Briefly, and in bullet form, please answer the prompts below to the best of your ability. It is understood that responses may be incomplete and include many assumptions at this stage. Please do NOT include any confidential or proprietary information in this submission

Send your completed form to Darren.fast@umanitoba.ca with “WCIO Project Submission” in the subject field

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| Initiative Champion: |  |
| Initiative Team Member Name (add lines as necessary) | Company or Institution | Email and/or phone |
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Energy sub-sector for this project: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Industry Problem and Solution  |
| 1. What is the industry problem your initiative is addressing? |
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| 2. How will this initiative address and solve this problem? |
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| 3. Describe how this is an industry problem (rather than a single company issue)? |
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| 4. List potential industry partners you would consider approaching to support this initiative |
|  |
| 5. List potential academic partners you would consider approaching to support this initiative  |
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| 6. What other expertise, facilities, equipment, and resources could be included (e.g. from additional institutional or corporate partners) for the initiative to effectively address the industry need? |
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| Success Measures  |
| 7. What would quantifiable success look like for this initiative and how will these be measured? |
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| Capabilities  |
| 8. How is your team ideally positioned to contribute to the initiative’s ability to tackle the problem? What existing capabilities will this initiative draw upon (people, programs, equipment and infrastructure)? Include separate details for all institution and industry partners involved. |
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| Resources  |
| 9. Provide a preliminary estimation of the expected budget needed for personnel. |
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| 10. Provide a preliminary estimation of the expected budget needed for equipment/ operating. |
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| 11. Provide a preliminary estimation of any other budgetary needs. Note: indirect costs of research at academic institutions may need to be accounted for. |
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| Potential External Stakeholders  |
| 12. List other potential sources/programs that you would consider approaching to support this initiative. |
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| Operations  |
| 13. Explain how this initiative will operate in terms of management, staffing, student and other involvement. |
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| 14. Explain how intellectual property will be managed. |
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| Benefits  |
| 15. List the potential benefits of this initiative to Western Canada, and how the initiative will contribute to increased capacity for innovation, job creation, investment and economic growth. |
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| Action Plan  |
| 16. List the activities your team will undertake in the coming stages of development and by what date they will be completed (include necessary internal deadlines for approvals). |
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| **FOR OFFICE USE ONLY**

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| **Gatekeeper Decision** |  |  |  |  |
| **Gatekeepers** |
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|  |  |  |
| **Gatekeeper Comments** |
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