

MINUTES

North Dakota State Water Commission
Bismarck, North Dakota

September 8, 1987

The North Dakota State Water Commission held a meeting on September 8, 1987, at the State Office Building, Bismarck, North Dakota. Governor-Chairman, George A. Sinner, called the meeting to order at 10:40 a.m. and requested State Engineer and Secretary, Vernon Fahy, to call the roll and present the agenda.

MEMBERS PRESENT:

Governor George A. Sinner, Chairman
Richard Backes, Member from Glenburn
Joyce Byerly, Member from Watford City
Jacob Gust, Member from West Fargo
William Guy, Member from Bismarck
William Lardy, Member from Dickinson
Daniel Narlock, Member from Oslo, MN
Jerome Spaeth, Member from Bismarck
Vernon Fahy, State Engineer and Secretary, North Dakota
State Water Commission, Bismarck

MEMBERS ABSENT:

Kent Jones, Commissioner, Department of Agriculture, Bismarck

OTHERS PRESENT:

State Water Commission Staff Members
Approximately 20 persons interested in agenda items

The meeting was recorded to assist in compilation of the minutes.

CONSIDERATION OF MINUTES
OF JULY 22, 1987 MEETING -
APPROVED

The minutes of the July 22, 1987
meeting were approved by the following motion:

It was moved by Commissioner Guy, seconded by
Commissioner Byerly, and unanimously carried,
that the minutes of July 22, 1987 be approved
as circulated.

UPDATE ON SOUTHWEST
PIPELINE PROJECT
(SWC Project No. 1736)

Dale Frink, Manager of the South-
west Pipeline Project, commented on
the construction progress noting
that of the two contracts awarded

in 1986, Contract 2-2A is essentially complete with the final inspection on August 31, 1987. Contract 2-2B is anticipated for its final inspection in early September.

Mr. Frink stated construction on Contract 2-2C was started in May, 1987 and approximately 9 miles of the 10.3 miles of pipe have been laid and should be completed in September. Contract 2-2D, involving 6.3 miles, will be started after the pipe on 2-2C has been completed. Contract 2-2E, 5.8 miles, is approximately 50 percent complete and is anticipated to be completed in October, 1987.

Funding for 1987 was discussed and Mr. Frink stated to date \$6.3 million of federal funds have been received and does not anticipate receiving additional funds during FY 1987. Of the \$20 million 1985-1987 State appropriation for the project, Mr. Frink stated \$15.3 million has been received and this is approximately \$1 million more than was anticipated. Approximately \$7.7 million of this money was approved for carryover into the 1987-1989 biennium and will be used to complete the three existing contracts and part of one new contract.

Mr. Frink discussed funding for 1988 and stated the North Dakota Legislature appropriated \$1.86 million from the Land and Minerals Trust Fund and \$680,000 from the Resources Trust Fund to the Southwest Pipeline Project for the 1987-1989 biennium. These funds will be combined with any federal funds that are received.

Mr. Frink stated the amount of federal money for 1988 is still unknown. Current legislation approval by the U.S. House includes \$35 million with report language specifying \$10 million for the Southwest Pipeline Project. The Senate has yet to act on the bill. Mr. Frink said it is anticipated that Congress will pass a continuing resolution near the end of September and the language in the continuing resolution will determine when 1988 federal funds will become available.

Mr. Frink explained that if the \$10 million federal money is received in 1988, the engineering consulting firm for the Southwest Pipeline Project has recommended that pipeline contracts 2-2F, 2-3A and 2-3B be bid this fall or winter. This would complete the pipeline portion to Dickinson except for the first seven miles, Contract 2-1, pump stations, reservoirs and the water treatment plant.

A draft construction schedule for the Southwest Pipeline Project was discussed, and Mr. Frink stated the schedule is based on receiving \$10-\$11 million of federal Garrison MR&I money for the next seven to eight years, and that it will be necessary to adjust this schedule each year based on the actual amount of funds received. Mr. Frink said it is necessary to have such a schedule to ensure efficiency during construction and to allow adequate time for the construction of each of the facilities. The draft construction schedule is attached hereto as APPENDIX "A".

Mr. Frink stated construction on the water treatment plant is scheduled to begin in 1990 and completed in 1993, but indicated a change in the treatment plant location would affect

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this schedule. The decision on the treatment plant location must be made before the last few miles of pipe are laid to Dickinson and, therefore, Mr. Frink said the State Water Commission should make its decision on the water treatment plant location in 1988.

Commissioner Lardy expressed the importance of keeping the public informed and receiving their input relative to the water treatment plant prior to the Commission making its decision on the location of the plant.

