

**STATE OF NEBRASKA**

**DEPARTMENT OF NATURAL RESOURCES**

P.O. Box 94676

Lincoln, Nebraska 68509-4676

29-01-00

*Ann's Note*

2/25/07  
①

Jim Schreider  
model OK

Good pumping use meter records in 2006  
- Power records sensitive to # wells  
pumping

Total Basin wide  
Power Rec 7/10 → meter records

MRNRD  
LRNRD

link well Ids + volume

5,888 wells  
NRD pump = 97% of power.

Overall volume

MRNRD - 93% of Power Record  
LRNRD - 80% of Power Record

LRNRD
239,000 AF
192,000
47,000

25% of well in alluvial not pumped  
15% " " " " Upland " "

\* Final QC need to document when have  
O or no accept for well.

\* Will test with model

Log from wells - power records

2/15/07  
②

850 wells pumped 0-30 cf.

⇒ discrepancy of methodology. But do  
actually have wells that only pump.

Augmentation CM not done

9 well sites - pick where could  
sink high capacity well + get cost  
of pipe to wet stream.  
possible for 2008. - Before 28<sup>th</sup>

Cambridge ethanol plant

JF will have to offset water & w  
& will have to buy out some nearby  
air wells.

Dan Dam on Fox Creek

Fees - per acre fee vs. property tax

Agree local match + would be  
matched by State

Give PRD authority extend authority  
permissive not mand  
sued by blm/mt activities

OK.

Money = 1/2 years away

(3)

vegetation mgmt

Med to Chusqueana

way bill written = unlicensed  
mandated

Using, uses Twin Valley herb

\$ 20/acre      \$630,000 - 2.5 w - 42 miles  
per treatment - 60 miles  
non-selective

then prevent regrowth thru  
grazing mgmt - NOT practical  
would

\$120,000 per 42 miles  
200' wide

\$ 100,000 - 200,000 / year to maintain / year

Ball \$744,000 / yr 1  
200,000 per after

Law - County weed control - can publish  
general authority to spray.

Wetson - if plow channel would  
need 404 permit

42 mi x 2.5 mi  
= 105 mi<sup>2</sup>

5000

5000

10% reduction pump

8

after three years 3800 AF  
+ reduction.

8000  
~~9,500~~ 9500  
11,000

2005 33,805  
24,214

15%<sup>9</sup> 25%

26,000

in - 3 to 5 years

pump

3000

21,000

Regulation

15 - 50 = 21,000  
15,000

24,000

3 - 5 years.

98-2002 for surface water  
05

reduced by 57%

Phase in 15% reduction pump in few years

regress 98-2002 - with new

197  
19  
188

Give you pumping volumes.  
I have County specific depth.

QR	A		
CR	72,159	124,890	197,044
M	62,310	151,537	213,
G	39,444	257,217	416,000

Surface water buyouts

28,000 AF Frenchman Cambridge.

10,000	10,000
<u>19,000</u>	<u>28,000</u>
24,000.	28,000

FC

8.5 million ~~AF~~ 500/acre

17,000 acres.

Is a contracting process to make fees work  
Is not an authorized use -  
not quick and simple

Perhaps Lake View  
COE

2000 Riverside

5000 AF

Boatwick NF.

sw buy out

Next allocation - same w/ Q.R. in each NRD

88-91 -  $\approx$  current modeled acres

Drought Scenario	25,000
Normal	

95  
90

Set allocation base on %.

- sw buy out necessary to keep sw users  
from taking water.

sw buyout -

each district raise \$1  $\bar{c}$  inc  
fee

spring  
channel  
2007

State \$ go to district in proportion  
to \$ put in by district.  
How we deal  $\bar{c}$  short term drought in  
long term prev

Could buy out No Best

⇒ 14,000 HC Shut off = 28.8

Pass thru Hulan so get less evap.  
June - on Kansas Bestwick

assuming COE + NEPA not a problem  
Answer by Mar 1.  
we would need contract?

8000? FV same as Riverside

to Bestwick.

stand down & use canal  
sell material flows. aswes

Calcs on conveyance loss end by end next week

If any likelihood of doing - send out notice  
next week.

\$10/ac fee in URNRD = 4 million

March 9<sup>th</sup> get answer to Fern Camp

FPA - assign units & benefits to 100 ac + lot +  
vol unit

Best est  
or  
30. act.  
compliance  
to URNRD

## Tasks

- ① Jim's chart
- ② Run model @ actual meter pumpage
- ③ Benefits - see  
40- is it def  
new wells o/y

① The NRDs recognize that there is little opportunity to receive significant levels of funding from State sources but desire that some level of matching funds be provided.

② The NRDs recognize that local funding cannot adequately fund the potential program that may be needed to fund our I M.

③ The NRDs wish to have the legislature extend the <sup>3<sup>d</sup></sup> authority provided in LB 1226. It will probably be necessary to increase the authority.

