

Regular Board of Directors Meeting
Monday, January 14, 2019 1:30 PM
Lower Platte North NRD Office
P.O. Box 126
Wahoo, NE 68066

1. Call to Order

NOTE: The agenda is on file at the LPNNRD office and may be changed up to 24 hours prior to the meeting as scheduled.

1.A. Meeting Notice

1.B. Inform Public on Location of Copy of "Open Meeting Act"

1.C. Pledge of Allegiance

2. Roll Call

2.A. Introductions

3. Approval of Agenda

Are there any additions or corrections to the agenda?

4. Comments - Advisors/Guests

4.A. Guest Comments

4.B. NRCS Report

4.C. NARD Report

4.D. NRC Report

4.E. Managers Report

4.F. Education Program - Wahoo CEO Program

4.G. Report from Nominating Sub-Committee

4.H. Report from Director Vacancy Sub-Committee

5. Approval of Minutes

Are there any additions or corrections to the Minutes? If not they will be approved on the consent agenda.

6. Report of Standing Committees

6.A. Executive Committee - Action as Required

6.A.1. UNFINISHED BUSINESS

6.A.1.a. Off Site Water Table Concerns Near Sand Creek

6.A.2. MEETINGS

6.A.2.a. Pending

6.A.2.a.1. Legislative Conference

Attached find an agenda and a listing of Directors that are registered to attend the Legislative Conference. Please let Breunig know if you have any questions.

6.A.2.a.2. Basin Caucus Meetings

The Basin Caucus meetings are scheduled as follows:

The Lower Platte Basin, Friday, January 11th 12:00 noon at Lower Platte South

The Big Blue River Basin, Friday, January 11th 10:00 a.m. at Milford Fire Hall

6.A.2.a.3. Director Retreat

The Annual Director Retreat is scheduled for Wednesday, February 13th at Benedictine Retreat Center near Schuyler. Please let Gottschalk know of any topics you would like on the agenda.

6.A.2.b. Reports

6.A.3. MANAGEMENT ITEMS

6.A.3.a. Directors Absence - None

6.A.3.b. Monthly Education Program

Let Eric or Jill know if you have any ideas for our monthly education program.

6.A.3.c. Federal Government Shutdown

We were informed by NRCS they are among the exempt agencies as it relates to the shut down so our staff working out the NRCS centers have not been affected.

6.A.3.d. Director Vacancy Sub-Committee - Report

Candidate forms are due in the office by 4:00 p.m. Thursday, January 3rd. See attachment.

6.A.3.e. Officer Nominating Sub-Committee - Report

Attached find the minutes from the Nomination Sub-Committee.

6.A.3.f. Committee Meeting Dates and Time

Attached and in each Directors box is a Committee Survey. Please take time to fill out the survey so the Chairman can assign new Committees. With the new committee assignments there may be a need to change Projects Committee and O & M committee meeting date and times. Discussion is needed.

6.A.3.g. District Accounting

During the budget process there was discussion regarding our current accounting firm and the interest in seeking alternative options. Discussion is requested on the subject and possible motion to provide staff direction in which to proceed.

6.A.3.h. Wanahoo Education/Recreation Building update

Hedges Construction continues their work erecting the building. There have been a few issues we continue to work through as it relates to proper brackets and building attachments.

Plumbing rough-in is complete.

Bid paperwork is currently being prepared for; Geothermal heating/cooling, interior construction and finish work, finish plumbing, Solar power, electrical, finish grading and landscape, security, audio/visual and appliances.

Initially when building was bid and purchased, a fiberglass insulation package was included. After additional discussion and consultation, I am recommending we make a change order and go with spray-on insulation. McConnell Thermal Services out of Seward has given us a bid that allows for a combination of closed-cell and/or open-cell spray-on insulation. They will be able to work with our construction schedule and be ready to apply as soon as side and roof tin is complete (mid to late January)

6.A.3.i. Wanahoo Recreation

- As of 1-1-19, the Lower Platte North NRD has taken over recreation responsibilities at the Park.

- Wanahoo Park permits went on sale December 3rd and as of this morning approximately 350 park permits have been sold generating over \$ 5,000 in Wanahoo revenue.

- Park signage has been ordered and essential signs have been put up. Between now and the opening of our recreation season, all remaining signs will be installed.

- We have partnered with Joe Spicka, owner of Wahoo Corner Market to handle off-site sales of our park permits. The Corner Market is open 5 am - 11 pm and will provide an excellent options for permit sales outside our regular office hours. It is my intention for this to be the only off-site sales location.