Mr. Frink stated studies to resolve archeological concerns of the project are continuing, and made reference to the possibility of landowner condemnation.

The Commission members requested staff to prepare a map showing the locations of the contracts and to provide them with the information prepared by Bartlett and West Engineers showing the detailed cost breakdown for the Southwest Pipeline Project.

CONTINUED DISCUSSION ON
SHEYENNE RIVER FLOOD
CONTROL PROJECT
(SWC Project No. 1344)

Governor Sinner introduced Fred Selberg, Chairman of the Southeast Cass Water Resource Board; Dick Twichell, Attorney; Jeff Volk, Moore Engineering; and Barbara Pyle, citizen.

On September 4, 1987, Governor Sinner and members of the State Water Commission staff met with approximately 100 representatives of various Southeast Cass County legal subdivisions to discuss a review of the three-phased proposed Sheyenne River Flood Control project development schedule, the probable local expenditure schedule, and the public involvement program.

Dick Twichell, Attorney, explained each phase of the project. The first phase, known as the West Fargo to Riverside Diversion, will bypass floodwaters around the west side of West Fargo at an estimated total cost of \$21.4 million. This phase has had public hearings on the financing of the project. Approximately 40 percent of the total cost, \$8.5 million, will be a non-federal cost. Mr. Twichell indicated the project has a 10:1 benefit to cost ratio and construction is scheduled to begin in 1989.

The second phase of the project, referred to as the Horace to West Fargo Diversion, is not ready for public hearings. Mr. Twichell indicated this phase will join into the first phase but will divert only a part of the floodwaters from the river channel. It is estimated to cost \$7.1 million of which 35 percent, or \$2.5 million, is the non-federal cost.

The third phase of the project is the construction of a dam on the Maple River northeast of Enderlin, ND. The structure will protect about 700 families and is scheduled for construction in the early to mid-1990's. Mr. Twichell stated the benefit to cost ratios have not been determined on this part of the project.

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Governor Sinner commented that the most remarkable aspect of this meeting was the total commitment of the various groups to the ultimate completion of the entire three-phased project. He noted there appeared to be a general acceptance of the need and willingness to meet the obligations imposed by the new cost share requirements of the Corps of Engineers including the five percent cash payment. Governor Sinner indicated he intends to do whatever he can to provide the funds expected from the State level for this project.

Commissioner Narlock expressed concern relative to the possible downstream impacts that could occur as a result of the diversion phases of the project.

Fred Selberg, Chairman of the Southeast Cass Water Resource Board, expressed his appreciation to the Governor and the State Water Commission for its cooperation and stated he was also very pleased with the local cooperation.

CONTINUED DISCUSSION ON
DEVILS LAKE OUTLET PROJECT
(SWC Project No. 1712)

Governor Sinner expressed his concern relative to the extreme complexity of the Devils Lake situation, which he said was obvious to him during a recent meeting in Devils Lake. He said that because of the importance of Devils Lake to the State of North Dakota he has decided to form a committee, chaired by Commissioner Richard Backes. The purpose of the committee is to evaluate the situation and determine the best course of action. The Governor indicated this course of action should provide for flood control and have the least impact on the resources of the area and the State. This effort is important not only to the people of the Devils Lake area but also to everyone in the State.

Governor Sinner indicated the principal thrust of the current Corps of Engineers study for Devils Lake is directed toward flood damage reduction for which several alternatives are being considered. The final plan selection will be made by state and local entities who will be guided more by water quality consideration than by any other single factor. Devils Lake can continue to rise causing millions of dollars of damage to the area. Devils Lake provides the greatest natural lake fishery in the State and also provides other recreational and hunting opportunities.

Commissioner Backes reported the Committee held its organizational meeting on September 3, 1987. At this meeting the Corps of Engineers presented its alternatives and recommended plan for the Devils Lake Outlet Project, and the Committee discussed suggestions and plans from its members. Commissioner Backes indicated it is the intent of the Committee to present its recommended plan to the Governor no later than January, 1988.

Commissioner Narlock stated he attended the meeting in Devils Lake and concurs that Devils Lake needs an outlet. He said all parties concerned must work together to find the most

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feasible solution to these problems. He expressed his concern as to what assurances the people living downstream have that they will not be affected by this project.

NORTH DAKOTA RIVERS STUDY -
NORTH DAKOTA PARKS AND RECREATION

In June, 1987, the North Dakota Parks and Recreation Department, with the cooperation of the National Parks Service and other state and federal agencies, completed a draft report that studied 25 rivers in North Dakota to assess their natural, cultural and recreational values and to learn how North Dakota residents felt about their rivers.

