

Dec. 16, 2005

Cambridge, NE

Management options

4) Bostwick I.D. option - "It's all project water," Alice Johns  
Mike Delka - Board has been struggling

- 1) Harlan Storage
- 2) Nat Flow between HCL + Guide Rock
- 3) Spring Water in Canal (5 cfs)
- 4) Evaporation savings

Could run water through river or down canal

- ★ They are leaning against negotiating now + feel legal action between states may be a better outcome for the District.
- ★ They need some assurance of better inflow to Harlan C.L. from non-specific actions by the state and/or NRDs. (Performance Agreement)
- ★ Get water rights mapping issue solved
- ★ If they had more confidence in future water supply they may consider smaller \$/acre compensation for dry leases

B.I.D. wants to know how long it will take for management options would result in improved HCL inflows.

Dan Smith asked how many protected planting acres are in B.I.D.  
Mike Delka thinks irrigators would want \$ if state + NRD options didn't appear to get sufficient water into HCL, i.e. additional funds.

5) FCID Ralph Best thinks NRDs should cut to same levels as surface water has had to. Not interested unless there is parity between SW + GW in water supply.

Ralph Best  
May consider a buy out if enough \$ are available.

6) FUID - Don Felker

7) Riverside Canal

15) Riparian - Royer

Can improve flows by removing dense invader species

Cottonwood 22" - not much water savings available

Salt Cedar + phragmites are species that could be controlled + save water  
↳ 29" to 120"

Easter red cedar + russian olives are problematic

Possible 5-10% improvement in flow.

5-10 year program - must put some plants on surface to filter inflow

	HOURS PUMPED BY YEAR						Change
	2001	2002	2003	2004	2005		
	690.4	1086	912.7	839.4	incomplete		
DAWSON							
HIGHLINE		1419	1197	969.5	927.7	-4%	
MCCOOK	914.9	1208.7	990.1	856.7	658	-23%	
MIDWEST	1068.6	1415.9	1237.5	1096.2	924	-16%	
SOUTH CENTRAL	709	989	880.1	742.9	666.4	-10%	
SOUTHERN	721	951.7	903.8	815	692.2	-15%	
SOUTHWEST	1154	1518	1245.7	1093.8	902	-18%	
TWIN VALLEYS	720.6	1113.5	845.7	802.2	717	-11%	

18) Weather Modification - cloud seeding (2 handouts) Is still being done in SW KS and west slope in CO  
rainfall increase is inconclusive  
would need to be a multi-state effort (Texas, South Dakota, Alberta too)  
\$2 million per year  
≈ 10% increase  
long term potential solution

- 1) Expand # of CREP acres
- 2) EQIP expansion is possible Tom Baker question about alfalfa acres
- 3) Muddy - Harlan Harlan - Guide Rock

Next Steps:

Short - SW buy out, NRD programs - dry land lease etc,

Long - ?i?i

Goal - ? perhaps 20% of annual allocation (D. Cookson)

perhaps get an additional \$3.5-\$4 million from legislature  
plus \$1 mill. already in the budget (D. Cookson)

Mike Delka says it may not be enough

Well... Look at diff. between irrig + dryland rental rights plus atm (Cookson)

Nelson Trambley - \$250/acre is probably what it would take

Mike Clements - shouldn't the legislature be willing to pay a little more now vs pay higher damages later?

D. Cookson - Arkansas case \$65/acre-foot we don't want to establish an unreasonably high cost of water

(don't want it to get into court and have already set an artificially high cost for water)

Inspire T. - Is prevented planting available to folks who are in the throes of an injunction?

- How about pumping past Culbertson gage (76%)?

	<b>HOURS PUMPED BY YEAR REP. PORTION OF DISTRICTS</b>								
	2001	2002	2003	2004	2005	Change			
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