- On-line camp reservations are up and running. We are using the same website Game and Parks has used in the past. This will provide the same look and format as campers have been accustomed to.

- Staff will be conducting routine park drive through inspections to insure permit and other regulations are being followed.

-Staff is moving forward to create our new "Friends of Lake Wanahoo" committee. This new group will serve only as a recommending body to assist Lower Platte North NRD as we move forward managing and developing our Park. My vision of the group would be to have members from local business, organizations and schools along with fishing, hiking, hunting and camping enthusiasts meet on a regular basis (quarterly) to discuss and make requests for park improvements and developments.

- Due to the expansion of our recreation and parks responsibilities, our District will apply for membership in the Nebraska and National Recreation and Parks Association. Membership benefits include park development ideas and funding opportunities as well as, the ability to obtain needed assistance in recreation and park related issues and ideas.

- I was contacted by a district resident as to the availability of honoring the National Park's senior and lifetime passes. After reviewing the National Parks website and Nebraska parks that honor these passes, it does not appear Wanahoo would fall within their guidelines. (COE site)

No changes to our current park requirements are planned at this time.

6.A.3.j. Adding Wanahoo to O&M Subcommittee

It has been the intention since the decision was made for LPNNRD to manage the recreation component of our Lake Wanahoo property to place the operation responsibilities of management into one of our existing sub committees. Because of the nature of work and the operation components requiring communication between departments, I am recommending we add Lake Wanahoo Park Recreation to our current O&M/I&E/RW committee. To help reduce confusion, I am also recommending the name of the sub-committee be reduced to "Operations" committee. This will allow all District operations (O&M, Information and education, Rural Water and Wanahoo recreation) to report to the same committee.

We will check with legal staff and bylaws to see the exact process and procedures needed to carry out this change.

6.A.4. EQUIPMENT

6.A.5. PERSONNEL

6.A.6. FINANCE

6.A.6.a. Approval of Financial Reports

Grant was available for Conference call at 9:00 a.m. to review the Financial Statement.

6.A.6.b. Approval of Managers Time and Expense Sheets

Attached find Gottschalk's time and expense sheets.

6.A.6.c. Accounts over 90 Days

6.B. Education, Operations & Rural Water Systems Committee - Action as Required

6.B.1. UNFINISHED BUSINESS

There is nothing to consider.

6.B.2. OPERATION & MAINTENANCE & OTHER ITEMS

The O & M staff completed the third gate at Sand/Duck Dam #2 for the Peseka's. We will go back to remove trees when the ground firms up. We cleared trees in a quarter mile of fence line for a landowner at Sand/Duck #24 and also removed an old gate. We are cutting & treating trees along Rawhide Ditch 8 at the east end. Staff put together a power washing trailer for use at Lake Wanahoo.

6.B.2.a. Fremont Non-Structural 205 Study

There is no new information. We have not heard from the Corps of Engineers since November 13.

6.B.2.b. Wanahoo Erosion Repairs

M.E. Collins repaired severe erosion problems behind the dam along the trail and on both sides of the Lake Wanahoo entrance road. Rock basins were created behind the dam, along the trail (see picture) and the ditch restructured. On both sides of the Lake Wanahoo entrance, wood chip dam checks were established every 50' and both ditches restructured.

6.B.2.c. Western Sarpy/Clear Creek Levees

The Papio-Missouri NRD has listed eight different dates in January for the Corps of Engineers to review the O & M Manuals with the NRD's. A firm date has not been

established.

Staff continues to review the O & M Manual document.

6.B.2.d. District Park Regulations Revised

Staff has reviewed and revised the District Park Regulations which pertain to all three of the District's recreation areas. Legal Counsel, Lausterer, has also reviewed the document. After committee meeting an addition was made to the "Preservation of Public Property" section. Added was the violation warning criteria Lausterer developed in September and was Board approved in October.

The revision is attached for your review.

This document is ready for Board approval or further review.

6.B.2.e. Dirt Sales

As of December 10th, the dirt sales total is \$233,916.

6.B.2.f. Fremont/Dodge County Drainage East Issues

There will be much discussion in the near future between the NRD, City of Fremont and Dodge County regarding drainage from the City of Fremont to the east in Dodge County. Mountford has sent out information on the topic via email, it will be discussed in all three committee's and it's attached, please review.

