MEADOW LAKE
GENERATION REPLACEMENT
November 2025

OVERVIEW

We're exploring the potential to build a 55-megawatt (MW) natural gas facility in the Meadow Lake area.

A new facility is needed to ensure the reliability of the power system in the area. The existing Meadow Lake Power Station has reached end-of-life and will only be operated on an emergency basis in the future if we proceed with the new facility.

While we previously considered constructing a new transmission line, we've determined that building new generation is a better option. This way, we can address current needs, system security and restoration, and we'll be able to provide additional power supply to the north in the case of an outage. The feedback we received during our previous engagement process helped us move in this new direction.

Before we make the decision about whether to build, we'll be engaging with the public and completing field studies.

TECHNOLOGY OPTIONS

The proposed facility will use natural gas-fired Reciprocating Internal Combustion Engines (RICE). A RICE facility was selected because it will take a relatively short time to construct and will provide fast, flexible, dispatchable energy with no seaonal effects on performance. The technology is sized appropriately for the supply need, and allows for increased operational flexibility and reliability. The facility may also be designed to allow for potential future expansion.

WHY NATURAL GAS?

We're continuing to make significant investments into our power system to ensure reliable and affordable power for our customers and to support our growing province. For this project, natural gas generation is the only suitable supply option that can be installed in the time required to ensure we meet current and future demand.

SITE SELECTION

We've identified two sites near the existing power station that could host the proposed facility and we've secured options to purchase for each. Please see the attached map for more details. Since some of the equipment takes time to build, we're moving forward with procurement while we complete field studies to ensure site feasibility and determine the best location.

WHAT TO EXPECT

If we decide to proceed, we hope to purchase land for the station by the end of 2026. The facility could be built and in service as early as late 2029. We'll also need to connect the new power station to our power grid.

WHAT ABOUT THE ENVIRONMENT?

What we do today impacts our future. We're always working hard to reduce our impact on the environment.

As we plan projects, we use tools like databases, satellite imagery, and field surveys to understand the environment we're working in.

As projects move forward, we'll make sure environmental protection standards are in place to reduce our impact on features like:

- Waterbodies
- Sensitive lands
- Wildlife and their habitat
- Heritage resources

WE'D LIKE YOUR FEEDBACK

Your input is important to us as we begin the design and construction planning process.

We'll be engaging with Rightsholders, landowners and other stakeholders in the area over the coming months to discuss the proposed facility.

We'd like to hear your thoughts about the project, plus:

- What should we consider when designing the station to minimize impact to you?
- How can we minimize impacts to you during the project's construction phase?
- What environment and wildlife features are you aware of in the area?
- Are there economic partnerships we should consider?
- What concerns and questions do you have?
- Who else should we be talking with?

ESTIMATED PROJECT TIMELINE

Initial engagement:	Underway
Site selection:	Fall 2026
Follow-up consultation:	2027
Build Partner selected:	2028
Construction start:	2028
Construction complete:	2029 / 2030

CONTACT US

INDIGENOUS RELATIONS

IndigenousRelations@saskpower.com
306-491-8728

STAKEHOLDER RELATIONS

PublicEngagement@saskpower.com
1-833-500-5501 (toll-free)

THINGS WE CONSIDER WHEN PLANNING A PROJECT

INDIGENOUS KNOWLEDGE:

We engage Indigenous communities to seek invaluable knowledge. Local and Indigenous knowledge refers to the understandings, skills and philosophies developed by societies with long histories of interaction with their natural surroundings like hunting, fishing, trapping, ceremonial and spiritual uses.

ENVIRONMENT:

We consider our potential impacts on many environmental aspects like designated lands, land cover, and heritage resources, as well as on sensitive plants, animals, and their habitats. When it's not possible to avoid these environmental features, we'll work with Rightsholders, stakeholders, and regulators to find the most responsible way to mitigate impacts. We follow SaskPower's Environmental Beneficial Management Practices.

LAND USE:

We recognize that land and resource use is important to agricultural operations, property owners, communities and resource users like hunters and trappers, commercial operators, nature, environmental organizations and the public. We consider how resources or access to resources may be affected as well as community land use plans and proximity to communities, residences, habitable buildings, outbuildings.

SOCIAL:

We consider the social value communities place on landscapes, points of interest, economic benefits to local communities, job opportunities and recreation activities.

TECHNICAL:

We consider engineering and construction standards as well as access, terrain, design, system reliability, proximity to required and other existing infrastructure. SaskPower is committed to ensuring public safety and safe access for construction and maintenance activities.

