" E	55°01'31.900" N
7	409225.12	797731.04	17°34'45.289" E	55°02'04.472" N
8	409391.08	798730.11	17°34'53.495" E	55°02'36.902" N
9	409556.08	799723.40	17°35'01.657" E	55°03'09.144" N
10	409783.96	800709.35	17°35'13.375" E	55°03'41.189" N
11	410341.87	801715.73	17°35'43.680" E	55°04'14.110" N
12	410891.16	802706.56	17°36'13.531" E	55°04'46.520" N
13	411453.55	803719.90	17°36'44.109" E	55°05'19.665" N
14	411738.10	804910.85	17°36'58.828" E	55°05'58.376" N
15	412107.86	805930.09	17°37'18.554" E	55°06'31.586" N
16	409637.51	791970.68	17°35'15.071" E	54°58'58.390" N
17	410922.50	792507.68	17°36'26.756" E	54°59'16.596" N
18	412277.28	792912.72	17°37'42.531" E	54°59'30.566" N
19	413706.72	793329.54	17°39'02.509" E	54°59'44.950" N
20	415193.60	793908.10	17°40'25.564" E	55°00'04.588" N
21	416175.28	794734.34	17°41'19.942" E	55°00'31.917" N
22	417451.78	794310.10	17°42'32.241" E	55°00'18.961" N
23	417446.98	795307.80	17°42'30.933" E	55°00'51.236" N
24	417468.82	796332.46	17°42'31.097" E	55°01'24.399" N
25	417492.79	797710.64	17°42'31.014" E	55°02'09.001" N
26	417509.01	798710.13	17°42'30.887" E	55°02'41.347" N
27	417526.47	799709.58	17°42'30.830" E	55°03'13.692" N
28	417544.12	800712.61	17°42'30.780" E	55°03'46.152" N
29	417562.68	801711.87	17°42'30.785" E	55°04'18.492" N

Power plant/station No.	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
30	417581.49	802732.89	17°42'30.782" E	55°04'51.535" N
31	421244.03	803508.93	17°45'56.557" E	55°05'18.784" N
32	421640.06	804639.89	17°46'17.774" E	55°05'55.600" N
33	421546.91	805731.76	17°46'11.434" E	55°06'30.872" N
34	419827.37	803711.98	17°44'36.444" E	55°05'24.536" N
35	420092.73	805715.61	17°44'49.385" E	55°06'29.513" N
36	418663.56	805920.96	17°43'28.522" E	55°06'35.320" N
37	418508.75	804934.47	17°43'20.803" E	55°06'03.313" N
38	414199.29	805934.02	17°39'16.573" E	55°06'33.032" N
39	413138.12	805255.85	17°38'17.435" E	55°06'10.427" N
40	413019.92	804135.15	17°38'12.000" E	55°05'34.097" N
41	412718.95	803131.15	17°37'56.132" E	55°05'01.426" N
42	412211.10	802111.63	17°37'28.623" E	55°04'28.121" N
43	411793.36	800931.62	17°37'06.385" E	55°03'49.679" N
44	411620.87	799730.58	17°36'58.003" E	55°03'10.714" N
45	410959.07	797708.29	17°36'22.981" E	55°02'04.865" N
46	410803.88	796534.19	17°36'15.560" E	55°01'26.782" N
47	410649.42	795512.42	17°36'08.013" E	55°00'53.627" N
48	410120.21	794224.02	17°35'39.677" E	55°00'11.602" N
49	417199.87	805930.02	17°42'05.910" E	55°06'34.740" N
50	416748.61	804728.90	17°41'41.710" E	55°05'55.610" N
51	416380.23	803532.71	17°41'22.193" E	55°05'16.687" N
52	416114.70	802258.10	17°41'08.568" E	55°04'35.290" N
53	414974.54	800313.01	17°40'06.368" E	55°03'31.664" N
54	415252.69	799307.67	17°40'23.121" E	55°02'59.311" N
55	415360.00	798310.33	17°40'30.234" E	55°02'27.111" N
56	415365.82	797311.43	17°40'31.628" E	55°01'54.798" N
57	415138.76	796358.33	17°40'19.858" E	55°01'23.824" N
58	415126.68	795392.16	17°40'20.211" E	55°00'52.559" N
59	415702.57	805929.94	17°40'41.412" E	55°06'33.829" N
60	414696.75	803910.18	17°39'46.832" E	55°05'27.867" N
61	418130.04	803792.88	17°43'00.619" E	55°05'26.155" N
62	409772.40	793135.24	17°35'21.338" E	54°59'36.153" N
63	412191.45	793914.76	17°37'36.594" E	55°00'02.929" N
64	412341.67	794930.77	17°37'43.927" E	55°00'35.893" N
65	412796.60	797131.02	17°38'07.119" E	55°01'47.363" N
66	413118.53	798219.75	17°38'24.057" E	55°02'22.788" N
67	414102.40	801730.60	17°39'15.675" E	55°04'16.985" N

Power plant/station No.	Coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
68	420111.40	804717.90	17°44'51.448" E	55°05'57.245" N
69	415949.33	801112.14	17°41'00.461" E	55°03'58.115" N
70	411218.00	798725.19	17°36'36.427" E	55°02'37.930" N
71	415042.34	804926.87	17°40'05.232" E	55°06'00.972" N
72	413135.69	799300.08	17°38'23.840" E	55°02'57.749" N
73	413371.72	800517.64	17°38'35.807" E	55°03'37.287" N
74	414550.56	802731.54	17°39'39.860" E	55°04'49.646" N
75	412747.80	796109.52	17°38'05.494" E	55°01'14.285" N
76	413914.44	794532.59	17°39'12.895" E	55°00'24.000" N
OSS_East	416156.08	799443.95	17°41'13.883" E	55°03'04.272" N
OSS_West	412136.69	797317.13	17°37'29.746" E	55°01'52.965" N

Coordinates of the inter array cable infrastructure

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
1	412127.94	797333.13	17°37'29.236" E	55°01'53.477" N
	412101.43	797534.51	17°37'27.519" E	55°01'59.975" N
	412098.43	797554.23	17°37'27.329" E	55°02'00.612" N
	412094.64	797573.83	17°37'27.094" E	55°02'01.243" N
	412090.08	797593.25	17°37'26.815" E	55°02'01.869" N
	412084.75	797612.48	17°37'26.493" E	55°02'02.487" N
	412078.65	797631.48	17°37'26.129" E	55°02'03.098" N
	412071.80	797650.22	17°37'25.722" E	55°02'03.700" N
	412064.21	797668.67	17°37'25.274" E	55°02'04.292" N
	412055.89	797686.81	17°37'24.785" E	55°02'04.873" N
	412046.85	797704.60	17°37'24.257" E	55°02'05.443" N
	412037.11	797722.01	17°37'23.689" E	55°02'06.000" N
	412026.68	797739.02	17°37'23.082" E	55°02'06.544" N
	412015.58	797755.60	17°37'22.439" E	55°02'07.073" N
	412003.83	797771.73	17°37'21.759" E	55°02'07.588" N
	411991.44	797787.37	17°37'21.044" E	55°02'08.086" N
	411218.00	798725.19	17°36'36.427" E	55°02'37.930" N
	409556.08	799723.40	17°35'01.657" E	55°03'09.144" N
	409783.96	800709.35	17°35'13.375" E	55°03'41.189" N
	410341.87	801715.73	17°35'43.680" E	55°04'14.110" N
410891.16	802706.56	17°36'13.531" E	55°04'46.520" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
2	411738.10	804910.85	17°36'58.828" E	55°05'58.376" N
	411453.55	803719.90	17°36'44.109" E	55°05'19.665" N
	412211.10	802111.63	17°37'28.623" E	55°04'28.121" N
	411793.36	800931.62	17°37'06.385" E	55°03'49.679" N
	411620.87	799730.57	17°36'58.003" E	55°03'10.714" N
	412086.21	797777.17	17°37'26.393" E	55°02'07.816" N
	412090.12	797759.27	17°37'26.634" E	55°02'07.240" N
	412093.38	797741.24	17°37'26.837" E	55°02'06.658" N
	412095.98	797723.10	17°37'27.004" E	55°02'06.073" N
	412097.91	797704.88	17°37'27.133" E	55°02'05.485" N
	412130.44	797333.13	17°37'29.376" E	55°01'53.479" N
3	413019.92	804135.15	17°38'12.000" E	55°05'34.097" N
	412718.95	803131.15	17°37'56.132" E	55°05'01.426" N
	413371.72	800517.64	17°38'35.807" E	55°03'37.287" N
	413135.69	799300.08	17°38'23.840" E	55°02'57.749" N
	413118.53	798219.75	17°38'24.057" E	55°02'22.788" N
	412273.60	797894.89	17°37'36.818" E	55°02'11.744" N
	412260.91	797889.60	17°37'36.109" E	55°02'11.565" N
	412248.53	797883.63	17°37'35.418" E	55°02'11.363" N
	412236.49	797876.98	17°37'34.748" E	55°02'11.141" N
	412224.84	797869.69	17°37'34.100" E	55°02'10.897" N
	412213.61	797861.76	17°37'33.476" E	55°02'10.634" N
	412202.83	797853.23	17°37'32.878" E	55°02'10.351" N
	412192.54	797844.12	17°37'32.309" E	55°02'10.050" N
	412182.76	797834.46	17°37'31.768" E	55°02'09.731" N
	412173.53	797824.27	17°37'31.260" E	55°02'09.395" N
	412164.87	797813.59	17°37'30.784" E	55°02'09.045" N
	412156.82	797802.46	17°37'30.342" E	55°02'08.679" N
	412149.38	797790.89	17°37'29.936" E	55°02'08.300" N
	412142.60	797778.94	17°37'29.567" E	55°02'07.909" N
	412136.48	797766.63	17°37'29.236" E	55°02'07.507" N
	412131.05	797754.00	17°37'28.944" E	55°02'07.095" N
	412126.31	797741.10	17°37'28.692" E	55°02'06.675" N
	412122.30	797727.95	17°37'28.481" E	55°02'06.247" N
412119.01	797714.60	17°37'28.310" E	55°02'05.813" N	
412116.47	797701.09	17°37'28.182" E	55°02'05.374" N	
412114.67	797687.46	17°37'28.096" E	55°02'04.932" N	
412113.62	797673.76	17°37'28.052" E	55°02'04.488" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	412113.32	797660.02	17°37'28.050" E	55°02'04.043" N
	412113.78	797646.28	17°37'28.092" E	55°02'03.599" N
	412132.94	797333.13	17°37'29.517" E	55°01'53.481" N
4	413706.72	793329.54	17°39'02.509" E	54°59'44.950" N
	415193.60	793908.10	17°40'25.564" E	55°00'04.588" N
	413914.44	794532.59	17°39'12.895" E	55°00'24.000" N
	412747.80	796109.52	17°38'05.494" E	55°01'14.285" N
	412796.60	797131.01	17°38'07.119" E	55°01'47.362" N
	412724.65	797556.76	17°38'02.598" E	55°02'01.091" N
	412721.92	797570.52	17°38'02.429" E	55°02'01.534" N
	412718.43	797584.11	17°38'02.218" E	55°02'01.972" N
	412714.18	797597.48	17°38'01.963" E	55°02'02.402" N
	412709.18	797610.60	17°38'01.668" E	55°02'02.823" N
	412703.46	797623.41	17°38'01.331" E	55°02'03.233" N
	412697.03	797635.88	17°38'00.955" E	55°02'03.633" N
	412689.91	797647.97	17°38'00.541" E	55°02'04.020" N
	412682.12	797659.64	17°38'00.089" E	55°02'04.392" N
	412673.69	797670.86	17°37'59.602" E	55°02'04.750" N
	412664.64	797681.59	17°37'59.081" E	55°02'05.091" N
	412655.01	797691.79	17°37'58.527" E	55°02'05.415" N
	412644.82	797701.43	17°37'57.942" E	55°02'05.721" N
	412634.10	797710.49	17°37'57.328" E	55°02'06.007" N
	412622.89	797718.93	17°37'56.688" E	55°02'06.273" N
	412611.23	797726.73	17°37'56.022" E	55°02'06.518" N
	412599.14	797733.87	17°37'55.334" E	55°02'06.741" N
	412586.68	797740.31	17°37'54.624" E	55°02'06.941" N
	412573.87	797746.04	17°37'53.897" E	55°02'07.119" N
	412560.76	797751.05	17°37'53.153" E	55°02'07.273" N
	412547.40	797755.31	17°37'52.395" E	55°02'07.402" N
	412533.81	797758.82	17°37'51.626" E	55°02'07.507" N
	412520.05	797761.56	17°37'50.848" E	55°02'07.587" N
	412506.15	797763.52	17°37'50.063" E	55°02'07.641" N
	412492.17	797764.70	17°37'49.274" E	55°02'07.671" N
412478.14	797765.10	17°37'48.483" E	55°02'07.675" N	
412421.55	797765.10	17°37'45.296" E	55°02'07.639" N	
412407.71	797764.71	17°37'44.517" E	55°02'07.618" N	
412393.92	797763.57	17°37'43.741" E	55°02'07.572" N	
412380.21	797761.66	17°37'42.971" E	55°02'07.501" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	412366.62	797758.99	17°37'42.208" E	55°02'07.406" N
	412353.21	797755.57	17°37'41.456" E	55°02'07.287" N
	412340.00	797751.42	17°37'40.717" E	55°02'07.145" N
	412327.04	797746.55	17°37'39.993" E	55°02'06.979" N
	412314.38	797740.96	17°37'39.286" E	55°02'06.790" N
	412302.04	797734.68	17°37'38.598" E	55°02'06.579" N
	412290.07	797727.73	17°37'37.931" E	55°02'06.346" N
	412278.50	797720.13	17°37'37.288" E	55°02'06.093" N
	412267.37	797711.89	17°37'36.670" E	55°02'05.820" N
	412256.71	797703.06	17°37'36.079" E	55°02'05.527" N
	412246.56	797693.65	17°37'35.518" E	55°02'05.216" N
	412236.95	797683.69	17°37'34.987" E	55°02'04.888" N
	412227.90	797673.21	17°37'34.489" E	55°02'04.543" N
	412219.44	797662.25	17°37'34.025" E	55°02'04.183" N
	412211.61	797650.84	17°37'33.597" E	55°02'03.809" N
	412204.42	797639.01	17°37'33.205" E	55°02'03.422" N
	412197.89	797626.80	17°37'32.851" E	55°02'03.022" N
	412192.05	797614.25	17°37'32.536" E	55°02'02.613" N
	412186.92	797601.39	17°37'32.260" E	55°02'02.194" N
	412182.50	797588.27	17°37'32.026" E	55°02'01.766" N
	412178.82	797574.93	17°37'31.834" E	55°02'01.332" N
	412175.88	797561.40	17°37'31.683" E	55°02'00.893" N
	412173.69	797547.73	17°37'31.575" E	55°02'00.449" N
	412145.44	797333.13	17°37'30.221" E	55°01'53.489" N
5	412120.69	797310.88	17°37'28.852" E	55°01'52.753" N
	411904.36	797291.96	17°37'16.689" E	55°01'52.003" N
	411893.58	797290.62	17°37'16.083" E	55°01'51.953" N
	411882.91	797288.50	17°37'15.485" E	55°01'51.877" N
	411872.43	797285.62	17°37'14.898" E	55°01'51.777" N
	411862.19	797281.98	17°37'14.325" E	55°01'51.653" N
	411852.23	797277.61	17°37'13.769" E	55°01'51.506" N
	411842.62	797272.54	17°37'13.233" E	55°01'51.335" N
	411833.40	797266.78	17°37'12.720" E	55°01'51.143" N
	411824.62	797260.36	17°37'12.233" E	55°01'50.930" N
	411816.33	797253.33	17°37'11.774" E	55°01'50.697" N
	411808.57	797245.72	17°37'11.346" E	55°01'50.446" N
	411801.38	797237.56	17°37'10.950" E	55°01'50.177" N
	411794.81	797228.91	17°37'10.589" E	55°01'49.893" N

