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U. S. DEPARTMENT OF ENERGY, OFFICE OF SCIENCE INTEGRATED SUPPORT CENTER—CHICAGO OFFICE

NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) ENVIRONMENTAL EVALUATION NOTIFICATION FORM

To be completed by "Applicant," i.e., organization with responsibilities for a "Federal action" involving application to DOE for a permit, license, exemption or allocation, or other similar actions. For assistance with this Form, refer to "Instructions for Preparing ISC-CH F-560, Environmental Evaluation Notification Form."

Solicitation/Award N	o. (if applicable):	DE-SC0021934				
Organization Name	Ocean Renewa	able Power Company	, Inc.			
Proposed Action Tit	e: Power for S	Subsea Networks				
Total DOE Funding	Total Funding: \$	5199,964.00				
I. <u>Project Descr</u>	ption: (Use expl	anation pages if add	litional space is re	equired)		
A. <u>Propose</u>	d Project/Action (i	f applicable, delineate	Federally funded/	Non-Federally funded	portions)	
to end-user needs		onomous turbine generator unit (AT st. The existing ATGU prototype will ng:				
- Reduce system s - Integrate design i	ze to be more compatible winner more more more compatible winner to be more compatible with the	electricity from low flow speed envir- ith end-user logistical constraints ous field testing for improved perfor IU in the blue economy by showing	mance and durability into the A		ission profile	
requirements and		knowledge to refine the design of th quirements specification for a comm I work.				
B. Would th	e project proceed	l without Federal fund	ing?		Yes	No
	use explanation		<u>y .</u>		Ц	ت

II. <u>Description of Affected Environment</u>: (Use explanation pages if additional space is required)

In Phase I of the project, there is a small potential for negative impact on the environment due to the assembly and disposal of ATGU materials. These materials may include hazardous substances such as oil which will be disposed of separately and in accordance with state and federal disposal guidelines. All materials will be handled in a well-ventilated indoor office environment at ORPC in a designated workshop area where approximately five people have access. ORPC mitigates hazards with existing corporate health and safety policies and procedures, including employee training, proper protective equipment, monitoring and internal assessments.

Phase II of the project has not yet been authorized.

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III.	Pre	liminar	y Questions:						
	A.	Is the	DOE-funded work routinely administrative or entirely advisory or a "paper study?"	Yes	No 🗹				
		If "Yes", ensure that the description in Section I reflects this and go directly to Section V.							
	В.	Is the	ere any potential whatsoever for: (Provide an explanation for each "Yes" response)						
		4	Made to be a sefermed suited and						
		1. 2.	Work to be performed outdoors? Major modification of a building interior?	H					
		2. 3.	Threat of violation of applicable statutory, regulatory, or permit requirements for	H	\ \ \				
		0.	environment, safety, and health?	ш					
		4.	Siting, construction or major expansion of waste treatment, storage, or disposal		~				
		5.	facilities? Disturbance to hazardous substances, pollutants, or contaminants preexisting in the	П	V				
		0.	environment?						
		6.	The presence of any environmentally-sensitive resources?		V				
		7.	Any potential whatsoever for high consequence impacts to human health or the		V				
		•	environment?						
		8.	The work being connected to another existing/proposed activity that could potentially create a significant impact?	Ш	~				
		9.	Nearby past, present, and/or reasonably foreseeable future actions such that collective		V				
		٥.	significant impacts could result?	СіўШ					
		10.	Scientific or public controversy, uncertainty over potential impacts, or conflicts regarding	ng 🔲	V				
			resource usage?						
IV.	<u>Pot</u> A.	<u>Envir</u>	Environmental Effects: (<i>Provide an explanation for each "Yes" response</i>) onmentally Sensitive Resources: Could the proposed action potentially result in change the proposed to any of the following recourses?	s and/or					
		aistui	rbances to any of the following resources?	Yes	No				
		1.	Threatened/Endangered Species and/or Critical Habitats	П	_				
		2.	Other Protected Species (e.g., Burros, Migratory Birds, Pollinators)		\ \ \ \				
		3.	Sensitive Environments (e.g., Tundra/Coral Reefs/Rain Forests)		=				
		4.	Cultural or Historic Resources	닏	~				
		5.	Important Farmland Non Attainment Argae for Ambient Air Quality Standards	H	צונונונוני				
		6. 7.	Non-Attainment Areas for Ambient Air Quality Standards Class I Air Quality Control Region	H					
		8.	Special Sources of Groundwater (e.g. Sole Source Aquifer)	Ħ	N				
		9.	Navigable Air Space		v				
		10.	Coastal Zones		V				
		11.	Areas with Special National Designation (e.g. National Forests, Parks, Trails)		V				
		12.	Floodplains and/or Wetlands						
	B.	Regu	lated Substances/Activities: Would the proposed action involve any of the following regi	ulated Ite	ms or				
		activi							
		13.	Natural Resource Damage Assessments		V				
		14.	Invasive Species or Exotic Organisms		\ \ \				
		15.	Noxious Weeds		~				
		16.	Clearing or Excavation greater than one acre or Removal of Trees Governed by	Ш	~				
		17.	Local Requirement Dredge or Fill (under Clean Water Act, Section 404, greater than one acre)		V				
		11.	broage or fill (under clean water Act, Dection 404, greater than one acre)	ш	لگ				

