

MD OF ACADIA & SPECIAL AREAS JOINT IRRIGATION STUDY

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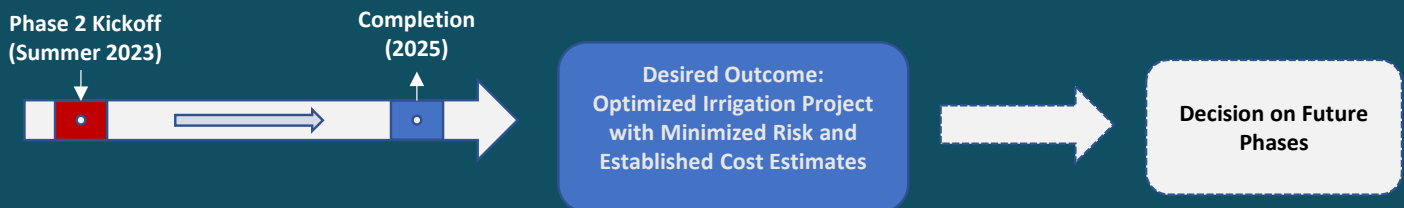
A MESSAGE TO OUR READERS

In March 2021, the Government of Alberta, Canada Infrastructure Bank (CIB), MD of Acadia (MDA) and Special Areas Board (SAB) reached a Memorandum of Understanding to assess the technical and financial feasibility of irrigation expansion in east-central Alberta. A Phase 1 project feasibility report was completed in 2022 and is available on SAB's website (<https://specialareas.ab.ca/regionalirrigation/>) under the "Technical Information" section:

This Quarterly Update document is the fourth in a series of status updates for the second phase of the project. It is available on the SAB website along with the previous updates.

WHAT'S HAPPENING IN THIS PHASE?

STUDY PROCESS



Phase 2 of the MD of Acadia & Special Areas Joint Irrigation Project further investigates potential challenges and risks and explores ways to optimize the path forward. Phase 2 activities include:

- Engineering work including field studies, water availability analysis, conceptual design of major infrastructure components, review of power supply and demand, and initial cost estimating
- Initial engagement and environmental permitting
- Financial analysis and potential revenue generation development



Environmental Field Survey Performed Southwest of Prince's Spring on Horseback. Photo Credit: Associated Environmental.

CURRENT QUARTER ACTIVITIES

- Environmental field program (plant and animal field surveys)
- Heritage resource screening to determine areas of potential archaeological or paleontological sensitivity
- Geotechnical drilling program and lab analysis of potential reservoir and dam locations to determine suitability
- Hydrogeologic and groundwater modelling of potential reservoir locations to determine likelihood of seepage
- Cost optimization - review of options to optimize project design compared to cost
- Refining irrigation blocks based on cost optimization
- Continued progress in defining the financial and procurement model for the project

WORK ANTICIPATED NEXT QUARTER

- Refinement of design of irrigation blocks, reservoirs, canals, pipelines and water modelling for optimized arrangement
- Engagement and coordination with environmental regulators
- Further consideration of power supply options



Photo of Project Area Taken During Environmental Surveys South of A1 Reservoir. Photo Credit: Associated Environmental.

CONTACT

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