Doug Eiken, Director of the North Dakota Parks and Recreation Department, indicated the primary reason this study was undertaken is the North Dakota Parks Service is obligated under the Federal Land and Water Conservation Fund Program to coordinate state planning for recreational and natural area uses. As a result of discussions with people from around the State, a real concern and interest in North Dakota rivers and the potential of the rivers was expressed. Therefore, it became apparent of the need to compile existing information relating to the recreational, natural, cultural and economic values of the rivers. Mr. Eiken explained the study process and indicated that because the values which rivers possess cross many disciplines and agency authorities it was necessary to involve many agencies in the process. Similar studies have been conducted in other states and Mr. Eiken said the format of North Dakota's study is similar to that used by the State of Maine.

1987-1989 BIENNIUM
RESOURCES TRUST FUND

David Sprynczynatyk, Director of the State Water Commission's Engineering Division, explained that during the budget process in 1986, the State Water Commission considered an allocation of \$9.5 million from the Resources Trust Fund for various projects in the 1987-1989 biennium. The \$9.5 million was based on an early projection for the Resources Trust Fund and also on a recommendation from the Water Coalition. At its October 17, 1986 meeting, the State Water Commission took the following action:

It was moved by Commissioner Gust and seconded by Commissioner Byerly that the State Water Commission recommend an allocation of \$9.5 million for the following requests from the Resources Trust Fund for the 1987-1989 biennium, contingent upon the availability of funds:

- | | |
|---|---------------|
| 1) State Water Commission Contract Fund | \$2.0 million |
| 2) Southwest Pipeline Project | \$1.0 million |
| 3) Garrison MR&I Program | \$2.5 million |
| 4) Souris River Flood Control Project | \$1.0 million |
| 5) Sheyenne River Flood Control Project | \$3.0 million |

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Mr. Sprynczynatyk indicated that since the Commission was unsure whether or not revenues to the Resources Trust Fund would reach \$9.5 million, the Commission also passed the following motion:

It was moved by Commissioner Backes and seconded by Commissioner Gust that the State Water Commission recommend in its request to the Legislature for funding from the Resources Trust Fund a \$1.0 million allocation for the Souris River Flood Control Project and that this \$1.0 million allocation for this project not be reduced in the event a prorata reduction is necessary.

During the Legislative Session, the projection for the revenues to the Resources Trust Fund was \$6,704,165. Applying the formula discussed by the Commission and that projection, Mr. Sprynczynatyk said the following was presented to the Legislature as the approximate breakdown of the Resources Trust Fund:

1) State Water Commission Contract Fund	\$1.38 million
2) Southwest Pipeline Project	\$0.68 million
3) Garrison MR&I Program	\$1.64 million
4) Souris River Flood Control Project	\$1.0 million
5) Sheyenne River Flood Control Project	\$2.0 million

Revenues from the Resources Trust Fund, up to \$9.5 million, were appropriated by the Legislature into the State Water Commission Contract Fund, and Mr. Sprynczynatyk stated the Commission will have to take action on allocating funds for the coming biennium.

It was the recommendation of the State Engineer that the formula discussed by the Commission during October, 1986, be adopted for distribution of funds from the Resources Trust Fund for the current biennium. In the event that \$9.5 million becomes available during the biennium, then the allocation would be the same as acted upon in 1986.

It was moved by Commissioner Lardy and seconded by Commissioner Byerly that the State Water Commission adopt the October, 1986 formula for allocating funds from the Resources Trust Fund for the 1987-1989 biennium.

Commissioners Backes, Byerly, Gust, Guy, Lardy, Narlock, Spaeth and Governor Sinner voted aye. There were no nay votes. The Chairman declared the motion unanimously carried.

GARRISON DIVERSION PROJECT -
GARRISON MR&I PROGRAM
(SWC Project No. 237-3)

Dave Sprynczynatyk reported that 27 requests have been received from communities and rural water districts for funding from the Garri-

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son Diversion MR&I Program. These requests have not been prioritized and Mr. Sprynczynatyk indicated staff would be working with the Conservancy District to try and prioritize the applications based on the discussions the State Water Commission and the Conservancy District have had in the past.

Mr. Sprynczynatyk stated that a request has been received on behalf of the Langdon Rural Water System to allow the project to be sponsored by a non-profit rural water cooperative, although currently the sponsor is the Cavalier County Commission. Mr. Sprynczynatyk explained the Memorandum of Understanding between the State Water Commission and the Garrison Diversion Conservancy District specifically states that only projects sponsored by a governmental agency or political subdivision are eligible for assistance under the MR&I program. This language was used because of the constitutional provision prohibiting granting state funds to persons other than governmental entities or political subdivisions.

