Dundonald Avenue Solar Farm

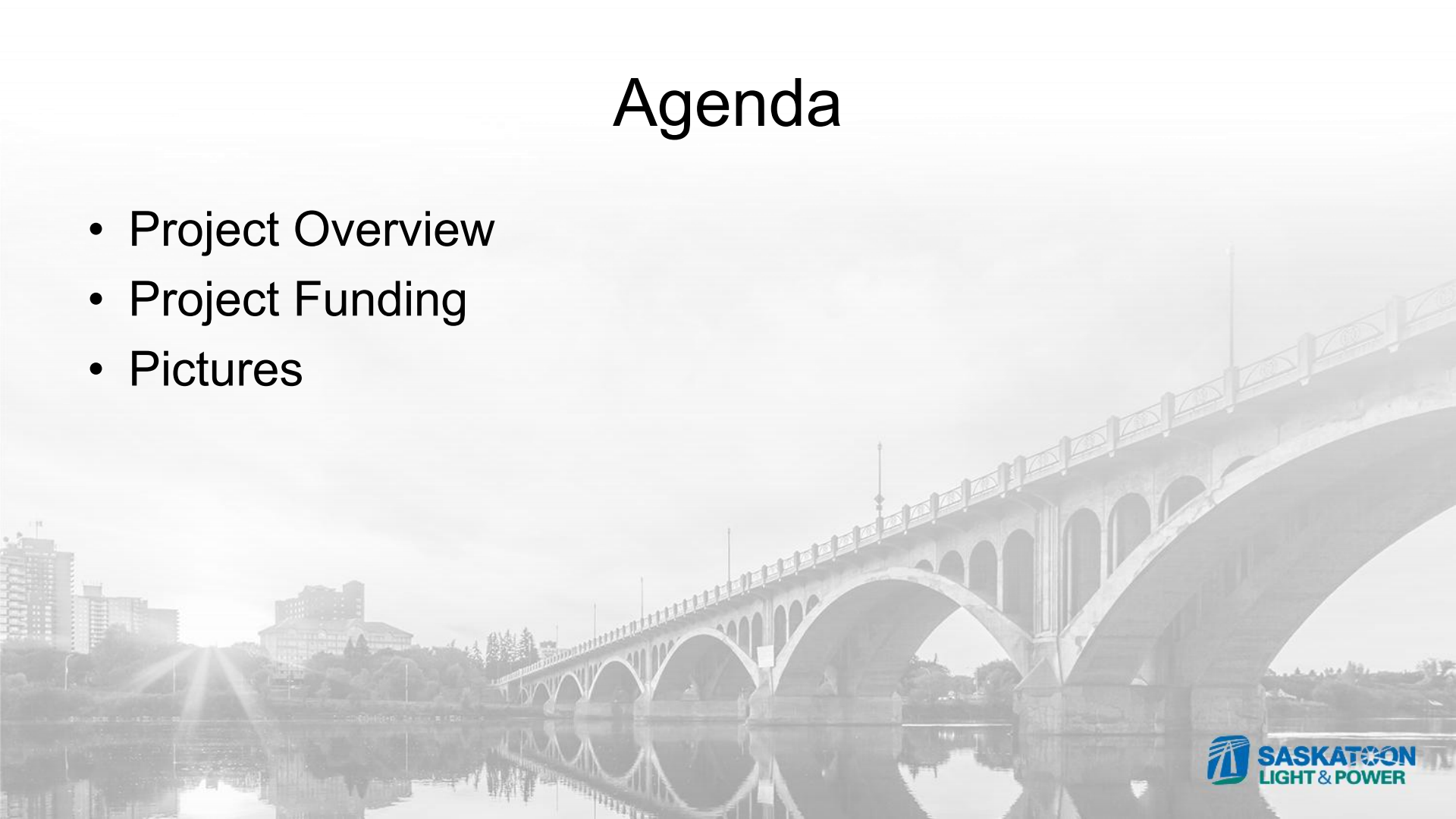
SWRC Presentation
October 7, 2026

Dan Zacharias, P.Eng., Sustainable Electricity Engineer
Saskatoon Light & Power



Agenda

- Project Overview
- Project Funding
- Pictures

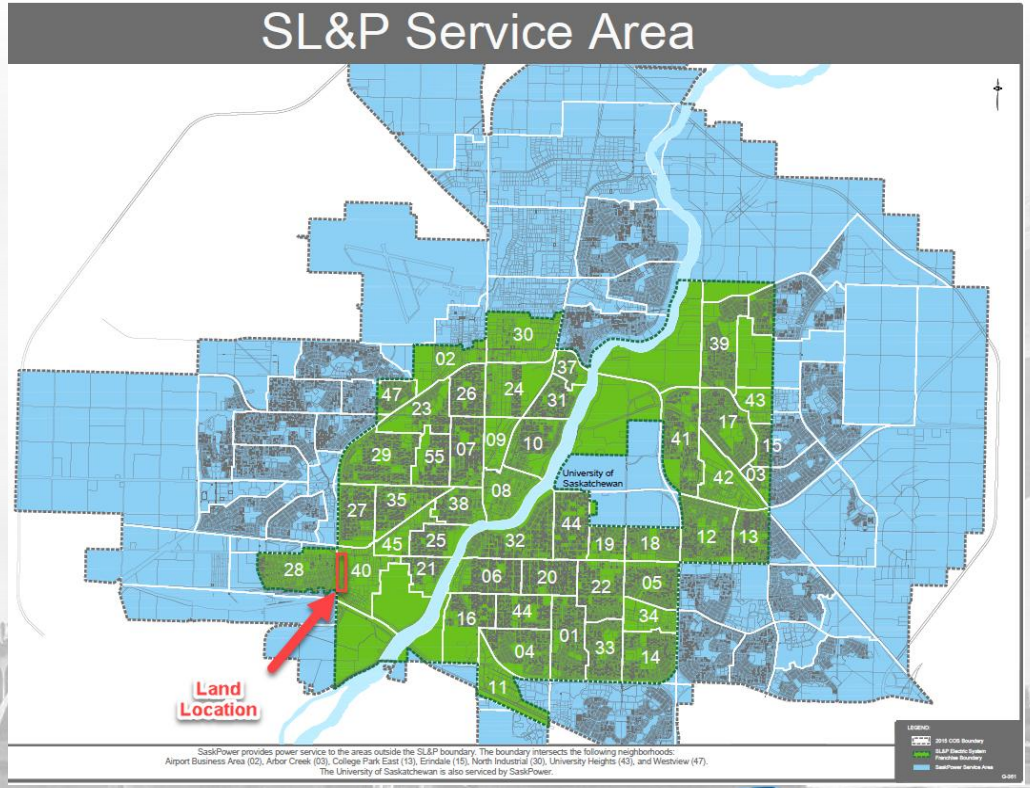


Dundonald Ave Solar Farm Project Overview

Dundonald Avenue Solar Farm

- Vacant & undeveloped land investigated for solar development.
  - 14-acre parcel of land reserved for solar development.

- Land is ideal for solar:
  - Marginal land.
  - Limited access.
  - No impact on neighborhood area plans.
  - South exposure.
  - Near electrical distribution system.



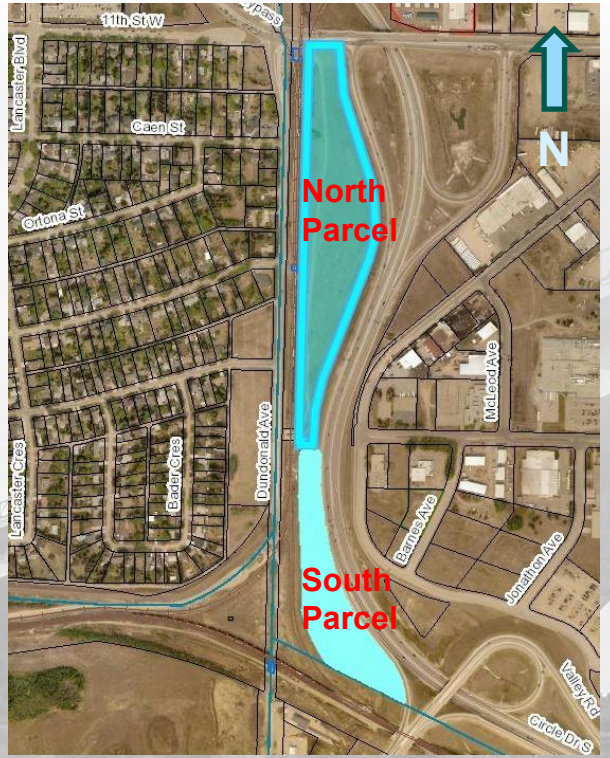
Project Overview (Con't)

Dundonald Avenue Solar Farm

- Led by Saskatoon Light & Power, a department of City of Saskatoon

- Location
  - East of Dundonald Ave and west of Circle Drive South.
  - South of 11th Street West.
  - CN railway runs along the entire west side with a single private crossing

- Land Utilization
  - Solar farm consists of two halves/parcels: North Parcel & South Parcel
  - 14 acres of combined land, 2.8MW-dc of solar



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Project Overview (Con't)

- Aerial View – looking south



- Aerial View – looking north



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Project Overview (Con't)

Dundonald Avenue Solar Farm

- **Local Area Plans**
  - Use of land, noise studies and future roadways **not impacted.**

- **Project Benefits**
  - Produces 3.5 gigawatt-hours per year, enough clean electricity to power approximately 400 homes
  - Helps City of Saskatoon lower its electricity greenhouse gas emissions by approximately 23,000 tonnes of CO2 equivalent over its 30-year life

- **Co-benefits**
  - Native species planted under solar units boost biodiversity, enhance soil health, and reduce erosion
  - Native grass and pollinator plants also reduce maintenance costs and are more resilient to extreme weather
  - Also provides cooling to the underside of the solar panels increasing panel efficiency in summer

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Project Funding

- Construction funded in part through **Investing in Canada Infrastructure Program** (ICIP)

- Grant Funding through the **Naturalized Infrastructure Fund** (NIF) for native plant species

- Internal SL&P and City of Saskatoon Funding

Project Funding - **ICIP**

- Formal application for ICIP funding made in June 2020
- Agreement was signed in June 2021
- Progress reports were delivered twice per year
- Final report was delivered in August 2026
- Reports were prepared by COS Financial Analysts

Project Funding - **NIF**

- Discussions with COS internal sustainability group began in 2022
- NIF funding for the solar farm was one of many COS projects receiving funding

Dundonald Ave Solar Farm Pictures





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… More Pictures





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Questions?

