

8-9-2006

RREA Working Session cont.

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Pope, Bledsoe & Simpson will draft & send a letter in support of HR 4750 & suggest drafting the same bill on Senate side

Technical Science Funding - Gwen Thon wants KS, NE & CO to support their application if Interior calls for input. Gwen Thon will check if letters of support from the States would be useful

Go Engineer Committee Report & Discussion
Manual Accounting
NFR → Legal review

Possibly offer two sets of data
1 - w/ NFR above Harlan
2 - ~~the~~ NFR whole basin

Neg. Impacts - noted

Irrig. Recharge work study -

Barfield mentioned "system" recharge, but should it really be referred to as field recharge?

We have agreed to formulate a study and need to move on & get it designed.

Interstate Transfer Issue -

moving along, but need more work

Interstate XFER discussion continue -

Justin thinks proposed reg. would potentially usurp state & local authority to promulgate & enforce laws regarding permitting water use.

Pope - how can a MoU have the same forceful result as a Compact Regulation Will be handed to the newly appointed legal committee.

Harlan County Evaporation -

1) Need a formal resolution to adopt the existing manual language for 50 days before when there is no release method from Harlan County Lake.

2) Additional HCL split issue when one state takes the storage release, KS doesn't think they should have to take all the evap. change. KS recommends that we have a forward process to resolve the matter in a timely manner. KS wants to get it done before Nov. 15, 2006 - resolution

Law Standard: 01927 - bottom of page 100

Documenting the CREP & EQIP acres should be a formal process for the committee.

Ken thinks it should be a part of the manual not part of the Accounting Procedures. Adjourned 5:30 PM

RRCA Working Session

August 9, 2006 2:15 PM

A. Conservation Study

Scott Gwenther - 2nd Annual Rpt. Conserv. Committee

General Overview

Neb + KS will develop area - capacity tables for remaining reservoirs that don't have

Land terraces will be inventoried - NE will be done in remainder of 2006-2006

32 reservoirs monitored - Brad Edgerton & Scott Ross

Letter was sent for USBR assistance

Pilot Study:

10 terraces on Prairie Dog Cr. & 10 terraces

on Medicine Creek in Frontier County

this info. will be used to expand study to rest of basin

Detailed field investigation - Derroll Martin + Jim Koelliker

Derroll - ① Terraces help improve crop ET in bottom of channel & increase recharge

② It takes 1/2 week to map a field of terraces

Jim Koelliker

POTYLDR - water budget model operates daily using a single precip. station, field level model - will use GIS to integrate different characteristics of fields across the basin
"HRU" - hydrologic response units

Anderson Level 2 Land use Classification is used
in Medicine Study

Soft-Loam Soils ~ 15% of land area, but up to
25% of potential runoff in drainage
in Medicine Creek Drainage

There is no current model that simulates water budget
of a terrace system therefore Koelliker
& Martin are developing one
(See Terrace X-section Budget)

* Terraces may not use much water

Dean Eisehaar is working on detailed terrace
performance analysis for open-ended
terraces during rain events (5-min. interval)

B. Lower Republican Appraisal - Done

Now need Congressional authorization for a Feasibility Study

Barfield - House of Rep. BM has been introduced

HR 4950 by Moran of Kansas & Osborn of NE

No action from Senate Yet - ? How do
we get Senate action going

USBR - Alice Johns has gotten questions regarding
cost of study from Washington

Each State needs to establish point of contact
at each Congr. or Senate office + one
person at each State:

Kansas - Barfield

Nebraska - Bleed

Colorado -

Nothing will happen while Congress is in recess in August

Annual RR CA Meeting

Phillipsburg, KS Huck Boyd Center 9:00 AM

agenda 1 Intro. by David Pope, David Bonfield, Lee Rolfe, Scott Ross
Hal Simpson, Ken Knax, Pete Ampe, Megan Sullivan
Ann Blood, Mike Thompson, Pam Anderson, Brad Edgerton,
Justin Lalone

Jim Putnam Ures KS

Ashley Koresal - } Colorado GW
Kim Kellih } Cons. Dist.
David Robbins }
Stan Murphy }

Allan Toole COE

Kenny Nelson

Roy Patterson

Don Folker

Mike DalKen

Ralph Best

Merv Brown FCID

Bob Andrews

Bill Peck

Jack Wergin

Merv Swank

Alice John

Norman Nelson Almena

Steve Cox

Jim Koelliker

Einger Jensen

Bill Ko Wray }

Kirk Sauer CO }

Nelson Trumbly

Mike Lewis

Jasper

John Thordum

Ray Wenz

Brad

Dave Wilson } WRA

Stan Holmes }

Scott Swenther

Pat ? USBR Billing

Bob Merrigan 2

Dan Smith

Dennis

Item 2 - 3 ayes

Item 3 Previous Minutes Approved 3 Ayes

Item 4 Chairman ~~to be discussed~~ Report

Pope - Unprecedented water Admin due to droughty conditions

Legislation:

