



**East Dakota Water Development District**  
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Brookings, SD 57006

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**MINUTES**  
**September 19, 2013**

The Board of Directors of the East Dakota Water Development District (EDWDD) held a regular meeting on September 19, 2013, at the District office in Brookings. Chairman Jarrett called the meeting to order at 9:05 a.m. The following persons attended:

**Directors Present**

Mark Anderson  
Lois Brown  
Mary Ellen Connelly  
Gary Duffy  
Martin Jarrett  
Kay Kassube  
John Moes  
Jerry Soholt

**Directors Absent**

Roger Scheibe

**Others Present**

Bonnie Dybedahl, SD Farm Bureau  
Patricia Hammond  
Guanghai Hua, South Dakota State University  
Jesse Johnson, South Dakota Corn  
Dana Loseke, SD Sierra Club  
Mike Schmidt, SD Farm Bureau  
Eric Witte, Brookings Municipal Utilities

**Staff Present**

Jay Gilbertson  
Deb Springman  
Kristi Thielen

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**Administrative Items**

Approval of Agenda - The Manager asked to have consideration of joint funding agreements with the United States Geological Survey for gaging station operations added to the agenda.

**Motion** by Moes, seconded by Duffy to approve the agenda as amended. Motion carried unanimously.

Minutes - The Board reviewed the Minutes of the August 15<sup>th</sup>, 2013 meeting.

**Motion** by Soholt, seconded by Moes to approve the Minutes as presented. Motion carried unanimously.

Financial Reports - The Board reviewed the August 2013 Financial Report.

**Motion** by Soholt, seconded by Duffy to accept the August 2013 Financial Report. Motion carried unanimously. Chairman Jarrett then asked that the report be placed in the District files.

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Report of Meetings and Conferences - Directors Connelly and Kassube, along with Chairman Jarrett, attended the Mayor's Big Sioux River Water Summit in Sioux Falls on September 9<sup>th</sup>.

Director Moes attended the meeting of the Lake Pelican Water Project District on September 18<sup>th</sup> in Watertown.

The Manager briefly commented on the following meetings he had attended:

1. **August 19** - Clear Lake. Sioux Valley County Commissioners Association.
2. **August 19** - Arlington. KingBrook Rural Water System Board of Directors.
3. **August 23** - Brookings. Brookings Municipal Utilities east well field monitoring plan development.
4. **August 26** - Sisseton. Minnesota River National Blue Ways informational gathering.
5. **September 4** - Brookings. SDSU Cooperative Extension Water Resource Specialist interviews.
6. **September 5** - Watertown. South Dakota Association of Rural Water Systems Board of Directors.
7. **September 7** - Rapid City. South Dakota Wildlife Federation Annual Meeting.
8. **September 9** - Sioux Falls. Mayor's Big Sioux River Water Summit .
9. **September 10** - Sioux Falls. Central Big Sioux River Watershed Project Steering Committee.
10. **September 12** - Aberdeen. James River water Development District Board of Directors.
11. **September 15 & 16** - Webster. South Dakota Legislature's Regional Watershed Advisory Task Force field trip and public meeting.

Upcoming Meetings

1. **September 23 - 6:00 p.m.** - Lake Benton, MN.. Lincoln-Pipestone Rural water Board of Directors.
2. **September 26 - 7:00 p.m.** - Madison. Lake County Clean Water Committee.
3. **September 27 - 1:00 p.m.** - various Dakota Digital Network sites. South Dakota Board of Water and Natural Resources.
4. **October 15 - 10:00 a.m.** - Madison. SDARWS Quality On Tap editorial board meeting.
5. **October 17 - 9:30 a.m.** - Redlin Environmental Center, Watertown. October EDWDD Board of Directors Meeting.
6. **October 30 - 8:30 a.m.** - Brookings. Eastern South Dakota Water Conference.