Committee discussion evolved around the District participating in some manner with either the City of Fremont or Dodge County taking the lead or sponsorship in a new project.

6.B.2.g. Wanahoo Dam Joint Repair

Heimann met with McGill Restoration of Omaha to talk about potential products to seal the joints in the spillway of the Wanahoo Dam and a cost estimate. The contractor will do some research into the products discussed and is willing to use 2-3 products. The products being researched are Saturated Oakum, Tremco Dymonic 100 Urethane, Synthacalk GC2+, URETEK 486 and their product. Papio-Missouri NRD has used this contractor in the past.

6.B.3. ROCK AND JETTY

Nothing to report.

6.B.4. INFORMATION AND EDUCATION

6.B.4.a. Information

6.B.4.a.1. Radio & eAds

The January KTIC radio ad and Wahoo Newspaper eAd promote the availability of Lake Wanahoo NRD park permits. The ads are attached.

6.B.4.a.2. 2019 Calendar

The 2019 LPNNRD Calendars have been printed and distributed to staff and directors. If you are in need of any additional calendars, please contact TePoel.

6.B.4.b. Education

6.B.4.b.1. NARD Legislative Conference

TePoel will be presenting with 3 other NRDs (Lower Platte South, Papio-Missouri, & North Platte) during the NARD Legislative Conference on current education efforts in the district. The session will be on Wednesday, January 30th at 9:20-10:05 am.

6.B.4.b.2. January Education Programs

- Thursday, January 10th: TePoel will present a career opportunities program to Wahoo Public School's 8th grade and 12th grade classes.
- Wednesday, January 16th: Survival Club (Wahoo Public Schools)- John Miyoshi will present a program on fishing at Lake Wanahoo.
- Wednesday, January 23rd: Survival Club (Wahoo Public Schools)- Mike Luben and Kevin Stukenholtz will present a program on 2-legged and 4-legged outdoor predator safety.

6.B.4.b.3. Saunders County Youth Ag Tour

TePoel has been working with a planning committee to organize a Saunders County Youth Ag Tour for 4-H/FFA youth. The date for the tour has been tentatively set for June 7th.

One of the stops on the tour will include NRD presentations by the Water Department and Projects Department.

The planning committee is proposing a Saunders County Youth Ag Tour Scholarship. The selected recipient may use the scholarship towards college expenses (if a senior/recent graduate) or an upcoming 4-H project or FFA SAE project.

6.B.5. RURAL WATER SYSTEMS

6.B.5.a. Colon System

On 12/26 Elliott met with Randy Hellbusch of Nebraska Rural Water Association to develop a plan for balancing the RWD financials. We reviewed past years audits and have come up with a few scenarios; all options will require significant increases to monthly (meter) charge and rate charge. Hellbusch and I agree that it would be best to implement the increases over a multi year basis, ideally a three year timeframe.

On January 6 Elliott will be at the Village of Colon Board of Trustees meeting to discuss

the rate futures of the Colon RWD.
Monthly testing and billing completed.

6.B.5.b. Bruno System

Testing completed 12/19.
Bills sent out 12/28.

6.B.5.c. Other

6.C. Water Committee - Action as Required

6.C.1. UNFINISHED BUSINESS

6.C.2. REGULATORY

6.C.2.a. GROUND WATER MANAGEMENT AREA

6.C.2.a.1. Variance and Well Permit Extension

Tim Shanahan has submitted to the District a variance extension request for his application LPN-V-017-0454 in Section 28-T16N-R7E, Saunders County. The application for a new well to irrigate 135 acres was approved 11/13/2017 and letters were sent 11/15/2017. Mr. Shanahan feels that the letter was lost in the mail.

Tim Shanahan was present at the Committee meeting and realized that it was his responsibility to followup on his variance request. He explained that the well and irrigation equipment would be installed before the 2019 irrigation season.

Staff and Committee discussed if the mail service can be an excuse. Other discussion was about the 2017 variances and that variances prior to 2017 should not be approved in these circumstances. Staff will do a better job on following up on variances and well permits, so maybe this situation will not happen again.

6.C.2.a.2. Variance Requests in the Non-Hydrologically Connected Area (Normal Development Area)

Joe Houska has declined Variance LPN-V-013-0362, which was approved at the October 2018 Board Meeting. Attached is a list of variances for the Committee to consider, if they would like to approve other variances. Staff will have a couple of options for the Committee to consider.

