

K A N S A S

TRACY STREETER, DIRECTOR

KANSAS WATER OFFICE

KATHLEEN SEBELIUS, GOVERNOR

July 22, 2005

Elvin Hobson President Bostwick Irrigation District No. 2 P.O. Box 165 Courtland, KS 66939-0165

Dear Mr. Hobson:

Enclosed for your review and acceptance is the Memorandum of Agreement between the Kansas Water Office and the Kansas Bostwick Irrigation District No. 2 for Drought Assistance for Increased Reservoir Storage. Please return one copy of the signed agreement to the Kansas Water Office.

If you have any questions, please contact Susan Lee at (785) 296-3185.

Respectfully,

Tracy Streeter, Director Kansas Water Office

CC:

Earl Lewis Susan Lee

> 901 S. KANSAS AVENUE, TOPEKA, KS 66612-1249 Fax 785-296-0878

Voice 785-296-3185

www.kwo.org

Memorandum of Agreement between the Kansas Bostwick Irrigation District No. 2 and the Kansas Water Office

for

Drought Assistance for Increased Reservoir Storage

WHEREAS, drought induced low reservoir levels in Harlan County Lake threaten a variety of uses, including irrigation, fish, wildlife, and recreation; and

WHEREAS, leaving additional storage water in Harlan County Lake during the 2005 irrigation season would help sustain in-reservoir uses as well as provide additional water for the next irrigation season; and

WHEREAS, the Bureau of Reclamation (Reclamation) has approved the State of Kansas for drought assistance in 2005 by authority of the Reclamation States Emergency Drought Relieve Act of 1991;

WHEREAS, Reclamation has approved drought funding assistance to the Kansas Water Office through Cooperative Agreement No. 04FC601939 for a project that will result in additional storage water in drought affected reservoirs in the Republican and Solomon Basins;

NOW THEREFORE, the parties agree as follows:

- 1) The Kansas Bostwick Irrigation District No. 2 agrees to:
 - a) not call for 2005 irrigation season storage releases from Harlan County Lake when the lake drops below elevation 1930.88 (149,159 acre feet)
- 2) The Kansas Water Office agrees to:
 - a) provide financial assistance totaling \$12,000 (utilizing Reclamation Drought Assistance Funds) to the District for leaving 2005 irrigation supplies in Harlan County Lake at levels listed in 1)a) above from the signature date of this contract through September 30, 2005.
 - b) provide payment within 60 days of the signature of this agreement.
- In the event that inflows exceed estimates, both parties agree that releases of storage water may be made for the benefit of the District as long as the lake levels not caused by the District later lower levels, this will not affect the eligibility of the District for compensation.

- In the event that inflows do not meet estimates and the lake levels do not reach the levels noted above, the level of assistance provided to the District will not be reduced.
- 5) This agreement may be modified at any time by mutual agreement of the parties.

KANSAS BOSTWICK IRRIGATION DISTRICT NO. 2

Elvin Hobson, President

Kansas Bostwick Irrigation District No. 2

8/8/05 Date

KANSAS WATER OFFICE

Tracy Streeter, Director

Kansas Water Office

Date



TRACY STREETER, DIRECTOR

KANSAS WATER OFFICE

KATHLEEN SEBELIUS, GOVERNOR

April 18, 2005

Jack Wergin Bureau of Reclamation PO Box 1607 Grand Island, NE 68802-1607 PRES. BH TREAS. GH SUFFS. HV

Dear Mr. Wergin:

Thank you for your e-mail of March 29th informing me of Kansas' approval for assistance under Title I of the Reclamation States Emergency Drought Relief Act of 1991. Kansas was approved for the drought assistance by Commissioner Keys according to the March 3, 2005 to Governor Sebelius.

We wish to have the following project considered for potential assistance:

 Kansas-Bostwick Irrigation District No. 2, Kirwin Irrigation District No. 1, and Webster Irrigation District No. 4 - not call for 2005 irrigation season storage releases from Harlan County Lake, Kirwin Reservoir, and Webster Reservoir

Preliminary cost information regarding both projects is attached.

