

EL00-004



Northern States Power Company - South Dakota

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February 14, 2000

Mr. William Bullard, Executive Director
South Dakota Public Utilities Commission
State Capitol Building
500 East Capitol Avenue
Pierre, South Dakota 57501-5070

RECEIVED

FEB 15 2000

SOUTH DAKOTA PUBLIC UTILITIES COMMISSION

Re: Docket Number EL99-001 In the matter of the application of Northern States Power Company for an energy facility permit for the Angus C. Anson power plant site near Sioux Falls, South Dakota.

Dear Mr. Bullard:

Pursuant to SDCL 49-41B-27 Construction, expansion and improvement of facilities, NSP seeks an amendment to the order granting permit in Docket Number EL99-001 signed on May 20, 1993 in order to provide for the implementation of an improvement to the Angus C Anson combustion turbines.

The Angus Anson generating plant is a peaking facility that includes two simple cycle combustion turbines that are dispatched to produce electricity during periods of high-energy demand. These periods usually occur during very hot or very cold weather. The two units are capable of firing natural gas or #2 fuel oil.

The units are 129 MW Westinghouse turbines with a designed operating efficiency of 33%. The proposed project plans to add an inlet temperature cooling system to each turbine to improve the generating output during hot summer days.

The power output of a combustion turbine increases inversely with a decrease in the temperature of the inlet air. An air inlet cooling system injects a water mist in the intake air stream duct. The increase in power output is the result of an increase in air density as air cools, which in turn allows for an increase in the mass flow of air and combustion gases through the turbine. The injected water itself (in vapor form) also contributes to the increase in mass flow of gases through the turbine.

An air inlet cooling system will operate in conjunction with the existing NOx control system (water injection at the burners) and maintain compliance with the existing permit conditions. There is an expectation that NOx emissions will be further suppressed by the use of an air inlet cooling system based on predictions from the air inlet cooling system manufacturer. If NOx suppression is realized by the use of an air inlet cooling system, the current water to fuel ratio for water injection at the burners will be adjusted as necessary to establish a ratio

during inlet cooling operation that keeps the units in compliance with permitted emission limits.

The air inlet cooling system consists of distribution piping, spray nozzles and controls that will discharge a de-ionized water spray into the incoming combustion-air stream at the inlet to the turbine compressor section. The air inlet cooling system does not alter any of the existing combustion turbine equipment other than to allow for the injection of inlet cooling water. Construction of the air inlet cooling equipment will not require any new land area as the existing combustion turbine will be retrofitted with the air inlet cooling equipment installed in and around the existing combustion turbine equipment.

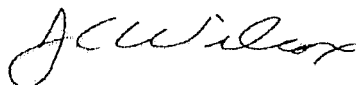
NSP has filed with the South Dakota Department of Environment and Natural Resources for an update to the air quality permit in order to provide for this project. NSP presently holds water permits for two wells on the Angus C. Anson site. Those wells are permitted for about 1,300 Gallons per Minute usage. The Pathfinder power plant and the Angus C. Anson combustion turbines at maximum output require about 300 Gallons per Minute of well water usage. The air inlet cooling system will use about 150 Gallons per Minute during times of maximum electrical generation. There is permitted well water capacity available to provide for this air inlet cooling project.

Based upon this information, NSP certifies that the Angus C. Anson combustion turbine facility will continue to meet the conditions upon which the energy facilities permit was issued.

NSP seeks confirmation from the South Dakota Public Utilities Commission that this proposed improvement to the Angus C. Anson Combustion Turbine facility does continue to meet the conditions upon which the permit was issued.

If anyone has any questions, please call me at 339-8350

Sincerely,



Jim Wilcox

c. Kent Larson

If you need a complete copy of a filing faxed, overnight expressed, or mailed to you, please contact
Delaine Kolbo within five business days of this filing.
Phone: 605-773-3705 Fax: 605-773-3809

CONSUMER COMPLAINTS

CT00-036 In the Matter of the Complaint filed by Fred Prah on behalf of Windows, Inc., DeSmet, South Dakota, against Inacom Communications, Inc. and U S WEST Communications, Inc. Regarding Unauthorized Switching of Services.