Payment Requests - ***South Dakota State University (Ag Drainage Hydrology)*** - In October 2011, the District agreed to provide \$60,438 in cost-share assistance to South Dakota State University (SDSU) for a research project entitled, "Agricultural Subsurface Drainage Impacts on Hydrology in Eastern South Dakota." Dr. Christopher Hay and colleagues are examining the hydrologic impacts of subsurface agricultural drainage (tiling) at the field level using field-calibrated computer models. SDSU has submitted a request for reimbursement of \$1,158.72 for project expenses incurred during August 2013. The Manager indicated that the request and documentation are in order.

**Motion** by Duffy, seconded by Soholt to authorize payment of \$1,158.72 to SDSU as requested. Motion carried unanimously.

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***South Dakota State University (Winter Manure)*** - In December 2009, the District agreed to provide project assistance of up to \$9,000 in cost-share assistance to South Dakota State University (SDSU) for a research into the project evaluating water quality impacts of winter application of manure. Dr. Jeppe Kjaersgaard and colleagues are conducting the study in hopes of identifying a the best way(s) to apply manure at times when it would be otherwise contraindicated. SDSU has submitted a request for reimbursement of \$3,505.50 for project expenses incurred between January 1, 2012, and June 30, 2013. The Manager indicated that the request and documentation are in order.

**Motion** by Moes, seconded by Kassube to authorize payment of \$3,505.50 to SDSU for support of the winter manure application study as requested. Motion carried unanimously.

***South Dakota State University (SDAWN)*** - At the January 2013 Board meeting, the District pledged \$6,000 in District project assistance funds to general support the South Dakota Automatic Weather Data Network (SDAWN), operated under the supervision of State Climatologist Dr. Dennis Todey. SDAWN consists of 34 weather stations located across the state that provide real-time weather information, with 11 of the sites are within the East Dakota WDD. SDSU has submitted a payment request for the full amount of support. The Manager indicated that the request and documentation are in order.

**Motion** by Brown, seconded by Connelly to authorize payment of \$6,000 to SDSU for support of the SDAWN as requested. Motion carried unanimously.

**Northern Prairies Land Trust** - At the April 2012 Board meeting, the District pledged \$160,820 in District cost-share assistance in support of the East Dakota Riparian Area Restoration and Protect Project (Project). Northern Prairies Land Trust (NPLT) is the Project sponsor. The Project seeks to restore and protect the beneficial uses of impaired water bodies within the Minnesota, Big Sioux, and Vermillion River basins in the East Dakota Water Development District by promoting and implementing riparian conservation easements to reduce sediment loading and prevent bacterial contamination. NPLT has submitted a payment request for Project expenses totaling \$1,252.59 for expenses incurred between March and August of 2013. The Manager indicated that the request and documentation are in order.

**Motion** by Kassube, seconded by Soholt to authorize payment of \$1,252.59 to NPLT for Project expenses as requested. Motion carried unanimously.

### **Hearing on the 2014 EDWDD Operations Budget**

Chairman Jarrett opened the public hearing on the 2014 EDWDD Operations Budget at 10:00 a.m. The Manager stated that the District had published a copy of the proposed budget (summarized below) and notices of the hearing in the 10 official District newspapers as required by South Dakota Codified Law 46A-3E-10. No written or verbal comments on the proposed budget were received prior to the meeting/hearing.

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## FY 2014 EDWDD BUDGET

### APPROPRIATIONS

01	Board of Directors	\$37,586
02	Administration	\$138,387
03	Technical Assistance	\$235,937
04	Operational Expenses	\$105,200
05	Professional Services	\$29,500
06	Capitol Outlay	\$11,000
07	Grant Expenditures	\$205,000
08	Project Assistance	\$179,250
09	Contingency Funds	<u>\$110,000</u>
Total FY 2014 Appropriations		\$1,051,860

### MEANS OF FINANCE

100	Tax Revenue	\$639,860
200	Grant Revenue	\$205,000
300	Capitol Reserves	\$200,000
400	Miscellaneous Revenue	<u>\$7,000</u>
Total FY 2014 Means of Finance		\$1,051,860

Chairman Jarrett invited public comment on the budget as advertised and presented. No public comments were made. Chairman Jarrett declared the public hearing closed, and called for Board comment and/or action on the proposed budget.