For the Langdon Rural Water Project, Mr. Sprynczynatyk said it is not anticipated that state funds will be used for the project, which could be true for other projects as well. Since the cooperative would exist for only one purpose, it would likely be more energetic in developing the project than the County Commission. Mr. Sprynczynatyk said also in the past the Farmers Home Administration has only worked with rural water cooperatives and has been quite successful in developing rural water projects. He said it appears there are several reasons for allowing a cooperative to sponsor a rural water project.

Secretary Fahy stated he and the Manager of the Garrison Diversion Conservancy District have agreed to jointly recommend to the Garrison Diversion Conservancy District Board and to the State Water Commission that the Joint Powers Agreement be amended to permit a non-profit cooperative to be eligible for funds under the Garrison MR&I program, providing there will not be state funds granted to the project. It was the recommendation of the State Engineer that paragraph 3.1 of the Joint Powers Agreement be amended as follows (amended language is underlined):

3.1 Only projects sponsored by a governmental agency or political subdivision are eligible for consideration for assistance under the program and may make application if a grant or loan of State funds are involved.

It was moved by Commissioner Backes and seconded by Commissioner Lardy that the State Water Commission approve an amendment to paragraph 3.1 of the Joint Powers Agreement to read as follows:

3.1 Only projects sponsored by a governmental entity or political subdivision are eligible for consideration for assistance under the program and may make application if a grant or loan of State funds are involved.

Note: (See Minutes of December 9, 1987, Page 84, for adoption by consensus of clarification statement to above amendment to Joint Powers Agreement.) September 8, 1987

Commissioners Backes, Byerly, Gust, Guy, Lardy, Narlock, Spaeth and Governor Sinner voted aye. There were no nay votes. The Chairman declared the motion unanimously carried.

CONSIDERATION OF REQUEST FROM
RICHLAND COUNTY WATER RESOURCE
BOARD FOR COST SHARING IN
RICHLAND COUNTY DRAIN NO. 30
(SWC Project No. 1191)

A request received from the Richland County Water Resource Board was presented to the State Water Commission for its consideration of cost sharing for the channel cleanout and improvement for Richland

County Drain No. 30. The project is located 11 miles southeast of Hankinson, ND and is approximately 10,560 feet in length and involves rock riprap, excavation, culvert work and seeding. The total estimated cost is \$44,500, with eligible costs of \$37,400. The request before the State Water Commission is for cost sharing in 40 percent of the eligible costs in an amount not to exceed \$14,960.

David Sprynczynatyk indicated this project has received an approved drain permit No. 2557. The drain was originally built in 1947 using an SCS design and was known as the LaMars Devillo Summit Drain. The cost was \$42,800 and the State Water Commission approved cost sharing in the amount of \$17,120. Mr. Sprynczynatyk stated that currently the Water Resource District is working on Lateral No. 2 to Drain No. 30, with an estimated cost of \$120,000, and the State Water Commission cost sharing in \$33,225 for this phase of the project.

Elroy Stein, Chairman of the Richland County Water Resource Board, further explained the project and requested favorable consideration by the Commission on their request for funding for channel cleanout and improvement project.

It was the recommendation of the State Engineer that the State Water Commission cost participate in the channel cleanout and improvement of Richland County Drain No. 30 for 40 percent of the eligible costs not to exceed \$14,960, contingent upon the availability of funds.

It was moved by Commissioner Guy and seconded by Commissioner Spaeth that the State Water Commission approve cost participation for 40 percent of the eligible costs in an amount not to exceed \$14,960 for channel cleanout and improvement of the Richland County Drain No. 30. This motion shall be contingent upon the availability of funds.

Commissioners Backes, Byerly, Gust, Guy, Lardy, Narlock, Spaeth and Governor Sinner voted aye. There were no nay votes. The Chairman declared the motion unanimously carried.

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CONSIDERATION OF REQUEST
FROM NELSON COUNTY WATER
RESOURCE DISTRICT FOR COST
SHARING IN NELSON COUNTY
LEGAL DRAIN NO. 4 EXTENSION
(LAKOTA DRAIN)
(SWC Project No. 1557)

eligible costs \$32,327.50. The request before the Commission for consideration is for cost sharing in 40 percent of the eligible costs in an amount not to exceed \$12,930.

