**iCAP Team Recommendation**

Name of SWATeam: Energy

SWATeam chair(s): Bill Rose and Andrew Stumpf Date submitted to iWG:

Recommendation title: Micro-Modular Reactor (MMR) Safety and Security Assessment

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*For internal use only*: Date reviewed by iCAP Working Group:

Specific actions/policy recommendation: We recommend that the campus commission a report on safety and security surrounding the micro-modular reactor (MMR).

Suggested unit/department to address implementation: The Office of the Chancellor

Rationale for recommendation: The contractor for the Comprehensive Energy Plan (CEP) is expected to assess the cost and engineering facets of the MMR project, but not safety and security. Given that safety and security will be of utmost importance in upcoming campus and community debate surrounding the MMR, an assessment of these aspects will be significant in informing the final decision for inclusion in the CEP.

Safety and security assessment falls outside the purview of the Energy Team but is essential to promote acceptance of the project by the campus and the community. The Office of the Chancellor is equipped to commission a report that has the greatest likelihood of acceptance by the campus and the community.

Connection to iCAP goals: 2020 iCAP Energy goal 2.1, page 38; 2020 iCAP Energy goal 2.3, pages 48 and 54

Perceived challenges: While this recommendation pertains specifically to the safety and security of the MMR project to inform its potential inclusion in the CEP, opposition to the project and project location may play a role in framing this information.

Anticipated timeline of implementation: Complete alongside engineering assessment for MMR, finalize prior to CEP completion.

Anticipated budget (identify if cost is up-front or continuous): unknown

Individual comments are required from each SWATeam member (one or two sentences):

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| Team Member Name | Team Member’s Comments |
| Bill Rose | This recommendation has my strong support. Safety and security must be addressed for the benefit of the university and regional community. |
| Andrew Stumpf | Publishing a report about the safety and security will be an important part of the MMR’s development and address concerns of the campus and the adjacent communities.  |
| Yun Kyu Yi | I recommend having a 3rd party on the safety and security report so that all campus members and the community can have a better sense of the risk and benefit of the project. |
| Tim Mies | With the anticipated location of these next generation nuclear energy projects within the campus footprint and adjacent to our partner communities, safety and security must be fully studied and presented. Without sufficient addressing these concerns, this potentially critical energy source needed to achieve campus iCAP goals will likely fail. I fully support this recommendation.  |
| Damon McFall | Security, Safety, and Current Examples of safe and secure operations or comparisons with sufficient supporting data is needed to help decide its application on campus or not. This study will be crucial. |
| Brad Frantz | Security and Safety are going to be one of the most important aspects of this project. That will help sell it since people are extremely nervous about anything nuclear.  |
| Paul Foote | Innovative research is paramount for our success, the safety and security of the campus and surrounding communities is without compromise and therefore takes precedence. This recommendation provides necessary reporting to determine the health, safety and security risks and ensure the Safety and Security of the entire community while moving forward.  |
| Shannon Anderson | Having safety and security information to disseminate to the public about this project is incredibly important to prevent the spread of misinformation and allow the MMR project to gain community support. |
| Matthew Gold | Communicating safety and security pertaining to this project is extremely important to the surrounding community. I am in full support for this recommendation and believe it will make an essential difference moving forward. |
| Ritvik Desai | I am in favour of this recommendation since it is of great importance to develop this budgetary plan in order for UIUC to achieve its iCAP goal. |
| Meghana Pothukuchi | This recommendation has my full support. The safety and security of the campus and community is of crucial importance to not only this project, but the benefit of the public’s awareness and wellbeing. |

Further explanation and background (can be supplied in an attachment):

Comments from consultation group (if any; these can be anonymous):