

SCHEDULE 1

Articles 2, 3 and 4

PART 1

Authorised Works

Work No. 1

An offshore tidal generating station with a gross electrical output capacity of up to 240 megawatts within the array area comprising;

- (1) up to 620 tidal devices at any one time comprising
 - (a) seabed mounted sub-surface tidal devices and being fixed to the seabed by:
 - (i) gravity base; or
 - (ii) monopile type foundations; or
 - (iii) multi-pile type foundations;
 - (b) mid-water column tidal devices and being secured to the seabed by either:
 - (i) gravity base;
 - (ii) monopile type foundation;
 - (iii) multi-pile type foundation; or
 - (iv) anchors to a gravity base, monopile type foundation or multi-pile type foundation;
 - (c) floating or surface emergent tidal devices and being secured to the seabed by either:
 - (i) gravity base;
 - (ii) monopile type foundation;
 - (iii) multi-pile type foundation; or
 - (iv) anchors to a gravity base, monopile type foundation or multi-pile type foundation;
- (2) a network of cables for the transmission of electricity and electronic communications laid on or beneath the seabed including cable crossings between—
 - (a) any of the tidal devices comprising Work No. 1(1);
 - (b) any of the tidal devices comprising Work No. 1(1) and operational hubs comprising Work No. 1(3) and any of the works comprising Work No. 2; or
 - (c) any hub comprising Work No. 1(3) to a cable comprising Work No. 2;
- (3) up to 120 offshore operational hubs comprising:
 - (a) up to 120 seabed mounted, fully submerged, hubs being fixed to the seabed by gravity base, monopile or multi-pile type foundation; or
 - (b) up to 93 floating surface emergent hubs being anchored to the seabed by gravity base, monopile type foundation or multi-pile type foundation; or
 - (c) up to 8 seabed mounted surface emergent offshore operational hubs being fixed to the seabed by gravity base, monopile type foundation or multi-pile type foundation;
- (4) up to 60 navigational and marker buoys;
- (5) up to 40 acoustic doppler current profilers;
- (6) up to 8 seabed mounted environmental monitoring units;
- (7) up to 5 sea level environmental monitoring buoys; and
- (8) cable crossings and connectors to connect Work No. 1(2) with Work No. 2.

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Work No. 2

Up to 9 export cables each comprising cables for the transmission of electricity and communication laid within the export cable corridor on or beneath the seabed between Work No. 1 and Work No. 3 including cable protection, cable crossings and connectors.

Work No. 3

Up to 9 export cables each comprising cables for the transmission of electricity and communication within the intertidal area either laid underground, over the surface of foreshore or within up to 9 open cut trenches with cable protection and connecting Work No. 2 and Work No. 4.

Work No. 4

Up to 9 export cables each comprising cable for the transmission of electricity and communication laid either underground, over the surface of foreshore cliff face and cliff top or within up to 9 open cut trenches with cable protection between Work No. 3 and the transition joint bays forming Work No. 5.

Work No. 5

Works comprising up to 9 transition joint bays connecting Work No. 4 with Work No. 6.

Work No. 6

Up to 9 export cables each comprising one or more conducting media for the transmission of electricity and communication laid underground connecting Work No. 5 to the electrical substation referred to in Chapter 2 of Part 2 of this Schedule 1.

Work No. 7

Up to 6 export cables for the transmission of electricity and up to 2 communication cables laid underground and transition joint bays and connecting the electrical substation to the switchgear infrastructure each referred to in Chapter 2 of Part 2 of this Schedule 1.

Work No. 8

Up to 6 export cables for the transmission of electricity each comprising one or more conducting media and up to 2 communication cables laid underground including transition joint bays from the switchgear infrastructure referred to in Chapter 2 of Part 2 of this Schedule 1 to Work No. 9.

Work No. 9

Up to 6 export cables for the transmission of electricity each comprising one or more conducting media and up to 2 communication cables installed by way of horizontal directional drills under both the A55 and the North Wales Coast Line railway line connecting Work No. 8 to the grid connection works referred to in Chapter 2 of Part 2 of this Schedule 1.