Committee will look at the variances that were not approved at the January Committee Meeting. They also directed staff to re-evaluate James Penne Jr application, which was denied because of over 20% Class 6 and HEL soils.

6.C.2.a.3. Well Permit Program

6.C.2.a.3.A. Well Permits Approved

Wells Permits Approved: #

Landowner	Number of Wells	Number of New Irrigated Acres	Type of Well	County	Subarea

The total number of approved permits for 2018 is #

Location of Approved Well Permits for 2018: Correct as of #####

County	Irrigation - New	Irrigation - Replacement	Stock	Commercial	Municipal	Other	Total
Butler							
Colfax							
Dodge							
Boone							
Madison							
Platte							
Saunders							
Total							

6.C.2.a.4. Fremont-Dodge County Drainage Improvement Options

There will be much discussion in the near future between the NRD, City of Fremont

and Dodge County regarding drainage from the City of Fremont to the east in Dodge County. Mountford has sent out information on the topic via email, it will be discussed in all three committee's and it's attached, please review.

6.C.2.a.5. Lower Platte River Basin Water Management Plan Coalition (LPRBC)

The technical group has met a couple of times to discuss online reporting, which HDR has been working on. The plan is to have online reporting available by February 1, 2019. This will cut down on the size of the written IMP reports that are due March 1. The written report will just be a summary without the specific details on acre feet consumptions. A management meeting is planned for April to review the IMP reports.

6.C.2.a.6. Cost Share Programs

6.C.2.a.6.A. Irrigation Well Sample Kits

6.C.2.a.6.B. Flow Meter Maintenance Program

Tri-City will be entering its third season maintaining the flow meters in SQS #1 & SQS #2.

Breakdown of meters visited per year:

2017 (completed): SQS #1- 8 meters
SQS #2- 68 meters

2018 (completed): SQS #1- 16 meters
SQS #2- 68 meters

2019 (planned): SQS #1- 1 meter (not operating correctly)
SQS #2- 72 meters

2020 (planned): SQS #1 - TBD
SQS #2- 69 meters

Attached is the maintenance rotation spreadsheet

Staff would like to discuss offering meter maintenance District wide. The Committee directed staff to present numbers with more information for District wide Meter Maintenance at the January Committee Meeting.

6.C.2.a.7. Bellwood Phase 2 Area

2018 is the sixteenth year for this Phase 2 Area.

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	Percent Nitrate-nitrogen 8.01 to 10.00 ppm	Percent Nitrate-nitrogen greater than 10 ppm
2004	0 to 25 ppm	46.3% (44 of 95)	8.4% (8 of 95)	45.3% (43 of 95)
2005	0 to 25 ppm	47% (44 of 94)	15% (14 of 94)	38% (36 of 94)
2006	0 to 24 ppm	41% (29 of 71)	14% (10 of 71)	45% (32 of 71)
2007	0 to 31 ppm	48% (48 of 100)	9% (9 of 100)	43% (43 of 100)
2008	0 to 28 ppm	53.75% (43 of 80)	7.5% (6 of 80)	38.75% (31 of 80)
2009	0 to 22 ppm	45.5% (41 of 90)	15.5% (14 of 90)	39% (35 of 90)
2010	0 to 35.7 ppm	48.65% (54 of 111)	11.71% (13 of 111)	39.64% (44 of 111)
2011	0 to 26.6 ppm	51% (56 of 110)	6% (7 of 110)	43% (47 of 110)
2012	0 to 28.9 ppm	57% (61 of 107)	9% (10 of 107)	34% (36 of 107)
2013	0 to 25.8 ppm	50% (53 of 107)	9% (10 of 107)	41% (44 of 107)
2014	0 to 22.3 ppm	51% (55 of 108)	13% (14 of 108)	36% (39 of 108)
2015	0 to 32.3 ppm	43% (31 of 72)	8% (6 of 72)	49% (35 of 72)
2016	0 to 35.1 ppm	34% (25 of 74)	11% (8 of 74)	55% (41 of 74)
2017	0 to 23.5 ppm	36% (27 of 74)	15% (11 of 74)	49% (36 of 74)
2018	0 to 30.9 ppm	39% (24 of 62)	11% (7 of 62)	50% (31 of 62)

6.C.2.a.8. Richland - Schuyler Phase 2 Area

2018 is the third year of this Phase 2 Area. There are 45 registered active irrigation wells in the ten sections of this new area.

Staff is planning to conduct extensive water sampling in the Richland-Schuyler area in 2019 and recommend proceeding after receiving the water sample results.

