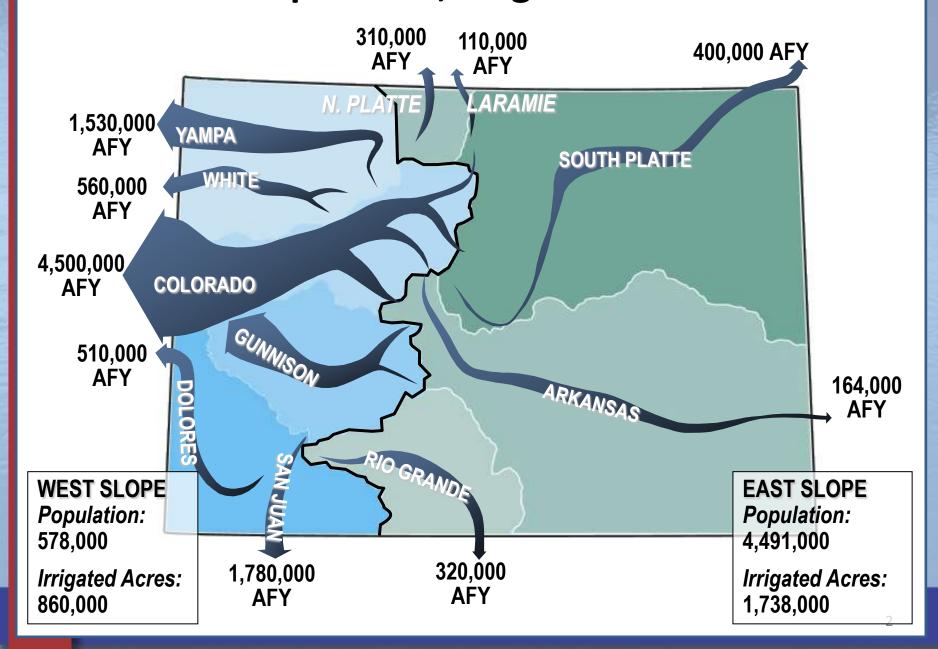
High Level SWSI Update Colorado WaterWise Workshop





September 24, 2010

Colorado Population, Irrigated Acres & Flows



Technical Reports – Components of SWSI 2010

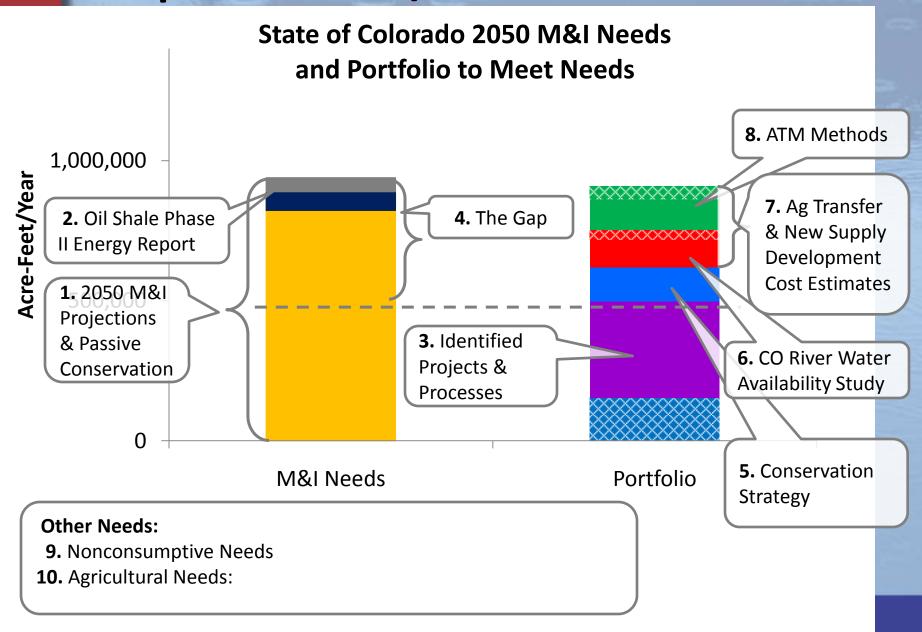
- 2050 M&I Water Use Projections—final
- Energy Study Phase 2 Revised Water Use Scenarios Memo final (pending Y-W Approval)
- 2050 Municipal & Industrial Gap Analysis draft
- Reconnaissance Level cost Estimates for Ag & New Supply Strategy Concepts—final
- Ag Demands/Alternative Transfer Methods draft
- Nonconsumptive:
 - Watershed Flow Evaluation Tool Pilot Study