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	411788.87	797219.80	17°37'10.265" E	55°01'49.595" N
	411783.61	797210.29	17°37'09.979" E	55°01'49.284" N
	411779.06	797200.42	17°37'09.734" E	55°01'48.962" N
	411775.23	797190.24	17°37'09.529" E	55°01'48.630" N
	411772.15	797179.82	17°37'09.367" E	55°01'48.291" N
	411769.83	797169.20	17°37'09.248" E	55°01'47.946" N
	411768.28	797158.44	17°37'09.173" E	55°01'47.597" N
	411767.52	797147.59	17°37'09.143" E	55°01'47.245" N
	411767.55	797136.72	17°37'09.156" E	55°01'46.894" N
	411768.36	797125.88	17°37'09.214" E	55°01'46.543" N
	411769.96	797115.13	17°37'09.316" E	55°01'46.197" N
	411772.33	797104.52	17°37'09.461" E	55°01'45.855" N
	412341.67	794930.77	17°37'43.927" E	55°00'35.893" N
	412191.45	793914.76	17°37'36.594" E	55°00'02.929" N
	412277.28	792912.72	17°37'42.531" E	54°59'30.566" N
	410922.50	792507.68	17°36'26.756" E	54°59'16.596" N
	409637.51	791970.68	17°35'15.071" E	54°58'58.390" N
	408224.18	791708.45	17°33'55.870" E	54°58'48.976" N
6	408557.15	793709.98	17°34'12.297" E	54°59'53.947" N
	408390.74	792708.22	17°34'04.087" E	54°59'21.430" N
	409772.40	793135.24	17°35'21.338" E	54°59'36.153" N
	410120.21	794224.02	17°35'39.677" E	55°00'11.602" N
	410649.42	795512.42	17°36'08.013" E	55°00'53.627" N
	410803.88	796534.19	17°36'15.560" E	55°01'26.782" N
	411630.39	797242.82	17°37'01.313" E	55°01'50.238" N
	411639.55	797250.21	17°37'01.821" E	55°01'50.483" N
	411649.13	797257.06	17°37'02.353" E	55°01'50.711" N
	411659.09	797263.33	17°37'02.907" E	55°01'50.920" N
	411669.41	797269.00	17°37'03.482" E	55°01'51.110" N
	411680.05	797274.06	17°37'04.075" E	55°01'51.281" N
	411690.96	797278.48	17°37'04.685" E	55°01'51.431" N
	411702.11	797282.25	17°37'05.309" E	55°01'51.560" N
	411713.47	797285.36	17°37'05.945" E	55°01'51.668" N
	411724.99	797287.79	17°37'06.591" E	55°01'51.754" N
	411736.63	797289.54	17°37'07.245" E	55°01'51.818" N
411748.36	797290.61	17°37'07.904" E	55°01'51.860" N	
412120.69	797313.38	17°37'28.849" E	55°01'52.834" N	
7	412120.69	797323.38	17°37'28.838" E	55°01'53.157" N

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	411828.39	797348.95	17°37'12.347" E	55°01'53.798" N
	411815.22	797350.46	17°37'11.604" E	55°01'53.839" N
	411802.16	797352.66	17°37'10.865" E	55°01'53.901" N
	411789.23	797355.55	17°37'10.134" E	55°01'53.987" N
	411776.47	797359.12	17°37'09.411" E	55°01'54.094" N
	411763.92	797363.36	17°37'08.700" E	55°01'54.223" N
	411751.61	797368.26	17°37'08.001" E	55°01'54.374" N
	410959.06	797708.29	17°36'22.981" E	55°02'04.866" N
	409391.08	798730.11	17°34'53.495" E	55°02'36.902" N
	409225.12	797731.04	17°34'45.289" E	55°02'04.472" N
	409058.43	796727.60	17°34'37.051" E	55°01'31.900" N
	408891.67	795723.73	17°34'28.812" E	55°00'59.315" N
	408741.00	794709.00	17°34'21.496" E	55°00'26.388" N
8	413138.12	805255.85	17°38'17.435" E	55°06'10.427" N
	414696.75	803910.18	17°39'46.832" E	55°05'27.867" N
	414550.56	802731.54	17°39'39.860" E	55°04'49.646" N
	414102.40	801730.60	17°39'15.675" E	55°04'16.985" N
	414707.56	800109.20	17°39'51.540" E	55°03'24.906" N
	415252.69	799307.67	17°40'23.121" E	55°02'59.311" N
	415795.93	799760.18	17°40'53.251" E	55°03'14.283" N
	415805.88	799767.95	17°40'53.804" E	55°03'14.541" N
	415816.30	799775.08	17°40'54.384" E	55°03'14.778" N
	415827.15	799781.53	17°40'54.988" E	55°03'14.993" N
	415838.39	799787.29	17°40'55.615" E	55°03'15.186" N
	415849.97	799792.33	17°40'56.263" E	55°03'15.356" N
	415861.84	799796.62	17°40'56.927" E	55°03'15.502" N
	415873.96	799800.16	17°40'57.606" E	55°03'15.624" N
	415886.28	799802.93	17°40'58.298" E	55°03'15.721" N
	415898.74	799804.91	17°40'58.998" E	55°03'15.793" N
	415911.31	799806.11	17°40'59.705" E	55°03'15.839" N
	415923.93	799806.51	17°41'00.416" E	55°03'15.860" N
	416074.72	799806.51	17°41'08.914" E	55°03'15.952" N
	416083.30	799806.14	17°41'09.397" E	55°03'15.945" N
	416091.81	799805.03	17°41'09.878" E	55°03'15.915" N
	416100.20	799803.21	17°41'10.353" E	55°03'15.861" N
	416108.40	799800.66	17°41'10.818" E	55°03'15.783" N
416116.35	799797.43	17°41'11.270" E	55°03'15.683" N	
416124.00	799793.52	17°41'11.705" E	55°03'15.562" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	416131.28	799788.97	17°41'12.120" E	55°03'15.419" N
	416138.15	799783.81	17°41'12.512" E	55°03'15.256" N
	416144.55	799778.09	17°41'12.879" E	55°03'15.075" N
	416150.43	799771.83	17°41'13.217" E	55°03'14.876" N
	416155.75	799765.10	17°41'13.524" E	55°03'14.661" N
	416160.48	799757.93	17°41'13.798" E	55°03'14.432" N
	416164.58	799750.38	17°41'14.037" E	55°03'14.191" N
	416168.01	799742.51	17°41'14.239" E	55°03'13.938" N
	416170.75	799734.38	17°41'14.402" E	55°03'13.677" N
	416172.79	799726.04	17°41'14.526" E	55°03'13.408" N
	416174.11	799717.55	17°41'14.609" E	55°03'13.134" N
	416174.69	799708.99	17°41'14.651" E	55°03'12.858" N
	416174.53	799700.40	17°41'14.651" E	55°03'12.580" N
	416159.82	799459.95	17°41'14.077" E	55°03'04.792" N
9	412107.86	805930.09	17°37'18.554" E	55°06'31.586" N
	414199.29	805934.02	17°39'16.573" E	55°06'33.032" N
	415702.57	805929.94	17°40'41.412" E	55°06'33.829" N
	415042.34	804926.87	17°40'05.232" E	55°06'00.972" N
	414974.54	800313.01	17°40'06.368" E	55°03'31.664" N
	416091.42	799839.82	17°41'09.819" E	55°03'17.040" N
	416100.91	799835.39	17°41'10.359" E	55°03'16.902" N
	416110.08	799830.32	17°41'10.881" E	55°03'16.744" N
	416118.87	799824.62	17°41'11.383" E	55°03'16.565" N
	416127.24	799818.32	17°41'11.861" E	55°03'16.366" N
	416135.15	799811.45	17°41'12.314" E	55°03'16.149" N
	416142.56	799804.05	17°41'12.739" E	55°03'15.914" N
	416149.43	799796.15	17°41'13.135" E	55°03'15.662" N
	416155.74	799787.78	17°41'13.500" E	55°03'15.395" N
	416161.45	799779.00	17°41'13.831" E	55°03'15.115" N
	416166.53	799769.84	17°41'14.127" E	55°03'14.821" N
	416170.96	799760.35	17°41'14.386" E	55°03'14.517" N
	416174.72	799750.57	17°41'14.608" E	55°03'14.203" N
	416177.78	799740.55	17°41'14.792" E	55°03'13.881" N
	416180.14	799730.34	17°41'14.936" E	55°03'13.552" N
	416181.78	799720.00	17°41'15.039" E	55°03'13.218" N
	416182.70	799709.56	17°41'15.101" E	55°03'12.881" N
	416182.88	799699.09	17°41'15.123" E	55°03'12.542" N
	416182.33	799688.63	17°41'15.103" E	55°03'12.204" N

