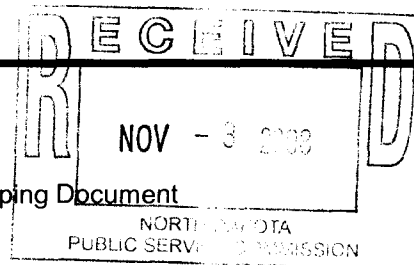


Nitschke, Darrell D.

From: Nisbet, Mark R [mark.nisbet@xcelenergy.com]
Sent: Monday, November 03, 2008 3:43 PM
To: Nitschke, Darrell D.
Subject: Xcel Energy Century Pipe Replacement Project Scoping Document
Attachments: Century Pipe Scope ND 2009 10-23-2008 cl.pdf



Darrell,
Attached is a document that provides further information about our Century Pipe replacement plan. Please share this with other interested staff members.

Mark Nisbet

North Dakota Principal Manager

Xcel Energy

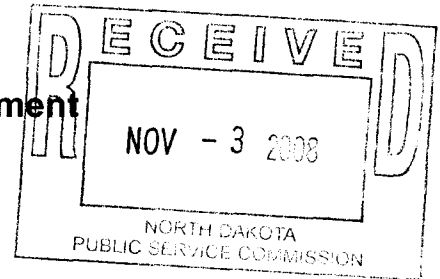
(701) 241-8607

*C: Commissioners
Ilona
Pat Fahn
Al Mock
Kevin Hanson
Tom Rafferty*



2302 Great Northern Drive
P O Box 2747
Fargo, ND 58108-2747

**Xcel Energy Century Pipe Replacement
Project Scoping Document
October 23, 2008**



Project Description

The project objective is to identify and replace all Century pipe materials used for mains and services in the State of North Dakota. It will be implemented on a step basis first by assembling information on known pieces of Century pipe, continuing with a process to identify unknown pieces, followed by a physical identification and replacement plan.

- a. Identify known Century plastic main and unknown plastic main segments from as-builts, records, maps, employee knowledge, etc
 - Areas that were piped outside of known Century Pipe installation dates will be excluded from this process. Communities involved in the project include Fargo, West Fargo, Mapleton and Grand Forks.
- b. Establish a detailed procedure for identifying Century main within the population of unknown plastic main.
 - Main that cannot be identified through as-built research will be physically exposed and visually inspected for manufacturer identification.
 - Main that cannot be identified by visual inspection will be tested to identify resin type.
- c. Establish a detailed procedure for identifying Century services.
 - Services tied to Century main replacement projects will be evaluated and replaced if found to be Century at the time main projects are completed.
 - Services not tied to Century main will need to be evaluated to determine if they could be Century. Truncation of suspect services using various data sets will be completed to expedite research activities.
 - Services that cannot be cleared as suspect Century will be physically inspected for identification purposes and replaced if material type cannot be verified as non-Century.
- d. Identification efforts will begin in the fourth quarter of 2008 with replacement projects beginning in early 2009. The project will be set up as a two-year project, with the intention of completing work in 2009.

Project Scope

This project will affect the following Xcel Energy areas:

- NSP service area – State of North Dakota
- NSP Gas personnel in North Dakota including engineering, mapping, design and construction
- Gas Asset Management
- Risk Management
- Work Planning and Scheduling
- C&CR
- Regulatory
- Energy Supply Test Lab

This project will affect the following customers:

- Government agencies – permitting, engineering and construction
- End use customers where construction is needed
- North Dakota rate payers

The following technology systems are used:

- AutoCAD mapping files
- PassPort
- MMDS Data Systems
- Cathodic Protection Data Sets

Project Estimate

The total project is estimated to include 15.5 miles of main and 1,370 service replacements. Estimated cost is \$3.61 million.