Please let me know if additional information is needed or if you have any questions.

Sincerely.

Tracy Streeter Director

Attachment

CC:

Alice Johns, Area Manager, Bureau of Reclamation Kenny Nelson, Manager, Kansas-Bostwick Irrigation District Andy Wilson, Manager, Kirwin and Webster Irrigation Districts Earl Lewis, Kansas Water Office

TS:sl

901 S. KANSAS AVENUE, TOPEKA, KS 66612-1249 Fax 785-296-0878

Voice 785-296-3185

www.kwo.org

DROUGHT ASSISTANCE – KANSAS REPUBLICAN AND SOLOMON IRRIGATION DISTRICTS INCREASED RESERVOIR STORAGE CARRYOVER HARLAN COUNTY LAKE, KIRWIN RESERVOIR, WEBSTER RESEVOIR

Background

Declining inflows throughout the Republican and Solomon Basins have significantly reduced storage supplies for Irrigation Districts in Southcentral Nebraska and Northcentral Kansas. These areas have suffered effects of the current drought since 2000.

Harlan County Lake - Natural flows in the Republican River and White Rock Creek and storage water from Harlan County Lake in Nebraska and Lovewell Reservoir in Kansas provide the water supply for project lands of the Kansas Bostwick Irrigation District No. 2. Declining inflows to Harlan County Lake has drastically reduced the Districts' water supply for project areas above Lovewell Reservoir. In 2003, the Kansas Bostwick Irrigation District No. 2 delivered 7.5 inches per acres above Lovewell Reservoir. Water delivery projections for 2004 were 2 inches per acre for project lands above Lovewell Reservoir. The District elected not to utilize the limited 2004 irrigation storage in Harlan County Lake and received financial incentives provided by the Kansas Water Office through the Reclamation States Emergency Drought Relief Act of 1991. In 2005, water delivery projections for lands above Lovewell are 1.0 inches per acre.

Kirwin Reservoir - Natural flows in the North Fork of the Solomon River and storage water from Kirwin Reservoir provide the water supply for the Kirwin Unit of the Solomon Division. Higher inflows experienced in the early to mid 1990s provided the project with a stable water supply. As the inflows have declined since the year 2000, the water supplies have been reduced to the levels experienced in the 1980s. Water deliveries for 2004 were approximately 4 inches per acre. Estimated 2005 water delivery projections for the Kirwin Unit are 1.5 inches per acre.

Webster Reservoir - Natural flows in the South Fork of the Solomon River and storage water from Webster Reservoir provide the water supply for the Webster Unit of the Solomon Division. Higher inflows experience in the early to mid 1990s provided the project with a stable water supply. As the inflows have declined since the year 2000, the water supplies have been reduced to the levels experienced in the 1980s. Estimated water deliveries for 2004 were approximately 4 inches per acre. Estimated 2005 water delivery projections for the Webster Unit are 1.5 inches per acre.

Statement of Need

The recent drought has led to historic low inflows to Harlan County Lake and have returned Kirwin and Webster Reseroirs to the lower storage levels of the 1980s. As lake levels drop, fish and wildlife habit also suffers. Lower lake levels can cause problems such as increased noxious weed and invasive species. As water levels recede the bare soil provides optimum growing conditions for Canada thistle. Salt Cedar is a noxious weed that thrives in arid climates and prefers saline rich/nutrient poor soil. Salt Cedar can have severe impacts on ground water levels, surface water flows, and native vegetation. As lake levels drop, new shorelines spread farther from existing park

facilities. New shorelines are often extremely muddy and choked with vegetation, which reduces opportunities for bank fishing, swimming, dock mooring, etc.

Lower lake levels also caused increased water temperature and lower levels of dissolved oxygen. Swanson Lake (2001) and Harry Strunk Lake (2002) in Southwest Nebraska have suffered major fish kills due to low lake levels. Some have estimated that ½ of the total fish population in Swanson Lake was lost, including many trophy size sport fish. Stocking efforts continue but it will take many years to rebuild the trophy size fishery. Harlan County Lake reached a historical low elevation in 2004.

