

Semi-Annual Program Performance Agreement 03FC601826
Improved Hydrologic Data Collection Systems for Drought Monitoring
September 27, 2004

A) Comparison of Actual Accomplishments with Goals and Objectives

Assistance for Republican Irrigation Districts

This category is for funds granted in calendar year 2005. As of the time of this report NDNR has received billing and is paying \$18,000 for H and RW Irrigation District and \$13,700 for Frenchman Valley Irrigation District. Frenchman Cambridge Irrigation District and Nebraska Bostwick Irrigation District have not yet returned signed subcontracts or billings but they are expected soon.

Improved Distribution of Streamflow Information via the Internet

a) Upgrade six Big Blue, Two Platte, six Ord, and four Norfolk gages to DCPs.

This activity was completed during the reporting period and the full budget was expended:

b) Purchase DCS processing tool kit

Work on this item was completed prior to this six month period.

c) Hydrological Data Manager Administrative Package

This item was completed prior to this six month period

d) Server to house hydro manager software and data

This item was completed prior to this six month period

e) Consulting contract on web page upgrade and data collection

Work has not been initiated on this item. This is due to two factors: 1) Difficulties in adoption of the WISKI water data manager software program earlier purchased through drought funds and 2) In house work that has occurred on web application development. In combination these mean that a strong need has developed for software training while we have largely been able to address web questions within house staff. The decision is to be made in the next few weeks on whether to stay with the WISKI program. However, at this time it appears possible or likely that we will stay with the program but hope to spend the funds with permission in this category for specialized training on the WISKI water data manager software. Without that software, the work already done in-house or web development for WISKI would probably be mostly wasted.

Equip DNR with Flow Measurement Equipment

- a) Two ultrasonic flow meters

The order has been placed on these flow meters and we have received an invoice, however, we have not received the flow meters. Therefore, there is no billing included with this document. This has become a very frustrating situation for our agency as the order was placed last spring and the supplier keeps telling us they are about to be shipped. We will hopefully be receiving the flow meters and billing this in the near future.

- b) One dopler meter for the Lincoln Field Office

This item was completed prior to this six month period

- c) Three Aqua Cales

This item was completed prior to this six-month period.

Upgrade Gaging Equipment in the Republican Basin

- a) Five satellite links

This item was completed prior to this six month period.

- b) Walking Bridge at Cambridge and ladder at Medicine Creek

This item was completed during the reporting period. A total of \$2,086.78 was spent during the period. Total expenditures on these items cam to \$2,372.20 out of \$3,500 budgeted.

Meter Cost Share for the South Platte NRD

A total of \$25,187.98 was expended on this item in this period for which 44 meters were installed. This brings total expenditures on this item to \$72,403.78 out of a budgeted \$100,000. The District has received commitments to install meters which would utilize all of the \$100,000. However, there has not yet been time to have all of those meters installed or billed.

On-Site Computer Capabilities for Surface Water Distribution

Work on this item was completed prior to this six month period.

Place a New Gage on the South Platte River near Paxton

Work on this item has been completed.

-Update-Drought-Mitigation-Plan

A total of \$11,511.00 was billed during this period. The subcontractor this item extends to January 31, 2006 and a product should be available at that time.

B. Where Project Output Can Be Quantified. A compilation of the Cost Per unit of Output

This project does not have a cost per unit of output per SE. A number of items were completed at a cost less than originally budgeted.

<u>Completed But Underspent</u>	<u>Amount Left</u>
Walking Bridge Cambridge/Ladder Medicine Creek	\$ 1,127.80
Place a new gage on South Platte near Paxton	10,410.16
Upgrade gaging station	.29
DCS Processing Toolkit	2,500.00
Hydrological Data Manager Admin. Package	798.00
Server to House Hydro manager	660.50
Dopler meter for Lincoln Field Office	12.00
3 Aqua Calcs	1,240.00
5 Satellite Links - Republican	190.00
<u>On Site Computer Capabilities</u>	<u>- 211.14</u>
<u>TOTAL UNDEREXPENDITURE</u>	<u>16,727.61</u>
*04 Lake McConaughy Water set aside	2,689.45
	<u>19,417.06</u>
<u>Expenditures Still Underway</u>	
Consulting Contract on Web Upgrade *	8,500.00*
Meter Cost Share for South Platte NRD	27,596.22
Update Drought Mitigation Plan	13,489.00
Two Ultra Sonic Flow meters	9,000.00
*05 Republican Irrigation Districts 05	137,850.00