2007 Annual RiverWare User Group Meeting – Preliminary Agenda

Tuesday February 6, 2007

7:30 - 8:00	Continental Breakfast
8:00 - 8:40	**Welcome, Introductions and Overview** Introductions of CADSWES team and attendees; meeting information Review of Licensing, and Current RiverWare users and Applications –*CADSWES*
8:40 – 9:40	**Current and Upcoming New Development in RiverWare** Overview of ongoing and recently completed new development; news about upcoming development and discussion of unfunded development needs; status of Qt port. – *CADSWES* Open forum discussion and suggestions regarding areas of development or specific needs; questions about future work – *Users, sponsors and developers* (All)
9:40 – 10:00	BREAK – Snacks and drinks provided
10:00 – 11:00	**RiverWare's New Optimization** Overview of RiverWare's optimization capabilities; description of the new (in v4.8) optimization language and constraint editor; demo of TVA's optimization model with the new version; upcoming Integer Programming development, future integration of rulebased simulation with optimization; plans for introduction of a new cost-free optimization solver in RiverWare – *CADSWES.* Questions, suggestions and expression of needs/ interest in RiverWare optimization – *All*
	New and Evolving Applications of RiverWare: Part I
11:00 – 11:15	Tarrent Regional Water District Long Range Planning Model – *Laura Blaylock (TRWD)*
11:15 – 11:30	A Benefits Study for the Panama Canal Operations Using RiverWare – *Michael Kane and Marc Baldo (Riverside Technology, Inc.)*
11:30 – 11:45	RiverWare Applications in Reclamation's Great Plains Region – *Donald Frevert (Reclamation Denver Technical Services Center), Michael Kube (Nebraska-Kansas Area Office), Patrick Erger (Great Plains Regional Office), Jeremy Giovando (Montana Area Office), Ronald Thomasson (Eastern Colorado Area Office), David King and John Treacy (Denver Technical Services Center)*
11:45 – 12:00	WaterNet-The NASA Water Cycle Solutions Network: opportunities to enhance RiverWare effectiveness through networking with NASA research results – *Dr. Dave Matthews (Hydromet DSS) and Dr. Paul Houser (Center for Research on Environment and Water)*
12:00 – 1:15	Lunch – Provided
	Water Accounting and Water Rights in RiverWare
1:15 – 2:00	Overview of water accounting modeling capabilities in RiverWare; new graphical interface features; upcoming enhancements, outline of upcoming training class – *CADSWES*
2:00 – 2:15	Water Rights Allocation (solver) function in RPL: how it works and how to use it – *CADSWES*
2:15 – 2:25	Lower Colorado River Authority water rights model structure comparison without and with the new solver function – *Kevin Wheeler (Hydrosphere Resource Consultants)*
2:25 – 2:40	Application of the Water Rights Allocation solver: Lower Neches Valley Authority water rights model – *Brad Vickers (Wave Engineering)*
2:40 – 2:50	Questions, suggestions and expressions of need for water accounting capabilities - *All*
2:50 – 3:10	BREAK – Snacks and drinks provided
3:10 – 3:30	**Advances in Rulebased Simulation and the other applications of the RPL** Recent and upcoming enhancements to Rulebased Simulation modeling capabilities and other RPL applications such as Expression Slots – *CADSWES*. Questions/suggestions/needs for rulebased simulation and other RPL capabilities – All
3:30 – 4:15	**Multiple Run Management (MRM) and the Graphical Policy Analysis Tool (GPAT)** Overview of capabilities of MRM, including new RPL-controlled MRM. Discussion of future further enhancements. Overview of GPAT and how to use GPAT with RiverWare's MRM output for risk-

	based comparison and analysis of operating policies - CADSWES Questions/suggestions/needs for MRM capabilities and risk-based analysis – *All*
4:15 – 4:30 4:30 – 4:45 4:45 – 5:00	**New and Evolving Applications of RiverWare: Part II** An Overview of the Tarrant Regional Water District Water Supply Reliability and Drought Response Planning Studies - *John Carron (Hydrosphere Resource Consultants, Inc.), Laura Blaylock (Tarrant Regional Water District), Steve Setzer and Kevin Wheeler (Hydrosphere Resource Consultants, Inc.)* Impact of the San Juan – Chama Project on Modeling Rio Grande Operations with questions, suggestions and expressions of need for water accounting capabilities - *Craig Boroughs (B&H Engineering)* Development of a Daily Operations Model for El Dorado Irrigation District – *Steve Setzer and John Carron (Hydrosphere Resource Consultants), Melissa Gunter (El Dorado Irrigation District)*
Evening Starting ~6:30	Group dinner optional (not hosted) Location to be announced
Wednesday February 7, 2006	
7:30 - 8:00	Continental Breakfast
8:00 – 8:45	**Modeling Groundwater-Surface Water Interactions with RiverWare** Two new approaches to modeling groundwater – surface water interactions with RiverWare: use of a network of groundwater objects and an interactive RiverWare-MODFLOW link - *CADSWES*
8:45 – 9:00 9:00 – 9:15 9:15 – 9:30	**New and Evolving Applications of RiverWare: Part III** Simulation of Surface water / Groundwater interaction in the Middle Rio Grande Basin – *Mike Roark (USGS - Albuquerque), Nabil Shafike and Mike Gabora (New Mexico Interstate Stream Commission)* Evaluation of the Hydrologic Component of the 2003 Biological Opinion and Other Alternatives Using URGWOM – *Nabil Shafike (New Mexico Interstate Stream Commission), Marc Sidlow and Donald Gallegos (USACE - Albuquerque District)* Development of RiverWare model for flood control planning for the Lower Rio Grande – *Sue Tillery (University of New Mexico), Zhuping Sheng (Texas A&M University at El Paso), Phil King (New Mexico State University)*
9:30 – 10:00	BREAK – Snacks and drinks provided
10:00 – 10:15 10:15 – 10:45 10:45 – 11:00	**COE Flood Control, Hydropower and Conservation Operations Modeling** COE Southwest Division modeling and long-term objectives for RiverWare R&D; update of integration of RiverWare into the Corps Water Management System – Jerry Cotter (USACE - Ft. Worth District) Overview of multi-objective modeling for flood control, conservation operations, environmental flows, and hydropower in RiverWare using modeling capabilities developed by COE (available to all users) and ancillary development, including statistical slots - *CADSWES* Application of the COE SWD R&D to the Wichita River – John Daylor (USACE -Tulsa District)
11:00 – 11:30	**Direct Data Connections** Description and demo of direct data connections from RiverWare to DSS; Overview of design for ongoing development of direct data connections to HDB/Oracle – CADSWES Questions/suggestions/needs for MRM capabilities and risk-based analysis – *All*
11:30 – 12:00	**Software Development and Maintenance, Releases and Tech Transfer** Overview of CADSWES software development processes and standards, software maintenance, User Support procedures, Release Processes, Bug Tracking, Training Schedules – *CADSWES* Questions/suggestions/needs – *All*