A request was received from the Nelson County Water Resource Board and presented to the State Water Commission for its consideration of cost sharing in the construction of the Nelson County Legal Drain No. 4 Extension. The estimated cost of the project is \$64,307.50, with

David Sprynczynatyk indicated the project involves the northern extension of Nelson County Legal Drain No. 4 (Lakota Drain) and the 5,900-foot extension runs along the east side of the city of Lakota and travels southerly until it enters the Lakota Drain. Mr. Sprynczynatyk stated the original drain was constructed in 1980 at a cost of \$67,785, with the State Water Commission funding \$27,114. Agricultural land is the major beneficiary of the drain with the city receiving minor benefits. The project consists of excavation, control gates, culverts, tree removal, seeding and frontage road cleanout. Mr. Sprynczynatyk stated construction is anticipated to begin this fall after all of the easements have been obtained. The project has received drain permit No. 2559 with approval given by the Water Resource District on July 20, 1987. The extension will operate under the same operation plan as the main drain.

Ben Varnson, Chairman of the Nelson County Water Resource Board, further discussed the project and requested the Commission's favorable consideration of their request for cost sharing.

Concern was expressed by the Commission members that there will be water contributed from this project to the Devils Lake Basin, and if it appears to be a significant amount of water the Commission may want to consider delaying implementation of its approval of funding subject to finalization of an overflow plan for Devils Lake.

In discussing the Commission's concern, it was determined that the amount of water being contributed from this project into the Devils Lake Basin would be minimal.

It was the recommendation of the State Engineer that the State Water Commission cost participate in the construction of the Nelson County Legal Drain No. 4 Extension for 40 percent of the eligible costs not to exceed \$12,930, contingent upon the availability of funds.

It was moved by Commissioner Gust and seconded by Commissioner Spaeth that the State Water Commission approve cost sharing for 40 percent of the eligible costs in an amount not to exceed \$12,930 in the construction of the Nelson County Legal Drain No. 4 (Lakota Drain). This motion shall be contingent upon the availability of funds.

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Commissioners Backes, Byerly, Gust, Guy, Lardy, Narlock, Spaeth and Governor Sinner voted aye. There were no nay votes. The Chairman declared the motion unanimously carried.

STATUS REPORT ON
RED RIVER DIKING
(SWC Project No. 1638)

David Sprynczynatyk reported a meeting has been scheduled for September 11, 1987 with representatives of the Minnesota Department of Natural Resources and the local Water Resource Districts in the area to discuss the dike compliance issue and future water management efforts in the States of North Dakota and Minnesota. Mr. Sprynczynatyk commented it appears all dikes will be in compliance by the October 31, 1987 deadline established by the Court.

At the June 17, 1987 Commission meeting, members considered damage claims for road and fence repairs to Robert Walski's property. The Commission members passed a motion authorizing staff to conduct an onsite investigation of the damages to appraise the exact damages and to recommend an estimate based on the actual costs to bring the fence and road back to near its original condition. The Commission members also authorized the State Engineer to make the final determination on the recommendation provided by the staff and to authorize payment of the cost estimate prior to the end of the 1985-1987 biennium.

At the July 22, 1987 Commission meeting, members heard a report from the staff relative to the onsite investigation and were given an opportunity to view still and video photography. The staff recommendation was discussed and the Commission members were informed this recommendation was considered by the State Engineer and based on the Commission's action of June 17, 1987, a final determination was made and payment in the amount of \$349.90 for the fence damages was authorized to Robert Walski prior to the end of the biennium.

Mr. Sprynczynatyk indicated that on August 24, 1987, Mr. Walski returned the \$349.90 check stating this was not adequate compensation for the damages and requested the Commission's reconsideration of compensation for the total amount of damages in the amount of \$5,289.28, plus rental of a pasture.

On September 3, 1987, the State Engineer responded to Mr. Walski's request indicating the \$349.90 arrived at was based upon an actual survey of his property by staff and that there is no justification for a greater amount.

The Commission members discussed a claim submitted by Cyril Stoltman for damages to his land in the amount of \$3,590. Mr. Sprynczynatyk stated that the staff has inspected the area and has recommended payment in the amount of \$390 for the work that was done to level the land, which required leveling as a result of Commission activities.

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On August 28, 1987, a letter was received from Mr. Stoltman's attorney in which the situation was explained in detail, requesting reconsideration of the staff recommendation, and requesting that Mr. Stoltman be compensated for the total amount of damages in the amount of \$3,590.

The State Engineer responded on August 28, 1987, advising the attorney that the State Water Commission did not authorize the staff to make payment for anything more than releveling the land allegedly damaged as a result of Commission activities and that staff would not authorize payment without the Commission's input even it was felt it was justified by all the facts and circumstances of the situation. Secretary Fahy stated he informed the attorney the request would be presented to the State Water Commission for further consideration.

