



**City of North St. Paul
City Council
Workshop Meeting Agenda**

**February 4, 2025
5:15 PM**

The City Council Workshop Meeting will be conducted on **February 4, 2025** at 5:15 p.m. in the Council Chambers at City Hall, located at 2400 Margaret St., North St. Paul.

You can watch the meeting on our YouTube channel here: [**tinyurl.com/NSPYouTube**](https://tinyurl.com/NSPYouTube)

I. Call to Order

II. Roll Call

Council Member McKenzie
Council Member Schweer
Council Member Woods
Council Member Nordby
Mayor Monge

III. Adopt Agenda

IV. Topic(s)

- A. Electric Department Update
- B. Public Works Department Update

V. Other Business

VI. Adjournment

The next regularly scheduled City Council Workshop meeting is February 18, 2025



To	Date
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Honorable Mayor Monge and City Council
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February 4, 2025

Agenda Placement # IV.A

Topic(s)

Subject

Electric Department Update

Background/Facts

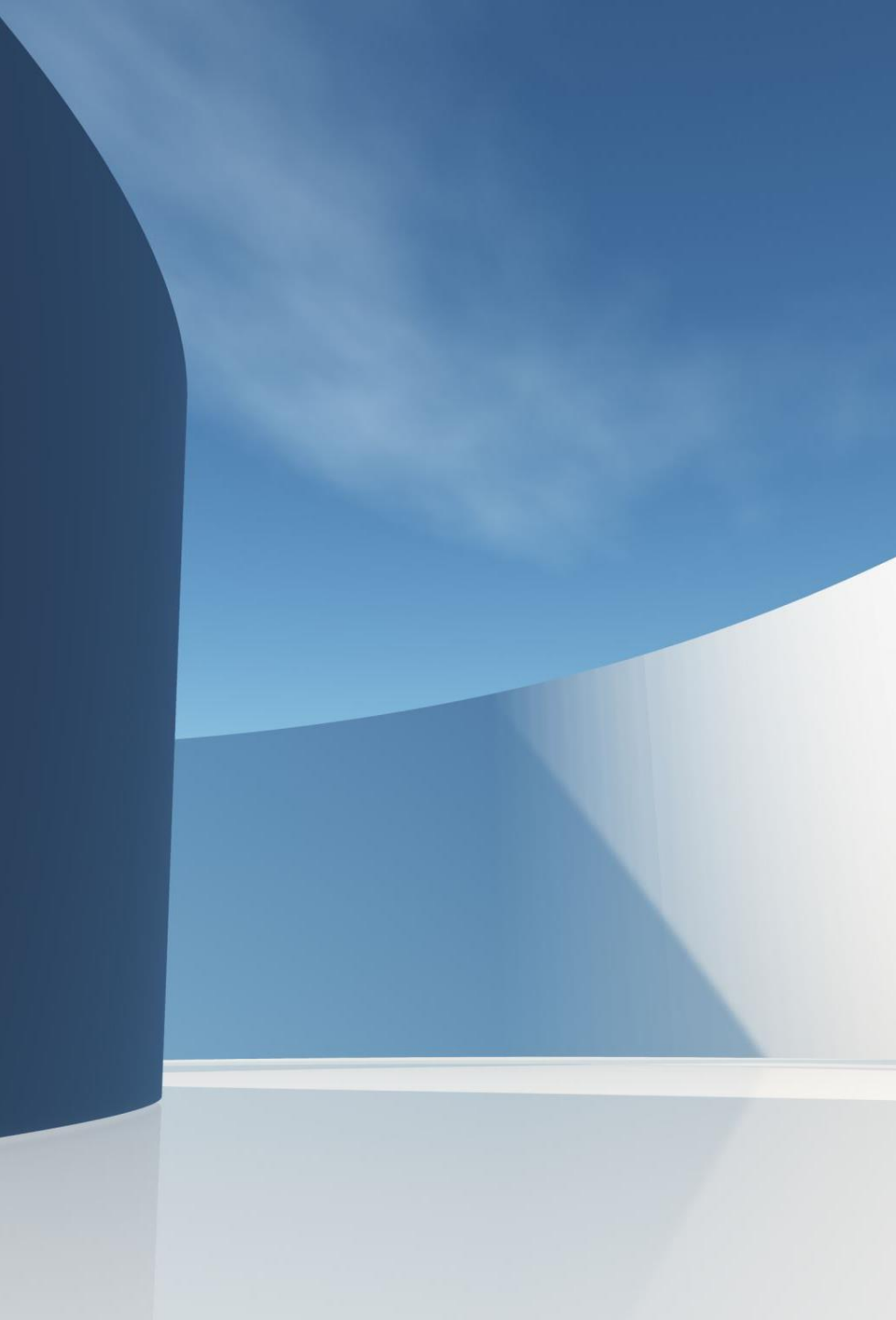
PowerPoint presentation

Recommended Action

Attachments

1. 2025North St Paul Electric Utility

Respectfully submitted,



NORTH ST PAUL ELECTRIC UTILITY

Electric Director: John Wick

Electric Superintendent: Easton Dale

CURRENT SNAP SHOT

- **About myself**
- **What is a North St Paul Line Worker**
- **How to become a Line Worker**
- **Current Department**
- **Line Workers at work**

ABOUT MYSELF

Hired in 2009 as a seasonal employee

Hired full time to the electric department as a Line Worker

Completed Line Worker Apprenticeship through the City

Grew up in the north metro (Forest Lake)

Currently live in Forest Lake, with my wife, our son and daughter

WHAT IS A NORTH ST PAUL LINE WORKER?

Service the distribution electrical infrastructure

Install, maintain, and repair/replace high voltage lines and equipment

Operate equipment (Bucket trucks, Digger Derrick Trucks, Excavators, Backhoes, Skid Loaders, Hydro Excavators, etc)

On Call 24/7

Climbing Capable

Journeymen are expected to have completed an apprenticeship program

HOW TO BECOME A LINE WORKER

Important to be physically active

Enjoy working outdoors and in the elements

Complete High School

Obtain a commercial Driver's License (Class A)

Attend and complete an electric line worker program (Dakota County, Wadena)