1  
1/25/07 - 1/25/07

Kery Blankard URL  
Stan MRW  
Marty Shuer  
Ben Loomis  
Josh  
Bel Bu  
LR Toby Tienes  
Brad Wolf

Told Larry Bave - Fossil  
if we had proper plan in  
place I would ask  
Gov for ~~money~~ <sup>to help some</sup> but  
plan includes regulation.  
1/26/07

RL

How to protect water

GW reg to lower DU regulate pump

~~GW~~ from capture SW diversities

GW reg is complicated due to lag effect.

on existence

Equal protection - regulate SW -

Equation of R + upland

Channeling river (not just vegetation)

Weather modification

2007

Brad

Should think about cutting back 2007, allocation

Jesse Fuks lost confidence in predictability -

Incentive plan to reduce pumping this year. -

ability to carry over base allocation = incentive

Public regulation with irrigators - need education.

Harry Over

River channelization

1/3 lake - 137,000

Section 404 - not clear if need permit for vegetation  
migratory Bird deaths act.

Sent letter to RR.

NAAS - used to distribute recharge = proportion of amount

Use (Goal is to use M+L meter data & this year.  
data over records) (ESA as been) unyated

Work forward

RW. Baul MP 3.5"  
Camb 8"

Buy out \$

estimate of benefit in credit  
Credit for Bostwick = 14,690 AF Riverside  
Colbertson

Release 15,000 + 50% got to state line  
+ reduced CV

Buy out Kansans Bostwick.

Could deliver water 2007 - potential  
How much <sup>water cap.</sup> delivery 20,000 - 25,000 AF  
4-5000 H13  
sum - 30, 35,000 AF  
How much get to HC.

COE?

1/25/07

Augmentation - Chris Miller

FD several areas where could augment  
+ headwater Spring creek.

Picked 9 sites to crunch numbers  
(second round)

Dedicated well fields - to use in short term

Plumbing - existing wells - costly

Reduce exist uses in area to offset.

See existing users

Will need \$.? - by end next month so before  
legislature.

20. Pumping gw mound - don't get 100%  
for augmentation but in allocation  
by %

Put in real axes & see what -

Do sensitivity analysis - brainstorm  
reiter flow analysis

\* More understanding model - special meeting on model

Phreatophyte

ians - is a perception with public  
vegetation, conservation -

Look further into conservation min talk

1/25/07

Allocations - / reduce irac (How much acres)

Augmentation

Vegetation

break small dams.

Outlets water holding terraces

Fluxed

cost

shut pass

Look at both reclamation acres & allocations

What about Tri basin - still above 81-85 levels

no inc in acres since 2004

no allocations

pumping = to LRMRD

If water levels in any section fall below 81-85 levels - monitor 3 yrs & if still low - have allocations

Capped irrigated acres

require full offsets for big etranel.

Jasper

Cheapest Augmentation - no store to divert SW

Jasper total is to maximize economic value of water in basin

Jasper - evaluate each option on own merits  
short & long terms.

Cupment Jasper  
Vegetation John T  
Mi Kechemu ) Vegetay model

John Berge Nelson - DNR Pursee \$ available.

Tom Terry Kerry - fee structure Grog Pelster  
IPA

Dean - is getting updated pumping #s

Show continued drought

Trust fund - to borrow money?

bond authority for Papio

1<sup>st</sup> August meetings

July 15. meeting

June 20 notice

Two sets meeting  
Technical Model  
Board member Model

RRMP - Stake holders.

Check to IDs

May - basin meeting - reactions  
2nd Board meeting -

March early - options

Budget bill Late April

March 1 frame work plan.

Jan - (Middle Feb. -  
1:00 15<sup>th</sup> Cambridge.)

(Bus Operations)  
Lt.

12<sup>th</sup> 13<sup>th</sup> until 14<sup>th</sup> 1.  
10<sup>th</sup> - 6:00  
3:00

Senators -

Baker all cash fund won't go to RR

treat wells different after 2001

Get sec 10 to table - Pioneer

more Christian ship

2-4" ready to file Bankruptcy

- Grass acres use as much water  
as corn.

- trees on river

- move water around fix a compact

- need to take soil type when do allocation

Ethanol plants want be built @ these vegs

Tom Hansen - Lincoln CO

Need better economic model

Water model @ lower than economic

veg fragile community

Tom Carlson - Holdrege

Invasive species = enemy of all of us

clean RR in 3 years of veget

Jasper -

- compensated reg - at least compensate those with unfair burden.
- Other alternative - refine flows.

Economic model of basin much less fragile than water system.

Mike C State of shock -

Greatly affected 50% of acres in district in QRW areas.

Need compensated regulation.

Volunt compensation.

augmentation

What kind econ effect on community - will be decreasing  
Need a more comprehensive approach.

Brad TB doing our part to preserve gw mound.

Put restrictions on additional acre LB.

Delia - 0 to SW -

$\$900 / 380,000 \text{ acres} = 26400000 \text{ impact}$

<sup>-\$900</sup> economic impact on price districts

Voluntary reduction  $\frac{1}{2}$ " in QRW

Sourcing federal funds for conservation

Claude - evy one have equal in all/strat  
& then let buy & sell

Don Adams

Reelin from CA

ENRON - Omaha preceded for help 4/3/77  
150 mil to Low level

Not fair to ask IRR to facilitate  
destruction of their way of life

Dale Helms - Captain of 7 wells in allow  
lost \$25,000 premiums due to CREF

Feds need to step up

Most people would go along if that  
people have water use

Roger - x B / case v State should not  
60000(?) Culbertson Canal

Fremont Valley