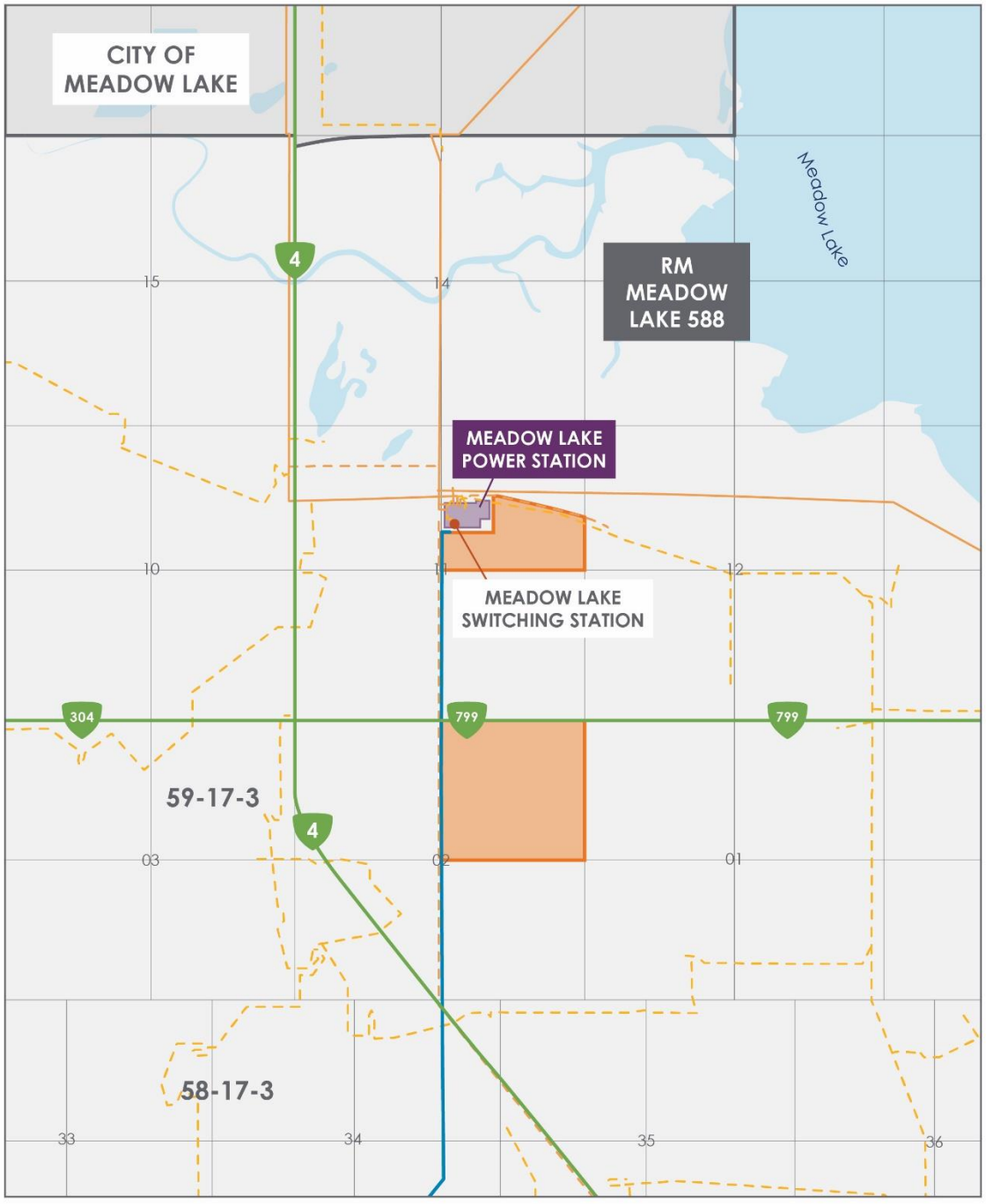
COST:

We consider capital costs (project budget), operating budget (long term maintenance), land acquisition costs and impact on power rates.

WHAT ARE WE MISSING?

Tell us in the feedback form provided.

MEADOW LAKE REPLACEMENT POWER STATION
SITING MAP



Existing Infrastructure

- 138kV Transmission Lines
- 72kV Transmission Lines
- Overhead/Underground Distribution Lines
- Highways
- Grid Roads
- City Limits

Potential Generation

- Potential Generation Site Locations