After School, complete a 4-year apprenticeship program

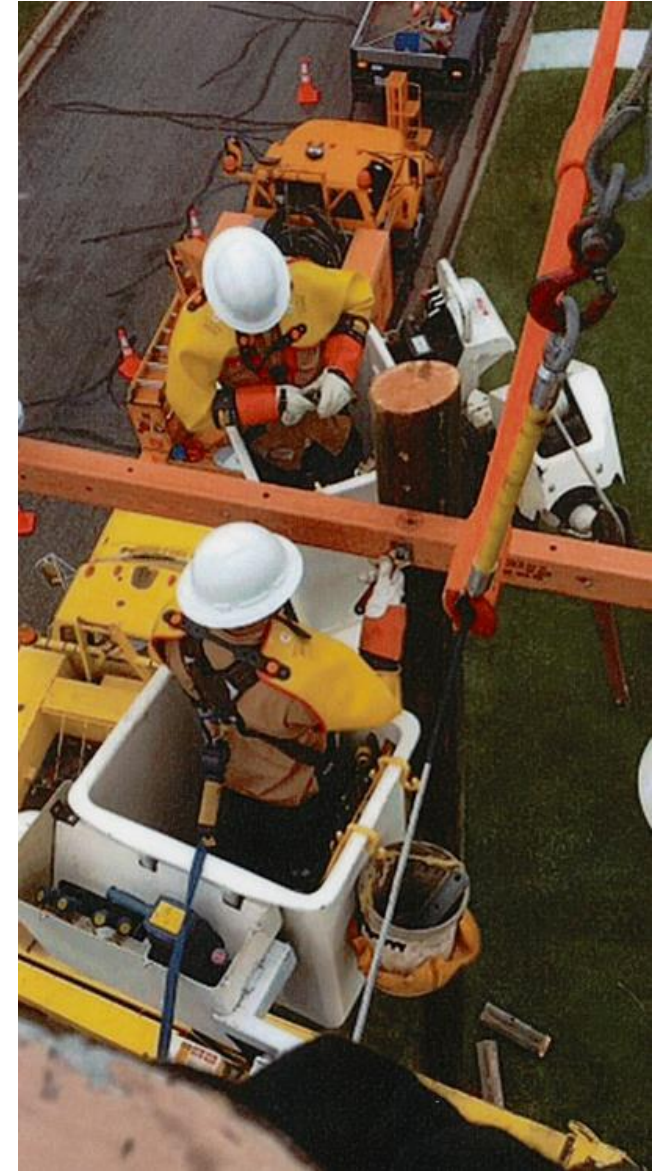
CURRENT DEPARTMENT

**7 Line workers and 1
Utility Locator**

- **2 apprentices and 5
Journeyman**

**Variety in years of
service (2-40)**

