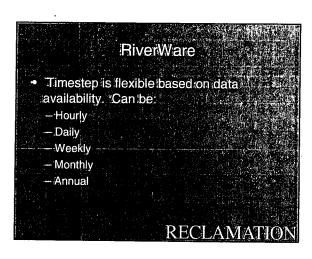
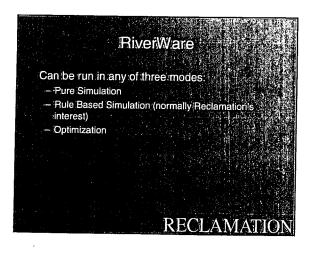
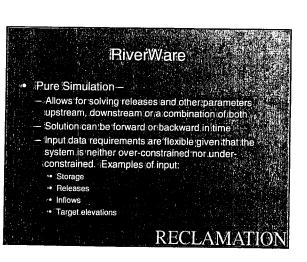


### RiverWare • A general-purpose reservoir and inversystem modeling stool that can be used for its variety of applications - Short-term operational scheduling - Mid-term forecasting - Long-term planning and policy studies • Operating "policy" is input by the user and is reasily modified • RiverWare offers the capability to model any river basin

# RiverWare Model is built by the user via an object oriented approach It is customized to the basin of interest and available data A variety of choices for engineering methods are offered for various facets of the river basin modeling RECLAMATION



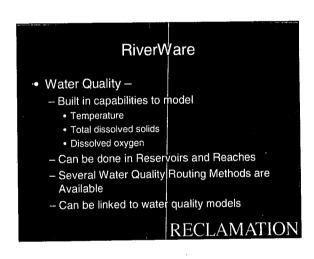




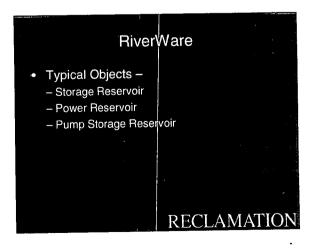
### RiverWare • Rule Based Simulation — - Simulation can be driven by if-then statements reflecting operating policy - Rules written by the user - User has the flexibility to change our update rules - Rule priorities can be switched using a graphical rule editor RECLAMATION

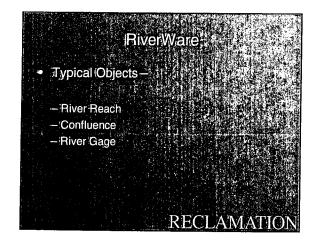
# RiverWare Optimization — — Provides a mechanism to deal with competing and even conflicting operational objectives — Utilizes pre-emptive Goal Programming to explore multiple objectives such as: • Water Supply • Flood Control • Hydropower • Fish and Wildlife • Recreation RECLAMATION

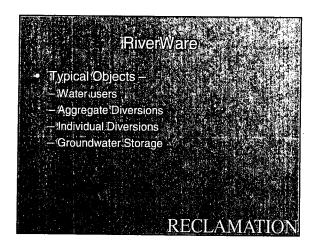
# RiverWare • Water Accounting — — Allows user to create storage, flow and diversion accounts to track water ownership throughout a river basin — Allows separate treatment of "physical" and "paper" water — Allows representation of water rights, accruals, carryovers and exchanges RECLAMATION

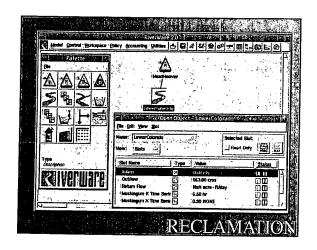


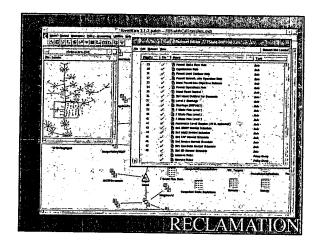
### RiverWare Ground Water Aquifer Storage Return Flow Linkages to Other Models RECLAMATION

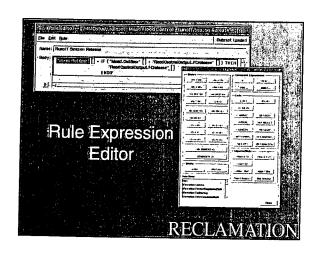


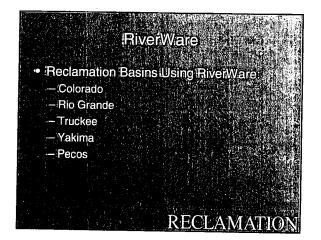












### RiverWare • Other RiverWare Users: - Tennessee Valley Authority - Corps of Engineers (Ft. Worth, Tulsa, Kansas - State Water Resources Agencies in Colorado - Metropolitan Water District Numerous other stakeholders

RECLAMATION

### RiverWare

- Developed by the University of Colorado with funding from Reclamation and Tennessee-Valley-Authority-
- Other collaborators include Corps of Engineers, state water resources agencies and stakeholder organizations
- Product is maintained (new releases, user support, training)
- Product is licensed

RECLAMATION

### RiverWare

- Thank you for your attention
- Questions?

Basin

- Relevant websites:
  - http://cadswes.colorado.edu/riverware
  - http://cadswes.colorado.edu/riverware/training/
  - http://cadswes.colorado.edu/PDF/ReleaseNotes/River WareHelp.pdf

RECLAMATION



### STATE OF NEBRASKA

### Dave Heineman Governor NAY 2006 RECEIVED May 5, 2006 RECEIVED May 5, 2006

DEPARTMENT OF NATURAL RESOURCES
Ann Bleed

NAME INITIAL ACTION CIDATERCTOR
Alice
Skue A INDEPTRY TO:
MILEK.

Jack

REMARKS:

To:

Mike Kube

From:

Steve Gaul Stan II

Subject:

Request for Additional Bureau of Reclamation Assistance on Scoping Costs for

Platte River Advanced Decision Support System in Nebraska

Mike, last September the Bureau of Reclamation issued a report entitled "Evaluation of Capabilities and Needs for a Platte River Advanced Decision Support System (PRADSS) in Nebraska". We greatly appreciated Reclamation's work on that report and at this time would like to request some additional assistance. Page 10 of the report stated:

"To develop a cost estimate, further investigation is needed to determine:

- Can some of the primary DSS needs be met through analyses/tools other than the initial PRADSS model?
- What preliminary analyses and data are needed as input into the initial PRADSS model?
- Are these data available?
- What, if any, additional data need to be collected?

The development of a cost estimate which includes an investigation into this type of information is recommended at this time. This cost estimate should specifically discuss database development separate from model development, since this database could potentially be used for input into additional PRADSS tools or models in the future. Model development should proceed once this estimate has been provided to decision makers and the necessary funds become available."

At this time we would like to request Reclamation work in accomplishing that cost estimate. We would appreciate it if the work could be accomplished by June 30, 2007 and we would expect to expend significant Nebraska Department of Natural Resources staff time in compiling database portions of the effort and assisting with other activities.

I would appreciate your thoughts on whether your Technical Assistance to States program, general program or some other authority would be the most appropriate venue for accomplishing this work and whether there would be any cash contribution required of the Department. I would appreciate the opportunity to discuss this potential effort with you. Please let me know your thoughts and thank you for your consideration.

cc: Brian Dunnigan

060387

clrshare/planning/gaul

301 Cenntenial Mall South, 4th Floor • P.O. Box 94676 • Lincoln, Nebraska 68509-4676 • Phone (402) 471-2363 • Telefax (402) 471-2900

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