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	416162.32	799459.95	17°41'14.218" E	55°03'04.793" N
10	416164.82	799459.95	17°41'14.359" E	55°03'04.795" N
	416189.45	799647.04	17°41'15.549" E	55°03'10.862" N
	416191.36	799664.41	17°41'15.637" E	55°03'11.426" N
	416192.50	799681.85	17°41'15.683" E	55°03'11.990" N
	416192.88	799699.32	17°41'15.686" E	55°03'12.556" N
	416192.49	799716.79	17°41'15.646" E	55°03'13.121" N
	416191.34	799734.23	17°41'15.563" E	55°03'13.684" N
	416189.44	799751.60	17°41'15.437" E	55°03'14.245" N
	416186.77	799768.87	17°41'15.268" E	55°03'14.802" N
	415949.33	801112.13	17°41'00.461" E	55°03'58.115" N
	416114.70	802258.10	17°41'08.568" E	55°04'35.290" N
	416380.23	803532.71	17°41'22.193" E	55°05'16.687" N
	416748.61	804728.90	17°41'41.710" E	55°05'55.610" N
	417199.87	805930.02	17°42'05.910" E	55°06'34.740" N
11	416172.07	799450.20	17°41'14.777" E	55°03'04.484" N
	416311.26	799462.37	17°41'22.608" E	55°03'04.962" N
	416322.12	799463.72	17°41'23.218" E	55°03'05.012" N
	416332.84	799465.86	17°41'23.820" E	55°03'05.088" N
	416343.38	799468.77	17°41'24.411" E	55°03'05.189" N
	416353.68	799472.45	17°41'24.988" E	55°03'05.314" N
	416363.69	799476.86	17°41'25.547" E	55°03'05.463" N
	416373.35	799481.99	17°41'26.086" E	55°03'05.634" N
	416382.61	799487.81	17°41'26.602" E	55°03'05.828" N
	416391.42	799494.29	17°41'27.091" E	55°03'06.043" N
	416399.73	799501.40	17°41'27.552" E	55°03'06.278" N
	416407.51	799509.09	17°41'27.982" E	55°03'06.532" N
	416414.70	799517.33	17°41'28.379" E	55°03'06.803" N
	416421.27	799526.07	17°41'28.740" E	55°03'07.089" N
	416427.19	799535.26	17°41'29.064" E	55°03'07.391" N
	416432.43	799544.87	17°41'29.349" E	55°03'07.704" N
	416436.95	799554.82	17°41'29.593" E	55°03'08.029" N
	416440.73	799565.09	17°41'29.795" E	55°03'08.364" N
	416443.75	799575.60	17°41'29.955" E	55°03'08.705" N
	416446.01	799586.30	17°41'30.070" E	55°03'09.053" N
417110.40	803436.87	17°42'03.477" E	55°05'14.028" N	
417114.11	803456.10	17°42'03.666" E	55°05'14.652" N	
417118.57	803475.16	17°42'03.898" E	55°05'15.272" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	417123.77	803494.04	17°42'04.171" E	55°05'15.886" N
	417129.70	803512.70	17°42'04.486" E	55°05'16.493" N
	417136.36	803531.12	17°42'04.843" E	55°05'17.093" N
	417143.74	803549.26	17°42'05.240" E	55°05'17.684" N
	417151.82	803567.09	17°42'05.677" E	55°05'18.266" N
	417160.60	803584.60	17°42'06.154" E	55°05'18.837" N
	417170.05	803601.75	17°42'06.669" E	55°05'19.398" N
	417180.17	803618.51	17°42'07.222" E	55°05'19.946" N
	417190.93	803634.87	17°42'07.812" E	55°05'20.482" N
	417202.33	803650.79	17°42'08.438" E	55°05'21.004" N
	417214.34	803666.26	17°42'09.100" E	55°05'21.512" N
	417226.95	803681.24	17°42'09.795" E	55°05'22.004" N
	417240.14	803695.72	17°42'10.524" E	55°05'22.480" N
	417253.88	803709.66	17°42'11.284" E	55°05'22.940" N
	418508.75	804934.47	17°43'20.803" E	55°06'03.313" N
	418663.56	805920.96	17°43'28.522" E	55°06'35.320" N
	420092.73	805715.61	17°44'49.385" E	55°06'29.513" N
	421546.91	805731.76	17°46'11.434" E	55°06'30.872" N
	421640.06	804639.89	17°46'17.774" E	55°05'55.600" N
	421244.03	803508.93	17°45'56.557" E	55°05'18.784" N
12	420111.40	804717.90	17°44'51.448" E	55°05'57.245" N
	419827.37	803711.98	17°44'36.444" E	55°05'24.536" N
	418130.04	803792.88	17°43'00.619" E	55°05'26.155" N
	418056.38	803791.21	17°42'56.465" E	55°05'26.057" N
	418036.73	803790.38	17°42'55.358" E	55°05'26.019" N
	418017.14	803788.77	17°42'54.255" E	55°05'25.955" N
	417997.62	803786.40	17°42'53.156" E	55°05'25.867" N
	417978.21	803783.26	17°42'52.064" E	55°05'25.754" N
	417958.94	803779.36	17°42'50.981" E	55°05'25.616" N
	417939.83	803774.71	17°42'49.909" E	55°05'25.454" N
	417920.93	803769.31	17°42'48.848" E	55°05'25.268" N
	417902.25	803763.16	17°42'47.801" E	55°05'25.058" N
	417883.83	803756.29	17°42'46.769" E	55°05'24.825" N
	417865.69	803748.70	17°42'45.753" E	55°05'24.569" N
	417847.86	803740.41	17°42'44.757" E	55°05'24.290" N
	417830.38	803731.42	17°42'43.780" E	55°05'23.989" N
	417813.26	803721.75	17°42'42.824" E	55°05'23.665" N
	417796.53	803711.41	17°42'41.891" E	55°05'23.321" N

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
417780.23	803700.42	17°42'40.983" E	55°05'22.956" N	
417764.37	803688.80	17°42'40.101" E	55°05'22.570" N	
417748.97	803676.57	17°42'39.245" E	55°05'22.165" N	
417734.07	803663.74	17°42'38.418" E	55°05'21.742" N	
417719.69	803650.33	17°42'37.621" E	55°05'21.299" N	
417705.85	803636.37	17°42'36.854" E	55°05'20.839" N	
417692.56	803621.88	17°42'36.120" E	55°05'20.362" N	
417679.85	803606.87	17°42'35.419" E	55°05'19.869" N	
417667.75	803591.38	17°42'34.752" E	55°05'19.361" N	
417656.26	803575.42	17°42'34.121" E	55°05'18.838" N	
417645.41	803559.03	17°42'33.526" E	55°05'18.301" N	
417635.21	803542.22	17°42'32.968" E	55°05'17.751" N	
417625.68	803525.02	17°42'32.449" E	55°05'17.189" N	
417616.84	803507.46	17°42'31.968" E	55°05'16.615" N	
417608.69	803489.56	17°42'31.527" E	55°05'16.032" N	
417601.25	803471.36	17°42'31.127" E	55°05'15.438" N	
417594.53	803452.89	17°42'30.767" E	55°05'14.837" N	
417588.55	803434.16	17°42'30.449" E	55°05'14.227" N	
417583.30	803415.21	17°42'30.173" E	55°05'13.611" N	
417578.81	803396.07	17°42'29.939" E	55°05'12.989" N	
417575.07	803376.76	17°42'29.748" E	55°05'12.362" N	
417572.09	803357.33	17°42'29.601" E	55°05'11.732" N	
417569.88	803337.79	17°42'29.496" E	55°05'11.098" N	
417568.44	803318.18	17°42'29.436" E	55°05'10.463" N	
417567.77	803298.53	17°42'29.418" E	55°05'09.827" N	
417567.87	803278.87	17°42'29.445" E	55°05'09.191" N	
417581.49	802732.89	17°42'30.782" E	55°04'51.535" N	
417562.68	801711.87	17°42'30.785" E	55°04'18.492" N	
417544.12	800712.61	17°42'30.780" E	55°03'46.152" N	
416570.82	799520.40	17°41'37.174" E	55°03'06.997" N	
416564.03	799512.64	17°41'36.799" E	55°03'06.741" N	
416556.72	799505.37	17°41'36.395" E	55°03'06.502" N	
416548.93	799498.61	17°41'35.963" E	55°03'06.278" N	
416540.70	799492.41	17°41'35.505" E	55°03'06.073" N	
416532.05	799486.79	17°41'35.024" E	55°03'05.886" N	
416523.04	799481.77	17°41'34.522" E	55°03'05.718" N	
416513.71	799477.39	17°41'34.001" E	55°03'05.570" N	
416504.10	799473.65	17°41'33.463" E	55°03'05.444" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	416494.25	799470.59	17°41'32.911" E	55°03'05.339" N
	416484.22	799468.21	17°41'32.348" E	55°03'05.256" N
	416474.05	799466.52	17°41'31.777" E	55°03'05.195" N
	416463.79	799465.54	17°41'31.200" E	55°03'05.157" N
	416172.07	799447.70	17°41'14.780" E	55°03'04.403" N
13	417451.78	794310.10	17°42'32.241" E	55°00'18.961" N
	417446.98	795307.80	17°42'30.933" E	55°00'51.236" N
	417468.82	796332.46	17°42'31.097" E	55°01'24.399" N
	417492.79	797710.64	17°42'31.014" E	55°02'09.001" N
	417509.01	798710.13	17°42'30.887" E	55°02'41.347" N
	417526.47	799709.58	17°42'30.830" E	55°03'13.692" N
	416527.77	799426.89	17°41'34.846" E	55°03'03.945" N
	416517.96	799424.47	17°41'34.296" E	55°03'03.861" N
	416508.01	799422.71	17°41'33.737" E	55°03'03.798" N
	416497.96	799421.63	17°41'33.172" E	55°03'03.757" N
	416487.86	799421.22	17°41'32.603" E	55°03'03.738" N
	416477.76	799421.50	17°41'32.033" E	55°03'03.741" N
	416172.07	799440.20	17°41'14.788" E	55°03'04.160" N
14	416147.32	799459.95	17°41'13.372" E	55°03'04.784" N
	416131.54	799579.85	17°41'12.356" E	55°03'08.654" N
	416130.08	799588.19	17°41'12.265" E	55°03'08.923" N
	416127.92	799596.38	17°41'12.134" E	55°03'09.186" N
	416125.07	799604.35	17°41'11.966" E	55°03'09.442" N
	416121.56	799612.06	17°41'11.760" E	55°03'09.690" N
	416117.42	799619.44	17°41'11.518" E	55°03'09.926" N
	416112.66	799626.44	17°41'11.242" E	55°03'10.150" N
	416107.32	799633.02	17°41'10.935" E	55°03'10.359" N
	416101.45	799639.12	17°41'10.598" E	55°03'10.553" N
	416095.09	799644.71	17°41'10.233" E	55°03'10.730" N
	416088.27	799649.73	17°41'09.844" E	55°03'10.888" N
	416081.05	799654.16	17°41'09.432" E	55°03'11.027" N
	416073.49	799657.96	17°41'09.002" E	55°03'11.145" N
	416065.63	799661.11	17°41'08.556" E	55°03'11.243" N
	416057.53	799663.59	17°41'08.097" E	55°03'11.318" N
	416049.25	799665.37	17°41'07.628" E	55°03'11.370" N
	416040.85	799666.44	17°41'07.154" E	55°03'11.400" N
416032.39	799666.80	17°41'06.677" E	55°03'11.406" N	
415974.51	799666.80	17°41'03.415" E	55°03'11.371" N	

Cable No.	Geographic coordinates			
	PUWG 1992 [m]		Geocentric geodetic coordinate system GRS80h [DD°MM'SS.SSS"]	
	Y	X	Length	Width
	415966.15	799666.45	17°41'02.944" E	55°03'11.355" N
	415957.85	799665.40	17°41'02.477" E	55°03'11.316" N
	415949.67	799663.66	17°41'02.018" E	55°03'11.254" N
	415941.66	799661.25	17°41'01.569" E	55°03'11.171" N
	415933.88	799658.17	17°41'01.134" E	55°03'11.067" N
	415926.38	799654.45	17°41'00.715" E	55°03'10.942" N
	415919.22	799650.12	17°41'00.317" E	55°03'10.798" N
	415912.45	799645.21	17°40'59.940" E	55°03'10.635" N
	415906.11	799639.75	17°40'59.589" E	55°03'10.454" N
	415900.25	799633.77	17°40'59.265" E	55°03'10.257" N
	415894.91	799627.33	17°40'58.971" E	55°03'10.046" N
	415890.13	799620.47	17°40'58.709" E	55°03'09.821" N
	415885.94	799613.22	17°40'58.480" E	55°03'09.584" N
	415663.92	799189.67	17°40'46.420" E	55°02'55.746" N
	415655.18	799172.16	17°40'45.945" E	55°02'55.174" N
	415647.12	799154.32	17°40'45.511" E	55°02'54.592" N
	415639.77	799136.18	17°40'45.116" E	55°02'54.000" N
	415633.14	799117.76	17°40'44.761" E	55°02'53.400" N
	415360.00	798310.34	17°40'30.233" E	55°02'27.111" N
	415365.82	797311.43	17°40'31.628" E	55°01'54.798" N
	415138.76	796358.33	17°40'19.858" E	55°01'23.824" N
	415126.68	795392.16	17°40'20.211" E	55°00'52.559" N
	416175.28	794734.34	17°41'19.942" E	55°00'31.917" N

The positions of wind turbines, substations and inter array cables indicated in the above tables may change up to 100 m for monopiles (wind turbines and substations) and up to 200 m for cables.

In the Baltic Power OWF area, cables shall be buried in the seabed to a depth of up to 3 m below the seabed. In case of unfavorable geotechnical conditions (e.g. on stone field or when the seabed is too hard to bury the cables), the cables shall be laid directly on the seabed.