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	18.	Noise (in excess of regulations)			Yes	No 🗹
	19.	Asbestos Removal				V
	20.	Polychlorinated biphenyls (PCBs)				V
	21.	Import, Manufacture, or Processing of Toxic Substances				V
	22.	Chemical Storage/Use				~
	23.	Pesticide Use				V
	24.	Hazardous, Toxic, or Criteria Pollutant Air Emissions				~
	25.	Liquid Effluents				V
	26.	Spill Prevention/Surface Water Protection				
	27.	Underground Injection				~
	28.	Hazardous Waste				
	29.	Underground Storage Tanks				V
	30.	Radioactive or Radioactive Mixed Waste				~
	31.	Radiation Exposure				V
	32.	Nanoscale Materials				~
	33.	Genetically Engineered Microorganisms/Plants or Synthetic	c Biology			
	34.	Ozone Depleting Substances				~
	35.	Greenhouse Gas Generation/Sustainability				
	36.	Off-Road Vehicles				V
	37.	Biosafety Level 3-4 Laboratory				~
	38.	Research on Human Subjects or other Vertebrate Animals				~
	39.	Facility footprint exceeds 5,000 Square Feet				V
C.	Other	Relevant Information: Would the proposed action involve th	e followin	<u>g?</u>		
	40.	Disproportionate Nearby Presence of Minority and/or Low	Income P	opulations	Yes	No マ
	41.	Existing, Modified, or New Federal/State Permits		•	┌	V
	42.	Involvement of Another Federal Agency (e.g. license/perm	it, funding	ı, approval)	┌	V
	43.	Action in a State with NEPA-type law	,	,, 11 ,		
	44.	Expansion of Public Utilities/Services				V
	45.	Depletion of a Non-Renewable Resources			П	V
	46.	Subject to an Existing Institutional Work Planning and Con	trol Proce	ess	Ħ	যাবাবাবাব
	47.	Other Pertinent Information Which Could Impact Human H				V
Δnr	olicant c	ertification that to the best of their knowledge all information	nrovided (on this form is acc	urate:	
Whi	Jiloani C	ertification that to the best of their knowledge all information	<u>provided (</u>	on this form is acci	Yes	No
		lisclosure contain: classified, sensitive business, or other expe obligated to disclose pursuant to the Freedom of Informati		mation that DOE		
Α.	Orgar	nization Official (Name and Title): Abbey Manders, Vice Presi	dent & CF	0		
	Signa	ture:	Date:	8/12/2021		
	e-mai					
В.		nal Secondary Approval (Name and Title):				
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		ture:				
	e-mai	l:	Phone:			

V.

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Remainder to be completed by DOE

VI. DOE Concurrence/Recommendation/Determination: A. DOE Project Director/Program Manager or Contract/Grant Management Specialist: Yes No Has the Applicant completed this Form correctly? X X Does an existing generic categorical exclusion apply? If yes, indicate: On File in ACQ Policy Name and Title: Michael Passo Contract Specialist Signature: Wichael A. Passo Date: 8/26/2021 В. DOE NEPA Team Review (if requested): Yes No X Is the class of action identified in the DOE NEPA Regulations (Appendices A-D to П Subpart D (10 CFR § 1021))? If yes, specify the class(es) of action: B3.6, B3.16 Signature: _____ Date: _____ C. DOE Counsel (if requested): Name and Title: Signature: Date: D. DOE NEPA Compliance Officer: The preceding pages are a record of documentation required under DOE Final NEPA Regulation, 10 CFR § 1021.410. 冈 Action may be categorically excluded from further NEPA review. I have determined that the proposed action meets the requirements for Categorical Exclusion referenced above. П Action requires approval by Head of the Field Organization. Recommend preparation of an Environmental Assessment. П Action requires approval by Head of the Field Organization or a Secretarial Officer. Recommend preparation of an Environmental Impact Statement. Comments/limitations if any: NEPA Compliance Officer: Signature: Date:

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Optional Additional Narrative: (add additional detail to description to Sections I and II or explanations to responses in Sections III and IV.

In Phase I of the project, there is a small potential for negative impact on the environment due to the assembly and disposal of ATGU materials. These materials may include hazardous substances such as a small amount of oil (approximately a liter) which will be disposed of separately and in accordance with state and federal disposal guidelines. All materials will be handled in a well-ventilated indoor office space at ORPC in a designated workshop area, where approximately five people have access. ORPC mitigates hazards with existing corporate health and safety policies and procedures, including employee training, proper protective equipment, monitoring and internal assessments.

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