Questions

Q1. Please provide the address of the project site.

Address of the project site : Bellefonte Nuclear Site, Bellefonte Road, Hollywood, Alabama

Q2. Please provide a brief explanation of the project.

The deployment of a BWRX-300 small modular reactor (SMR) unit, as part of a proposed 5-unit project, at the Bellefonte Nuclear Site to provide high-capacity, carbon-free baseload power essential for meeting growing grid demands and data center energy requirements. By utilizing a standardized, modular design and site-specific environmental mitigation strategies, this project aims to support reliable electricity while minimizing the land and resource footprint per megawatt compared to traditional large-scale power facilities. The project integrates advanced nuclear technology with rigorous supply chain oversight and a commitment to safe, sustainable operations.

Q3. Is it a new project to be implemented or a project that has been implemented? If implemented, has it received a serious complaint from local residents or a directive fbr improvement, a stop-work order, a project suspension order, etc., from a local environmental authority?

- (●) New project to be implemented
- ( ) Project that has been implemented (with a complaint)
- ( ) Project that has been implemented (without a complaint)
- ( ) Other( )

Q4. Do the laws or regulations of the country where the project will be implemented require the project to conduct environmental and/or social impact assessments (such as an Environmental and Social Impact Assessment (ESIA) and Environmental Impact Assessment (EIA))? If so, have they been conducted or planned?

- ( ) Required (Assessments done)
- (●) Required (Assessments in progress or being planned)
- ( ) Not Required
- ( ) Other ( )

If "Not Required", please disregard Q5. Please go to Q6.

Q5. If environmental and/or social impact assessments have been conducted, have they been approved in accordance with the environmental and social impact assessment system of the country where the project will be implemented? If so, please also specify the date of the approvals and the name of the authorities.

- ( ) Approved (without condition(s))
- ( ) Approved (with condition(s))
- ( ) Under approval process
- (●) Other (Eenvironmental assessments of Units 5-9 of Bellefonte have not yet been completed or submitted for approval)

Date of Approvals :
Name of Authorities :

Q6. Are there any environmental permits required other than environmental and/or social impact assessments? If required, please specify the status and the name of the permits.

- ( ) Obtained

Required, but not obtained yet
Not required
Other ( )

Name(s) of required permits) :

Applications for the following required permits have not yet been filed:

Federal National Environmental Policy Act (NEPA) review by TVA/NRC

Federal Aviation Administration Determinations of No Hazard and Construction Notice

U.S. Army Corps of Engineers Clean Water Act Section 404 Permit

U.S. Army Corps of Engineers Rivers and Harbors Act Section 10 Permit

U.S. Fish and Wildlife Service Endangered Species Consultation

U.S. Fish and Wildlife Service Incidental/Eagle Take Permits

U.S. Environmental Protection Agency Spill Prevention, Control, and Countermeasure Plan

Alabama Department of Conservation and Natural Resources Species Consultation

Alabama Public Service Commission Certificate of Public Convenience and Necessity

Alabama Department of Environmental Management (ADEM) Prevention of Significant Deterioration Preconstruction Permit (if needed) or TDEC minor source construction permit

ADEM Clean Water Act Section 401 Water Quality Certification

ADEM NPDES Industrial Wastewater Permit

ADEM Stormwater Discharge Permit

Alabama Historical Commission Cultural Resource Review

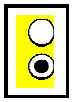
Alabama Department of Transportation Right-of-Way and Crossing Permits

Q7. Will the project be specified after JBIC made a funding commitment (as in the case of a two-step loan, where sub-projects cannot be specified at the time of a funding commitment)?

Yes
No

If "Yes", please disregard the following questions.
If 'No", please go to Q8.

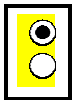
Q8. Will JBIC's funding be used to serve as support for international balance of payments or to be used for the provision of goods or services that does not involve installation or implementation in particular sites or regions, as in the case of export/import or lease of machinery or equipment that is not connected with a particular project?



Yes
No

If "Yes", please disregard the following questions.
If 'No", please go to Q9.

Q9. Are there any environmentally sensitive area(s) shown below in or near the project site(s)?

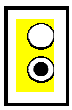


Yes
No

If "Yes", please mark the applicable items and go to Q10.
If "No", please go to Q10.

- ☐ (1) National parks, nationally-designated protected areas (coastal areas, wetlands, areas for ethnic minorities or indigenous peoples, and cultural heritage, etc., designated by national governments)
- ☐ (2) Forests with important ecological value (including primary forests and natural forests in tropical areas)
- ☐ (3) Habitats with important ecological value (including coral reefs, mangrove wetlands, and tidal flats)
- ☑ (4) Habitats of rare species requiring protection under domestic legislation, international treaties, etc.
- ☐ (5) Areas in danger of large-scale salt accumulation or soil erosion
- ☐ (6) Areas with a remarkable tendency towards desertification
- ☑ (7) Areas with unique archaeological, historical or cultural value
- ☐ (8) Areas inhabited by ethnic minorities, indigenous peoples, or nomadic peoples with traditional ways of life (including areas which are used for cultural and spiritual purposes) and other areas with special social value

Q10. Is the project anticipated to involve the following characteristics?