The substations planned for construction as part of the project are used to transform and transfer energy generated by offshore wind turbines to the shore. The task of substations is to increase the voltage of the current from the offshore wind turbines with a voltage of 66 kV to the level of 230 kV, which, in consequence, is to reduce losses, increase the transmission power or enable a reduction of conductor cross-section in the cables. The basic components of substations include main and auxiliary/grounding transformers, high-voltage and auxiliary switchgear, along with a back-up generator. The substations shall be installed on monopiles, similarly to offshore wind turbines.

Due to the location of the planned project implemented entirely in the offshore area, all related

activities in all phases of its course shall be conducted in the mode of maritime operations, taking into account their special conditions and specificity. Deliveries to and from the Baltic Power OWF area shall be performed using various types of vessels: construction and installation vessels, transport vessels, transport barges (platforms), push boats and tugboats, service vessels.

The construction phase shall include:

- preparation of the seabed prior to the foundation of monopiles for individual offshore wind turbines and offshore substations. The type of measures used shall be determined by the geological conditions at the foundation sites of the support structures;
- transport and foundation of monopiles in the seabed (including piling using special pile drivers);
- transport and installation of elements of wind turbines, substations on monopiles;
- laying the inter array cable connections connecting the various Baltic Power OWF structures.

Activities related to the transport of large-size structural elements of the Baltic Power OWF shall be carried out from ports that have sufficient length and load-bearing capacity of the quayside, allowing for installation, storage and loading of structural elements of the Baltic Power OWF as well as appropriate depth of port basins, enabling operation of large construction vessels therein. At the current stage of development of the Baltic Power OWF project, the ports in Świnoujście and Rønne are considered as installation ports. The nearest port with complete and used infrastructure intended for offshore wind activities is the port of Rønne in Denmark (on Bornholm Island). The closest Polish port that can act as an installation port is the port in Świnoujście.

During the operation phase of the Baltic Power OWF, it shall be possible to use a smaller port located closer to the Baltic Power OWF area, i.e. the port in Łeba.

During the decommissioning phase, most of the Baltic Power OWF facilities will be probably removed from the seabed. Decommissioning works shall be carried out in such a manner that they do not hinder navigation and do not adversely affect the marine environment. It is possible to leave facilities when:

- the weight of the monopile in the air exceeds 4,000 tons or it is located at a depth of more than 100 m, provided that it does not hinder the use of maritime areas by other sectors of the economy;
- removal of the components is technically impossible or too expensive;
- there is a threat to the life of the Baltic Power OWF decommissioning personnel;
- decommissioning involves an unacceptable risk of polluting the marine environment.

* GENERAL DIRECTOR FOR
ENVIRONMENTAL
PROTECTION

General Director
for Environmental Protection

Andrzej Szweda-Lewandowski



GENERAL DIRECTOR FOR ENVIRONMENTAL PROTECTION

Warszawa, 1 marca 2023 r.

DOOŚ-WDŚZOO.420.32.2022.SP.12

DECISION

Pursuant to:

- Article 155 of the Act of June 14, 1960 – Code of Administrative Procedure (consolidated text: Journal of Laws of 2022, item 2000), hereinafter referred to as the CAP and
- Article 87 of the Act of October 3, 2008 on access to information on the environment and its protection, public participation in environmental protection and on environmental impact assessments (Journal of Laws of 2022, item 1029, as amended), hereinafter referred to as the EIA Act,
- Article 71 section 2 point 1 of the EIA Act and § 2 section 1 point 5 letters a and b of the Regulation of the Council of Ministers of September 10, 2019 on projects that may significantly impact the environment (Journal of Laws of 2019, item 1839 as amended),

having examined the application of Baltic Power Spółka z ograniczoną odpowiedzialnością of August 2, 2022:

I. I hereby amend my own decision of June 29, 2022, ref. No.: DOOŚ-WDŚZOO.420.59.2021.SP.10, on environmental conditions for the project entitled *Baltic Power Offshore Wind Farm*, as follows:

1. Point II of the operative part of the decision shall read as follows:

“I specify the project type and implementation location.

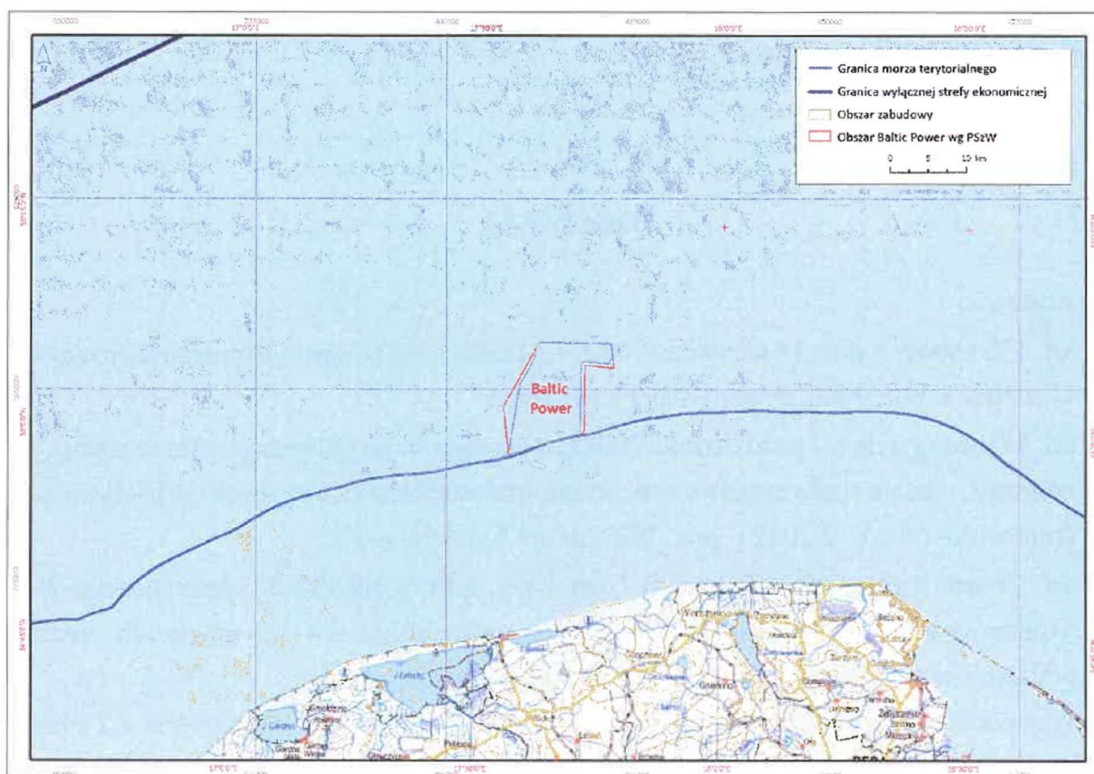
The project covers the construction, operation and decommissioning of the Baltic Power offshore wind farm (hereinafter referred to as the Baltic Power OWF) with a total maximum capacity of 1,200 MW, located in the development area of 113.72 km² in the Polish Exclusive Economic Zone, approximately 22.5 km from the coastline, north of the municipalities of Łeba and Choczewo. The project involves the construction of 76 offshore wind turbines (with a nominal single wind turbine capacity of 15 MW), along with two offshore MV/HV substations. Moreover, a maximum of 120 km of inter array cable routes (power and communication lines) shall be laid in the Baltic Power OWF area.

Each offshore wind turbine shall consist of a nacelle with a rotor, a tower, a transition piece and a monopile sunk into the seabed.

The purpose of the planned project is to generate electricity using a renewable energy source – wind.

The approximate location of the planned offshore wind farm in relation to the coast is presented in Figure 1 below.

Figure 1. Baltic Power OWF approximate location



PL	EN
Granica morza terytorialnego	Boundary of the territorial sea
Granica wyłącznej strefy ekonomicznej	Boundary of the Exclusive Economic Zone
Obszar zabudowy	Development area
Obszar Baltic Power wg PSzW	Baltic Power area according to the permit for erection and use of artificial islands, structures and devices

The detailed scope and location of the project (coordinates of the Baltic Power OWF area, coordinates of the farm development area and coordinates of wind turbines, substations and inter array cable infrastructure) is included in the project characteristics.”.

2. Point III.1.2 of the operative part of the decision shall read as follows:

“the ground referred to in point 1.1 shall be made using waterproof and frost-resistant concrete slabs or using geomembranes;”.

- 3. Point III.1.3 of the operative part of the decision shall read as follows:**

“in burial locations of inner array power cables in the Baltic Power OWF area, they shall be laid at a depth up to 3 m below the seabed surface;”.
- 4. Point III.1.4 of the operative part of the decision shall read as follows:**

“in burial locations of inner array power cables in the Baltic Power OWF area, the cables should be laid using jet trenching, mechanical soil cutting or plowing depending on the type of soil;”.
- 5. Point III. 1.5 of the operative part of the decision shall read as follows:**

“during the construction stage, strong upward-positioned light shall not be used from dusk to dawn, save for the lighting required by the OH&S standards;”.
- 6. Point III.1.6 of the operative part of the decision shall read as follows:**

“construction work shall be started from a single site, gradually expanding the offshore wind farm to include additional offshore wind turbines and other structures;”.
- 7. Point III.1.8 of the operative part of the decision shall read as follows:**

“after the completion of the construction work, all construction debris and possible pollution shall be removed from the seabed;”.
- 8. Point III.1.9 of the operative part of the decision shall read as follows:**

“during the operation stage, small, pulsating light sources of low intensity shall be used to illuminate wind turbines; from dusk to dawn, the light shall not be directed upward, save for the lighting required by the OH&S standards;”.
- 9. Point III.1.10 of the operative part of the decision shall read as follows:**

“during the operation stage, light emission should be limited, subject to lighting required by OH&S standards;”.
- 10. Point III.1.13 of the operative part of the decision shall read as follows:**

“at least two hours before the commencement of sonar works, acoustic deterrent devices, such as pingers, shall be used;”.
- 11. Point III.3.2 of the operative part of the decision shall read as follows:**

“acoustic deterrent devices, such as pingers, shall be used at least two hours before piling;”.
- 12. Point III.3.3 of the operative part of the decision shall read as follows:**

“piling shall be performed under the ornithological monitoring. In the period from the beginning of August to the end of March, soft start piling can be started after the ornithological monitoring determines that there are no groups of common guillemots, razorbills, long-tailed ducks and velvet scoters in an area with a radius of 2 km from the piling site. If the groups of the above-mentioned species are observed, piling shall be stopped until the individuals move away;”.
- 13. Point III.3.4 of the operative part of the decision shall read as follows:**

“while piling, noise mitigation systems, such as air curtains, acoustic screens, cofferdam systems or other technology shall be used, ensuring that the following maximum underwater noise levels are not exceeded at a distance of 11 km from the piling site:

- 140 dB re 1 $\mu\text{Pa}^2\text{s}$ SEL_{cum} and HF-weighted (HF-weighting function for marine mammals with high sensitivity to high frequency noise – porpoises),
- 170 dB re 1 $\mu\text{Pa}^2\text{s}$ SEL_{cum} and PW-weighted (PW-weighting function for pinniped marine mammals – seals),
- 186 dB re 1 $\mu\text{Pa}^2\text{s}$ SEL_{cum} unweighted for fish;”.

14. Point III.3.5 of the operative part of the decision shall read as follows:

“the rotor tips of offshore wind turbines should be painted in bright colors that reflect or absorb UV radiation;”.

15. Point III.3.7 of the operative part of the decision shall read as follows:

“during the decommissioning stage, strong upward-positioned light shall not be used from dusk to dawn, save for the lighting required by the OH&S standards;”.

16. Point III.3.10 of the operative part of the decision shall read as follows:

“after completion of operation of the Baltic Power OWF, it is recommended to remove all its components. It is permitted to leave parts of structures founded in the seabed or on the seabed if they constitute habitats of valuable communities of marine organisms. Before starting the removal of elements of the Baltic Power OWF, an environmental inventory of the objects founded in the seabed or on the seabed shall be conducted under the supervision of an ichthyologist and bentologist. The inventory results shall be submitted to the Regional Director for Environmental Protection in Gdańsk and the General Director for Environmental Protection;”.

17. Point III.3.11 of the operative part of the decision shall read as follows:

“during the decommissioning stage of the Baltic Power OWF, the wind turbines and other structures shall be removed gradually;”.