The Manager requested Board authorization for the Chairman and Vice-Chairman to sign District Resolution 13-1, Resolution providing that a tax be assessed and levied on all taxable property in the East Dakota Water Development District (copy attached). The resolution covers District property tax collections for fiscal year 2014, as identified in the property tax income portion of the budget under consideration. The resolution is part of the package of material sent to all county auditors and treasurers in the District on or before October 1.

**Motion** by Kassube, seconded by Moes to adopt the 2014 EDWDD Operations Budget as presented, and to authorize the Chairman and Vice-Chairman to sign Resolution 14-1. Motion carried unanimously.

### **United States Geological Survey Gaging Station Agreements**

The Manager reviewed the proposed joint funding agreement (JFA) between the District and the United States Geological Survey (USGS) South Dakota Water Science Center for support of stream gaging stations for Federal Fiscal Year (FFY) 2014 (October 2013 - September 2014). During FFY 2013, the District provided cost-share assistance for one gage, on the Big Sioux River near Bruce, at a cost of \$7,520. The proposed JFA would be for a continuation of support for this gage at a cost of \$7,755. No new gage sites have been proposed.

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The Manager then reviewed JFAs between the District and the USGS Minnesota Water Science Center for support of two stream gaging stations for both FFY 2013 and 2014. He noted that at the conclusion of FFY 2010, the local cost-share support for gages on the Whetstone River in Grant County (USGS 05291000) and the Yellow Bank River gage in Lac qui Parle County (USGS 05293000) was dropped by the Minnesota Department of Natural Resources (MN DNR). Both gages have long histories and are critical to the ongoing District-sponsored efforts in the upper Minnesota River watershed. Several local water resource agencies, including the District, banded together to cover the withdrawn MN DNR support, and keep the gages operational. The District cost-share for the FY 2013 is \$2,766, and will be \$2,816 during FFY 2014.

**Motion** by Moes, seconded by Duffy to approve the FFY 2014 JFA with the South Dakota Water Science Center for \$7,755, and the FFY 2013 and FFY 2014 JFAs with the Minnesota Water Science Center for \$2,766 and \$2,816 respectively, and to authorize the Manager to execute the JFAs. Motion carried unanimously.

### **Project Assistance Requests**

Brookings Municipal Utilities - Eric Witte, with the Brookings Municipal Utilities (BMU), presented a request for District cost-share assistance for the installation of nine (9) groundwater observation wells. The wells would be located around the production wells of the BMU East Well Field. Three of the wells would be installed adjacent to existing wells, while the remaining six would be installed as three paired wells at sites up-gradient of the production wells. The paired wells, with one well screened near the water table and the other screened at the base of the aquifer, provide better information on nitrate distribution in the aquifer. The wells would be used to better assess, monitor and protect the BMU water source. The total cost of the installation of the nine wells is estimated at \$18,500.

The Manager noted that BMU has not requested a specific dollar amount of support, and recommended that District cost-share assistance to cover one-third of the projected installation costs.

**Motion** by Connelly, seconded by Brown to provide District cost-share assistance to BMU to cover one-third of the costs of installation of the observation wells, up to a maximum amount of \$6,170. Motion carried unanimously.

SDSU Civil & Environmental Engineering Department - Dr. Guanghui Hua, Assistant Professor in the SDSU Civil and Environmental Engineering Department (CEE), presented a request for District cost-share assistance for a proposal he is developing for funding by the US Environmental Protection Agency Section 319 Program managed by the SD Department of Environment and Natural Resources (DENR). Entitled "Evaluating the Effectiveness of Polyacrylamide to Reduce Suspended Solids, Bacteria and Nutrients in Agricultural Runoff," the project would be a joint effort of faculty from CEE (Drs. Hua and Schmit) and the Agricultural Engineering Department (Drs. Hay and Kjaersgaard).