Yes
No

If "Yes", please specify their scale.
If "No", please go to Q12.

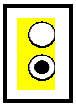
- ☐ (1) Involuntary resettlement or loss of means of livelihood (Number of affected people:)
- ☐ (2) Groundwater pumping (Scale: ㎥/year)
- ☐ (3) Land reclamation, land development, and land clearing (Scale: ha)
- ☐ (4) Logging (Scale: ha)

Q11. Under the environmental and social impact assessment system of the country where the project will be implemented, do the applicable characteristics (1) - (4) of Q10 above and their scale serve as the basis for executing an ESIA for the project?

Yes, they do

☐ No, they do not
☐ Other ( )

Q12. Is the project likely to have a significant social impact, including human rights?

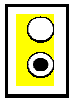


Yes
No

If "Yes", please describe the impacts and go to Q13.
If "No", please go to Q13.

☐ Likelihood of a significant impact on human rights ( )
☐ Other ( )

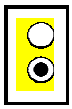
Q13. Will JBIC's funding or NEXI's insurable value be equal to or less than 5% of the total project cost, or will JBIC's funding or NEXI's insurable value be equal to or less than SDR 10 million? (If the funding or insurable value is additional to a project that has been supported by JBIC or NEXI, please add up the previous funding or insurable value and the funding or insurable value being considered to apply for this time.)



Yes
No

If "Yes", please disregard the following questions.
If "No", please go to Q14.

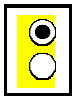
Q14. Is the project for capital investment or working capital in a project that has been implemented and does it involve no material change in output or function (as in the case of maintenance of the existing facilities, non-expansionary renovation project, and acquisition of rights and interests without additional capital investment)?



Yes
No

If "Yes", please disregard the following questions.
If "No", please go to Q15.

Q15. Is the project in any of the following sectors?



Yes
No

If "Yes", mark the applicable sectors and go to Q 16.
If '"No", please disregard the following question.

☐ (1) Mining
☐ (2) Oil and natural gas development
☐ (3) Pipelines
☐ (4) Iron and steel (projects that include large furnaces)
☐ (5) Non-ferrous metals smelting and refining
☐ (6) Petrochemicals (manufacture of raw materials; including complexes)
☐ (7) Petroleum refining
☐ (8) Oil, gas, and chemical terminals
☐ (9) Paper and pulp
☐ (10) Cement plants (including a greenfield quarry)
☐ (11) Manufacture and transport of toxic or poisonous substances regulated by international treaties, etc.

- ☐ (12) Thermal power
- ☑ (13) Nuclear power
- ☐ (14) Hydropower, dams, and reservoirs
- ☐ (15) Power transmission and distribution lines involving large-scale involuntary resettlement, large-scale logging, or submarine electrical cables
- ☐ (16) Roads, railways, and bridges
- ☐ (17) Airports
- ☐ (18) Ports and harbors
- ☐ (19) Sewage and wastewater treatment having sensitive characteristics or located in sensitive areas or their vicinity
- ☐ (20) Waste management and disposal
- ☐ (21) Agriculture involving large-scale land-clearing or irrigation
- ☐ (22) Forestry
- ☐ (23) Tourism (construction of hotels, etc.)

Q16. Please provide information on the scale of the project (project area, area of plants and buildings, production capacity, amounts of power generation, etc.). In addition, pleased explain whether an environmental and/or social impact assessment is required on account of the large scale of the project in the country where the project will be implemented.

The Bellefonte site totals approximately 1,600 acres and is located in Hollywood, Alabama. Unit 5 of Bellefonte is one of five (5) units, each producing approximately 300 MWe, that are proposed to be located at the site. These five (5) proposed units are referred to collectively as "Unit 5-9" of Bellefonte due to the four units that were previously proposed to be developed at the site and for which applications were previously submitted for licenses from the Nuclear Regulatory Commission (NRC)) ("Units 1-4"). As part of the prior activity to evaluate the Bellefonte site for construction of Units 1–4, the license applications to NRC for those units underwent environmental review pursuant to NEPA, including a 1974 Final Environmental Statement supporting the NRC's issuance of Construction Permits for Units 1 and 2 and concluding that the site was suitable for the development of Units 1 and 2, and the NRC's environmental review for proposed Units 3 and 4, and that record was later supplemented by TVA's May 2010 Final Supplemental EIS, which identified completion of Unit 1 as the preferred alternative for a single nuclear unit at the site.

The area in which the plants and buildings at the site, including Unit 5, will be located remains subject to finalization based on ongoing layout design work. Under the National Environmental Policy Act (NEPA), an Environmental Impact Statement (EIS) is expected to be required for Units 5-9 of Bellefonte, because the construction and operation of nuclear power plants, including SMRs, requires the issuance of licenses from the NRC and is therefore considered a "major federal action." Units 5-9 of Bellefonte will therefore require, pursuant to NEPA, a review of their environmental and social impacts.