

Bureau of Reclamation / Nebraska Department of Natural Resources
Nebraska-Kansas Area Office Conference Room, Grand Island NE
March 18, 2005 – 1:30

I. General Investigation Program

- 1) Lower Republican Appraisal Study (under KS GDP) completed 2004
- 2) Lower Republican Feasibility Study
 - Authorization
 - Appropriations
 - 50% cost share required – Study costs estimate \$1.3 million
- 3) Nebraska Geographically Defined Program (GDP),
 - Frenchman Valley Study - FY06 requested \$128K.
 - Platte River Advanced Decision Support System (ADSS) - FY07 request. *Sept 06*
 - Platte River Conjunctive Use Study - FY 07 request. *- Duane gave them outline*
- 4) Nebraska Technical Assistance to States (TATS) - Status and future work.
 - Pioneer/Riverside Irrigation District
 - Mid Republican. GIS (GCDB and Rubber Sheeting)
 - Rainwater Basin. Vegetation mapping
 - Platte River ADSS Model. FY 05 Research – meeting April 26th
 - Blue River
 - Other requests for FY05/06?
- 5) Santee Feasibility Study - Update
- 6) FY08 Request – Due August, 2005.

II. Water Conservation Program

- 1) Current projects with Irrigation Districts
 - Replacement of open ditch laterals with buried pipe
 - Remote monitoring of diversions and wasteways
 - Water Measurement assistance
- 2) Demonstrations
 - Sub-surface Drip Irrigation – UNL - North Platte
 - Installation in spring of 2005
 - Limited Irrigation Demo – Steve Melvin, Curtis
 - New site in Ainsworth Irrigation District ?
 - Water Measurement and Delivery Service Improvement – Pioneer ID
 - Continuing in spring of 2005

III. Drought Program

1) FY 04 Projects \$897,500 available funding

Title I – Emergency Drought Assistance	\$531,500
Lake Ogallala Oxygenization System	
NGPC – Bio Tek Stuff, Inc.	\$330,000
Installation completed	
Platte River/Lake McConaughy Water Set Aside	
CNPPID	\$ 50,000
\$47,310.59 expended	
Republican Basin Reservoir Carryover	
SW Irrigation Districts	\$151,500

Title II – Drought Planning Activities	\$324,000
DNR Agreement	

Improved Distrib of streamflow data via internet	\$113,500
Flow Measurement Equipment for DNR Staff	\$ 16,500
Upgrade Republican Basin Gaging Stations	\$ 17,000
South Platte NRD Meter Cost Share	\$100,000
On-Site Distribution Equipment for DNR Staff	\$ 37,000
New Gage on South Platte River near Paxton	\$ 15,000
Update Nebraska Drought Mitigation Plan	\$ 25,000

Title II – Drought Planning Activities	\$ 30,000
High Plains Regional Climate Center Agreement	
Automated Weather Data Network Stations	
new stations & upgrade	\$ 30,000

2) FY 05 request

Title I – Emergency Drought Assistance	
Republican Basin Reservoir Carryover	\$169,650
(Swanson, Enders, Hugh Butler, Harlan County)	
Currently being reviewed by Reclamation	

Title II – Pending request from Nebraska DNR	
Meter Cost Share	
South Platte NRD, North Platte NRD, Upper Niobrara-White NRD	

IV. Other Items

- 1) Superior-Courtland Diversion Dam operation / Courtland Automation
- 2) Republican River Basin Conservation Committee
 - 1) Reservoir monitoring installations
Completed in Nebraska
 - 2) UNL Agreement – terraces
 - 3) KSU Agreement - modeling
- 3) Harlan County Safety of Dams – Corps
Environmental Impact Statement
- 4) Republican Irrigation Districts – Water rights mapping

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