

Offshore Wind Project Comparison Table

Topic	CIERCO CADEMO Offshore wind Demonstration Project	IDEOL VAFB Pilot Project (Vandenberg Air Force Base Pilot Project)																														
Applicant	Cierco Projects Corporation	Ideol USA Inc.																														
Application Submitted	August 21, 2019	July 26, 2019																														
Scope	Demonstrate two different floating wind base technologies by installing four 12-15 MW floating wind turbines in the area	Install four floating offshore wind turbines with maximum generation capacity of 10MW each																														
Turbine Coordinates	<table border="1"> <thead> <tr> <th>Turbine</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1 (T1)</td> <td>34.59061535</td> <td>-120.70016552</td> </tr> <tr> <td>2 (T2)</td> <td>34.58022300</td> <td>-120.70154258</td> </tr> <tr> <td>3 (T3)</td> <td>34.56964036</td> <td>-120.70131307</td> </tr> <tr> <td>4 (T4)</td> <td>34.56000143</td> <td>-120.69878845</td> </tr> </tbody> </table>	Turbine	Latitude	Longitude	1 (T1)	34.59061535	-120.70016552	2 (T2)	34.58022300	-120.70154258	3 (T3)	34.56964036	-120.70131307	4 (T4)	34.56000143	-120.69878845	<table border="1"> <thead> <tr> <th>Turbine</th> <th>Latitude</th> <th>Longitude</th> </tr> </thead> <tbody> <tr> <td>1 (T1)</td> <td>34.625297</td> <td>-120.678427</td> </tr> <tr> <td>2 (T2)</td> <td>34.609528</td> <td>-120.678866</td> </tr> <tr> <td>3 (T3)</td> <td>34.593760</td> <td>-120.679305</td> </tr> <tr> <td>4 (T4)</td> <td>34.599083</td> <td>-120.695705</td> </tr> </tbody> </table>	Turbine	Latitude	Longitude	1 (T1)	34.625297	-120.678427	2 (T2)	34.609528	-120.678866	3 (T3)	34.593760	-120.679305	4 (T4)	34.599083	-120.695705
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Offshore Cables	Export cables will transmit electricity from the southernmost turbine (T4) to an onshore connection point. The preferred option for the CADEMO Project is to take the export cables to a landing point west of the boat dock (just south of Point Arguello) and then connected overland (by wood pole) to the grid substation	A static part exporting electricity to the shore and a dynamic part called "Inter-Array cable" (IAC), connecting the static part to each floating wind turbine																														
Onshore	It is anticipated that the onshore substation and control building will be located near to the point of cable landfall (by the directional drill site) on Vandenberg AFB. All required works are standard electricity network works (i.e. the same for any other conventional electrical connections) with existing facilities utilized where possible	An electrical substation would transform the electricity to the interconnection voltage of 138 kV. The Project substation would either be onshore or installed on one of the FWT structures																														
Application Status	Completed on July 21, 2020	Incomplete as of November 20, 2020																														
Next Steps	Public Outreach	IDEOL to provide additional information towards Application completeness																														