**1 Electric Director and 1
Electric Superintendent**

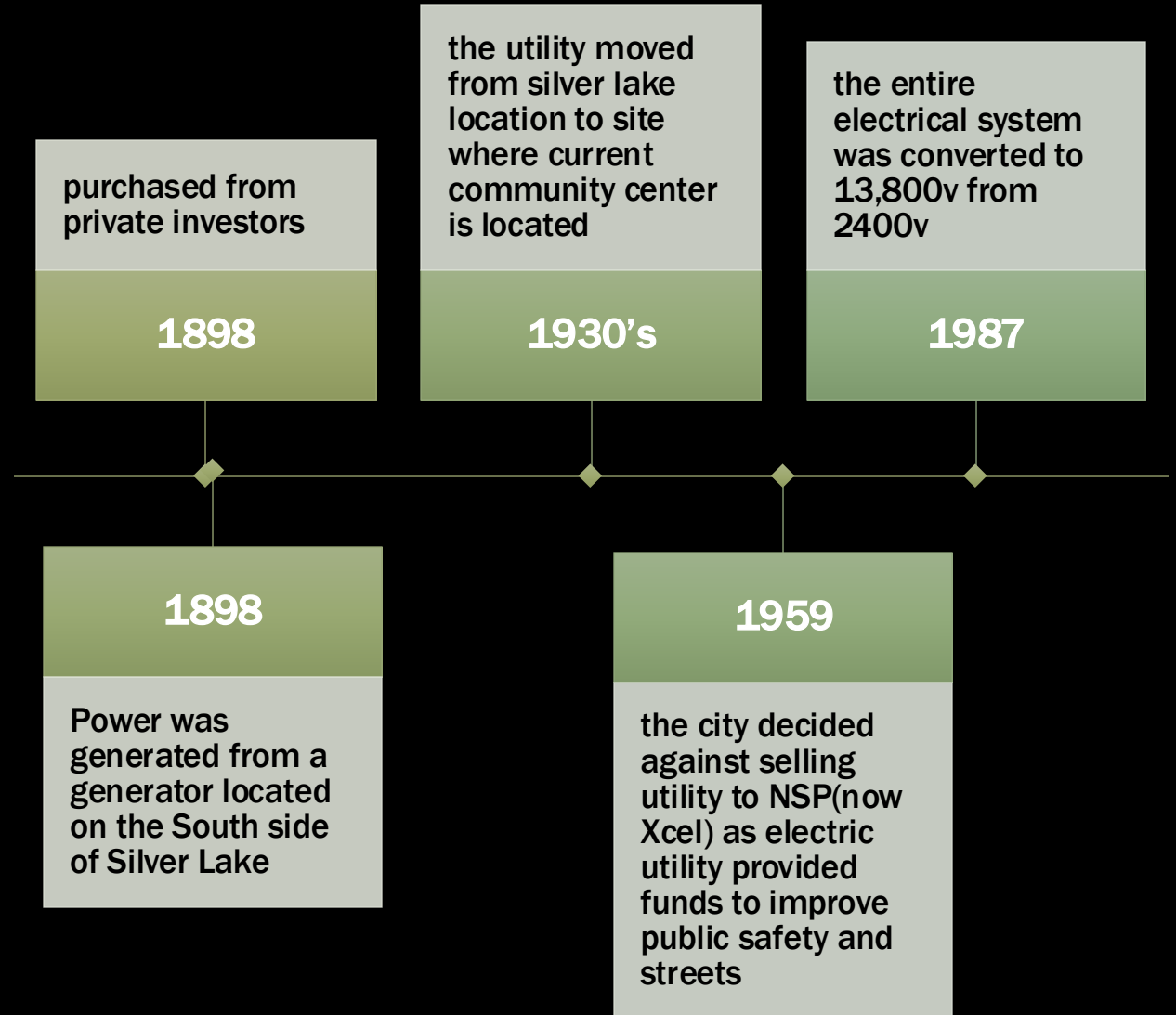




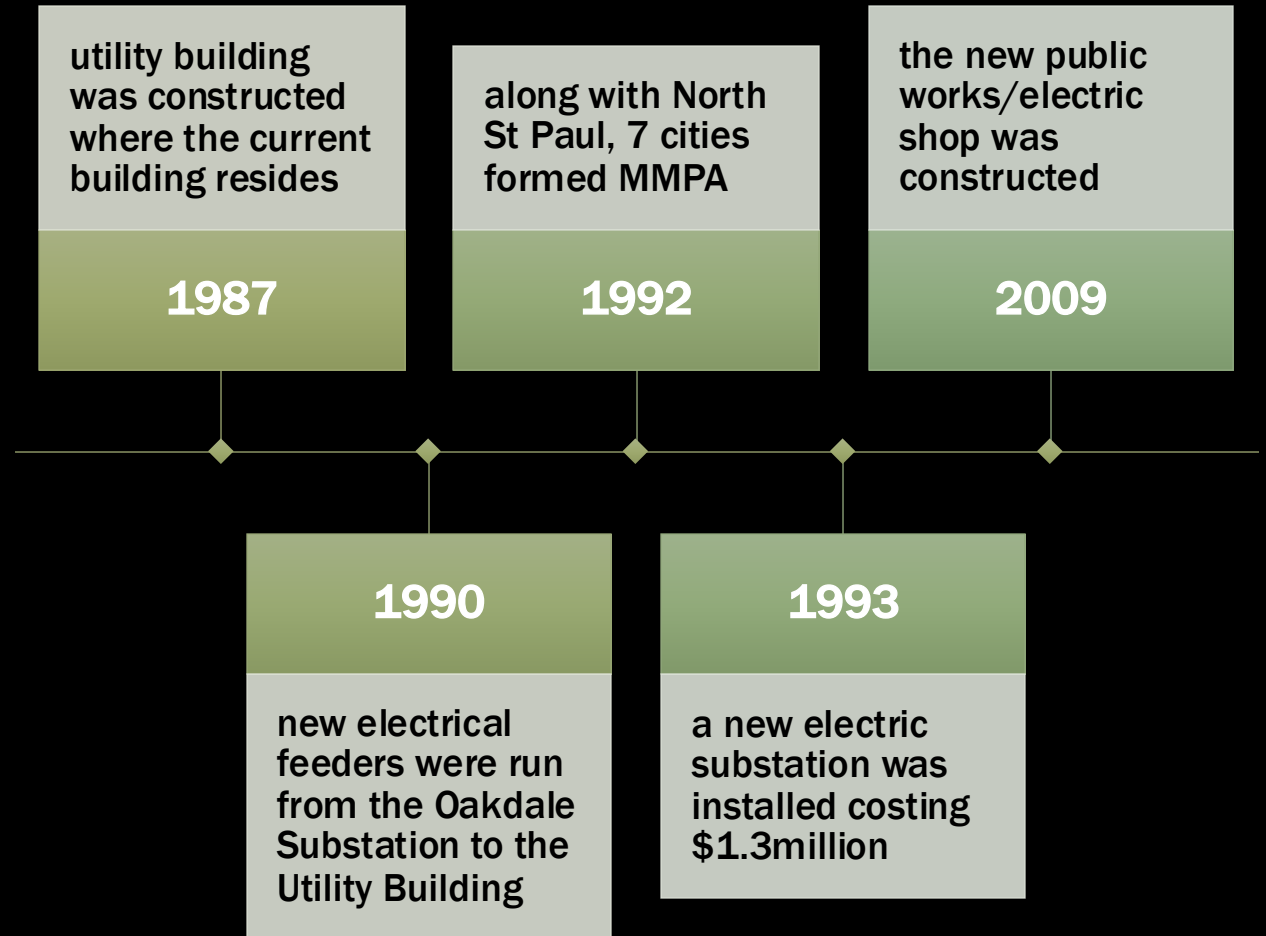
GENERAL INFORMATION

- **History**
- **About North St Paul**
- **Territory Map**
- **Who owns What**
- **Common Equipment you see each day**

HISTORY



CONT.



ABOUT NORTH ST PAUL ELECTRIC

Roughly 74 miles of high voltage power lines

Roughly 71,000 MWH annually

Revenue is nearly \$12million

Total customers is 6,687

- 492 commercial
- 6195 residential

CONT.