In discussing the claim for damages filed by Cyril Stoltman, the State Water Commission authorized the State Engineer to exercise his judgment in the final determination based on the staff's recommendation.

RED RIVER DIKING -
DISMISSAL OF COMMITTEE
(SWC Project No. 1638)

On February 13, 1987, Governor Sinner appointed Commissioners William Lardy and Jerome Spaeth to a committee to work with the State Water Commission staff to develop a recommendation for the Commission's consideration relative to reimbursement to landowners for expenses incurred during the Red River diking modification process.

Governor Sinner indicated this committee has completed its assignment and, therefore, dismissed the committee. The Governor complimented Commissioners Lardy and Spaeth for their efforts in this assignment.

CONSIDERATION OF AGENCY
FINANCIAL STATEMENT

Secretary Fahy distributed copies of the State Water Commission and the Southwest Pipeline Project 1985-1987 budget summary, and the 1987-1989 Appropriations Report, dated August 26, 1987, for the Commission's information.

Governor Sinner left the meeting and designated Commissioner Guy to assume the chair.

DEVILS LAKE OUTLET PROJECT -
APPEARANCE BY GORDON BERG,
CHAIRMAN OF LEGISLATIVE
WATER RESOURCE COMMITTEE
(SWC Project No. 1712)

Gordon Berg, Chairman of the Legislative Interim Water Resource Committee, appeared before the Commission to request assistance in developing information on a proposal that would stabilize the level of Devils Lake during dry years. Mr. Berg also requested assistance from the State Water Commission relative to determining federal ownership involved in Stump Lake.


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Commissioner Guy advised that the State Water Commission's policy for considering a request requires the information be submitted in writing and will then be placed on the agenda for the Commission's consideration.

It was moved by Commissioner Lardy, seconded by Commissioner Backes, and unanimously carried, that the State Water Commission meeting adjourn at 3:10 p.m.


George A. Sinner
Governor-Chairman

ATTEST:


Vernon Fahy
State Engineer and Secretary

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NORTH DAKOTA STATE WATER COMMISSION

REGISTER

ATTENDANCE AT State Water Commission Meeting

DATE September 8, 1987 PLACE Bismarck, N.D.

PROJECT NO. _____

Your Name	Your Address	Who do you Represent? (Or Occupation)
DAVID Spryngaczynski	Bismarck	State Water Commission
Dale L. FRINK	"	"
DiAnne Olson	Bismarck	ND Dept of Agriculture
Laval Eberhart	Bismarck	P. P. Radio
Jill Warner	"	KXMB-TV
Dan Truckell	West Fargo	S.E. Cass WRD
Fletcher Poling	Bismarck	Basin Electric Power Coop
Roger Collins	Bismarck	U.S. Fish & Wildlife Service
Fred Helberg	Hamoud, ND	S.E. Cass County Resource D.
Barbara K. Pyle	431 W 6 th , West Fargo	interested taxpayer
Jeffrey Volk	West Fargo	Moorhead Engineering Firm
Randy Budberry	Mandan	The Forum
Robert J. Jume	Bismarck	AP
Bruce Stone	Bismarck, ND	Richland Co
Jorgen Haugen	McLeod N. Dak.	Richland Co WRD

NORTH DAKOTA STATE WATER COMMISSION

REGISTER

ATTENDANCE AT _____

DATE _____ PLACE _____

PROJECT NO. _____

Your Name	Your Address	Who do you Represent? (Or Occupation)
<i>Ernest J. Jensen</i>	<i>Hankinson N. Dak.</i>	<i>Richland Co. W.R.D.</i>
<i>Donz Eiben</i>	<i>Business</i>	<i>ND Parks & Rec</i>

MEMORANDUM

TO: Governor George A. Sinner and State Water Commission Members
FROM: Dale Frink, Manager, Southwest Pipeline Project
SUBJECT: Draft Construction Schedule for the Southwest Pipeline Project
DATE: September 3, 1987

The following is a draft construction schedule for the Southwest Pipeline Project. The schedule is based on receiving \$10-\$11 million of federal M,R&I money for the next 7 to 8 years and it will be necessary to adjust this schedule each year based on the actual amount received. It is necessary to have such a schedule, however, to ensure efficiency during construction and to allow adequate time for the construction of each of the facilities.

Based on this schedule, it is proposed to spend most of the 1988 funds on pipeline construction. If we get \$10 million in 1988, we will have a continuous pipeline from the water treatment plant to near the Dickinson city limits.