Irrigated Land Retirement

① water Rights Transition Assistance Program
Priority Areas in Law:

(a) Prairie Dog Creek

(b) Rattlesnake Creek - Ark Basin

State \$ 1.1 million for first of 5 year pilot

② FSA CREP proposal w/ additional state incentive for permanent retirement

Upper Ark. River Area

So far \$5 state funds

Still looking at regulatory options

KS Dept of Wildlife + Parks \$ - Keith Sebelius
Reservoir contract to maintain Reservoir
for Fish Wildlife + Rec. with Altona
Irrig. District (Prairie Dog Creek)

NW KS - Totalizing meters required for upland wells which is in addition to alluvial wells which were previously required

Barber & Sappa

P. Dog Creek working w/ NRCS EQIP incentive payments for dryland conversion with state water right incentive to not cancel if they volunteered

Item 5A Hal Simpson - worse than 2002 dryness

WRAY 2005 21" above avg.

Burlington 2005 16" avg

but the N Fork gage was low

S. Fork - 0 flow

Arikaree - 1100 AF - very low

2005 Adj. allocation - CU \approx - 10,000 AF

but current allocation is about 1/2 of avg. historical

Conservation District has been active (\$5.50/acre)

CREP approved 24,000 acres signed up \rightarrow within 1 mile gets more \$
out of \$30,000

EQIP 6,400 acres

Total 60,000 Acres inclg

up to 3 mile gets a little extra too.

Petitioned GW Commission to untestgate Aquifer Area - hearing to come

Pioneer has appealed administratively

2000 wells shut down on S. Platte River
because they couldn't find augmentation
water

Item 5 b

Ann Bleed's report

Drought ~ 8 years
Streamflow is way down
Reservoirs are way down

No major ^{Action} Unicameral, some clean-up of LB962 law

Integrated Management Plans are being worked upon

10 WRDs are in fully appropri area with
a temp. suspension of well drilling

\$1.2^{mill.} for technical assistance + 3 positions
\$2.5 mill. for Integrated Management Technical
support of WRDs involved w/ IMPs

CREP ^{National} program next week in Neb

100,000 Acres^{allotted}, 39,000 acres on Republican
so far

EQIP program - new permanent retirement
with State & NRD contribution
of additional \$375 plus NRCS orig.
\$300/acre for 4 yr.

\$2.5 million for NE Bartwick to Fargo Harlan
Co. water so KS Bartwick got 4 inches

F.V.I.D. \$400,000 \approx 2,000 AF

Riverside Canal \$100,000 \approx 2,000 AF w/help from MRNRD

Jasper Fanning - URNRD allocation since 1975
2005. 13.5" x 3.

Will be involved in retirement of EQIP & other
district level activities to be announced

Dan Smith MRNRD - 1998 monitor on
wells & acres, certified
uses 39 inches/3 yrs.

New EQIP participant \approx 2600 acres
Fact Sheet will be distributed

Mike Clements LRNRD - handouts fact sheets
36 / 33" over 3 years

Twin Valley Weed management

450 acre salt cedar helicopter
spray operation

3 - 1 mile stretches of riparian management

2500 acres in EQIP? in 2005 ← need to check

2,538 Acres in ~~CRP~~ CRP

John Thorburn - Certified Acres are locked down since 2004 tied

179,000 acres certified

Flow meters if > 15 acres irrigated

2/3 wells metered in 2005

11.5" / acre in 2005

43 observation wells (no mention of State providing #)

also Twin Valley Weir manager participant

Brad Edgerton - See Brad's written report

Item 6 - Federal Reports

a. Bureau of Reclamation Alice Johns

Managing for Excellence - 41 action items

www.usbr.gov - comments welcome

Water 2005 - conflict resolution

(a) 10.8 miles → buried pipe NBTD

(b) KS DWR lower Rep. Basin live

diversion data information

Next ~~year~~ 3.6 miles - Superior Canal buried lateral

Drought Act extended through 2010 drought planning assistance from KS & NE (Remote Sensing)

Water Conservation - buried pipe continues remote monitoring

Lower Rep. Appraisal I.S. Done
Lower Feasibility Study is being pursued in Congress

FU Appraisal Study - ongoing
Technical Assistance to States - Prairie Dog
GIS project

Sept. 27 party at McCook office

Marv Swanda - ^{see paper} Report

Item 6 b. Corps of Engineers Report
Allan Toole KS Dist. COE

H.C. Dam Safety Study May 16 Public
Meeting in Franklin Nebraska
Spillway Gate Design - may not be strong enough
Flood Event Readiness

Concrete Spillway structural Issues
3 out of 30 segments

Interim Operating Plan is being used
Early 2007 Report will be Released
March 1, 2007 - draft op. plan for?