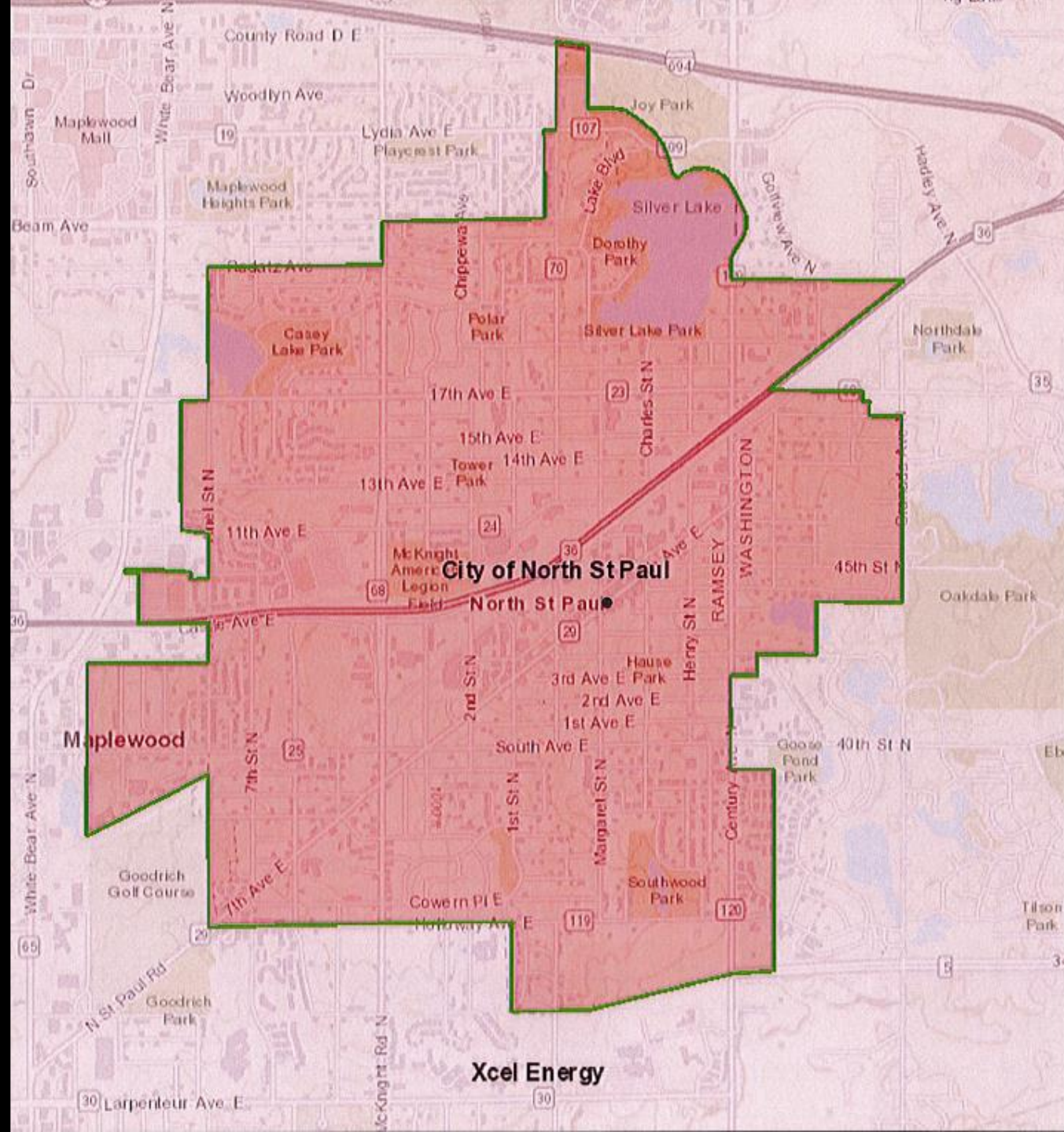
1 Substation

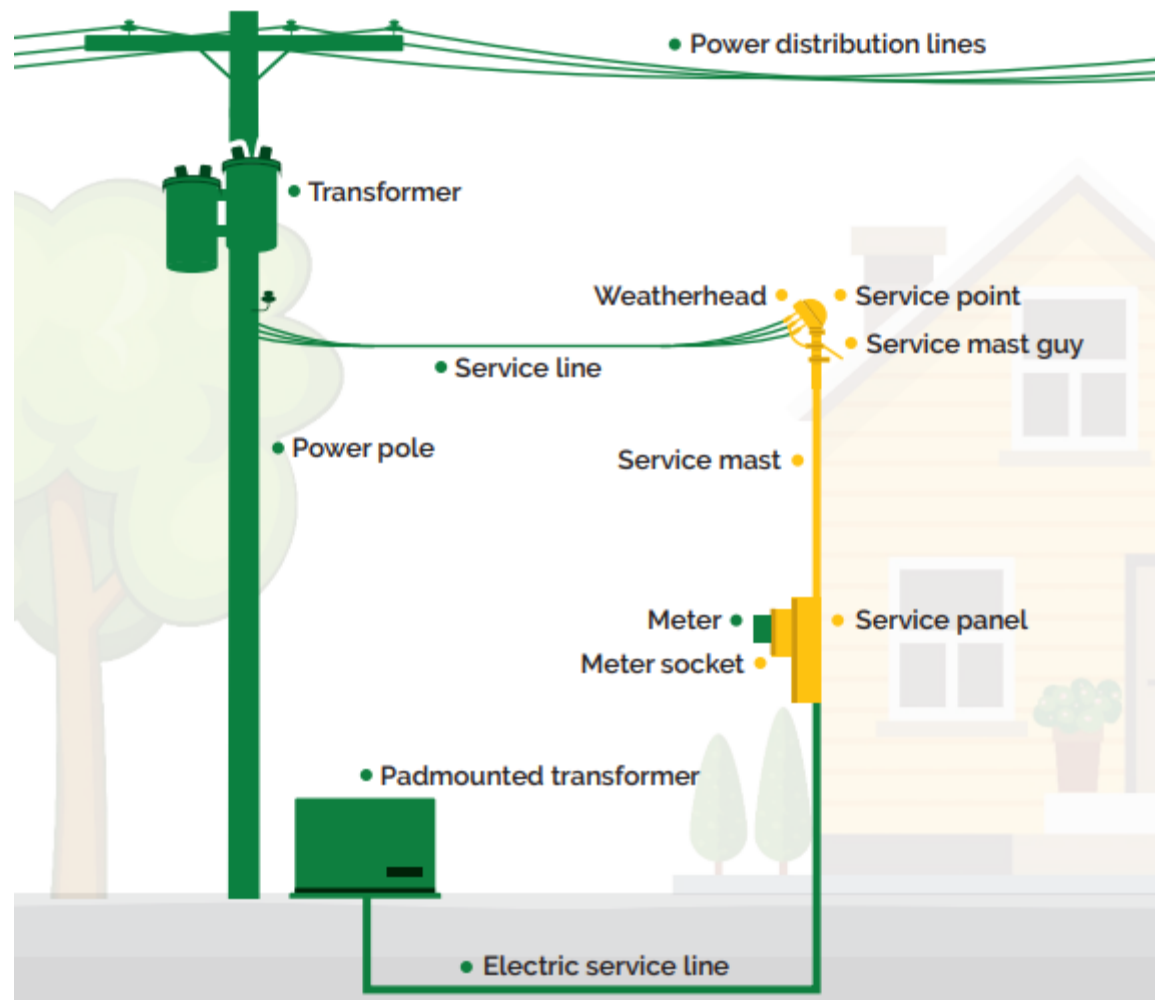
Vaulted duct line that runs from
Substation to the Public Works