On February 10, 2000, the Commission received a complaint regarding unauthorized switching of service against Inacom Corp. and U S WEST. Windows, Inc. discovered that their phone service had been switched from 6 phone lines with hunting capabilities to the U S WEST Centrex 21 system on December 2, 1999. The complainant alleges Inacom obtained their signature to "verify that US West was the phone carrier for Windows, Inc." not to authorize a change in their telephone service. The complainant is requesting "to see this practice ended by taking away the licenses of the companies misrepresenting themselves in this manner and to prosecute persons representing these companies."

Staff Analyst: Heather Forney

Staff Attorney: Karen Cremer

Date Docketed: 02/10/00

Intervention Date: NA

CT00-037 In the Matter of the Complaint filed by Cheryl Plucker, Chancellor, South Dakota, against MCI WorldCom Regarding Unauthorized Switching of Services.

On February 11, 2000, the Commission received a complaint from Cheryl Plucker, Chancellor, South Dakota, against MCI regarding unauthorized switching of services. The complainant alleges that her long distance provider was switched to MCI without her authorization.

Staff Analyst: Keith Senger

Staff Attorney: Karen Cremer

Date Docketed: 02/14/2000

Intervention Date: N/A

EL00-003 In the Matter of the Filing by Montana-Dakota Utilities Co. for Approval of Waiver of Fuel Clause Rate 58 to Include Arbitration Costs.

Montana-Dakota Utilities Co., a Division of MDU Resources Group, Inc., petitions the South Dakota Public Utilities Commission for a waiver of Fuel Clause Rate 58. The waiver is

requested to allow the pass-through, in the fuel cost adjustment, of arbitration costs that have resulted in savings to retail customers.

Staff Analyst: Michele Farris
Staff Attorney: Camron Hoseck
Date Docketed: 02/10/00
Intervention Date: 03/03/00

EL00-004 In the Matter of the Filing by Northern States Power Company for Confirmation of Angus C. Anson Combustion Turbine Facility.

Northern States Power Company seeks confirmation from the South Dakota Public Utilities Commission that proposed improvements to the Angus C. Anson Combustion Turbine facility continues to meet the conditions upon which the permit, as ordered in Docket Number EL91-001 signed on May 18, 1993, was issued.

Staff Analyst: Michele Farris
Staff Attorney: Camron Hoseck
Date Docketed: 02/15/00
Intervention Date: 03/03/00

GE00-001 In the Matter of the Filing by NorthWestern Public Service Company for Approval of Revised Bill Format.

Application by NorthWestern Public Service to revise customer bill text and associated sample form tariffs, to add notice on bills of the change and request for waiver of 30 day notice of change to the public.

Staff Analyst: Dave Jacobson
Staff Attorney: Karen Cremer
Date Docketed: 02/10/00
Intervention Deadline: NA

NG00-001 In the Matter of the Application of South Dakota Intrastate Pipeline Company to Recover Additional Costs.

On February 15, 2000, the Public Utilities Commission received a petition from South Dakota Intrastate Pipeline Company (SDIPC) seeking an amendment to its rate schedule to provide for an increase in its transportation charged to its only customer, Montana-Dakota Utilities Company. SDIPC proposes to make the change in its rate effective as of April 1, 2000.

Staff Analyst: Heather Forney
Staff Attorney: Karen Cremer
Date Docketed: 02/15/00
Intervention Date: 03/03/00

TC00-012 In the Matter of the Filing by U S WEST Communications, Inc. for Approval of Revisions to its Exchange and Network Services Tariff.

On February 10, 2000, U S WEST Communications, Inc. (U S WEST) filed an application for approval of revisions to its exchange and network services tariff. The purpose of the filing is to clarify the meaning of a fully assisted operator call and a partially assisted operator call. Rates will not be increased by this filing.

Staff Analyst: Heather Forney
Staff Attorney: Camron Hoseck
Date Docketed: 02/10/00
Intervention Date: 03/03/00

TC00-013 In the Matter of the Application of Adelpia Business Solutions Operations, Inc. for a Certificate of Authority to Provide Local Exchange Services in South Dakota.

Adelpia Business Solutions Operations, Inc. is seeking a Certificate of Authority to provide resold and facilities-based local exchange telecommunication services in South Dakota. Adelpia does not intend to provide service in the territories of rural telecommunication companies.