 final
 - NCNA Focus Mapping (Phase 1)— final
 - NCNA Phase 2 draft
- Conservation Products: Discussed by Kevin Reidy
- IBCC Recommendations (Portfolios and Strategies) draft scheduled for December
 - Density Memo draft (to be used as appendix)
- 2010 Statewide Water Supply Initiative (SWSI) January 2011
- Basin-specific Reports 1st Quarter 2011

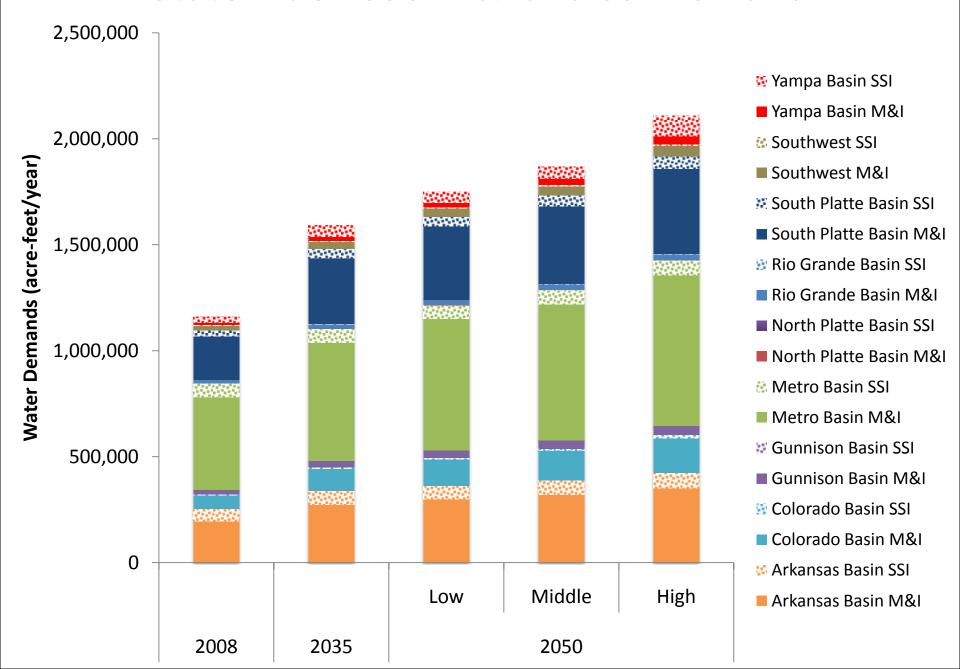
DRAFT Reports for Public Comment

- State of Colorado Current and 2050 Agricultural Demands
- Alternative Agricultural Transfer Methods Grant Program Summary of Key Issues
- Nonconsumptive Needs Assessment Phase II Update
- 2050 Municipal and Industrial Gap Analysis