4 main circuit feeders

Smart electric meters Landis Gyr

Total LED on all Street and Park
Lighting







Pad Mount Transformers



Switching Equipment



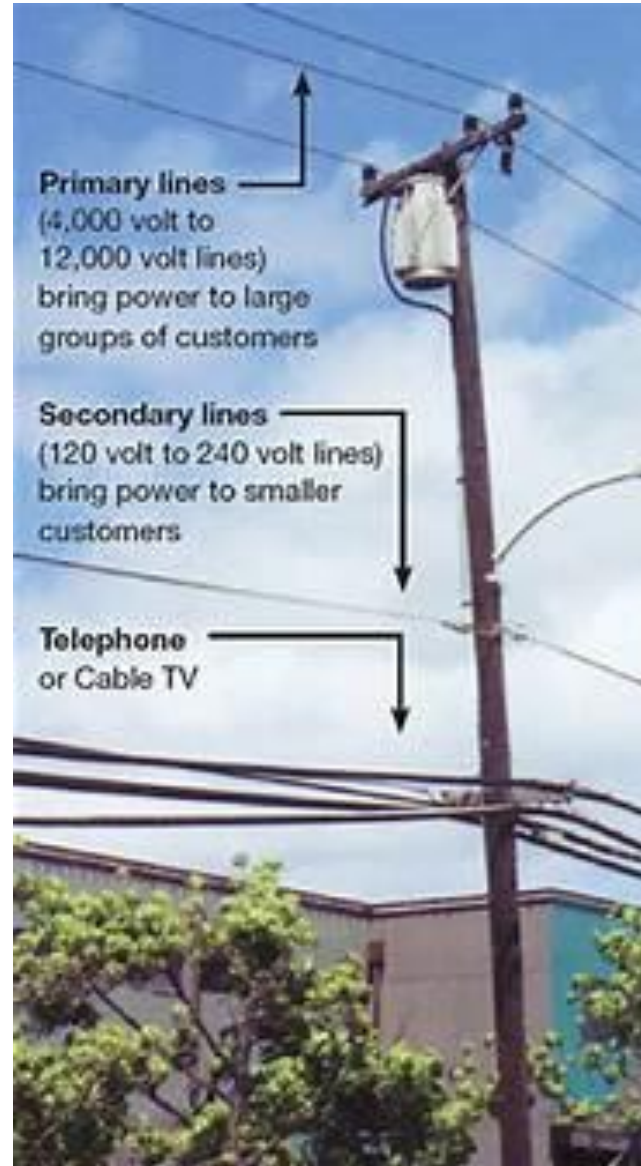
Pole Transformers



Capacitor Bank



Insulators



Fused Cutout, Lightning Arrestor



ELECTRIC DELIVERY/DISTRIBUTION

- **MMPA**
- **Renewable Energy**
- **CIP**
- **Energy Savings**

MMPA

Minnesota Municipal Power Agency

Including North St Paul currently 11 Cities

- Anoka, Arlington, Brownton, Buffalo, Chaska, East Grand Forks, Le Seuer, Olivia, Shakopee, and Winthrop

