

To: Roger Patterson
From: Steve Gaul <sgaul@dnr.state.ne.us>
Subject: Bureau Drought Assistance Proposal Package
Cc: Ann Bleed, Jeff Shafer, Guy Lindeman
Bcc:
Attached: C:\My Documents\SUGGESTED DROUGHT ASSISTANCE PROPOSAL FUNDING PACKAG12.doc; C:\Attachments\2004 real time options.doc;

Roger -

Attached is a potential Drought Assistance Proposal Package totaling \$904,000. There are a number of "ifs" in this package and let me run you through a few of them.

The first "if" is DeWitt. Their original proposal asked for \$1,480,594 for DeWitt, but it appears that only about \$300,000 of that was actually eligible. Their total project cost for all aspects of the water project is \$2.4 million. They have received a \$1.2 million EDA federal grant. They have also received a \$250,000 CDBG grant. They are also applying for or have received a \$1,014,800 loan from the state revolving fund. From what I gather the EDA grant is fairly rare. Sidney has received one of about the same size and David City a smaller one. It does seem that they have already done better on grant assistance than most communities. Jack was definitely still interested on their part. I have entered them for \$100,000 based upon what you said about a third. I'm guessing that would come off of their loan.

The second major "if" is what we may wish to do for real-time stream gaging. For purposes of this budget I have set the amount at \$94,400 because that is about what is left when all other major commitments are taken care of. We are having a meeting on Monday to discuss how to approach this. I have attached a table Guy put together delineating some of our options. If we spent \$94,400 it would probably mean real time. Roger, one option is to cut back on this amount and go into this more slowly. There are a number of levels at which we could fund this. However, its uncertain when funds might be available again. This option was actually the product of combining and adding to some earlier proposals which didn't come to this high a total. I feel like we'll be in a much better position to make a decision on this after Monday's meeting.

Another "if" is the \$15,000 we have allocated to the gage at Paxton. I may have miscommunicated with Tom on this and I will try to talk with him about it tomorrow. It may be that some of the other things we are applying for may help Tom.

Finally, I only talked with Mark Svoboda one time and it is possible the Drought Center could use more money for soil moisture monitoring. Mark would have preferred to talk to someone prior to giving me those figures and I can call him back and see if they want more if you like.

Roger, I'd prefer to talk with you about this for a few minutes before we send something back in. Tomorrow I should know more on the Paxton gage and Monday we should know more on the real-time stream gaging. However, I realize we may need to get it in sooner than that.

**SUGGESTED DROUGHT ASSISTANCE PROPOSAL FUNDING
PACKAGE – 1/22/04***

\$ 100,000	DeWitt Public Water Supply (03)
\$ 125,000	Platte/McConaughy Water Leasing (New - 04)
\$ 150,000	O&M Assistance for Republican Irrig. Districts (New – 04)
\$ 200,000	Meter Cost Share Assistance for South Platte NRD (New – 04)
\$ 65,000	On-Site Computer Capabilities for SW Distribution (02)
\$ 50,000	Value Study to Meet State Line Target Flows on Blues (03)
\$ 30,000	Add to Soil Moisture Monitoring Network (New – 04)
\$ 25,000	Drought Mitigation Planning (02)
\$ 28,200	Upgrade Gaging Equipment in Republican Basin (New – 04)
\$ 21,400	Equip DNR with Flow Measurement Equip. (03 & New – 04)
\$ 15,000	Place a New Gage on the South Platte Near Paxton (New – 04)
\$ 94,400	Improve Dist. of Streamflow Information via the Internet (02, 03, & New – 04)
\$ 904,000	TOTAL

* The numbers in parentheses at the end of each item refer to the year in the item was first requested under the Bureau of Reclamation's Emergency Drought Assistance/Relief or Drought Planning Assistance programs. Because of changing conditions, the totals for a project may not be those originally applied for and some items may have been added to or removed from the original project description. In some instances the request is entirely new and that is noted. In other instances, especially for the final item, it is an amalgam of items applied for in previous years with some new items combined into a different package.

NOAA DCS real time system (complete gage coverage for Cambridge, Lincoln, Ord, Norfolk areas)

<u>Cost</u>	<u>Items</u>
\$33,000	Upgrade Big Blue River gaging stations to DCPs
\$ 9,200	Upgrade two Platte River gages to DCPs (Cedar River Fullerton, Loup Pwr. Cn. Ret.)
\$62,000	Upgrade Ord field office gages to DCPs + four modems for Bridgeport
\$17,200	Purchase new surface water management program
\$17,000	Purchase DCS processing toolkit & web software with installation/training/agreement acquisition
<u>\$13,200</u>	Upgrade four Norfolk stations to DCPs
\$151,600 total	

note: Cambridge field office presently operates 13 gages with DCPs

NOAA DCS real time system (partial gage coverage for Some of Above field office areas)

<u>Cost</u>	<u>Items</u>
\$33,000	Upgrade Big Blue River gaging stations to DCPs
\$ 9,200	Upgrade two Platte River gages to DCPs (Cedar R. Fullerton, Loup Pwr. Cn. Ret.)
\$19,000	Upgrade equipment (9 EDLs at Ord)
\$17,200	Purchase new surface water management program
\$15,000	Purchase DCS processing toolkit & web software with installation/training/agreement acquisition
<u>\$ 3,300</u>	Upgrade one Ord station to DCPs
\$96,700 total	

Telephone/Cellular real time system (partial gage coverage as above)

<u>Cost</u>	<u>Item</u>
\$16,200	Upgrade EDL equipment at Big Blue River gages
\$ 1,000	Upgrade two Platte River gages to telephone
\$21,000	Upgrade equipment (9 EDLs at Ord, 4 modems at Bridgeport)
\$17,200	Purchase new surface water management program
\$ 5,000	Add web software option to above surface water management program (very rough guess on cost)
\$ 800	Add phone line & modem to one Norfolk gage (Beaver Crk. at Loretto)
<u>\$ 5,000</u>	Add modems & phone/cellular service to five Ord gages
\$66,000 total	