Reports in IBCC/Portfolio Context



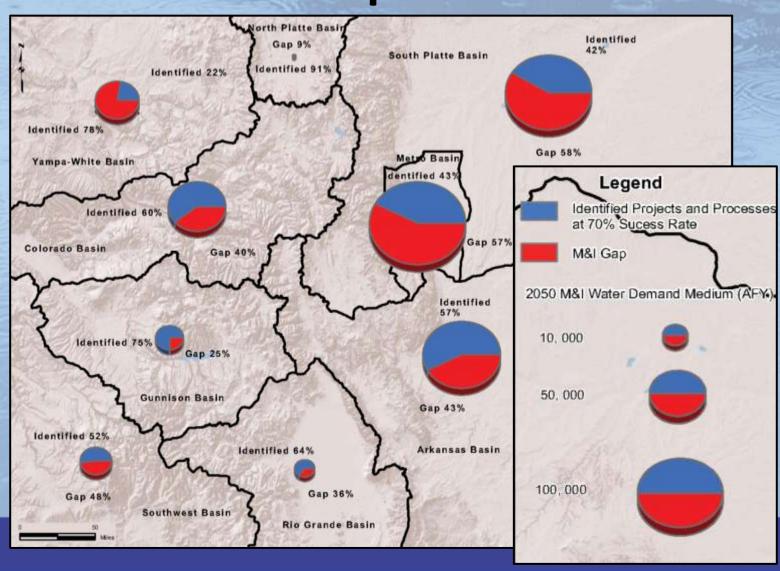
Statewide 2050 M&I and SSI Demand

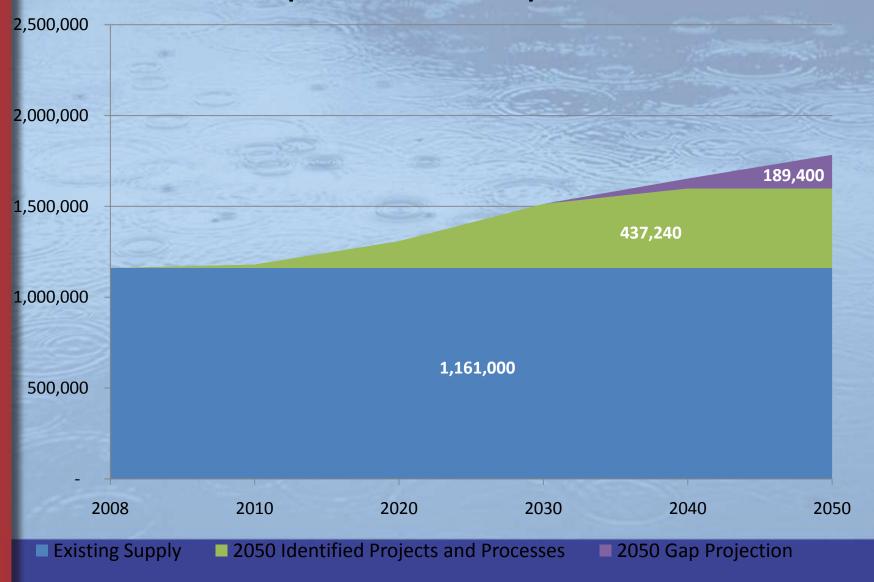


Components of M&I/SSI Gap Analysis

- 2050 M&I/SSI Demands
 - Assume high passive conservation
 - Calculate demand increase above current conditions (2008)
- Estimate yield of IPPs
 - Water provider interviews
 - SWSI Phase 1
 - NEPA project documentation
 - Other sources
- M&I/SSI Gap = Demand Increase IPPs