PART 2

Further Works

CHAPTER 1

(1) The undertaker may within the offshore Order limits construct maintain and operate such of the following works as may be necessary or expedient for the purposes of, or for purposes ancillary to, the construction, operation, maintenance, repowering and decommissioning of the tidal works, namely—

- (a) temporary or permanent moorings or other means of accommodating vessels in the construction or maintenance of the scheduled works;
- (b) buoys, beacons, fenders and other navigational warning or ship impact protection works;
- (c) work to alter the position of apparatus, including cables;

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(d) such other works and apparatus, plant and machinery of whatever nature as may be necessary or expedient.

(2) The undertaker may within the onshore Order limits construct maintain and operate such of the following works as may be necessary or expedient for the purposes of or for purposes ancillary to the construction, operation, maintenance and decommissioning of the onshore works, namely—

- (a) landscaping and screening works;
- (b) compounds and storage areas;
- (c) creation of draw pits for the onshore cable route;
- (d) hardstanding for transition joint bays;
- (e) connections to the telephone and water network;
- (f) works for the benefit or protection of land affected by the authorised works;
- (g) work to alter the position of apparatus, including cables; or
- (h) such other works and apparatus, plant and machinery of whatever nature as may be necessary or expedient.

CHAPTER 2

Without prejudice to the generality of Chapter 1 above the undertaker may within the land specified in column (2) of the table below construct the works mentioned in column (3).

<i>(1)</i> Area	<i>(2)</i> Number of land parcel shown on onshore plans	<i>(3)</i> Description of Works
Isle of Anglesey County	10	Electrical substation comprising— — an electricity substation with associated air conditioning and cooling; — cable connecting the substation to the export cables comprising Work No. 6 and Work No. 7; — separate building housing equipment used for the storage of electrical energy; — associated offices and welfare facilities; — construction compound; — associated joint pits with hard standing; — car parking, with electric vehicle charging points; and — construction of access works from South Stack Road.
Isle of Anglesey County	38a	Infrastructure including grid connection works to the distribution network and comprising— — up to 6 export cables for the transmission of electricity and up to 2 communication cables; — a switchgear building and associated metering annex.
Isle of Anglesey County	48, 49 and 50	Grid connection works to the existing electricity network comprising—

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<i>(1)</i> <i>Area</i>	<i>(2)</i> <i>Number of land parcel shown on onshore plans</i>	<i>(3)</i> <i>Description of Works</i>
		<ul style="list-style-type: none"> — up to 6 export cables for the transmission of electricity and up to 2 communication cables; — up to 4 buildings; — energy storage systems with associated infrastructure; — cables for transmission of electricity; — communication cables; — a connection bay incorporating- — isolators; — circuit breakers; — power conditioning equipment.

PART 3

Area for Tidal Works

Array Area, export cable corridor, and restricted areas

<i>(1)</i> <i>Grid co-ordinates for</i>	<i>(2)</i> <i>Longitude</i>	<i>(3)</i> <i>Latitude</i>
<i>Array Area (as show on Figure 1-1 of the environmental statement)</i>		
1	04° 44' 8044"W	53° 20' 0232"N
2	04° 45' 8658"W	53° 17' 4900"N
3	04° 45' 8658"W	53° 15' 5400"N
4	04° 41' 4552"W	53° 15' 5400"N
5	04° 41' 0129"W	53° 15' 9503"N
6	04° 42' 5328"W	53° 18' 3882"N
7	04° 41' 2896"W	53° 20' 0232"N
<i>Export Cable Corridor (as shown on Figure 1-1 of the environmental statement)</i>		
5	04° 41' 0129"W	53° 15' 9503"N
6	04° 42' 5328"W	53° 18' 3882"N
7	04° 41' 2896"W	53° 20' 0232"N
8	04° 40' 8918"W	53° 19' 4553"N
9	04° 42' 1572"W	53° 18' 3923"N
10	04° 41' 4538"W	53° 18' 0234"N
11	04° 41' 3192"W	53° 17' 9827"N

