



South Platte Natural Resources District

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April 25, 2018

Kent Zimmerman
NDNR Projects Director
Nebraska Department of Natural Resources
301 Centennial Mall South
Lincoln, NE 68509

VIA ELECTRONIC MAIL

Re: WSF 2018 Annual Report #4121

Dear Mr. Zimmerman,

This letter provides an outline of the annual progress report for the WSF Grant #4121 titled Western Water Use Management Model Update (WWUMM Update). The WWUMM Update has made significant progress toward completing several major tasks that include:

- The public outreach portion of the Internal Model Review was completed which included a meeting with presentations.
- Post-adjudication irrigation district or canal company irrigated boundaries were incorporated into the land use dataset back to 1994 using the available data along the North Platte River.
- The land use dataset extension and update is complete which is used in the modeling to determine crop consumptive use, surface water demand, and ground water pumping through 2016 within South Platte and North Platte Natural Resources Districts.
- The task to reconfigure and streamline the modeling databases is complete and will significantly increase the modeling efficiency in completing future updates and analyses.
- The surface water operations model for Western Canal is in the process of being built and has an anticipated completion date of May 2018.
- The North Platte River Tributary field evaluation, analysis, and documentation was completed for small streams that contribute flows to the North Platte River.
- The RSWB modeling extension through 2016 is about 50 percent completed and we anticipate that it will be completed by the end of June 2018.
- The surface water modeling extension is actively being worked on and the anticipated completion date is June 2018.
- The ground water modeling extension and recalibration is being completed and the anticipated completion date is June-July 2018.

The total project budget is \$392,500. To date, the project has \$215,751.36 in expenses of which WSF has contributed \$129,450.82. The South Platte and North Platte Natural Resources Districts have contributed \$86,300.54.

The project is progressing as planned and we anticipate that the project is on track to be completed by June-July 2018.

Please let us know if you have any questions.

Sincerely,

A handwritten signature in black ink, appearing to read "Rod L. Horn". The signature is fluid and cursive, with a long horizontal stroke at the end.

Rod L. Horn
General Manager SPNRD