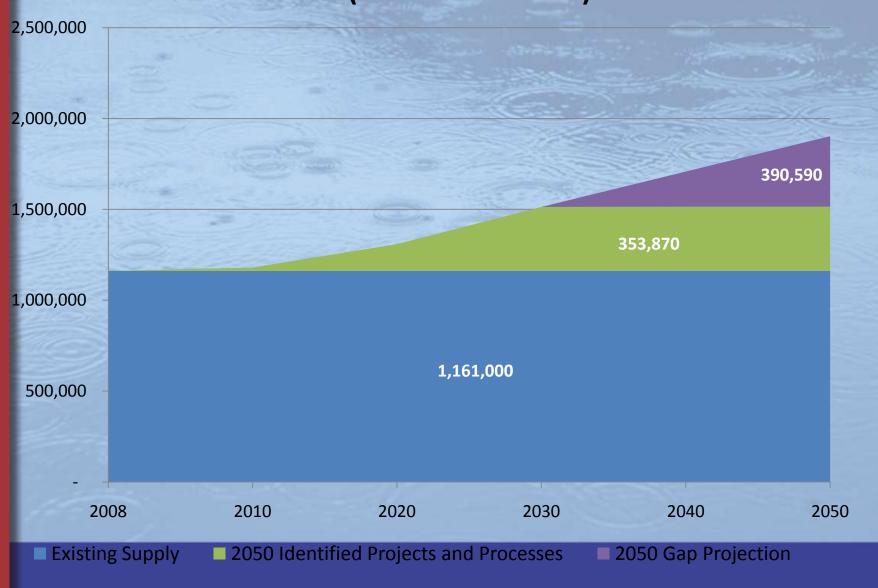
2050 M&I/SSI Gap Analysis – Medium Gap Scenario



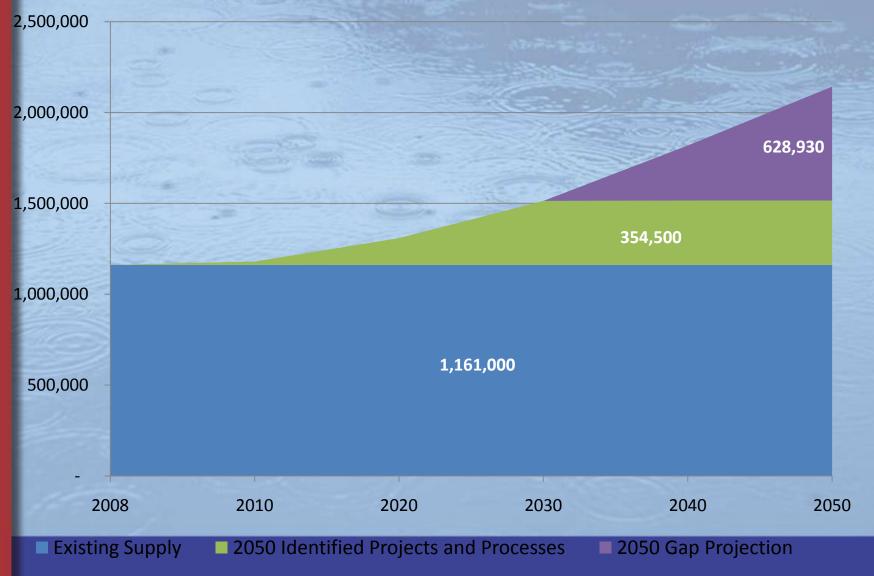


Acre-Feet/Year

Statewide M&I and SSI Gap Summary Medium Scenario (IPPs at 72% Yield)