Staff Analyst: Keith Senger
Staff Attorney: Camron Hoseck
Date Docketed: 02/10/00
Intervention Date: 03/3/00

TC00-014 In the Matter of the Application of Comm South Companies, Inc. for a Certificate of Authority to Provide Local Exchange Services in South Dakota.

Comm South Companies, Inc. seeks to provide resold basic local exchange telecommunication services in areas of South Dakota currently served by U S WEST Communications and any other relevant incumbent facilities-based LEC or other authorized local exchange carrier, excluding service areas of rural telephone companies. A majority of the applicant's customers are residential consumers who are unable to obtain local telecommunication services from other local exchange carriers due to credit problems or prior disconnection. Services will include local calling, access to 911 emergency and 800 number services to residential customers on a prepaid basis. Applicant does not permit its customers of its local service to access usage-based services, such as direct-dial long distance calls, collect calls, operator-assisted calls and third-number billed calls.

Staff Analyst: Keith Senger
Staff Attorney: Camron Hoseck
Date Docketed: 02/10/00
Intervention Date: 03/03/00

TC00-015 In the Matter of the Application of Shared Communications Services, Inc. for a Certificate of Authority to Provide Telecommunications Services in South Dakota.

Shared Communications Services, Inc. (Shared) seeks a Certificate of Authority to provide resold interexchange telecommunications services. Shared intends to offer interLATA and intraLATA switched message toll service, 800, calling card, directory assistance and operator services throughout South Dakota.

Staff Analyst: Heather Forney
Staff Attorney: Camron Hoseck
Date Docketed: 02/14/00
Intervention Date: 03/03/00

TC00-016 In the Matter of the Application of TeleDistance, Inc. for a Certificate of Authority to Provide Telecommunications Services in South Dakota.

Qwest Communications Corporation, LCI International Telecom Corp., Phoenix Network, Inc. and TeleDistance, Inc., all wholly-owned, indirect subsidiaries of Qwest Communications International Inc. (the "Parties") filed a request for a Certificate of Authority for TeleDistance Inc. to provide resold and facilities-based interexchange telecommunications services throughout South Dakota. TeleDistance, Inc. intends to offer retail and wholesale switched interLATA (and in certain instances intraLATA) long distance services (including direct dialed 1+ service and toll free service), retail and wholesale private line services, frame relay/ATM/IP transmission services, prepaid calling card services and operator services. The Parties also request that the Commission grant a waiver of Administrative Rules of South Dakota Chapter 20:10:34:02.01, governing unauthorized changes in carriers.

Staff Analyst: Michele Farris
Staff Attorney: Camron Hoseck
Date Docketed: 02/14/00
Intervention Date: 03/03/00

TC00-017 In the Matter of the Application of Pathnet, Inc. for a Certificate of Authority to Provide Local Exchange Services in South Dakota.

Pathnet, Inc. is seeking a Certificate of Authority to provide resold and facilities-based local exchange telecommunication services in South Dakota. Pathnet intends to provide point to point private line and data services. They do not plan to provide basic local dial tone services to end-users.

Staff Analyst: Keith Senger
Staff Attorney: Camron Hoseck
Date Docketed: 02/15/00
Intervention Date: 03/3/00

TC00-018 In the Matter of the Application of Pathnet, Inc. for a Certificate of Authority to Provide Telecommunications Services in South Dakota.

Pathnet, Inc. is seeking a Certificate of Authority to provide resold and facilities-based interexchange telecommunication services in South Dakota. Pathnet intends to provide point to point private line and data services.