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	Percent Nitrate-nitrogen 8.01 to 10.00 ppm	Percent Nitrate-nitrogen greater than 10 ppm
2016	1.47 to 41.8 ppm	29% (10 of 34)	9% (3 of 34)	62% (21 of 34)
2017	2.44 to 23.6 ppm	19% (4 of 21)	(0 of 21)	81% (17 of 21)
2018	1.75 to 29.3 ppm	26% (5 of 19)	11% (2 of 19)	63% (12 of 19)

6.C.2.a.9. Richland - Schuyler Phase 3 Area

2018 is the third year of this Phase 3 Area. This Phase 3 area went into effect September 1, 2015. The 55 sections of this area first went into a Phase 2 Area in 2004.

Year	Nitrate-nitrogen Range	Percent Nitrate-nitrogen 0 to 8.0 ppm	Percent Nitrate-nitrogen 8.01 to 10.00 ppm	Percent Nitrate-nitrogen greater than 10 ppm
2004	0 to 47 ppm	30% (42 of 139)	10% (14 of 139)	60% (83 of 139)
2005	0 to 120 ppm	31.3% (74 of 236)	10.2% (24 of 236)	58.5% (138 of 236)
2006	0 to 53 ppm	28% (50 of 181)	14% (26 of 181)	58% (105 of 181)
2007	0 to 99 ppm	32% (75 of 231)	10% (22 of 231)	58% (134 of 227)
2008	0 to 46 ppm	28% (53 of 190)	12% (23 of 190)	60% (114 of 190)
2009	0 to 57 ppm	33% (72 of 216)	6% (13 of 216)	61% (131 of 216)
2010	0 to 57.5 ppm	31% (70 of 229)	7% (15 of 229)	62% (142 of 229)
2011	0 to 65.8 ppm	28% (67 of 241)	9% (21 of 241)	63% (153 of 241)
2012	0 to 52.6 ppm	29% (70 of 241)	9% (21 of 241)	62% (150 of 241)
2013	0 to 94.0 ppm	25% (63 of 252)	9% (23 of 252)	66% (166 of 252)
2014	0 to 101.0 ppm	27% (68 of 251)	9% (22 of 251)	64% (161 of 251)
2015	0 to 53.3 ppm	23% (55 of 238)	12% (29 of 238)	65% (154 of 238)
2016	0 to 50.5 ppm	25% (58 of 228)	10% (22 of 228)	65% (148 of 228)
2017	0 to 53.4 ppm	25% (60 of 238)	6% (14 of 238)	69% (164 of 238)
2018	0 to 56.9 ppm	25% (46 of 182)	7% (12 of 182)	68% (124 of 182)

6.C.2.a.10. LPNNRD Operator Certification

6.C.2.a.10.A. 2019 LPNNRD Certification Classes for Nitrogen and Water Management

Class	Date & time	Location
# 1	Thursday, January 3rd @ 3:30 p.m. <i>? Note: Corn Expo at Christensen Field ?</i>	Fremont - Extension Office (after the Corn Expo)
# 2	Monday, January 14th @ 7:00 p.m.	ENREC - Mead (formerly ARDC)
# 3	Friday, February 1st @ 9:30 a.m.	Columbus - Ag Park ?
# 4	Monday, February 4th @ 1:00 p.m.	David City - Butler County Events Center, at Fairgrounds
# 5	Thursday, February 7th @ 9:30 a.m.	Lindsay - Village Office
# 6	Wednesday, February 20th @ 9:30 a.m.	Columbus - Ag Park ?
# 7	Monday, March 11th @ 6:00 p.m. ♦	Fremont - Extension Office

# 8	Tuesday, March 12th @ 9:30 a.m.	David City - Butler County Events Center, at Fairgrounds
# 9	Wednesday, March 20th @ 7:00 p.m.	ENREC - Mead (formerly ARDC)
# 10	Thursday, March 21st @ 7:00 p.m.	Columbus - Ag Park ?

? Ag Park classes will be on second floor. Entrance is on south side - accessible by stairs or elevator.

Ten classes

- ◆ "Zoom" class - may allow taking certification class from remote computer for **this date only!** If interested please contact Aaron Nygren at anygren2@unl.edu or Daryl Andersen at dandersen@lpnrd.org before the end of February to receive instructions on how to pre-register for the March 11th class.