Irrigation Districts in the Republican and Solomon Basins must decide whether or not to take the small amounts of irrigation storage water in the reservoirs and deliver it to the project lands, or to leave the small storage supplies in the reservoirs for future years use.

Benefits

This assistance will provide the Kansas Bostwick Irrigation District No. 2, the Kirwin Irrigation District No. 1, and the Webster Irrigation District No. 4 with incentives for leaving irrigation storage water in Harlan County Lake, Kirwin Reservoir, and Webster Reservoir for future years use. Saving the irrigation storage water for future years use will result in a higher carryover reservoir level, which would provide fish and wildlife and recreation benefits to the reservoir area.

By choosing to leave the storage in these reservoirs, these irrigation districts are providing fish and wildlife benefits, as well as increased recreation opportunities. The higher reservoir levels will increase visitation to the parks surrounding the reservoirs. The higher reservoir levels also will keep water temperatures cooler and oxygen levels higher, which will be more beneficial to fish populations. In addition, the proposed higher levels will improve shoreline access for recreation.

The Kansas Bostwick assistance proposal (combined with a similar proposed project for Bostwick Irrigation District in Nebraska) will result in an estimated increase in reservoir elevation of 0.6 feet in Harlan County Lake and an estimated 187 additional water surface acres. The Kirwin proposal would result in an estimated increase in reservoir elevation of 3.1 feet and an estimated 194 additional water surface acres. The Webster proposal would result in an estimated increase in reservoir elevation of 2.5 feet and an estimated 189 additional water surface acres.

Budget

Drought assistance for irrigation storage left in reservoirs was computed on a graduated scale. The first 2500 acre-feet left in a reservoir was computed at a payment of \$10 per acre-foot, the next 2500 acre-feet was computed at \$5 per acre-foot, and anything over 5000 acre-feet was computed at \$2.50 per acre-foot.

The Bureau of Reclamation provided estimated irrigation storages for Harlan County Lake, Kirwin Reservoir, and Webster Reservoir for May 31, 2005.

Drought Assistance by Reservoir

	Reservoir	2005 Estimated Irrig. Storage	Drought Assistance		
	Harlan County Lake (KS Bostwick Share)	1,200 AF	\$ 12,000		
	Kirwin Reservoir	3,980 AF	\$ 32,400		
	Webster Reservoir	3,220 AF	\$ 28,600 =====		
	Total		\$ 73,000		
Drought Assistance by Irrigation District					
	Kansas Bostwick Irrigation D	\$ 12,000			
	Kirwin Irrigation District No. 1	\$ 32,400			
	Webster Irrigation District No. 4		\$ 28,600 =====		
	Total		\$ 73,000		



United States Department of the Interior

BUREAU OF RECLAMATION

Great Plains Region P.O. Box 36900 Billings, Montana 59107-6900

GP-3700 ADM-13.00 FEB 11 2005

Mr. Kenneth Nelson Manager Kansas-Bostwick Irrigation District P. O. Box 165 Courtland, KS 67638

Subject: Modification No. 009, to Cooperative Agreement No 99-FC-60-12460, for

Implementation of Water Conservation Measures.

Dear Mr. Nelson:

Enclosed for your records is a duplicate original of the subject modification. This modification reserves additional funds in the amount of \$23,000.00.

Please contact Leatha Frost at 406-247-7818 if you have any questions regarding this matter.