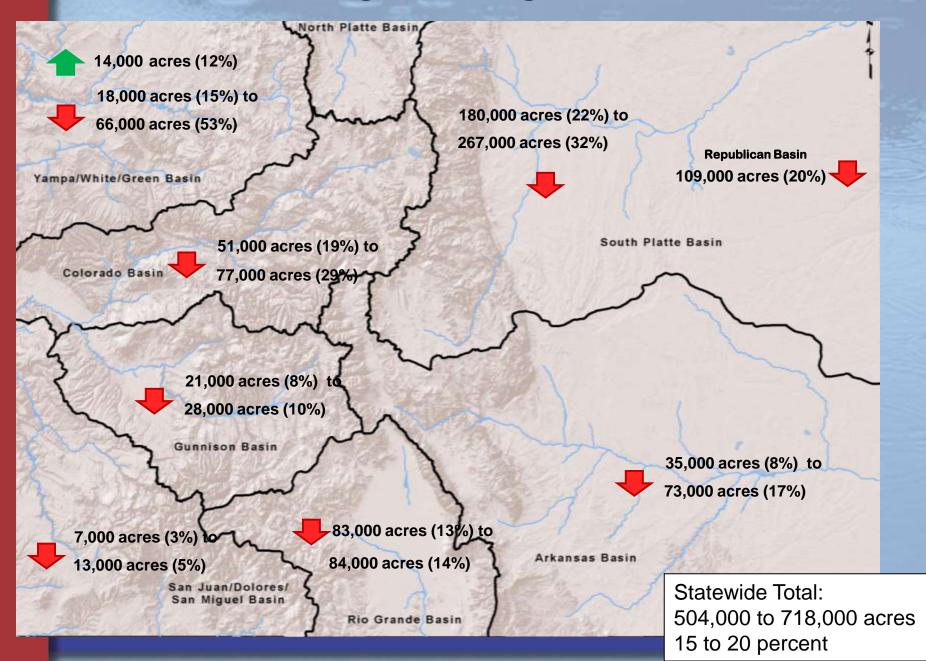


Acre-Feet/Year

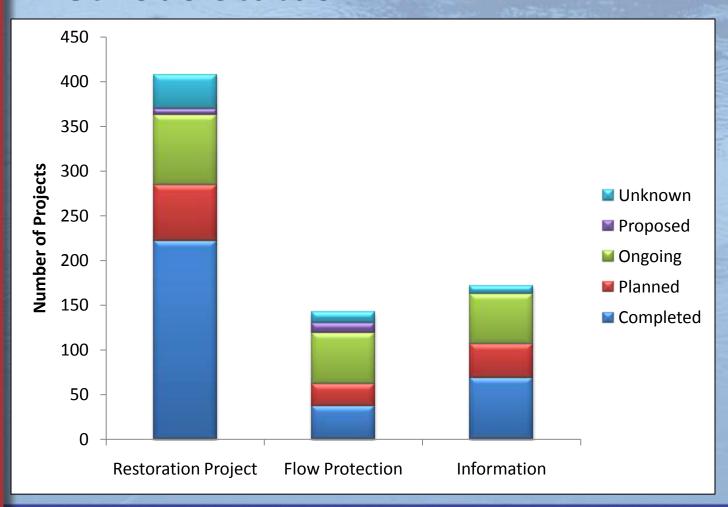


Acre-Feet/Year

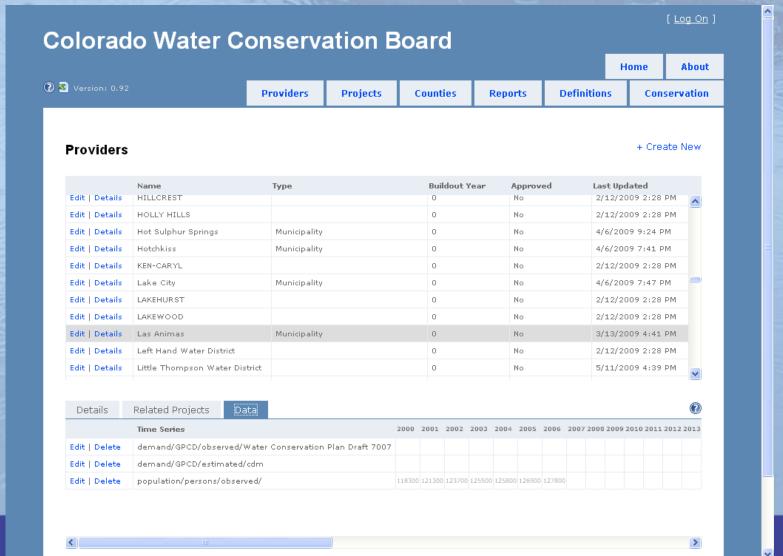
2050 Changes in Irrigated Acres



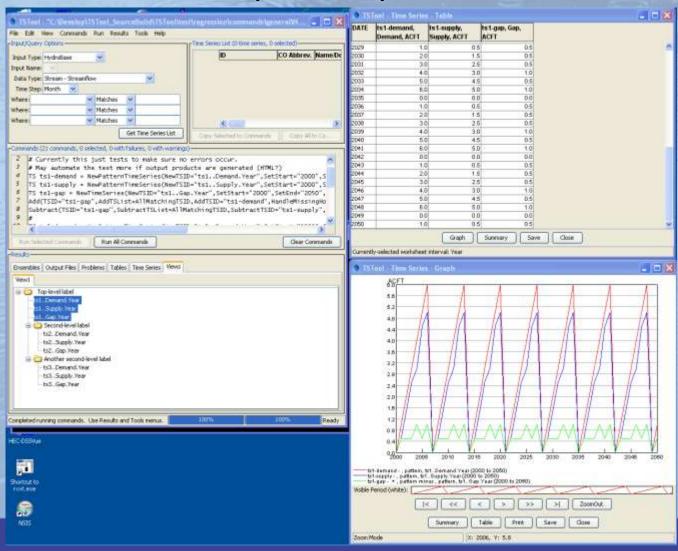
Statewide Summary of Nonconsumptive Projects and Methods Status



Basin Needs Decision Support System (BNDSS)

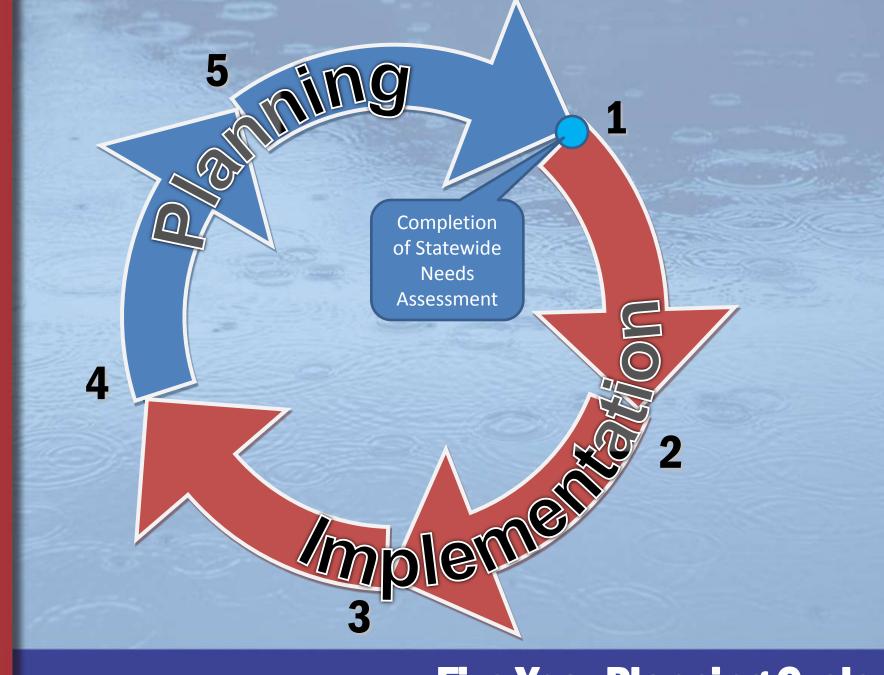


Basin Needs Decision Support System (BNDSS)



SWSI Recommendations

- 1. Ongoing Dialogue Among all Water Interests
- 2. Track and Support the Identified Projects and Processes
- 3. Develop a Program to Evaluate, Quantify and Prioritize Environmental and Recreational Water Enhancement Goals
- 4. Work Towards Consensus Recommendations on Funding Mechanisms for Environmental and Recreational Enhancements
- 5. Create a Common Understanding of Future Water Supplies
- 6. Develop Implementation Plans Towards Meeting Future Needs
- 7. Assess Potential New State Roles in Implementing Solutions
- 8. Develop Requirements for Standardized Annual M&I Water Use Data Reporting



Five Year Planning Cycle



Questions?

Greg Johnson
Colorado Water Conservation Board
Water Supply Planning Section
Gregory.Johnson@state.co.us
www.CWCB.state.co.us