

**From:** [Marvin Swanda](#)  
**To:** [Gordon Aycock](#); [Stephen Ronshaugen](#)  
**Cc:** [Craig Scott](#); [William Peck](#)  
**Subject:** Re: Harlan County Evap  
**Date:** Friday, December 09, 2011 10:49:06 PM

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Gordon

I think that for last two years they used the historic split percentages of evap from HCL because neither district released storage. Now exactly what that was I don't know but that is what I remember.

Marv

>>> Gordon Aycock 3/10/2006 10:12:52 AM >>>

I reviewed both the Consensus Plan and the revised Compact Accounting Procedures and here's what I concluded.

Consensus Plan: During low water supply years the plan assumes summer evap to be 25,000 acre-feet. It is also assumed that in these years 20% of the lake storage is in the irrigation pool (lake elev. at 1935 feet) and the rest is in the sediment pool. As a result 80% of evap is charged to the sediment pool and 20% to the irrigation pool. This is actually handled by allowing irrigation an additional withdrawal of 20,000 acre-feet of water (sediment pool evap) in drought years thus drawing the reservoir down into the sediment pool by the end of the irrigation season.

Compact Accounting Procedures: The accounting procedures do not address the sediment pool. The procedures state: "The total annual net evaporation (Acre-Feet) will be charged to Kansas and Nebraska in proportion to the annual diversion made by the Kansas Bostwick Irrigation District and the Nebraska Bostwick Irrigation District during the time period each year when irrigation releases are being made from Harlan County Lake." As I read this Kansas will be charged for the full evaporation if they are the only ones using stored water from Harlan County. So if evap is 25,000 af, their consumptive use from Harlan County will be 25,000 acre-feet for evap and another 10,118 acre-feet for the storage used for a total of 35,118 af.

The accounting procedures do no address how you split evap if no diversions are made by either district. It would be worth looking back at 2005 and see how they treated this.

It does appears that Kansas has a problem and Neb receives a double benefit from giving up it's water.

Gordon