Sincerely,

Kimball Banks

Financial Assistance Officer

Enclosure

34e7-2278(02-02) Bureau of Reclamation

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF RECLAMATION

MODIFICATION OF ASSISTANCE AGREEMENT

		PAGE 1 OF
1. MODIFICATION NUMBER	2. TYPE OF AGREEMENT	3a. AGREEMENT NUMBER 9-FC-60-12460
009	[] GRANT [X] COOPERATIVE AGREEMENT	3b. AGREEMENT DATE 05/11/99
4. ISSUING OFFICE (NAME, ADDRESS)	5. RECIPIENT (NAME, ADDRESS, TELEPHONE)
Bureau of Reclamation Great Plains Region P.O. Box 36900		Kansas Bostwick Irrigation District No. 2 P.O. Box 165 Courtland KS 67638
Billings MT 59107-6900		DUNS #: EIN #:
6. ADMINISTRATIVE POINT OF CON Leatha Frost Bureau of Reclamation Great Plains Region P.O. Box 36900 Billings MT 59107-6900 (406) 247-7818	TACT (NAME, ADDRESS, TELEPHONE, E-MAIL)	7. RECIPIENT PROJECT MANAGER (NAME, ADDRESS, TELEPHONE, E-MAIL) Kenneth Nelson, Manager Kansas Bostwick Irrigation District No. 2 P.O. Box 165 Courtland KS 67638 (785) 374-4514
8. TECHNICAL REPRESENTATIVE (A	IAME, ADDRESS, TELEPHONE, E-MAIL)	9. EFFECTIVE DATE OF MODIFICATION See Block 18a
Jack Wergin, Hydraulic Engine Bureau of Reclamation, Nebra P.O. Box 1607, 203 West 2nd Grand Island NE 68802-1607 308 389-4622, ext 209	aska-Kansas Area Office	10. COMPLETION DATE OF AGREEMENT December 31, 2006
11. THIS SUPPLEMENTAL AGREEMI Fish and Wildlife Coordina It modifies the above-numbered assistance a		TTY OF
12. FUNDING INFORMATION	RECIPIENT/OTHER RECLAMATION	13. REQUISITION NUMBER
THIS OBLIGATION \$ PREVIOUS OBLIGATION \$	\$ 23,000 \$116,500.00	14. ACCOUNTING AND APPROPRIATION DATA
TOTAL OBLIGATION \$	\$139,500.00	A10-0271-NK01-001-00-0-0-411C-6B30200
COST SHARE RATIO	% %	
Notice of Additional Reservation hereby reserved to cover payor	n of Water Conservation Measures. on of Funds: In addition to funds previonent of all earnings by the recipient thro	ously reserved under the above agreement, an additional \$23,000 is ugh fiscal year 2005. Total funding is now changed from \$116,500 to oligation to provide funds in addition to those reserved in writing.
Except as provided herein, all terms and conc	litions of the document referenced in Block 3, as heretofore	e changed, remain unchanged and in full force and effect.
16. RECIPIENT IS, IS NOT	XX , REQUIRED TO SIGN THIS DOCUMENT A	AND RETURN COPIES TO THE ISSUING OFFICE.
17a. Acceptance of this Modification and conditions contained herei above-named recipient	in accordance with the terms in is hereby made on behalf of the	18a. Acceptance of this Modification in accordance with the terms and conditions contained herein is hereby made on behalf of the United States of America, Bureau of Reclamation
ву	DATE	BY Jul DATE 2-11-05
17b. NAME, TITLE, AND TELEPHONE	NUMBER OF SIGNER (Type or print)	18b. NAME OF GRANTS AND COOPERATIVE AGREEMENTS OFFICER (Type or print)
Additional signatures are attached		Leatha Frost Grants and Cooperative Agreements Officer (408): 947-7818

DOUMENTS INCORPORATED HEREIN BY REFERENCE:

STANDARD FORM 270

REQUEST FOR ADVANC				PAGE OFPAGES		
OK KEMIDONSEME	1. TYPE OF PAYMENT REQUESTED	a. AX@ one or bo		IMBURSEMENT		BASIS OF REQUEST
(See instructions on back)	Direct Deposit	b. AX0 the applicable box []FINAL [XPARTIAL			[] ACCRUAL	
3 FEDERAL SPONSORING AGENCY TO WHICH THIS REPORT IS SUBM	AND ORGANIZATION ELEMENT ITTED		4. FEDERAL GRANT OR OTHER IDENTIFYING NUMBER ASSIGNED BY FEDERAL AGENCY			5. PARTIAL PAYMENT REQUEST NUMBER FOR THIS REQUEST
BUREAU OF RECLAMA	TION	99-	-FC-60-1	2460		
6. EMPLOYER IDENTIFICATION NUMBER	7. RECIPIENT=S ACCOUNT NUMBER OR	8 PERIOD COV	TERED BY THIS I	REQUEST		
48-6085927	IDENTIFYING NUMBER	FROM (month, d	FROM (month, day, year) TO (month, day)			9-30-05
RECIPIENT ORGANIZATION		10. PAYEE (Wh	ere check is to be s	ent if difference from	item 9)	
	Bostwick	Name :				
Number P.O. Bo		Number and Street :				
City, State and ZIP Code: Courtla	nd Ks. 66939-165	City, State and Zip Code :				
1. COMPUTATION OF AMOUNT O	REIMBURSEMENT/ADVANCES REC	QUESTED				
PROGRAMS/FUNCTIONS ACTIVITIE	3> (a) 48.9 Pipeline	(b)		(c)		TOTAL
Total program (As of date) Outlays to day	s 0.00	\$		7 (\$ 0.00
o. Loss: Cumulative program income	0.00	Se	int to	Jack		0.00
Net program outlays (Line a minus linb)	0.00	a	18-05	Jack	1	0.00
d. Estimated net cash outlays for advance Period	23,000.00					23,000.00
e. Total (Sum of lines c & d)	23,000.00					23,000.00
f Non-Federal share of amount of line e	9,00					0.00
g Federal share of amount on line e	23,000.00					23,000.00
h. Federal payments previously requested	0.00					0.00
I Federal share now requested (Line g minus line h)	23,000.00					23,000.00
j. Advances required by 1st mo	nth					
Federal grantor agency for use in making 2nd m	onth					
prescheduled advances 3rd m	nth					
12 ALTERNATE COMPUTATION F	OR ADVANCES ONLY					
a Estimated Federal cash outlays that wi	be made during period covered by the adva	nce				\$ 23,000.00
b. Less: Estimated balance of Federal ca	n on hand as of beginning of advance period					
c. Amount requested (Line a minus line						s 23,000.00

Prescribed by Office of Management and Budget Cir. No. A-102 and A-110

	Standard Form 270 (cont=d)	
13. CERTIFICATION		
I certify that to the best of my knowledge and belief the data on the reverse are correct and that all outlays were made in accordance with the grant conditions or other agreement and that payment is due and has not been previously requested.	SIGNATURE OF AUTHORIZED CERTIFYING OFFICIAL	DATE REQUEST SUBMITTED 2-18-05
	TYPED OR PRINTED NAME AND TITLE Kenneth Nelson	TELEPHONE (AREA CODE, NUMBER, EXTENSION)
	Superintendent	785-374-4514
This space for agency use	3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	

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agreement.

Public reporting burden for this collection of information is estimated to average 60 minutes per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0004), Washington, DC 20503.

PLEASE $\underline{DO\ NOT}$ RETURN YOUR COMPLETED FORM TO THE OFFICE OF MANAGEMENT AND BUDGET, SEND IT TO THE ADDRESS PROVIDED BY THE SPONSORING AGENCY.

INSTRUCTIONS

	1143	ractions
leas	e type or print legibly. Items 1, 3, 5, 9, 10, 11c, 11c, 11f, 11g, 11i, 12 and 13 are self-explanate	ory, specific instructions for other items are as follows:
em	Entry	
	Indicate whether request is prepared on cash or accrued expenditure basis. All requests for advances shall be prepared on a cash basis.	<u>Item</u> Entry
	Enter the Federal grant number, or other identifying number assigned by the Federal sponsoring agency. If the advance or reimbursement is for more than one grant or other agreement, insert N/A; then, show the aggregate amounts. On a separate sheet, list each	subcontractors and subrecipients. For request prepared on an accrued expenditure basis, outlays are the sum of the actual cash disbursements, the amount of indirect
	grant or agreement number and the Federal share of outlays made against the grant or	expenses incurred, and the net increase (or decrease) in the amounts owed by the recipient for

Enter the employer identification number assigned by the U.S. Internal Revenue Service, or the FICE (Institution) code if requested by the Federal agency.