The objective of this project is to evaluate the effectiveness of polyacrylamide (PAM) flocculation to reduce the levels of total suspended solids, bacteria and nutrients in agricultural runoff in South Dakota. PAM has been used since 1990s to reduce irrigation-induced erosion and enhance infiltration. Its soil stabilizing and flocculating properties improve runoff water quality by reducing sediment, nutrients, microorganisms and other contaminants in runoff. PAM has been successfully used for agricultural erosion control, construction site erosion control, and storm water treatment.

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The total proposed budget for the two-year project is \$149,774. \$89,746 is to be requested from the 319 Program, with SDSU providing \$54,028 as in-kind match. Dr. Hua's request of the District is for \$6,000 in support. District funds would likely be used to cover travel and experiment costs.

**Motion** by Duffy, seconded by Anderson to pledge District cost-share assistance of \$6,000 toward support of the project entitled, "Evaluating the Effectiveness of Polyacrylamide to Reduce Suspended Solids, Bacteria and Nutrients in Agricultural Runoff," as requested. Motion carried unanimously.

### **District Review**

The Manager reviewed the history of the District, from its inception as the East Dakota Conservancy Sub-District in 1963, through the transition into a water development district in 1984, to the present. He reviewed a range of projects and activities that the District has supported, including those in which it has taken the lead, efforts in which the District staff provide support as partners, and those efforts where District assistance is primarily limited to financial assistance and/or technical support.

*The Board took a break for lunch at 12:30 p.m., and reconvened at 2:00 p.m.*

The Board undertook a general discussion of the role and function of the District with the assistance of a facilitator, Patricia Hammond. Individual directors articulated their interpretation of the South Dakota Codified Law 46A-3A-1.1, the section in code that speaks to the mission of water development districts. Responses reflected a range of perspectives and interests, but it was the consensus of the Board that all contained some common themes with regard to how the District ought to approach water resource issues. The Manager stated that he would work with Ms. Hammond to refine the ideas raised during the discussion and bring the result to the Board at a future meeting.

### **Adjournment**

There being no further District business, Chairman Jarrett declared the meeting adjourned at 3:00 p.m.

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Roger Scheibe, Secretary

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**RESOLUTION 13-1**

**RESOLUTION PROVIDING THAT A TAX BE ASSESSED AND LEVIED ON ALL TAXABLE PROPERTY IN THE EAST DAKOTA WATER DEVELOPMENT DISTRICT**

**WHEREAS**, Section 46A-3E-1 of the South Dakota Codified Laws provides, “A water development district board of directors may levy taxes, not to exceed thirty cents per thousand dollars of taxable valuation in the district, for accomplishment of the purposes of chapters 46A-3A to 46A-3E, inclusive, and chapters 46A-1 and 46A-2. If an area is included in more than one water development district, that area's tax levy payable to each of the water development districts shall be determined by multiplying the greater of the overlapping water development districts' levies by each water development district's taxing fraction. Each water development district's taxing fraction is determined by dividing that water development district's proposed tax levy for the overlapped area by the sum of all water development districts' levies for the overlapped area. Any water development district for which boundaries are revised under §§ 46A-3A-2 to 46A-3A-7.1, inclusive, is not considered a new taxing district. If any water development district levied a tax pursuant to chapter 10-13 in a manner used by a new taxing district for taxes payable in 2010, such water development district shall revert to the amount of revenue payable to the district for taxes payable in 2009 including any excess levy approved pursuant to § 10-13-36 before July 1, 2002. The water development district may adjust the maximum amount of revenue payable for property taxes based on the growth and index factor for each year thereafter. Any excess levy approved by the water development district pursuant to § 10-13-36 before July 1, 2002, is null and void”; and