Staff Analyst: Keith Senger

Staff Attorney: Camron Hoseck

Date Docketed: 02/16/00

Intervention Date: 03/03/00

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Wiest, Rolayne

From: Schoenfelder, Laska
Sent: Thursday, March 09, 2000 1:55 PM
To: Greg Rislov; Rolayne Wiest; Sue Cichos
Subject: FW: Follow-up to Angus Anson "Air Inlet Cooling" from last week's Commission Meeting

-----Original Message-----

From: Wilcox, James C [mailto:james.c.wilcox@nspco.com]
Sent: Monday, March 06, 2000 3:48 PM
To: 'Schoenfelder, Laska - SD PUC Commissioner'
Cc: 'Burg, Jim - SD PUC Commission Chairman'; 'Nelson, Pam - SD PUC Commissioner'; 'Bullard, Bill - SD PUC Executive Director'; 'Hoseck, Camron - SD PUC Staff Attorney'; 'Farris, Michele - SD PUC Utilities Staff Analyst'
Subject: Follow-up to Angus Anson "Air Inlet Cooling" from last week's Commission Meeting

Commissioner Schoenfelder,

As a follow-up to the NSP "inlet cooling" project at the Angus Anson Plant agenda item at the Commission meeting last week I have investigated the questions you posed. Following is a reiteration of what I believe the questions were and a reply:

1) What environmental impact will this modification have?

Will there be any additional noise?

NSP believes that there should be no noticeable change in noise level.

Will there be any additional or less air emissions?

The additional water vapor is expected to dilute NOx emissions although there will not be any reduction in the level of NOx as a result of this project.

Will there be any additional water vapor emitted into the air?

There will be additional water vapor emitted. The water vapor presently emitted is more noticeable during winter months than in the summer. This new technology is expected to be utilized only in the summer months, so NSP believes that there should be no noticeable change from the present operation.

2) When was this technology available?

This technology has been now available for about five years. The price volatility in the wholesale power market has led NSP to investigate many different technologies and methods for minimizing our customer's exposure to this price volatility. NSP is working to implement this inlet cooling technology at our other combustion turbine facilities in Minnesota and Wisconsin.

Please feel free to call me with any additional questions at 339-8350.

Sincerely,

Jim Wilcox

**BEFORE THE PUBLIC UTILITIES COMMISSION
OF THE STATE OF SOUTH DAKOTA**

IN THE MATTER OF THE FILING BY)	ORDER ACCEPTING
NORTHERN STATES POWER COMPANY FOR)	CERTIFICATION AND
CONFIRMATION OF ANGUS C. ANSON)	AUTHORIZING
COMBUSTION TURBINE FACILITY)	CONSTRUCTION,
)	EXPANSION OR
)	IMPROVEMENT
)	EL00-004

On February 15, 2000, Northern States Power Company (NSP) filed a certification with the South Dakota Public Utilities Commission (Commission) that the construction of certain improvements to the Angus C. Anson combustion turbines facility would be in compliance with the terms and conditions of the permit for its construction which was issued in Docket EL91-001.

Pursuant to SDCL 49-41B-27, if a utility has obtained a permit to construct, expand or improve a facility and it has not commenced such work within four years of the issuance of the permit, it must certify to the Commission that such facility continues to meet the conditions upon which the permit was granted. The Commission considered this matter at its February 29, 2000 and March 14, 2000, meetings.

The Commission has jurisdiction in this matter pursuant to Chapter 49-41B, South Dakota Codified Laws and, in particular, SDCL 49-41B-27.

The Commission, having reviewed the certification of NSP and the information provided to it by NSP as a result of this filing, finds that the certification is acceptable and NSP shall be authorized to improve the Angus C. Anson combustion turbine facility pursuant to the terms and conditions of the permit issued to it in Docket EL91-001 and the certification made by NSP in this docket; accordingly, it is

ORDERED, that the certification of NSP shall be accepted and that it shall be authorized to improve the Angus C. Anson combustion turbine facility pursuant to the terms and conditions of the permit issued to it in Docket EL91-001 and the certification made to the Commission in this docket.

Dated at Pierre, South Dakota, this 20th day of March, 2000.

<p>CERTIFICATE OF SERVICE</p> <p>The undersigned hereby certifies that this document has been served today upon all parties of record in this docket, as listed on the docket service list, by facsimile or by first class mail, in properly addressed envelopes, with charges prepaid thereon.</p> <p>By: <u><i>Melanie Kalbo</i></u></p> <p>Date: <u>3/21/00</u></p> <p align="center">(OFFICIAL SEAL)</p>

BY ORDER OF THE COMMISSION

James A. Burg
 JAMES A. BURG, Chairman

Pam Nelson
 PAM NELSON, Commissioner

Laska Schoenfelder
 LASKA SCHOENFELDER, Commissioner