18. Point III.4 of the operative part of the decision shall read as follows:

“I impose an obligation to monitor the environmental impact of the project to the following extent:

4.1 monitoring of water and bottom sediment quality and sediment dispersion:

4.1.1 pre-investment monitoring – if, after conducting the water quality tests performed for the purposes of the application for the decision on environmental conditions, there are extraordinary hazards which may result in the contamination of water and sediments in the Baltic Power OWF area, it is necessary to perform pre-investment monitoring, i.e. during winter, before the commencement of construction works, single water quality tests, including the following hydrochemical parameters shall be carried out: oxygen conditions (dissolved oxygen), total organic carbon (TOC), acidification (pH) and concentration of biogenic substances (ammonium nitrogen, nitrate nitrogen, total nitrogen, mineral nitrogen, phosphates, total phosphorus), turbidity of water, total suspended matters as well as concentration of harmful substances in water and bottom sediments, such as: mercury, heavy metals, phenols, mineral oils, polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB);

4.1.2 monitoring during the construction stage of the Baltic Power OWF:

- a. if an event of anthropogenic origin significantly agitating sediments occurs before the commencement of the works interfering with the seabed, suspended matter monitoring should be carried out by the measurement of: water turbidity, determining the extent and concentration of suspended matters, and determining the thickness of deposited bottom material in accordance with the methodology indicated in letters b, c and d;
 - b. suspended matter monitoring to be carried out once during the execution of works interfering with the seabed;
 - c. the suspended matter monitoring shall be carried out for a minimum of 4 planned offshore wind turbines, implemented in the Baltic Power OWF area, in locations that have different abiotic conditions;
 - d. the measurement of total suspended matter concentration shall be described in the form of profiles with a radius of 500 m from the site of disturbance in the E and SE directions;
- 4.1.3 post-development monitoring – during the Baltic Power OWF operation stage:
- a. in the fifth year after the completion of the construction, hydrochemical parameters of water shall be tested, such as: dissolved oxygen, total organic carbon (TOC), acidification (pH) and biogenic substances (ammonia nitrogen, nitrate nitrogen, total nitrogen, mineral nitrogen, phosphates, total phosphorus), water turbidity, total suspended matter;
 - b. in the fifth year after the completion of the Baltic Power OWF construction, the concentration of harmful substances in water and bottom sediments shall be measured, such as: mercury, nickel, lead, cadmium, arsenic, total chromium, chromium (VI), zinc, aluminum, phenols, mineral oils, polycyclic aromatic hydrocarbons (PAH), polychlorinated biphenyls (PCB), TBT;
- 4.1.4 surveys of the quality of water and bottom sediments, referred to in point 4.1.1 and 4.1.3, shall be conducted in a minimum of 4 representative measurement and control points distributed in the Baltic Power OWF area, which are characterized by different abiotic conditions, and in a minimum of 4 measurement and control points in the reference area designated outside the Baltic Power OWF area, which are characterized by similar abiotic conditions to the representative points designated in the Baltic Power OWF area;
- 4.1.5 monitoring of quality of water and bottom sediments and sediment dispersion shall be conducted taking into account the current guidelines adopted by the Baltic Marine Environment Protection Commission – Helsinki Commission (HELCOM);
- 4.2 underwater noise monitoring:
- 4.2.1 pre-investment monitoring – before the commencement of the Baltic Power OWF construction:
- a. if events of anthropogenic origin causing significant and long-term deterioration of underwater acoustic conditions occur before the commencement of the work, conduct background noise measurements again in the middle of the area occupied by the Baltic Power OWF;

- b. conduct background noise measurements separately for three sea states: at about 2, 4 and 6 Bft. For each sea state, conduct 4 round-the-clock measurements, one per each successive quarter;
- 4.2.2 monitoring during the construction stage of the Baltic Power OWF:
- a. monitor underwater noise level throughout the entire period of work related to piling into the seabed. For each wind turbine, conduct measurements at one point at a distance of 11 km from the piling site in the main direction of noise propagation. Also perform the measurement on the border of the PLH220023 Słowińska Refuge Natura 2000 site;
 - b. in at least 10 locations in the OWF area and the 5 km buffer, continuous underwater noise surveys to be performed during the entire piling process;
- 4.2.3 underwater noise measurements shall be performed using calibrated hydrophones in the frequency range from 10 Hz to 20 kHz;
- 4.2.4 underwater noise monitoring shall be carried out taking into account the current guidelines of the Bundesamt für Seeschifffahrt und Hydrographie;
- 4.3 monitoring of seabirds;
- 4.3.1 pre-investment monitoring – before the commencement of the Baltic Power OWF construction:
- a. on an annual basis, prior to the start of construction works, during the day from early October to the end of May, conduct bird counts at a frequency of two cruises per month (in cases justified by weather conditions, it is permissible to carry out one cruise per month). In the other months, due to lower bird numbers, survey cruises are to be performed twice – one in August and one in September;
 - b. the monitoring shall cover the Baltic Power OWF area and the 5-kilometer zone around the boundaries of the Baltic Power OWF, as well as the reference area;
- 4.3.2 post-development monitoring – during the Baltic Power OWF operation stage:
- a. during the day, from early October to the end of May, conduct bird counts at a frequency of two cruises per month (in cases justified by weather conditions, it is permissible to carry out one cruise per month). In the other months, due to lower bird numbers, survey cruises are to be performed twice – one in August and one in September. In order to compare survey results, the route of the survey cruise should be the same or very similar to that conducted during the pre-investment monitoring;
 - b. the monitoring shall cover the Baltic Power OWF area and the 5-kilometer zone around the boundaries of the Baltic Power OWF, as well as the reference area;
 - c. the surveys shall be carried out in the first and third year of operation of the Baltic Power OWF;
- 4.4 monitoring of migratory birds:
- 4.4.1 post-development monitoring – during the Baltic Power OWF operation stage:
- a. monitoring of migratory birds should be conducted using simultaneous visual and radar

observations to identify flight direction, response and species, as well as acoustic surveys conducted at night;

- b. as part of radar surveys of migratory birds, the trajectory of birds flying towards the Baltic Power OWF and their reaction to encountering the Baltic Power OWF barrier, and the intensity of migration in the Baltic Power OWF area and its immediate vicinity should be determined;
- c. the research stations should be located on a permanent platform (e.g. Baltic Power OWF substation) or an anchored vessel so that to allow for observation of the Baltic Power OWF from the direction from which birds arrive at a given migration stage (on the south-western side of the Baltic Power OWF in spring and on the north-eastern side of the Baltic Power OWF in autumn);
- d. conduct monitoring of migratory birds in two cycles in a year, resulting from two migration periods of birds, i.e. from the beginning of March to the end of May, and from the beginning of July to the end of November, in the first and third year after the completion of the entire Baltic Power OWF;
- e. in each migration season, observations should be carried out for not less than 20 days in 2–5-day sessions, distributed evenly throughout the given season;

4.5 bat monitoring:

4.5.1 conduct bat monitoring in the first and third year after completion of the construction of the entire Baltic Power OWF. The monitoring shall be carried out during the periods of spring migration (early April – late May) and autumn migration (early August – late October);

4.5.2 the equipment allowing automatic recording and meeting the minimum requirements for equipment used for surveys at the stage of wildlife survey should be used for bat monitoring. The equipment may be mounted, e.g. on the mast of the research and measurement station, with the number of recorders not less than 1 recorder per 5 offshore wind turbines;

4.6 monitoring of porpoises and seals:

4.6.1 monitoring during the construction stage of the Baltic Power OWF:

- a. at least 5 C-POD devices for porpoise monitoring should be placed in the area of the designed Baltic Power OWF. Place additional 5 C-POD devices in a gradient pattern in an area up to 20 km from the Baltic Power OWF area, in locations agreed with a teriologist and underwater noise specialist from environmental supervision;
- b. start porpoise monitoring no later than 6 months before the start of construction works and continue throughout the construction phase;

4.6.2 post-development monitoring – during the Baltic Power OWF operation stage:

- a. survey monitoring of porpoises' presence shall be carried out in the first and third year after completion of the entire Baltic Power OWF using the same methods as for the wildlife survey;
- b. seal surveys should be performed during seabird surveys conducted as part of the post-

development monitoring;

4.7 monitoring of ichthyofauna:

4.7.1 conduct ichthyofauna surveys in spring and summer both during the operation of the Baltic Power OWF (in the first and fifth year after the completion of construction) and after its decommissioning (first year after decommissioning);

4.7.2 for ichthyofauna surveys, a set of survey tools in the form of multi-panel bottom meshes, and in the case of early development stages, an ichthyoplankton mesh of Bongo type should be used;

4.7.3 ichthyofauna research stations shall be located both in the Baltic Power OWF area and on the water region not intended for offshore wind energy generation that is characterized by similar parameters of the marine environment (depth, distance from the shore);

4.7.4 as part of ichthyofauna monitoring, assess whether the artificial reef effect shall be limited only to attracting fish to its area from the nearby water region or whether a real increase in population is found;

4.8 benthos post-development monitoring – during the Baltic Power OWF operation stage:

4.8.1 surveys of epiphytic fauna and flora:

a. during the surveys of the epiphytic flora and fauna, make video and photo documentation of the entire riser of the foundation or support structure overgrown by macroalgae and epiphytic fauna;

b. starting from the water surface and heading to the depth of the maximum identified range of epiphytic organisms, at individual depths, at maximum 2 m intervals, collect samples from a specific surface for surveying the taxonomic composition and biomass of epiphytic fauna and flora;

c. pay special attention to invasive species when conducting monitoring;

d. conduct surveys of the epiphytic fauna and flora in accordance with the methodology contained in the methodological guide “Macroalgae and Angiosperms” (Kruk-Dowgiałło L. et al., (in:) “Przewodniki metodyczne do badań terenowych i analiz laboratoryjnych elementów biologicznych wód przejściowych i przybrzeżnych” [Methodological guides for field surveys and laboratory analyses of biological elements of transitional and coastal waters], 2010);

4.8.2 macrozoobenthos surveys

a. in the vicinity of a single foundation or support structure of the offshore wind turbine, 6 stations are to be designated for macrozoobenthos monitoring, including 3 stations on the transect of the main profile (in the near-bed current axis) at a distance of 20, 50 and 100 m from the foundation or support structure, and 3 stations on the transect perpendicular to the main profile (reference profile) at the same distances;

b. conduct macrozoobenthos surveys in accordance with current methodologies adopted by the Baltic Marine Environment Protection Commission – Helsinki Commission (HELCOM);

- 4.8.3 perform benthic surveys within a minimum of 5 foundations or support structures of offshore wind turbines, covering turbines built at different stages and located in different parts of the Baltic Power OWF area. Monitoring shall be aimed at the survey of colonization of artificial hard substrates by animal and plant periphyton (epiphyte) communities;
- 4.8.4 perform the first benthic surveys when at least 3 months have passed since the completion of the construction of the offshore wind turbine selected for monitoring. Perform subsequent surveys once in June, 2 and 4 years after the first survey. The last surveys should be performed one year before the planned disassembly of the offshore wind turbine.
- 4.9 the results of the conducted monitoring, together with a proposal (if necessary) for preventive or mitigation measures, shall be provided to Regional Director for Environmental Protection in Gdańsk and General Director for Environmental Protection in the form of:
 - a. periodical reports, within 3 months from the end of a given year of survey;
 - b. final reports (summarizing the whole survey cycle) – within 6 months after completion of the survey for a given environmental resource;
- 5. ensure environmental supervision over the project implementation:
 - 5.1 a specialist supervising the implementation of the provisions of the decision on environmental conditions in the scope of underwater noise emission;
 - 5.2 specialists supervising the performance of environmental surveys in the fields of ornithology, chiropterology, theriology with specialization in marine fauna, ichthyology, benthology surveys, surveys of marine bottom sediments.”;

19. Point IV of the operative part of the decision shall read as follows:

“I find no obligation to carry out the project environmental impact assessment as part of the procedure for issuing the decisions referred to in Article 72 section 1 point 1, of the EIA Act.”

20. Appendix to the decision – project characteristics shall read as specified in the Appendix to this decision.

II. In the remaining part, I leave the decision unchanged.

Justification

By decision of September 17, 2021, the Regional Director for Environmental Protection in Gdańsk, acting pursuant to Article 71 section 2 point 1 of the EIA Act, in connection with the application of Baltic Power Sp. z o.o. of July 10, 2020, specified the environmental conditions for the implementation of the project in question.

On October 15, 2021, the “Grand Agro Fundacja Ochrony Środowiska Naturalnego” Foundation, which participates in the procedure as a party pursuant to Article 44 section 2 of the EIA Act, appealed against the above decision.

As a result of the appeal procedure, the General Director for Environmental Protection revoked in full the decision of the Regional Director for Environmental Protection in Gdańsk on September 17, 2021 and issued the decision of June 29, 2022, ref. No.: DOOŚ-WDŚZOO.420.59.2021.SP.10, on

environmental conditions for the project entitled *Baltic Power Offshore Wind Farm*.

On August 2, 2022, Baltic Power sp. z o.o. filed the application for an amendment to the decision of the General Director for Environmental Protection of June 29, 2022. Then, on August 3, 2022 the Company filed a complaint against the decision of the General Director for Environmental Protection with the Voivodeship Administrative Court in Warsaw. By the decision of November 23, 2022, file No. IV SA/Wa 1806/22, the Voivodeship Administrative Court in Warsaw suspended the court procedures.

