Colorado River Basin Water Supply and Demand Study

- Study Objective
  - Assess future water supply and demand imbalances over the next 50 years
  - Develop and evaluate opportunities for resolving imbalances

- Study being conducted by Reclamation and the Basin States, in collaboration with stakeholders throughout the Basin

- A 2.5 year-Study beginning in January 2010

- A planning study – will not result in any decisions, but will provide the technical foundation for future activities
Study Phases and Tasks

Phase 1: Water Supply Assessment

1.1 – Select Methods to Estimate Current Supply
1.2 – Select Methods to Project Future Supply
1.3 – Conduct Assessment of Current Supply
1.4 – Conduct Assessment of Future Supply

Phase 2: Water Demand Assessment

2.1 – Select Methods to Estimate Current Demand
2.2 – Select Methods to Project Future Demand
2.3 – Conduct Assessment of Current Demand
2.4 – Conduct Assessment of Future Demand

Phase 3: System Reliability Analysis

3.1 – Identify Reliability Metrics
3.2 – Estimate Baseline System Reliability
3.3 – Project Future System Reliability
3.3.5-3.3.8 – Project Future Reliability with Opportunities

Phase 4: Development & Evaluation of Opportunities

4.1 – Develop Opportunities
4.2 – Evaluate and Refine Opportunities
4.3 – Finalize Opportunities

Essentially complete and described in Interim Report No. 1
Ongoing work since Interim Report No. 1
Kickoff in November 2011
Phase 4: Development and Evaluation of Opportunities to Balance Supply and Demand

- Consider a wide range of options and strategies
- Consider “Portfolios” of unique combinations of options
- Will not result in selection or funding of a proposed project
Projected Future Colorado River Basin Water Supply and Demand

- Based on preliminary assessments, supply-demand imbalances over the next 50 years are projected to be greater than 3.5 million acre-feet.

- Assessment based on:
  - “Current Trends” demand scenario
  - supply scenario that considers a changing climate

- A broad range of imbalances will be considered when all supply and demand scenarios are combined.
Phase 4 Approach

1. Solicit and receive input
   - Organize and group options

2. Characterize options & develop representative options
   - Evaluate performance of representative options

3. Package options into representative portfolios
   - Evaluate performance of portfolios

4. Identify key elements of robust portfolios
   - Develop summary findings and future considerations
How to Submit an Option

- Submit using the Option Submittal Form by February 1, 2012

- Form available on Study website at: http://www.usbr.gov/lc/region/programs/crbstudy.html

- Submit form via:
  - Study Website
  - E-mail to: ColoradoRiverBasinStudy@usbr.gov
  - U.S. mail to: U.S. Bureau of Reclamation
    Attention Ms. Pam Adams, LC-2721
    PO Box 61470
    Boulder City NV 89006-1470
  - Fax to: 702-293-8418
# Milestones & Updated Study Timeline

<table>
<thead>
<tr>
<th>Period</th>
<th>Activity</th>
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<tbody>
<tr>
<td>February – November 2011</td>
<td>Quantify Demand Scenarios</td>
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<tr>
<td>December – February 2012</td>
<td>Perform “Baseline” System Reliability Analysis</td>
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<tr>
<td>November – February 2012</td>
<td>Develop Options &amp; Strategies</td>
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<tr>
<td>January 2012</td>
<td>Publish Technical Updates</td>
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<tr>
<td>February – April 2012</td>
<td>Perform System Reliability Analysis with Options &amp; Strategies</td>
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<tr>
<td>April 2012</td>
<td>Publish Technical Updates</td>
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<tr>
<td>April – June 2012</td>
<td>Finalize &amp; Evaluate Options &amp; Strategies</td>
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<tr>
<td>June 2012</td>
<td>Publish Draft Final Study Report</td>
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<tr>
<td>July 2012</td>
<td>Publish Final Study Report</td>
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Colorado River Basin Water Supply and Demand Study

Study Contact Information

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