Kansas River Water Routing Model is a work in progress
Incl. Rep. d.s. of HCL (Riverware)
will add an economic process model to
interface with river ops. model

Phil Soenkse - USGS NE Handout

Jim Putnam - USGS KS Handout

Admits more low flow measurements

Item 6 a. Engineering Committee Report + Accounting

David Barfield - Eng. Comtee. Report - see typed report

Accounting (1) User's Manual draft by Kansas

(2) Compact Accounting

NFR issue is still open

(3) Irrig. Return flow - KS wants a more

common method of computing

return flows between the states

They don't think 20% is the appropriate

number - discussions continue

(4) Interstate Transfer procedure or regulation

Other Matters

1. Harlan County Lake evap when no state takes water - want a formal adoption of July 27 Acctg. Procedures

2. HCL split when only one State takes water - KS doesn't want to take all evap. for 2006 - Nov. 15, 2006 recommended deadline

3. EQIP & CREP Adjusted Acres Procedures Reporting Issue

Recommended Eng. Cont. Assignments
 (1) - (7) See print out

Report Accepted (3 Ayes)

Accounting Procedures Harlan split language
 for when no one takes water -
 Change Accepted (3 Ayes)

Item 6.b. Conservation Report

Scott Guenther - Status Report

Highlights - (A) Data Collection ^{Martin}

(B) Hydrologic Water Balance Component ^{Koelliker}
 water particle tracing exercise

Nebraska has a terrace inventory

KS is being developed

CO is to be done

Models are being reviewed - will be tested

on P. Dog Cr. & Medicine Cr. - in 2006/07

Letter was sent to support detailed terrace

analysis on a few fields; working with NRCS

Study is closely matching schedule in most areas

Item 7a Unfinished Business - Interstate Transfer Reg
 proposal - Attorneys are being consulted

(L) Pope is asking Lee Rolfe to summarize their
 discussions - ^{did} not resolve issue, but they might
 draft a resolution that is simple but would
 describe the core concept of cooperation in permitting

Resolve by November 15

(ii) NFR Evap. below HCL - should it be controlled by FSS or is Accounting Procedure

Attorney Suggestion:

An exchange of confidential letters or briefs will be done possibly with confidential court ordered settlement information & hopefully resolve by Nov. 15, 2006

Simpson Recommend ^{motion} an ad-hoc Legal Committee that will disband after assignments are completed
The two assignments are (i) & (ii) above

(3 Ayes)

Pete Ampe, Pam Andersen, Lee Ralfs

Item 8 New Business

Item 8a - Harlan County Evaporation Split →
8b - Engineering Center, Assignments ←

Recommended Assignments are accepted (3 Ayes)

Item 8C Compact Compliance

• Pope - recognizes a lot of activity has been accomplished, but the accounting report is cause for concern.

Recognize time & money spent by NE & CO

KS expects to see more & more, because we still have a problem

CU continues to exceed allocation by substantial amounts

104 KAF for NE

35 KAF for CO

Numbers don't show a lot of change even though

Now we have a water short year with 42 KAF already over for NE which would take a lot of reduction by end of 2006

KS is using 50 KAF/yr for last 3 years

which is less than allocated, but we haven't had the water physically available <1"

KBID 6-8", but very little ^{above} Lovell

2006 KBITD 3-4" above

KBITD 6" below

These are "way less" than a full supply

D. S. of Hardy the River continues to be low or dry - very short supply for users

Concordia + Clay Center stretches of River are low

Old SW permits are not satisfied

"Very difficult for our people"

Settlement was hopefully going to resolve the KS perceived problems of the past

We recognize we are experiencing drought, so we expect the shortages to be shared too.

Excess uses in upper part of basin has a severe effect downstream + they hoped that wouldn't occur.

Kansas wants its share of water, that is what they have always wanted.

Our multi-year process is nearly end of first phase.

Got April 30, 2006 letter outlining what ~~was~~ would ~~be~~ ~~done~~ ~~actually~~ be done.

Expect Second Letter outlining what actually occurred

Pope wants everyone to recognize that what we are seeing is not all drought related, we know pumping also would affect ~~the~~ streamflow

He wants to hear from NE & Co what we are going to do regarding

Bleed

Gov. Heineman supports legislative \$ to work on problem NRS have also participated

GW system has a lot on inventory

Simpson

CREP benefit evaluation using GW model

N. FK. - working on enhancing stream flow

slow movement of GW makes it difficult

to address given lack of streamflow

Pope year 3 of 5, look back a drawing board & see what else can be done

new Business

Item 8 — Lower Republican Study Support
Letter — bleed drafted to send House of Rep.
for 3 states (HR 4250)

Motion to finalize + send letter (3 ayes)

Item 9 Remarks from the Public — None

Item 10 Future meeting Arrangements
Junction City early August — Aug. 9, 2009

↓

Official Compact Meeting
★ Motion for moving Post July — Actually need a letter

Item 11 Adjournment (3 ayes)