The Company supplemented the application for an amendment to the decision by letters of November 2, 2022, December 1, 2022 and December 23, 2022.

In accordance with Article 155 of the Code of Administrative Procedure, the final decision, by virtue of which the party obtained the right, may be upon consent of the party revoked or amended at any time by the public administration authority that issued it, if special regulations are not opposed to such revocation or amendment and such revocation or amendment is in public interest or legitimate interest of the party. However, pursuant to Article 87 of the EIA Act, the consent is granted only by the party which submitted the application for issuing the decision on environmental conditions or by the entity to which the decision on environmental conditions was transferred. Moreover, it follows from the contents of Article 87 of the EIA Act that the provisions of section V and section VI of this Act shall apply accordingly in the event of an amendment to the decision on environmental conditions.

By letters of November 8, 2022, and subsequently of January 5, 2023, the General Director for Environmental Protection applied for an opinion and for agreeing on the scope of amendments to the decision of June 29, 2022 to the State Border Sanitary Inspector in Gdynia and to the Director of Maritime Office in Gdynia.

The State Border Sanitary Inspector in Gdynia, in an opinion dated December 9, 2022, with the ref. No.: SE.ZNS.80.4912.11.22, did not raise any comments on the application for an amendment to the decision of the General Director for Environmental Protection on June 29, 2022. The Director of the Maritime Office in Gdynia, in a decision on January 19, 2023, ref. No.: INZ.8103.7.7.2021.MG, agreed with the amended conditions for the implementation of the project without making any comments.

By the letter of January 5, 2023, ref. No.: DOOS-WDŚZOO.420.32.2022.SP.9, the General Director for Environmental Protection notified about the possibility of public participation in the procedure in accordance with Article 79 section 1 of the EIA Act and in accordance with the principles specified in Chapter 2 “Public participation in decision-making” of the said Act, by providing public information, among other things, about proceeding to carry out an assessment of the project environmental impact, the possibility of becoming familiar with the necessary documentation of the case, as well as the manner and place for submitting comments and applications, indicating a 30-day time limit for their submission, i.e., from January 18, 2023 to February 16, 2023. During the 30-day deadline, no comments or applications were submitted to the General Director for Environmental Protection regarding the construction of the Baltic Power OWF.

By the letter of February 17, 2023, ref. No.: DOOŚ-WDŚZOO.420.32.2022.SP.11, the General Director for Environmental Protection notified the parties to the procedure, in accordance with Article 10 of the CAP, about the possibility of becoming familiar with the case files and expressing their opinion on the possibility of taking a position on the collected evidence, materials and the submitted requests.

Pursuant to Article 80 section 2 of the EIA Act, the competent authority issues a decision on environmental conditions after confirming the compliance of the project location with the provisions of the local development plan, if such plan has been adopted. For marine areas the spatial development plan for sea waters was adopted by the Regulation of the Council of Ministers of April 14, 2021 on the adoption of the spatial development plan for internal sea waters, the territorial sea and the exclusive economic zone at a scale of 1:200,000 (Journal of Laws, item 935, as amended). On December 8, 2022 the Regulation of the Council of Ministers of November 9, 2022 amending the regulation on the adoption of the spatial development plan for internal sea waters, the territorial sea and the exclusive economic zone at a scale of 1:200,000 (Journal of Laws, item 2518) entered into force. Changes to the plan resulting from the amending regulation do not refer to the provisions concerning the methods of development of the areas where the construction of the Baltic Power OWF is planned. Therefore, the planned project is still compliant with the arrangements of the spatial development plan for internal sea waters, the territorial sea and the exclusive economic zone.

In the course of the procedure, GDEP verified the application for amendment to its own decision of June 29, 2022, together with its supplements and explanations, and the environmental impact assessment report. The report meets the requirements indicated in Article 66 of the EIA Act to the extent enabling the assessment of the planned project environmental impact and the change of environmental conditions for its implementation.

Points II and IV of the operative part of the decision of June 29, 2022 (points I.1 and I.19 of this decision) and the planned project characteristics constituting an Appendix to the decision of June 29, 2022 have new reading due to the fact that in the environmental impact assessment report attached to the application for an amendment to the decision of June 29, 2022 the Investor indicated specific parameters of the planned project and described the environmental impact of this project to the full extent.

In the environmental impact assessment report for the project, on the basis of which the decision of June 29, 2022 was issued, the planned project and its impact were described on the basis of the envelope concept, i.e. on the basis of the maximum limit parameters of the planned project, i.e.: maximum heights of wind turbines, maximum capacities of individual wind turbines, maximum possible diameter of driven pile, maximum number of wind turbines, maximum number of accompanying facilities, maximum length of cables, etc. At the stage of proceeding the decision on environmental conditions issued on June 29, 2022, the Investor did not indicate the final technical and process solutions, as well as specific systems and equipment planned to be used as part of the project. Due to the

abovementioned reasons, the decision stated the obligation to carry out the project environmental impact assessment as part of the procedure for issuing the decisions referred to in Article 72 section 1 point 1 of the EIA Act. Due to the fact that at this stage the Investor presented specific parameters of the planned project and a description of its environmental impact, there is no need to carry out a reassessment as part of the procedure for issuing the decisions referred to in Article 72 section 1 point 1 of the EIA Act. The description of the parameters of the planned project is included in point I.1 of this decision and in the project characteristics constituting an Appendix to this decision.

Point III.1.2 (point I.2 of this decision) has new reading as the original reading of the condition includes detailed requirements for the concrete slab class. The function of the site back-up facilities shall be performed by any of the existing sea ports, e.g. port in Świnoujście or Rønne. Transport of large-size structural elements of the Baltic Power OWF may be carried out from ports that have sufficient length and load-bearing capacity of the quayside, allowing for installation, storage and loading of structural elements of the Baltic Power OWF as well as appropriate depth of port basins, enabling operation of large construction vessels therein. In view of the above, it was considered that indicating a specific class of concrete slabs may limit or prevent the location of the site back-up facilities in the existing ports meeting the requirements of this type of project. Therefore, the content of the condition was limited to the requirements concerning the substrate made of appropriate plates or geomembrane, which shall protect the groundwater environment against negative impact of materials, substances and waste stored in the selected port.

The new reading of conditions III.1.3 and III.1.4 (points I.3 and I.4 of this decision) concerning the laying of cables on the Baltic Power OWF site results from the change of the provisions in the report concerning the methods and ways of laying cables on the Baltic Power OWF site. As the technical aspects of the cable installation have been clarified, including their arrangement and the necessary information regarding the sediments' geotechnical parameters, it is already known that the cables shall not be exclusively buried in the seabed. The Investor assumes that in the Baltic Power OWF area, cables shall be buried in the seabed to a depth of up to 3 m below the seabed. However, in case of unfavorable geotechnical conditions (e.g. on stone fields or when the seabed is too hard to bury the cables), the cables shall be laid directly on the seabed (page 88 of the report). The cables shall be embedded in various methods: jet trenching, mechanical soil cutting or plowing, depending on the type of soils. The jet trenching method (hydro-jetting) can be used in non-cohesive and cohesive soils of plastic consistency, whereas the mechanical soil cutting method (chain cutting) is used in cohesive soils of very stiff consistency, if it is not possible to use the jet trenching method. A description of the cable laying equipment planned to be used, methods of burying cables into the seabed and the environmental impact analysis are included in Appendix No. 2 to the report titled: "The results of model calculations of suspended matter propagation in the Baltic Power OWF area" and on pages 94-98 of the report.

Conditions III.1.5, III.1.9, III.1.10, III.3.7 (points I.5, I.8, I.9 and I.15 of this decision) refer to the failure to use upward-positioned lighting due to the limitation of the impact on seabirds and

migratory birds at the stages of construction, operation and decommissioning of the Baltic Power OWF. The change to the above-mentioned conditions consists in adding to each of them the phrase “subject to lighting required by OH&S standards”. In the application for change of the above-mentioned conditions, the Investor indicated that the lighting method of the offshore wind farm facilities was regulated by occupational health and safety requirements. The Investor's comment was taken into account in the decision, so that the light emission on the Baltic Power OWF site should be reduced and from dusk to dawn, strong lighting should not be positioned upwards, unless required by the OH&S regulations.

The change of the wording of point III.1.6 (point I.6 of this decision) is to delete the words “one by one” from the content of the condition with reference to the construction of wind turbines. The wording of the condition included in the decision of the General Directorate for Environmental Protection of June 29, 2022 resulted in the obligation to construct offshore wind turbines gradually and one by one. The application for amending the decision indicates that this limitation will entail an extension of the construction time and, therefore, the environmental impact of the project during the construction phase will also be longer. In accordance with the Investor's assumptions, it is planned to organize the construction process sequentially, i.e. individual phases of works will be carried out on the entire Baltic Power OWF area or in a specific area thereof. Therefore, the current wording of the condition indicates the obligation to gradually extend the offshore wind farm.

Condition III.1.8 (point I.7 of this decision) has also been amended by deleting the word “single”, but with regard to the removal of construction debris and pollutants from the seabed after completion of works on a single wind turbine. The organization of works at the construction stage of the Baltic Power OWF is planned in such a way that the removal of construction debris related to wind turbines takes place as a comprehensive cleaning after completion of the construction. Cleaning the seabed after each constructed wind turbine would result in prolonged works and, thus, in the longer period of environmental impact of the construction phase. In addition, in the first place, after completion of the construction, geophysical surveys will be carried out to document the condition of facilities and systems. Only after their completion will the site be cleaned in an efficient and safe manner, thus having a lower environmental impact.

Points III.1.13 and III.3.2 (points I.10 and I.11 of this decision) concerning the use of porpoise deterrent devices before the commencement of works with the use of sonars and before the commencement of piling were amended by indicating that porpoise deterrent devices should be used at least two hours before the commencement of works and not at least one day before the commencement of works. The Investor justified the change of this condition as follows: long-term use of pingers may cause a counterproductive effect. The pingers that deter porpoises simultaneously attract seals, which are accustomed that pingers used on fishing nets signal the possibility of easier feeding. The use of pingers at least two hours prior to the commencement of works will allow to minimize the impact on seals, and at the same time will enable effective deterrence of porpoises and their escape at a distance which will prevent their exposure to the effects of underwater noise, i.e. permanent or temporary

threshold shift.

In condition III.3.3 (point I.12 of this decision), the word “grouping” has been added for seabirds. The condition concerns the performance of piling works and specifies that piling (in the period from the beginning of August to the end of March) may be carried out if the ornithological monitoring does not identify the presence of grouping of common guillemots, razorbills, long-tailed ducks and velvet scoters in an area with a radius of 2 km from the piling site. If the above-mentioned bird species are observed, piling shall be stopped until the individuals move away; The original wording of that condition specified that piling works could be commenced after finding that there was no complete presence of common guillemots, razorbills, long-tailed ducks and velvet scoters in an area with a radius of 2 km from the piling site.

The report submitted with the application for amendment to the decision shows that in the Baltic Power OWF area, during the seabird monitoring carried out from October 2018 to November 2019, long-tailed ducks, common guillemots and razorbills were the most numerous. Outside the summer period, these three species accounted for between 80% and 96% of all birds observed in this water region, therefore their presence was included in the condition concerning the commencement of pile driving. Additionally, the velvet scoter was taken into account since this species is the subject of protection in the nearby Natura 2000 site Coastal Waters of the Baltic Sea PLB990002 and used to appear in the water region intended for the construction of the Baltic Power OWF. The Baltic Power OWF Area is of minor importance for the above-mentioned species. In the case of long-tailed ducks, their average densities exceed 50 individuals/km² in autumn only in the southern (shallowest) part of the Baltic Power OWF area, and in other phenological periods they are significantly smaller. The velvet scoters appear here much less frequently and in a smaller number and were also observed mainly in the southern part of this water region. In the Polish Baltic Sea zone, the common guillemots and the razorbills rarely form larger clusters and most often occur in great dispersion. In the case of the Baltic Power OWF area, the razorbills, on an annual basis, were observed in larger numbers than the common guillemots, and their average densities reached 1 individual per km², only locally, slightly exceeding this value in the winter period (pages 381-383 of the report).

Due to the fact that piling works will be subject to ornithological monitoring, the condition III.3.3 does not include a specific number of birds on which the commencement, suspension and continuation of works depend – such decisions will be made on an ongoing basis by the ornithological monitoring authority.