In 1989, the raw water line would be completed along with the main pipeline through Dickinson. The pumping stations and storage reservoirs between Lake Sakakawea and Dickinson would also be started in 1989. This schedule will provide raw water to Dickinson in early 1990.

The water treatment plant would be started in 1990 and completed in late 1997. A change in the treatment plant locations would affect this schedule. The decision on the treatment plant must be made before the last few miles of pipe are laid to Dickinson. Therefore, the State Water Commission should make the decision on the treatment plant next year.

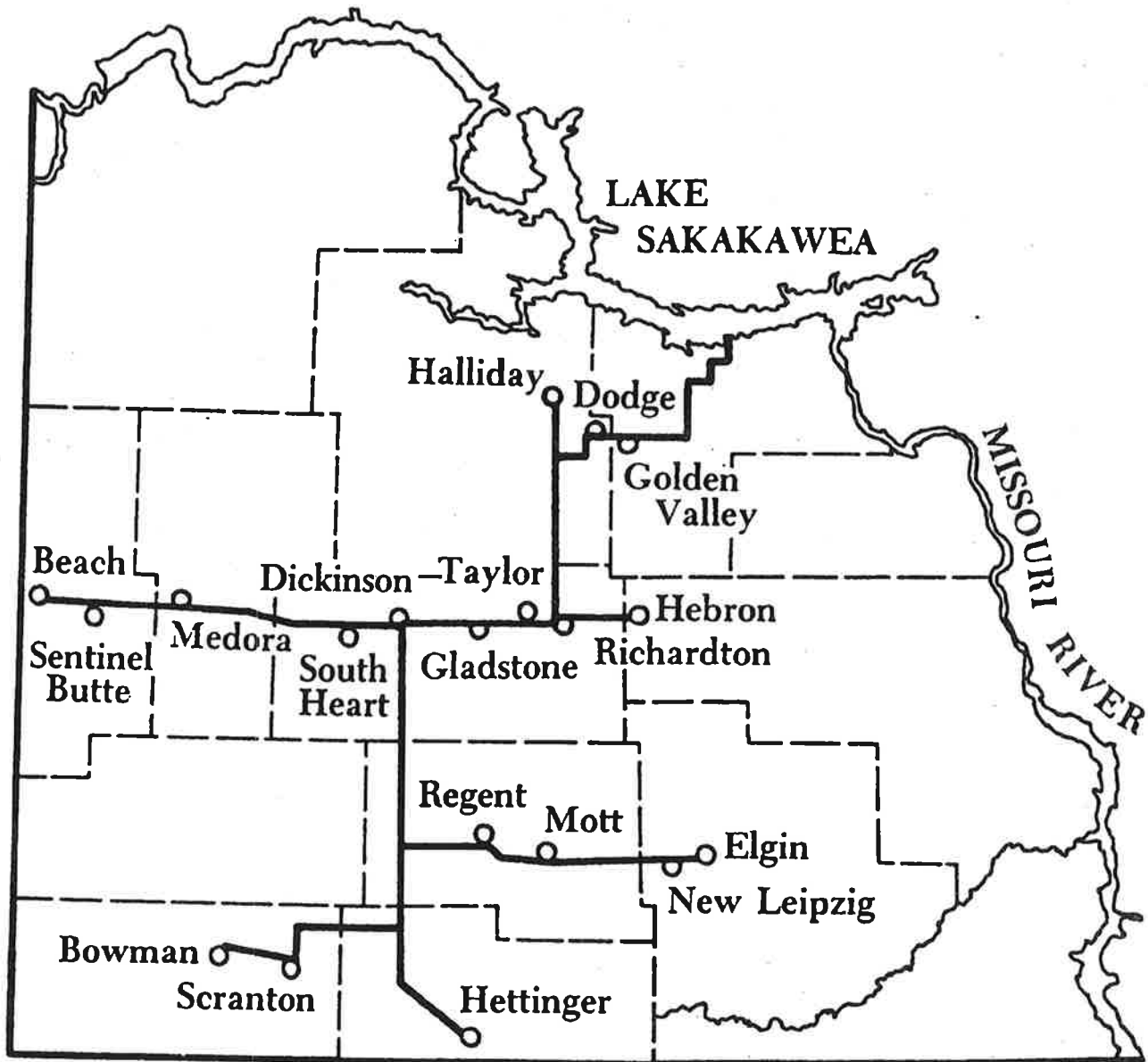
The schedule provides treated water to the 19 cities as follows:

- 1993 - Golden Valley, Dodge, Halliday, Richardton, Hebron, Gladstone, Taylor, Dickinson, and Hettinger.
- 1994 - Bowman, Scranton, Regent, Mott, New Leipzig, and Elgin.
- 1995 - South Heart, Medora, Sentinel Butte, and Beach.