**WHEREAS**, Section 46A-3E-13 of the South Dakota Codified Laws provides, “Appropriate officials shall extend the levy or special assessments upon the tax list of the county, municipality, or other appropriate tax paying entity for the tax year against each description of taxable property or, in the case of special assessments, against each description of taxable property to be specially assessed within the water development district in the same manner and with the same effect as other taxes and assessments are extended, including the authority, requirements, and procedures contained in chapter 9-43”; and

**WHEREAS**, Section 46A-3E-14 of the South Dakota Codified Laws provides, “Appropriate tax collecting officials shall collect all water development district taxes and assessments, together with interest and penalty thereon, if any, in the same manner as the general taxes and assessments are collected and shall pay over monthly to the water development district treasurer all taxes so collected during the preceding month, with interest and penalties, and shall immediately notify the secretary of the water development district of such payment. The water development district treasurer shall immediately enter these receipts to the credit of the depository accounts designated by the water development district board of directors pursuant to § 46A-3E-10”; and

**WHEREAS**, the East Dakota Water Development district boundary includes all of the lands within Brookings, Codington, Deuel, Grant, Hamlin, Kingsbury, Lake, Lincoln (Sioux Falls only), Miner (eastern one-half), Minnehaha, and Moody; and

**WHEREAS**, the East Dakota Water Development District Board of Directors, at a meeting in Brookings, South Dakota, on September 19, 2013 adopted a budget of \$1,051,860 for the calendar year 2014 and which is hereby attached and incorporated by reference; and

**WHEREAS**, an estimated \$636,860 of said budget is to be raised by a new tax on taxable valuation in the East Dakota Water Development District;

**NOW, THEREFORE BE IT RESOLVED**, that pursuant to Chapter 46A-3A to 46A-3E, inclusive, of the South Dakota Codified Laws, the county auditor in each of the following counties of Brookings, Codington, Deuel, Grant, Hamlin, Kingsbury, Lake, Lincoln (Sioux Falls only), Miner, Minnehaha, and Moody within East Dakota Water Development District, be instructed to extend the following tax levy in dollars, not to exceed the limits established in Chapter 46A-3E of the South Dakota Codified Laws for collection in 2014 to wit:

<b>COUNTIES</b>	<b>REAL PROPERTY TAX LEVY</b>
Brookings	\$62,867
Codington	\$57,479
Deuel	\$18,376
Grant	\$22,896
Hamlin	\$19,594
Kingsbury	\$22,766
Lake	\$31,840
Lincoln (Sioux Falls only)	\$60,189
Miner	\$7,768
Minnehaha	\$312,149
Moody	\$20,936

Said tax levy is to be extended against all taxable property in the county including municipalities, within:

1. Minnehaha, Moody, Lake, Kingsbury, Brookings, Hamlin, Deuel, Codington, and Grant Counties;
2. Grafton, Belleview, Adams, Henden, Howard, Clearwater, Canova, and Vermillion townships in Miner County; and
3. all municipalities that are wholly or partially within the included area or that are contiguous to the included area; in the same manner and with the same effect as other taxes are extended; and

**BE IT FURTHER RESOLVED**, pursuant to Section 46A-3E-14 of the South Dakota Codified Laws, the county treasurer in each of the counties within the said East Dakota Water Development District be instructed to collect said real property taxes and pay over such collection of money to the East Dakota



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Water Development District each month for deposit in the First National Bank of Brookings, the local depository for the District; and

**BE IT FURTHER RESOLVED**, pursuant to Section 46A-3E-12 of the South Dakota Codified Laws, the secretary of the East Dakota Water Development District is hereby instructed to send a certified copy of this resolution adopting this annual tax levy to be made against 2013 taxable property valuation, and a certified copy of the budget for 2014 as approved by the Board of Directors, to each county auditor and each county treasurer within the East Dakota Water Development District and to the State Secretary of Revenue.

Dated this 19<sup>th</sup> day of September, 2013, with the approval of the East Dakota Water Development District Board of Directors.

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Martin Jarrett, Chairman  
East Dakota Water Development District

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Jerry Soholt, Vice-Chairman  
East Dakota Water Development District

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