In the condition III.3.4 (point I.13 of this decision), the distance from the piling site at which the maximum levels of underwater noise should be met was changed, i.e. from 9 km to 11 km. The largest source of noise at the stage of the offshore wind farm construction is driving monopiles into the seabed. Piles will be driven into the seabed by means of special devices (pile drivers) from the deck of vessels adapted to these works. During the construction phase, during the driving of monopiles, a Noise Reduction System (NRS) will be used, which will include the Hydro Sound Damper (HSD) system for

all locations of wind turbines and substations, and additionally double air curtains for wind turbines for which, due to the location, it is possible to exceed the maximum levels of underwater noise being:

- 140 dB re 1 $\mu\text{Pa}^2\text{s}$ SEL_{cum} and HF-weighted (HF-weighting function for marine mammals with high sensitivity to high frequency noise – porpoises),
- 170 dB re 1 $\mu\text{Pa}^2\text{s}$ SEL_{cum} and PW-weighted (PW-weighting function for pinniped marine mammals – seals),
- 186 dB re 1 $\mu\text{Pa}^2\text{s}$ SEL_{cum} unweighted for fish.

When using the NRS, the above noise limits will not be exceeded at a distance of 11 km from the piling location, and thus also at the boundary of the nearest Natura 2000 site Słowińska Refuge PLH220023, where both fish and marine mammals are protected.

Explanations included in the Investor's letter of December 23, 2022, ref. No.: BLP-GDO - LTR-00009 presenting the results of publication of Brandt et al. (Brandt M.J., Höschle C., Diederichs A., Betke K., Matuscheck R., Nehls, G. (2013a) Seal scarers as a tool to deter harbour porpoises from offshore constructions sites. *Marine ecological progress Series*, 475, 291-302. <https://doi.org/10.3354/meps10100>; Brandt M. J., Höschle C., Diederichs A., Betke K., Matuscheck R., Witte S., Nehls G. (2013b). Far-reaching effects of a seal scarer on harbour porpoises, *Phocoena phocoena*. *Aquatic Conservation: Marine and Freshwater Ecosystems*, 23, 222–232. <https://doi.org/10.1002/aqc.2311>) indicates that the minimum speed of porpoises escaping from underwater noise sources is 4.7 km/h, with an average of 5.8 km/h and a maximum of 11.5 km/h. Works of Kastalainnen et al. (Kastelein, R. A., Van de Voorde, S., Jennings, N. (2018). Swimming speed of a harbour porpoise (*Phocoena phocoena*) during playbacks of offshore pile driving sound. *Aquatic Mammals*, 44: 92-99. <https://doi.org/10.1578/AM.44.1.2018.92>) indicate that the average speed of a porpoise moving through the water without noise is approx. 4.3 km/h. When stimulated by piling recordings, porpoises increase their speed when escaping – for even relatively small noise levels, speed increases of up to 7.1 km/h were observed, confirming the observations of Brandt's team. The data presented in the publications cited above lead to the conclusion that after 2.5 hours (2 hours of deterrence and 30 minutes of soft start procedure) porpoises are able to swim away at least 11.5 km with a speed of 4.7 km/h. Therefore, by using acoustic deterrent devices and soft start procedure, porpoises will be located at least 11.5 km from the site of works generating underwater noise. To ensure that they are not directly exposed to the effects of underwater noise, it is necessary to ensure that sound exposure at the TTS 1h level (Temporary Threshold Shift due to accumulated noise generated during one hour of piling works) is not exceeded at this distance. To confirm the effectiveness of the noise reduction system, the monitoring will be carried out at such a distance from the works performed in the main direction of underwater noise propagation.

From condition III.3.5 (point I.14 of this decision), the provisions concerning the obligation to divide offshore wind turbines into three groups and to paint each of them differently, including one group in black, have been deleted. The purpose of this condition was to investigate how the painting of

turbines affects migratory birds to the smallest degree, i.e. it allows the turbine to be noticed and bypassed. It was related to condition III.4.5 relating to monitoring mortality of migratory birds. Monitoring was to be carried out both at daytime and nighttime using an automatic system for recording collisions/victims of bird collisions with offshore wind turbines.

The application for amending the decision of the General Directorate for Environmental Protection of June 29, 2022 indicates that, according to the current knowledge of the Investor, there are currently no available, proven and recognized industrial standards on the market to monitor the mortality of migrating birds due to offshore wind farms. This was confirmed by a preliminary market investigation. There are systems based on video monitoring (in the visible and infrared bands) in the development stage and they are deficient enough that both the determination of the collision itself and the identification of the species of birds involved in the collision are subject to a very high error margin.

The mortality forecast carried out in relation to the target number of wind turbines (76 pcs) and their final parameters indicates that the greatest risk of collision of migratory birds concerns common cranes. This risk was determined by the Investor at a moderate level. The maximum mortality rate of common cranes was estimated for the option proposed by the applicant at 47 individuals in the autumn period. Taking into account the size of the biogeographical population (240,000 individuals), in the worst case scenario with the largest number of collisions, the number of individuals colliding will not exceed 0.09% of the biogeographical population.

In order to reduce the collision of common cranes with wind turbines on the premises of the Baltic Power OWF, monitoring of migratory birds will be implemented for the needs of the system of temporary shutdown of wind turbines during the passage of common cranes (condition III.2.5 of the decision of the General Directorate for Environmental Protection of June 29, 2022). The system will have the ability to track all migrating birds and will be able to provide a basis for modeling bird collisions with Baltic Power OWF. The temporary shutdowns system for wind turbines will be in place throughout the operational period of the Baltic Power OWF. Thus, the risk of mortality of migratory birds should be reduced (page 423 of the report).

The justification of the application for amending the decision of the General Directorate for Environmental Protection of June 29, 2022 indicates that the surveys concerning the impact of wind turbines on birds in the case of painting one of the rotor blades with black color were carried out on the Smøla island in central Norway for a period of 10 years. The results indicate that in the case of such painting, the mortality as a result of collision decreases on average by 70%. These are the first studies to confirm the effectiveness of that mitigation measure type.

In laboratory tests “Minimization of Motion Smear: Reducing Avian Collisions with Wind Turbines” (published by Hodos W., 2003 Minimization of Motion Smear: Reducing Avian Collisions with Wind Turbines; Period of Performance: July 12, 1999 - August 31, 2002; NREL/SR-500-33249, p. 43), the degree of motion smear of blades using different patterns and colors on one of the blades with reference to kestrels was tested. Of all the patterns, the blade painted uniformly black best reduced the

motion smear of the shape perceived by a kestrel. At the same time, the experiment with different blade colors gave inconclusive results. The degree of motion smear depended heavily on the background image (e.g., forest, blue sky, etc.). The tests carried out so far have not been performed in marine conditions, with a specific, homogeneous landscape, without features typical of the onshore topography. Painting one blade (at least half of it) seems to be the best mitigation measure on land. According to the study from Smøla island, “(...) a dark (black) paint color gives optimal results. For wind farms located in offshore areas, there is no reliable information that indicates what pattern or color of rotor blades would be the optimal measure mitigating the risk of collision with birds. In addition, the tests were conducted for one species only. Therefore, the test results so far cannot be directly shifted to the offshore wind farms work conditions, including to the Baltic Power OWF. The afore-mentioned paper does not cite information on how many birds of each species flew over the wind farm, and thus it is not possible to relate the results of the mortality study to the numbers of birds and their species. In order to make such a reference, information on the stream of birds flights through the wind farm would be needed to compare it with the information concerning the Baltic Power OWF.

During the Baltic Power OWF surveys (Appendix No. 1 to the environmental impact assessment report, Chapters 7.5.1 – Migratory Birds and 7.5.2 – Seabirds), several species observed over the Smøla wind farm were found to be flying over. This includes the flights of kestrels, greylag geese, northern shovelers, common teals, common snipes, European golden plovers, European greenfinches, meadow pipits, and common blackbirds. The Baltic Power OWF surveys indicate that these birds mostly flew at altitudes below the collision height, and the assessment of impact significance of Baltic Power OWF in terms of avian collisions and barrier effects for these species did not indicate the need for implementing mitigation measures (pages 419-420 of the report).

Moreover, in the application for amending the decision, the Investor emphasized that painting one of the rotor blades with black color involved an increase in the risk of loss of the guarantee granted by the turbine manufacturer due to interference not provided for in the ToR and actual effects in the form of, among others, uneven wear of the turbine blades, threatening its serious damage (pages 420-421 of the report).

Due to the fact that there is no evidence that painting one of the rotor blades in black will contribute to reducing the mortality of birds migrating through the Baltic Power OWF area and due to the lack of reliable systems available for monitoring the number of collisions and mortality of these birds, the content of condition III.3.5 has been changed.

The wording of condition III.3.10 (point I.16 of this decision) has been clarified by indicating that after the end of operation of the Baltic Power OWF, it is recommended to remove all its components. The application for amending the decision of the General Directorate for Environmental Protection of June 29, 2022 indicates that the Investor, when reading the conditions:

- III.3.9 “during the decommissioning stage, all above-water elements of the Baltic Power OWF shall be removed” and

- III.3.10 “before starting the removal of elements of the Baltic Power OWF, an environmental inventory of the objects founded in the seabed or on the seabed shall be conducted under the supervision of an ichthyologist and bentologist. The inventory results shall be submitted to the Regional Director for Environmental Protection in Gdańsk and the General Director for Environmental Protection in Gdańsk”

drew conclusions that at the decommissioning stage the Investor is supposed to remove only the above-water components, while underwater components are supposed to be left. The intention of the General Directorate for Environmental Protection was also to remove underwater components which, as the Investor rightly pointed out, could pose a threat to navigation. From the point of view of protection of the marine environment as well as any other environment, the best solution is to restore it to the condition from before the project. Therefore, the condition III.3.10 has been clarified so as not to raise any doubts that after the end of operation it is recommended to remove all components of the Baltic Power OWF excluding the facilities in the seabed or on the seabed, which will constitute a habitat of valuable communities of marine organisms.

In condition III.3.11 (point I.17 of this decision), similarly as in conditions III.1.6 and III.1.8, the word “individual” has been deleted with reference to the decommissioning of wind turbines and other structures at the decommissioning stage. The requirement for decommissioning individual offshore wind turbines would result in significant changes in the organization of decommissioning works, which would involve prolonging operations and stretching the environmental impacts over time during the decommissioning stage. In accordance with the assumptions adopted for the Baltic Power OWF, decommissioning works may be carried out in a sequential manner. The organization of works at the decommissioning stage of the Baltic Power OWF is planned in such a way that the removal of debris related to wind turbines takes place as a comprehensive cleaning after completion of the construction.

Condition III.4.1.1 (point I.18 of this decision) has been changed by indicating that pre-investment monitoring in the scope of water quality should be performed only if, prior to the commencement of construction of the Baltic Power OWF, extraordinary hazards occur that may result in contamination of waters and sediments in the Baltic Power OWF area. Water quality tests were performed for the purpose of preparation of the environmental impact assessment report. Therefore, if there is no event that may affect water quality, the test results obtained during the conducted tests shall be considered as the initial condition.

The condition III.4.1.2.a (point I.18 of this decision), similarly as in condition III.4.1.1, has also been changed by the provision that the monitoring of sediments and their dispersion should be carried out only if, prior to the commencement of works interfering with the seabed, an anthropogenic event which significantly agitates sediments occurs. Marine sediments are naturally agitated by atmospheric phenomena, e.g. wind, sea currents, etc., so the content of the condition has been clarified in such a way that sediment dispersion monitoring should be carried out only in the case of an anthropogenic event. Pursuant to the amendments to the provisions of conditions III.4.1.2.b and III.4.1.2.c (point I.18 of this

decision), the monitoring of sediments and their dispersion should be carried out once for 4 planned wind turbines, in places which have different abiotic conditions. In point III.4.1.2.d (point I.18 of this decision), the distance from the place of disturbance has been changed from 1000 m to 500 m and directions has been changed from W, S, N, E to E and SE. These changes result from the change of the provisions in Appendix No. 2 to the environmental impact assessment report, introduced as a result of the repeated modeling of suspended matter propagation in the area of the Baltic Power OWF (pages 34, 36-63 of Appendix No. 2 to the report).

In conditions III.4.1.3.a, III.4.1.3.b (point I.18 of this decision), the frequency of tests of hydrochemical parameters of water and particularly harmful substances in water and bottom sediments was changed. The decision of the General Directorate for Environmental Protection of June 29, 2022 includes the obligation to conduct these tests once a year, currently it is stated that these tests are to be conducted once in the fifth year from the completion of the construction of the Baltic Power OWF. In the application for amendment to the decision, the Investor indicated that the impact analysis presented in the environmental impact report for the project showed that the wind turbine at the operation stage would not be a source of contamination of the marine environment, therefore there is no need to analyze the chemical parameters of water and the concentration of harmful substances in water on an annual basis.