Rural water would be available to rural water cooperatives for distribution along constructed portions of the pipeline starting in 1993.

Attached are maps outlining the construction schedule for the pipeline and major facilities. Bartlett and West Engineers have also prepared a large table that shows the detailed cost breakdown for the project. This table will be available for review and discussion at the September 8th Water Commission meeting.

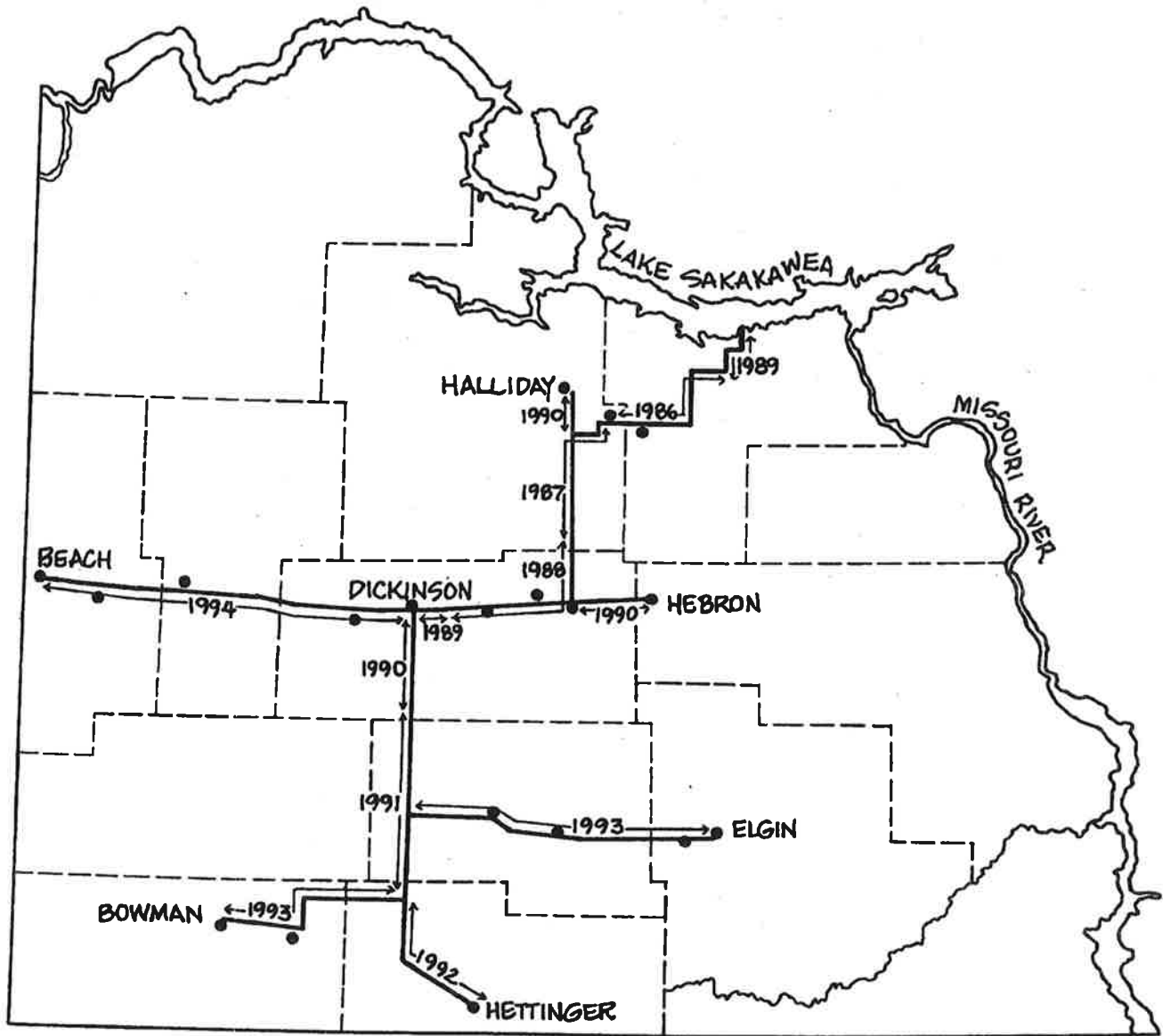
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SOUTHWEST PIPELINE PROJECT
 CONTRACT CITIES

SOUTHWEST PIPELINE PROJECT

PIPELINE CONSTRUCTION SCHEDULE



SOUTHWEST PIPELINE PROJECT NON-PIPELINE FACILITIES

