

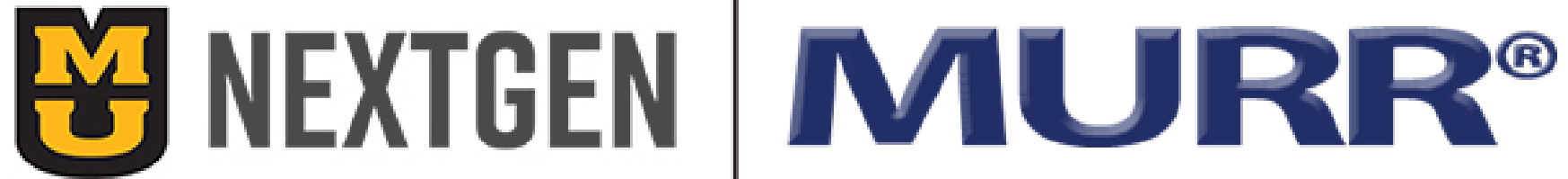
## RFQ #23101 Pre-Proposal Questions & Notes

The following information is from the pre-proposal meeting held on April 17, 2023. The attached PowerPoint presentation was shared with all. It was also noted the deadline for questions to be submitted is May 30<sup>th</sup>, 2023 by 5:00 p.m. CDT.

The following questions were received during the meeting. Responses follow the questions.

1. When questions are submitted, will we respond immediately or hold all questions until after the May 30<sup>th</sup> deadline?  
Answers will be shared as soon as possible. Depending on when questions are received, we may issue answers prior to May 30<sup>th</sup>, or we may wait and group them together.
2. Should they only respond to the RFQ if they can provide the complete team for the project?  
Yes, that is correct.
3. Does the nuclear reactor company have to be the lead, or can the design company be the lead and the nuclear reactor company be sub-lead?  
The reactor designer does need to be the lead firm, however, it is acceptable if the responding consortium organizes itself such that another member of the consortium takes on primary project management responsibilities so long as the consortium ensures that MURR has direct access to communicate with the reactor design team throughout the project and the reactor designer serves as the primary point of contact on behalf of the consortium with the NRC.
4. Does the reactor utilize the low enriched uranium fuel, or is higher acceptable?  
It is expected that HALEU fuel will be required to achieve the reactor performance objectives (i.e. Enrichment between 5% -20%). The primary requirement is to stay below 20% enrichment.
5. What type of contract/pricing is envisioned for the design?  
We have not defined the cost structure at this time. This will be defined in the RFP.
6. Is there a page limit for submittal?  
There is no page limit. We need comprehensive, yet useful information. Please use your best discretion when submitting your response.
7. Are we limited to the tank-in-pool design?  
We are not limited to a particular design, as long as the design can meet our needs.
8. Who will be the contracted party for MURR?  
The contracted party will be The Curators of the University of Missouri.
9. Who is the funding entity?  
The funding will be from a combination of sources. For this stage, it is University funds and public funds allocated to the University.
10. Is there adequate funding for this phase?  
We will not know what this phase will cost until we receive the RFP submissions, so we can't fully answer. However, we will have adequate funding for any award that is made in conjunction with this RFQ/RFP.

11. What is the timeframe for design and construction?  
The contract is estimated to be completed by March 2024, and the completion of design and licensing objectives by March 2026. This includes the design being submitted to NRC in order to get a construction permit.
12. Are neutron beam ports required in the reactor?  
They are not required/not essential.
13. Will the company need to survey the site in preparation for submitting a permit?  
Discovery Ridge is suited for this type of construction. NRC previously issued a construction permit for a project that didn't move forward. Without the preliminary design, we have chosen not to define a specific location within Discovery Ridge and identification of the optimal site within Discovery Ridge is expected to be part of the project team's scope if selected.
14. Who will be responsible for the safety report and analysis?  
The permit will be issued to the University, but the prime needs to submit the report in order to obtain the permit.
15. Will interfaces to isotope plants be part of the scope of this project?  
Assume the University already has interfaces integrated based on current operations.
16. Is a 20 Mw thermal a fixed requirement, or can it be a lower megawatt if it still achieves the requirements?  
20 Mw thermal is not a fixed requirement.
17. Does the operating cycle of the reactor need to remain the same?  
Continuation of the existing operating cycle, which currently operates year-round with one maintenance outage each week, is critical. It is less desirable for the system to be down for long timeframes.



# RFQ/RFP Pre-Proposal Meeting

April 17, 2023



# RFQ/RFP Overview

- The university has issued the Request for Qualifications (RFQ) to qualify and contract with a single project team capable of providing design, licensing, environmental and development services for its next nuclear research reactor.
- The University will select a project team based on a two-step RFQ/Request for Proposals (RFP) submission process.
  - In Step One-RFQ, the University will evaluate responsive project teams based on qualifications, relevant experience, conceptual work plan, management framework and financial capacity.
  - In Step Two-RFP, the University will evaluate and compare the specific proposals, preliminary reactor designs, and financial structure proposed by up to five (5) respondents selected in Step One-RFQ.
- **An award does not guarantee a commitment to proceed with fabrication of the reactor.**
- However, the project team selected for the award will be given an exclusive right of first refusal for the fabrication of the reactor once all design and licensing work is complete and bids for fabrication have been received.

# RFQ/RFP Project Schedule

## Step One-RFQ:

RFQ Issue Date	April 10, 2023
Pre-proposal Meeting	April 17, 2023
RFQ Submittal Deadline	June 9, 2023
RFQ Shortlist Selection	July 7, 2023
RFQ Interviews	July 17-21, 2023
<b>RFQ Finalist Selection</b>	<b>August 8, 2023</b>

## Step Two-RFP (for invited respondents):

RFP Issue Date	August 11, 2023
RFP Due Date	October 10, 2023
<b>Project Team Selection</b>	<b>October 24, 2023</b>
<b>Project Team BOC Approval</b>	<b>November 2023</b>
Execution of Service Agreement(s)	Friday, March 15, 2024
Completion of design and licensing objectives	March 2026