At the stage of surveys, annual monitoring of the acoustic background was performed for the area of the planned Baltic Power OWF. Therefore, in condition III.4.2.1.a (point I.18 of this decision), the provision ordering the performance of background noise measurements of the Baltic Power OWF area has been changed to the provision conditioning the performance of repeated background noise measurements in the case of an anthropogenic event which will significantly and long-term deteriorate underwater acoustic conditions and will cause the need to determine the background again. The spatial development plan for internal sea waters, the territorial sea and the exclusive economic zone, which indicates the basic and permissible functions of the water regions adjacent to the water regions which will be occupied by the planned project, shows that the development of the adjacent water regions will not contribute to the increase of the acoustic background in the Baltic Power OWF area.

In conditions III.4.2.2.a and III.4.2.2.b (point I.18 of this decision), the distances related to the place of measurements of the underwater noise level monitored at the construction stage have been changed. The justification for the change of the distance from 9 km to 11 km has been provided while describing the change of the content of condition III.3.4, i.e. on pages 14-16 of this decision. This distance is related to the rate of movement of porpoises in water, which after 2.5 hours (2 hours of deterrence with devices and 30 minutes of the soft start procedure) are able to swim away from the place of performance of works generating underwater noise at a distance of at least 11.5 km with a speed of 4.7 km/h. In accordance with the application for amending the decision, the aforementioned conditions also indicate that the noise measurement is to be carried out at one point in the main direction of noise propagation, not at four points. Additionally, instead of locating the measurement points at a distance

of 750 m and 1500 m from the piling site, the condition III.4.2.2.b indicates that continuous measurements of underwater noise related to piling should be carried out in at least 10 locations in the Baltic Power OWF area and additionally in the 5 km buffer. The Investor's explanations presented in the letter of December 23, 2022 indicate that it would be difficult to locate at least one measurement point at a distance of 750 m and 1500 m from the piling site. The planned arrangement of wind turbines in the Baltic Power OWF development area guarantees that at least two piling locations will be located at a distance of no more than 750 m from such a measurement point, and at least four wind turbines will be located at a distance of 750 m to 1500 m. This will make it possible to estimate the propagation of underwater noise at short distances from the piling location, while at the same time avoiding the need to move the sensors to the exact distances of 750 m and 1,500 m from the particular piling.

The conditions III.4.3.1. a and III.4.3.2.a (point I.18 of this decision) have been amended by indicating that in order to count seabirds in the period from the beginning of October to the end of May, in cases justified by weather conditions, it is allowed to execute one cruise per month instead of two cruises. The Investor justified the above-mentioned change by limitation of the environmental impact at the construction stage (fewer vessel courses) and by protection of human life and health. As part of the post-development monitoring, it is planned to carry out two cruises (campaigns) each month in the period from October to May, when the number of birds in the southern Baltic Sea is high. In accordance with the commonly used methodology of counting birds at sea, recommended by the Chief Inspectorate of Environmental Protection, it is allowed to carry out one research campaign in a month when long-lasting weather conditions make it impossible to carry out another cruise. During the period of lower number of birds, one survey campaign will be carried out in August and September. The interval between two consecutive cruises in a given area in a given month will not be shorter than 7 days. All cruises will take place in favorable weather conditions, with good visibility, without continuous precipitation, and with a wave motion not exceeding 3 Beaufort degrees. Each time (during each campaign), counting of birds will be carried out along all transects in the Baltic Power OWF area and in the reference area; counting in both areas will take place on the same day.

Points III.4.3.1.b and III.4.3.2.b (point I.18 of this decision) have been supplemented with the inclusion of the reference area outside the Baltic Power OWF area and the 5-kilometer zone around the Baltic Power OWF in the monitoring. The reference area is located near Darłowo and covers the water region similar in depth range to the area of the planned project (partially covers the Natura 2000 site Coastal Waters of the Baltic Sea PLB990002). Monitoring of seabirds in the reference area will allow for comparison of the results of surveys obtained in both areas.

During the observations, all birds flying over the surveyed water region during counting will be recorded, together with an estimate of the height at which they move. These observations will be complemented by data on the flight altitude of birds collected during surveys conducted in 2018-2019. The surveys will be carried out using the same transects and the same methodology as for the pre-project monitoring.

In the wording of conditions III.4.3.2.c, III.4.4.1. d, III.4.5.1, III.4.6.2.a (point I.18 of this decision), the years indicated for the monitoring of seabirds, migratory birds, bats and porpoises have been changed, i.e. in the first and third year of operation of the Baltic Power OWF, instead of monitoring for three years. The Investor justified the changes by a smaller number of planned wind turbines. According to the final design, 76 turbines will be constructed instead of 126 wind turbines, and a smaller number of turbines will have a smaller impact on the aforementioned animals. The aim of the post-development monitoring is to verify the assessment assumptions in the scope of changes in the use of the Baltic Power OWF area by seabirds, bats and porpoises.

The condition III.4.6.2.b (point I.18 of this decision) specifies that the monitoring of seals will be carried out during the monitoring of seabirds at the post-development monitoring stage. This is due to optimization of costs and reduction of pressure on the marine environment related to a smaller number of vessel cruises. Therefore, instead of carrying out seal monitoring for 3 years from the completion of the construction of the Baltic Power OWF, the monitoring will be carried out in the first and third year after the completion of its construction, the same as the monitoring of seabirds, bats and porpoises. The monitoring will be carried out at least once a month in the Baltic Power OWF area together with a 5-kilometer zone around, as well as in the reference area located near Darłowo.

From the condition III.4.7.3 (point I.18 of this decision), the provision has been deleted which concerns the distance of up to 1000 m from the Baltic Power OWF area in which it was ordered to locate the ichthyofauna research station/stations in the water region not intended for offshore wind energy, having similar parameters of the marine environment to the Baltic Power OWF area. As the Investor rightly pointed out, the determination of such a water region at a distance of 1000 m may turn out to be impossible. The current wording of the condition indicates that ichthyofauna research stations should be located both in the Baltic Power OWF area and in the water region not intended for offshore wind energy generation that has similar parameters of the marine environment (depth, distance from the shore), without the indication of the distance from the Baltic Power OWF.

Baltic Power Sp. z o.o. submitted the application for amendment to the decision of the General Directorate for Environmental Protection of June 29, 2022, indicating which conditions require amendment, together with a justification for such amendments. In the course of the procedure on the amendment to its own decision, the General Directorate for Environmental Protection carried out an environmental impact assessment, during which, among others, it carried out verification of the environmental impact assessment report, obtained the opinion of the State Border Sanitary Inspector in Gdynia and the approval of the Director of Maritime Office in Gdynia as to the scope of the amendment to the decision. Additionally, the General Directorate for Environmental Protection ensured public participation in the procedure for amending the decision, in accordance with Article 79 section 1 of the EIA Act and in accordance with the principles specified in Chapter 2 “Public participation in decision-making” of that Act, indicating a 30-day deadline for submission of comments and requests, i.e.: from

January 18, 2023 to February 16, 2023

Changes in the Baltic Power OWF parameters and justification for changes in the conditions of the decision of June 29, 2022 were considered in detail by the General Directorate for Environmental Protection and discussed in the justification for this decision. In the summary of the analysis carried out in this respect, it should be indicated that none of the changes introduced in the planned project will increase its environmental impact in relation to the environmental impact assessment carried out for the purpose of issuing the decision of June 29, 2022. Moreover, the reduction in the number of planned wind turbines and accompanying facilities, the reduction in the size of wind turbines in relation to the parameters considered in the original environmental impact assessment report for the project, the several-times reductions in the length of inner array cables and the related reduction in the duration and scale of construction and demolition works support the conclusion that the environmental impact of the Baltic Power OWF during the construction, operation and decommissioning phases will decrease compared to the environmental impact demonstrated at the stage of issuing the decision of June 29, 2022.

In accordance with Article 155 of the Code of Administrative Procedure, the final decision, by virtue of which the party obtained the right, may be upon consent of the party revoked or amended at any time by the public administration authority that issued it, if special regulations are not opposed to such revocation or amendment and such revocation or amendment is in public interest or legitimate interest of the party. Whereas pursuant to Article 87 of the EIA Act, in the case of an amendment to the decision on environmental conditions, the consent to amend the decision is granted only by the party which submitted the application for the decision on environmental conditions.

Both the public interest and the Investor's legitimate interest justify the amendment to the decision of the General Directorate for Environmental Protection dated June 29, 2022. The implementation of the planned project will contribute to increasing the share of energy generation from renewable energy sources, which is in line with the main assumptions of the climate policy aimed to reduce greenhouse gas emissions and carbon footprint. The amendment to the decision of the General Directorate for Environmental Protection of June 29, 2022 in the scope covered by the Investor's application of August 2, 2022 is necessary in order to be able to implement the Baltic Power OWF, therefore the amendment to the decision is justified by the public interest. From the date of submission of the application for the decision on environmental conditions, i.e. from July 10, 2020, the Investor carried out design works which resulted in the final selection of technical and technological solutions to be applied during the construction and operation of the planned project. Clarification and partial change of the investment assumptions made it necessary to change the decision on environmental conditions in order to adapt it to the present parameters of the project resulting from the final design of the project. The decision of the General Directorate for Environmental Protection of June 29, 2022 was issued on the basis of the envelope concept, i.e. maximum limit parameters of the planned project: maximum heights of wind turbines, maximum capacities of individual wind turbines, maximum diameter of piles,

maximum number of wind turbines and accompanying facilities and maximum length of inner array cables. At the stage of the submission of the application for amending the decision on environmental conditions, the Investor already has detailed knowledge on the final technical, technological solutions, systems and equipment planned to be used at the stage of construction and operation of the Baltic Power OWF. Therefore, the legitimate interest of the party is expressed in the fact that the amendment to the decision of the General Directorate for Environmental Protection of June 29, 2022 allowed for adjusting the conditions of using the environment at the stage of construction and operation or use of the project to the target parameters of the project and to the respective obligations of avoiding, preventing and limiting the environmental impact of the project, as well as the obligations of monitoring the environmental impact of the project. Therefore, the General Directorate for Environmental Protection amended its own decision of June 29, 2022 in accordance with the Company's application.

In consideration of the above, it was ruled as stated.

Instruction

- pursuant to Article 76 section 1 point 1 of the Act of December 17, 2020 on promoting electricity generation in offshore wind farms (Journal of Laws of 2022, item 1050, as amended), the decision on environmental conditions issued for the purpose of implementing the project consisting in the construction and maintenance of offshore wind farms shall be immediately enforceable;
- a party dissatisfied with this decision, pursuant to Article 127 § 3 in conjunction with Article 129 § 2 of the Code of Administrative Procedure, may request the General Directorate for Environmental Protection, within 14 days from the date of delivery of the decision, to reconsider the case;
- within the time limit for filing a request for reconsideration of the case, a party, pursuant to Article 127a § 1 in conjunction with Article 127 § 3 of the Code of Administrative Procedure, may waive the right to file the request for reconsideration of the case against the General Directorate for Environmental Protection;
- as of the date of delivery to the General Directorate for Environmental Protection of the statement on waiver of the right to file the request for reconsideration of the case by the last party, in accordance with Article 127a § 2 in conjunction with Article 127 § 3 of the Code of Administrative Procedure, this decision becomes final and legally binding;
- this decision, pursuant to Article 52 § 3 of the Act of August 30, 2002 – Law on proceedings before administrative courts (Journal of Laws of 2023, item 259), hereinafter referred to as the Law on proceedings before administrative courts, may be appealed against without the need to exercise the right to file the request for reconsideration of the case. The complaint, pursuant to Article 53 § 1 and Article 54 § 1 of the Law on proceedings before administrative courts, shall be filed in writing with the Voivodeship Administrative Court in Warsaw, through the General Directorate for

- Environmental Protection, within 30 days from the date of delivery of the decision;
- pursuant to Article 230 of the Law on proceedings before administrative courts in conjunction with § 2 section 3 point 3 of the Regulation of the Council of Ministers of December 16, 2003 on the amount and detailed rules of collecting an entry fee in the proceedings before administrative courts (Journal of Laws of 2021, item 535), the complainant is obliged to pay an entry fee on the complaint in the amount of PLN 200. Pursuant to Article 239 of the Law on proceedings before administrative courts, the complainant may be exempted from the obligation to pay court costs;
 - pursuant to Article 243 of the Law on proceedings before administrative courts, the right to assistance may be granted to the complainant at its request. This application is free of court fees.

* GENERAL DIRECTOR FOR
ENVIRONMENTAL
PROTECTION

General Director
for Environmental Protection
Andrzej Szweda-Lewandowski

To be received by:

1. Agnieszka Antczak – representative of Baltic Power Sp. z o.o., ul. Bielańska 12 apt. 477, 00-085 Warsaw.

For the attention of:

1. Minister of Climate and Environment, ePUAP:/mos/SkrytkaESP
2. Regional Director for Environmental Protection in Gdańsk, ul. Chmielna 54/57, 80-748 Gdańsk
3. State Border Sanitary Inspector in Gdynia, ul. Kontenerowa 4, 81-155 Gdynia
4. Director of the Maritime Office in Gdynia, ul. Chrzanowskiego 10, 81-338 Gdynia.