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<i>(1)</i> <i>Grid co-ordinates for</i>	<i>(2)</i> <i>Longitude</i>	<i>(3)</i> <i>Latitude</i>
and between the coordinates comprising point 11 above following the mean high water spring level to the coordinates comprising point 12 below		
12	04° 41' 0437"W	53° 17' 4793"N
13	04° 41' 4248"W	53° 17' 2703"N
14	04° 41' 1701"W	53° 16' 8109"N
<i>Restricted Area - Northern (as shown on the restricted area plan)</i>		
3	4° 42' 1615"W	53° 19' 4682"N
4	4° 44' 0251"W	53° 19' 4682"N
5	4° 44' 9249"W	53° 18' 9282"N
6	4° 44' 9249"W	53° 18' 2196"N
17	4° 42' 5741"W	53° 17' 7330"N
16	4° 42' 9827"W	53° 18' 3882"N
19	4° 43' 7090"W	53° 18' 2230"N
<i>Restricted Area - UKC 20m(as shown on the restricted area plan)</i>		
1	4° 41' 2896"W	53° 20' 0232"N
15	4° 44' 8044"W	53° 20' 0232"N
14	4° 45' 8658"W	53° 17' 4900"N
13	4° 45' 8658"W	53° 15' 5400"N
12	4° 41' 4552"W	53° 15' 5400"N
11	4° 41' 0129"W	53° 15' 9503"N
10	4° 41' 1864"W	53° 16' 2282"N
8	4° 44' 0251"W	53° 16' 2282"N
7	4° 44' 9249"W	53° 17' 3082"N
5	4° 44' 9249"W	53° 18' 9282"N
4	4° 44' 0251"W	53° 19' 4682"N
2	4° 41' 7116"W	53° 19' 4682"N
<i>Restricted Area - UKC 8m (as shown on the restricted area plan)</i>		
2	4° 41' 7116"W	53° 19' 4682"N
3	4° 42' 1615"W	53° 19' 4682"N
16	4° 42' 9827"W	53° 18' 3882"N
9	4° 41' 6363"W	53° 16' 2282"N
10	4° 41' 1864"W	53° 16' 2282"N

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(1) <i>Grid co-ordinates for</i>	(2) <i>Longitude</i>	(3) <i>Latitude</i>
18	4° 42' 5328"W	53° 18' 3882"N

Article 3

PART 4

Documents to be submitted and approved by the Welsh Ministers

(1) <i>Document</i>	(2) <i>To be approved prior to these actions</i>
Cable Management Plan	Prior to the commencement of any related tidal works
Construction Environmental Management Plan	Prior to the commencement of any related tidal works
Decommissioning Programme	Prior to the decommissioning of any related tidal works
Detailed marine biodiversity enhancement strategy	Prior to each of the following activities: <ul style="list-style-type: none"> — the commencement of any related tidal works — the repowering of any related tidal work
Device Deployment Protocol	Prior to the deployment of any tidal device or operational hub which will be— <ul style="list-style-type: none"> — surface emergent in the restricted areas or the remainder of the array area — have an under keel clearance of less than 8 metres below lowest astronomical tide in the restricted area – UKC 8m — have an under keel clearance of less than 20 metres below lowest astronomical tide in the restricted area – UKC 20m
Environmental Mitigation and Monitoring Plan	Prior to each of the following activities— <ul style="list-style-type: none"> — the commencement of any related tidal works — the repowering of any related tidal works
Identification of Archaeological Exclusion Zones	Prior to the commencement of any related tidal works
Installation Methodology	Prior to the commencement of any related tidal works where trenching is required for laying of cables
Marine Mammal Mitigation Protocol	Prior to each of the following activities— <ul style="list-style-type: none"> — the commencement of any related tidal works — the repowering of any related tidal works — decommissioning of any related tidal works

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<i>(1)</i> <i>Document</i>	<i>(2)</i> <i>To be approved prior to these actions</i>
Marine Pollution Contingency Plan	Prior to the commencement of any related tidal works
Updated Navigational Risk Assessment	Prior to each of the following activities— — the commencement of any tidal work — the repowering of any tidal work — the decommissioning of any tidal work
Pollution Prevention and Management Plan	Prior to the commencement of any related tidal works