On Friday, February 15th @ 1:00 p.m. a special class will be held at the Oak Ball-Room in Schuyler. This class will focus on the Phase 2/3 management areas; these areas have higher nitrogen/nitrate in the groundwater. Producers who live or farm in these areas are encouraged to attend this class as more aggressive ideas to address this ongoing problem will be presented and input/discussion from area producers is needed!

Outside Speakers with expertise will also present.

This class will meet the Nitrogen & Water Management certification requirement.

6.C.2.a.11. Groundwater Rules and Regulations Discussion

Discussion Items

Water Flow Meters - Staff and Committee discussed the issue of the water flow meter requirement for new well permits and variances. Staff has found situations that flow meters have not installed. This information has become easier to track by using the Phoenix Database. Staff will be utilizing the field application in the next few months to investigate all variance applications.

Staff and Committee discussed if water flow meters are needed District wide. How important is it to provide accurate information compared to estimated consumption use when reporting on the IMPs and if future modeling efforts are conducted? The cost and how many meters is still an unknown.

Phase Areas - Staff plans on addressing the requirements with the Committee after more intensive water sampling is conducted by staff in the Summer 2019.

Variances - Discussion on setting a minimum score for variances that can be approved. Staff is planning to go through the complete scoring process with the Committee or Board before proceeding on with the variance discussion.

6.C.2.b. LIVESTOCK WASTE PERMITS

The LPNNRD has received # 2 livestock permit applications from DEQ since the last Water Committee meeting.

Name	Livestock	Type of Permit	Legal Description	County
RA2H Farms	Poultry	New Construction	S½SW¼ 27-14N-8E	Saunders
Cuda Pork	Swine	New Construction	SW¼ SW¼ 28-18N-2E	Colfax

Description of permit application

6.C.3. GROUND WATER PROGRAMS

6.C.3.a. DECOMMISSIONED WELL PROGRAM

6.C.3.a.1. Well Estimates

new wells has been reviewed and approved for decommissioning since the last Committee meeting.

Well Owner	Type of Well	Cost Share Estimate	County
Carol L & Geraldine F. Zimmer	Irrigation	\$804.59	Butler
Donald Birkel Trust	Irrigation	\$1,101.77	Butler
Morbach Inc	Irrigation	\$712.67	Butler

6.C.3.a.2. Plugged Wells

wells have been plugged, reviewed, and ready for cost share payment approval this month.

Well Owner	Type of Well	Cost Share Estimate	County
-------------------	---------------------	----------------------------	---------------

Platte Center Development LLC	Irrigation	\$1,067.55	Platte

6.C.4. LOWER PLATTE NORTH NRD GROUND WATER STUDIES

6.C.4.a. Eastern Nebraska Water Resources Assessment (ENWRA)

Attached is an invoice for \$30,000 for ENWRA dues and the NRD commitment of \$3,400 for the GeoCloud project. A check has been received from ENWRA for \$9,150 for dues credit for 2019.

6.C.4.b. Lower Platte River Consortium

The next meeting, which will be reviewing the comments and final draft, is planned for Tuesday, January 22, 2019 starting at 1:30 pm at Lower Platte South. Attached are the options that were reviewed by HDR and presented at the public open house.

Staff recommends as the initial study is being finalized and the next potential steps are projects, that a Board member act as a liaison or possibly a voting member for this group. Committee commented that Staff can be the voting representative for this group. Information on the proposed projects, as they are brought forward, will be presented and discussed with the Committee.

6.C.5. NEW MONITORING WELLS

6.C.6. GROUND WATER QUALITY SAMPLING

6.C.7. OTHER

6.C.7.a. GMDA ANNUAL CONFERENCE

The conference was held in Phoenix January 7-9, 2019.

6.C.7.b. COMMENTS FROM THE PUBLIC

6.D. Projects Committee - Action as Required

6.D.1. UNFINISHED BUSINESS

No unfinished business to address.

6.D.2. SWCP

Elliott presented the SWCP report as attached.

6.D.2.a. SWCP Application Approvals

None at this time.

6.D.2.b. SWCP Payments

18-B-6 Lazy J Cattle - Terrace/Basin w/ tile outlet - \$12,500.00

18-B-7 Dwayne Lanc - Terrace/Basin w/ tile outlet - \$12,500.00

6.D.2.c. SWCP Cancellations

18-S-10 Ernest Osmera - Grass waterway - \$6,346.91

6.D.2.d. Wahoo Creek Cost Share Approvals

None at this time.