This space is reserved for an account number o other identifying number that may be assigned by the recipient.

Enter the month, day, and year for the beginning and ending of the period covered in this request. If the request is for an advance or for both an advance and reimbursement, show the period that the advance and reimbursement, show the period that the advance will cover. If the request is for reimbursement, show the period for which the reimbursement is requested.

- ote The Federal sponsoring agencies have the option of requiring recipients to complete items 11 or 12, but not both. Item 12 should be used when only a minimum amount of information is needed to make an advance and outlay information contained in item 11 can be obtained in a timely manner from other reports.
- The purpose of the vertical columns (a), (b), and (c) is to provide space for separate cost breakdowns when a project has been planned and budgeted by program, function, or activity. If additional columns are needed, use as many additional forms as needed and indicate page number in space provided in upper right; however, the summary totals of all programs, or activities should be shown in the "total" column on the first page.
- Enter in "as of date," the month, day, and year of the ending of the accounting period to which this amount applies. Enter program outlays to date (net of refunds, rebates, and discounts), in the appropriate columns. For requests prepared on a cash basis, outlays are the sum of actual cash disbursements for goods and services, the amount of indirect expenses charged, the value of in-kind contributions applied, and the amount of cash advances and payments made to

expenses incurred, and the net increase (or decrease) in the amounts owed by the recipient for goods and other property received and for services performed by employees, contracts, subgrantees and payees.

- 11b Enter the cumulative cash income received to date, if requests are prepared on a cash basis. For requests prepared on an accrued expenditure basis, enter the cumulative income earned to date. Under either basis, enter only the amount applicable to program income that was required to be used for the project or program by the terms of the grant or other agreement.
- 11d Only when making requests for advance payments, enter the total estimated amount of cash outlays that will be made during the period covered by the advance
- 13 Complete the certification before submitting this request

KANSAS BOSTWICK IRRIGATION DISTRICT NO. 2

Phone (785) 374-4514 Fax (785) 374-4305 E-Mail: kbid@courtland.net 528 Main Street PO Box 165 Courtland KS 66939-0165

ELVIN C. HOBSON, Pres. Courtland KS 66939 Phone 785-361-4863 GARY L. HOUSHOLDER, Treas. Scandia, KS 66966 Phone 785-335-2895 BRAD D. PETERSON, SEC. Courtland, KS 66939 Phone 785-374-4330

KENNETH E. NELSON, Supt. Courtland, KS 66939 Home Phone 785-374-4283 Bus. Phone 785-374-4514 DOUGLAS G. SIMMS, Attorney Belleville, KS 66935 Phone 785-527-5316

1 September 2005

Susan Metzger Kansas Water Office 901 S Kansas Ave Topeka KS 66612-1249

Dear Ms. Metzger:

As per our Memorandum of Agreement for drought assistance signed by our Board President Elvin C. Hobson on August 8, 2005 would you please forward \$12,000.00 financial assistance to complete the agreement. We truly appreciate your assistance in this matter.

Sincerely,

Kenneth Nelson Superintendent

enclosure

KANSAS BOSTWICK IRRIGATION DISTRICT NO. 2

Kenneth E. Nelson, Supt. Courtland, Ks 66939 Home Phone (785) 374-4283 Bus. Phone (785) 374-4514 PO BOX 165/528 Main Street Courtland KS 66939-0165 Fax (785) 374-4305 E-Mail: kbid@courtland.net

19 January 2005

Randy Jackson Bureau of Reclamation PO Box 25007 Denver CO 80225

Dear Mr. Jackson:

Please accept this 2025 proposal on behalf of Kansas Bostwick Irrigation District and Bostwick Irrigation District of Nebraska. If there are any questions or need for further material please contact me at the address on this letter head.

Sincerely,

Kenneth Nelson Superintendent

enclosures