Provide Electricity to Municipals, then sold to residents and businesses

[MMPA - Minnesota Municipal Power Agency - Competitively-Priced Power](#)

MMPA CONT.

- **Many Sources of power**
 - **Solar**
 - **Wind**
 - **Natural Gas and Fuel Oil**
 - **Hydropower (select Communities)**
 - **Biomass**

RENEWABLE ENERGY



Minnesota Renewable Energy
Standard: 100% carbon free by
2040



80% of retail sales for public utility
customers in Minnesota in 2030
and increasing every 5 years to
reach 100% for all electric utilities
by 2040

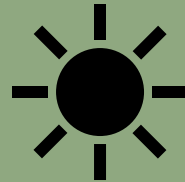


new energy generating facilities in
communities where fossil-fuel-
generating plants have been retired

CONT.



[Sustainable Energy
Overview - Minnesota
Municipal Power Agency](#)



**Residential Solar
eligible for rebate
based on size
and cost of install**

Currently 19
Customers on
our system
with solar

High up front
cost, with long
period to
recoup

CONSERVATION IMPROVEMENT PROGRAM

Pursuant to Minnesota Statutes 216B.241, Subd. 1c(f)

1.5% annual kwh saving

Low Income Spending

Managed through MMPA

Rebate programs

- Residential and commercial

Energy Saving Kits, Holiday Lighting, Air Purifiers

ENERGY SAVING TIPS

[Electric Saving Tips |
North St. Paul, MN](#)

Utilize many elements
of our eco kit bags

- LED bulbs
- Faucet aerators
- Smart power strips

CHALLENGES



SUPPLY CHAIN



**MATERIALS
COSTS**



**GRID
SUSTAINABILITY**

SUPPLY CHAIN

1–2-year lead time on crucial equipment

Branching out to distributors that we have less history with due to lead times

Lack of Bids/Quotes due to inability to supply inventory needs and/or compete with today's pricing

- New norm

MATERIALS COSTS

Prices have stabilized, but
how will tariffs impact

Crucial equipment is still
double to triple the cost

New Norm

GRID SUSTAINABILITY

Current infrastructure has capacity for increased demand

Power transformer at the Substation is in later years of its life cycle

- Substation and Power transformer on a 3yr inspection rotation
- Oil is tested annually

Main circuit feeder duct line is nearing 35 years old

GOALS

- Short Term
- Long Term

SHORT TERM

Increase utilization of new technologies

- Digital mapping
- Drones
- Time of Use Metering

Keep exposing apprentices to new challenges

- Storm Work
- Increased retention of quality employees

North St. Paul Electric Workers
Just Returned from Aiding Florida



LONG TERM

Work towards entire system underground

Every high voltage line having a loop feed

MMPA, working towards 100% renewables

Offering as many incentives and rebates as possible

QUESTIONS?

If questions arise, please do not hesitate to call or email myself or Easton Dale

If you would like to come check out our shop, and/or look at some of the equipment we utilize daily, please feel free to reach out and schedule a date for a tour.

John Wick: john.wick@northstpaul.org 651-747-2472

Easton Dale: Easton.dale@northstpaul.org 651-747-2471



To	Date
Honorable Mayor Monge and City Council	February 4, 2025
Agenda Placement # IV.B	
Topic(s)	
Subject	
Public Works Department Update	
Background/Facts	
PowerPoint presentation	
Recommended Action	
Attachments	
None	
Respectfully submitted,	