6.D.3. WATERSHEDS

6.D.3.a. Shell Creek

6.D.3.a.1. Shell Creek Environmental Enhancement Plan Implementation

The SCWIG is planning to meet in January to discuss new project priorities for the Shell Creek Watershed.

6.D.3.a.1.A. Tom Sprunk Shell Creek Bank Stabilization/ Wetland Protection Project Update

Mr. Sprunk has received a USACE permit for his Shell Creek Bank Stabilization/Wetland Protection Project. We plan to assist Mr. Sprunk with securing contractor bids and provide construction observation for this project later this year. Our plan is to use NDEQ grant funding to reimburse LPNNRD for our 75% landowner assistance which is roughly estimated at \$30,000 - \$50,000 at this time.

6.D.3.a.2. Cover Crop Event Sponsorship Request

Eric Smith, Platte County NRCS, has organized a Cover Crop Management Day to be held January 16, 2019, at Ag Park in Columbus (attachment) . To cover speaker costs he is asking Platte County NRD's to help sponsor the event They are charging for the event, but that will cover the meal only. LPNNRD has been a past sponsor of similar events. Eric believes the fees for speaker Dwayne Beck are \$600 + expenses, so he is assuming around \$800-\$900 total costs. He has not yet heard from the other

NRD's. While we have money budgeted for these type of events, our plan is to submit the total contribution to NDEQ for 319 grant reimbursement or use banked Shell Creek funds.

6.D.3.a.3. Bailey Levee Project Appreciation Letter

Attached is a thank you letter from Mel and Kitty Bailey for LPNNRD's support and assistance with their completed landowner levee project. LPNNRD provided a total of \$125,000 assistance toward this project with our final payment of \$45,000 being sent in December, 2018.

6.D.3.b. Wahoo Creek Watershed

6.D.3.b.1. Wahoo Creek Plan Development Update & Invoices -FYRA

1. Wahoo Creek Planning Process Update

Janel Kaufman, FYRA, was present to give a current update and answer questions on contract activities to complete the Wahoo Creek Watershed Plan. The original schedule to complete a proposed plan for NRCS review/approval by April 2019, may be delayed depending on additional cultural resource investigations required as a result from Buried Past LLC findings. Janel has placed all available plan information on a SharePoint sight and will begin working on the draft plan narrative soon,

2. December 18, 2018, NRC Meeting to Request Project Scope Change

On December 18, 2018, Elliott, Mountford and Janel Kaufman (FYRA), met with the Natural Resources Commission to request a scope change amendment to our approved NRC funding application of about \$2.67 million. The amendment requested moving Wahoo Creek Dam Site 26 west off the county road and replace it with two smaller dams basically capturing the same drainage and environmental benefits. This amendment also requested moving dam site 27 a quarter mile north to avoid an anhydrous ammonia pipeline and to reduce environmental mitigation costs. These changes reduce total cost estimates for both dams by about \$1.2 million which also reduces our estimated 60% NRC assistance by \$650,000. After a 45 minute discussion and question/answer period, the commission passed a motion to approve the scope change amendment without reducing our original approved funding assistance. This occurred after a failed amendment to reduce our allocation based on the reduced estimates. We asked that the allocation not be reduced at this time until we have a much better idea what the actual final project costs will be. Commission members Jim Thompson (PMRNRD) and Karen Amen (LPSNRD) initiated strong support of the motion that was eventually approved, which was greatly appreciated.

3. FYRA Wahoo Creek Planning Invoice

Janel Kaufman reviewed FYRA's December 28, 2018 invoice totaling \$43,226.75. This invoice and progress report are attached for committee and Board review. Since this amount falls under an approved contract, no Board motion is required at this

time. After this payment, \$243,049.85 will remain unpaid from our initial \$574,990 contract.

6.D.3.b.2. Wahoo Creek Archaeological/Cultural Resources Investigations Update - Buried Past LLC

Todd and Wendi Bevitt, Buried Past, LLC, were present to give a current update on their archeological/cultural resources investigations and to answer committee questions. Seven of the eight site investigations have been completed for sites 55, 66, 77, 82, 83, 84 and 85 with only site 86 remaining. Most of the discussion revolved around site 83 where an ancient earth lodge could be located in the upper temporary flood pool impoundment of this proposed structure. This will likely require additional investigations by state and federal entities to determine the magnitude of the findings and if the areas can be protected from potential negative impacts. There may also be a need for further investigation at site 77 where one or two old pioneer grave sites were reported by a landowner, however nothing official has been discovered as of yet to substantiate this claim. While it is unknown what further investigations will be required, any additional work and related agency review could delay completion/approval of the Wahoo Creek Watershed Plan by several months. In the meantime, NRCS has indicated that design work on sites 26a, 26b, and 27 can proceed as environmental and archeological/cultural resource investigations have been completed. However, design activities on the other eight sites will likely be delayed until issues are resolved and the final watershed plan is finalized.

