Vista User Group Meeting 2008
Portland, Oregon, U.S.A.
September 11 and 12, 2008

Agenda

Day 1 – AUTO *Vista* Roundtable

- AUTO *Vista* background and general training
- AUTO *Vista* Case Studies on facility upgrades, system studies and wind integration.

Day 2 – User Group Meeting

Friday, September 12, 2008 – User Group Meeting

Lunch and refreshments (coffee, tea, water and juice) provided

Registration (8:00 – 8:30 am)

1. Welcome Address (8:30 – 8:45 am)

2. Overview of Module Updates in *Vista* (8:45 – 9:05 am)
   a. Data: Facility Data, Constraints
   b. Load: Calculator
   c. LT: Schl, Archiving, Active River Segments, Load, Ramp Rate
   d. RT: External Energy Sources

3. Market Analysis *Vista* (9:05 – 9:30 am)
   a. Joint Optimum (for pre-scheduling)
   b. Hourly Power Analysis
      i. Max/min MW
      ii. Price-volume curve
   c. Block Ancillary Service Analysis
      i. Reg-up and Reg-down
      ii. Spin
      iii. Non-spin
      iv. INC/DEC

4. Market Analysis Demonstration (9:30 – 9:50 am)

5. Bulk Loading Refresher (9:50 – 10:10 pm)

Morning Break (10:10 – 10:25 am)

6. Real-Time Module Development RT *Vista* (10:25 – 10:45 am)
    a. Overview, Concepts and Theory
    b. Case Study: Hydro Advisory Tool (HAT) at Mighty River Power
    c. Case Study: Meridian Functionalities Preview

7. Demonstration Real-Time Module Development RT *Vista* (10:45 – 11:10 am)

8. LT *Vista* Refresher with Example (11:10 – 12:00 pm)
    a. Multiple Hydrologies
    b. Planning Horizon
    c. Long-term (10+ years) planning studies
    d. Marginal Value of Storage
    e. LT – ST Handshake

Lunch Break (12:00 – 1:00 pm)

9. The *Vista* Iterative Solve Mechanism (1:00 – 1: 25 pm)

10. Power Polynomial Representation (1:25 – 1:50 pm)
    a. H/K, *Vista* Approach

11. Interpreting the Optimization Matrix (1:50 – 2:20 pm)

Afternoon Break (2:20 – 2:35 pm)

12. Troubleshooting (2:35 – 3:15 pm)
    a. Using the Status Screen
    b. Using the Optimization Matrix in LT
    c. Using the Optimization Matrix in ST

13. Reduction in Carbon Emissions (3:15 – 3:30 pm)

14. Discussion -- Future Development Direction (3:30 – 4:00 pm)

15. Closing

16. Social Gathering at Shenanigans Restaurant 6:00 pm, Dinner at 7:00 pm