6.D.3.b.3. Wahoo Creek Watershed Dam Design Process Update - Olsson

Mike Placke, Andrew Phillips and Sean Parks with Olsson were present to give a current update on geotechnical and design activities on Wahoo Creek Dam sites 26a., 26b, and 27. Soil bore location maps and profiles (site 27) were shown and explained. While there is more sampling to be completed, no major problems have been found or are anticipated at this time. While NRCS has indicated that work can proceed on these three sites, geotechnical and design activities on the remaining eight sites will likely be delayed until all archeological/cultural resources investigation issues can be resolved and the Wahoo Creek Watershed Plan can be finalized.

6.D.3.b.4. Wahoo Creek Watershed Water Quality Plan Phase II

We are working with NRCS on wrapping up some Lands for Conservation payments and are still waiting on Saunders County to bring forth a assistance request for some bridge stabilization projects.

6.D.4. Hazard Mitigation Plan Update

We sent out notices to several firms and advertised for Requests for Qualifications/ Proposals for updating our District-wide Hazard Mitigation Plan and completing floodwater assessments for Fremont and Schuyler. Requests were to be received by noon, December 16, 2018. Only one was received from JEO. JEO completed our initial plan and completed our last 5 year update. From what we have learned, most firms do not submit proposals because of JEO's expertise in this

area. They also have or in the process of updating HMP's with our neighboring NRD's that we coordinate efforts.

Attached is JEO's proposal for updating our Plan (\$75,000) and for providing additional services to Fremont , Schuyler and possibly other communities for completing flood risk analyses. Our approved HMP grant will provide 75% reimbursement (\$56,250) on the HMP update, so our local cost would be \$18,750. For the flood risk analysis for Fremont , Schuyler and possibly others, our intention will be to pass on the 75% HMP grant assistance for their analysis and have each community reimburse us for the remaining 25% as outlined through an interlocal agreement. Staff recommendation at the Projects Committee will be to approve JEO for updating our HMP and Flood Risk Analysis for Fremont, Schuyler and potentially others (contingent on reimbursing us 25% of local costs) and to present a contract for approval consideration at the January 14, 2019, Board Meeting.

JEO representatives will be present at the Projects Committee to discuss their proposal.

6.D.5. LOWER PLATTE RIVER CORRIDOR ALLIANCE

No new information to report at this time.

6.D.6. EROSION AND SEDIMENT RULES AND REGULATIONS

6.D.7. OTHER

6.D.7.a. Discussion on Fremont/Dodge County Drainage Issues

As has been reported earlier, Fremont and Dodge County have been approached about improving internal drainage within the City and improving drainage through several ditches north and east of the city. As a result, Fremont has asked LPNNRD to meet with City and County officials on how we can work together on this issue. Earlier indication from a Fremont Tribune News article mentioned that the City and County hoped LPNNRD would take the lead on this issue. Projects, Water and Operations, Education & Rural Water Committees have begun discussions on our potential future role and participation. The general consensus by the committees has been that while LPNNRD will be a likely partner, Fremont and/or Dodge County should take the lead on an eventual drainage project . At meeting has been scheduled for 9:00 a.m., Thursday, January 17, 2019, at the Fremont City Office.

Attached is a summary of some background information and a few thoughts for discussion purposes.

7. Additional Action Items

7.A. SWCP Payment Approval

This contract came in after Committee Meeting:

Dorothy Hladky - \$12,500 - Terraces and Basin

7.B. Nebraska Cover Crop and Soil Health Conference Financial Assistance

The Nebraska Cover Crop & Soil Health Conference is scheduled for Thursday, February 14th at the Eastern Nebraska Research & Extension Center near Mead. The University Extension Educator is requesting \$1,900 for financial support. The monies will be used to support speaker expenses.

8. Approval of Bills Pending

9. Consent Agenda Adoption

10. Comments from Directors/Guests

11. Meeting Establishment/Adjournment

NOTE: The agenda is on file at the LPNNRD office and may be changed up to 24 hours prior to the meeting as scheduled.