



Finalize Implementation Plan and Develop Progress Metrics

Implementation Plan

▪ Objectives

- Address water shortages or other identified issues
- Informed by the recommended water management strategies and other Plan recommendations made by the RBC

▪ Schedule

- Focuses on the first 5 years following adoption of the River Basin Plan

▪ Budget

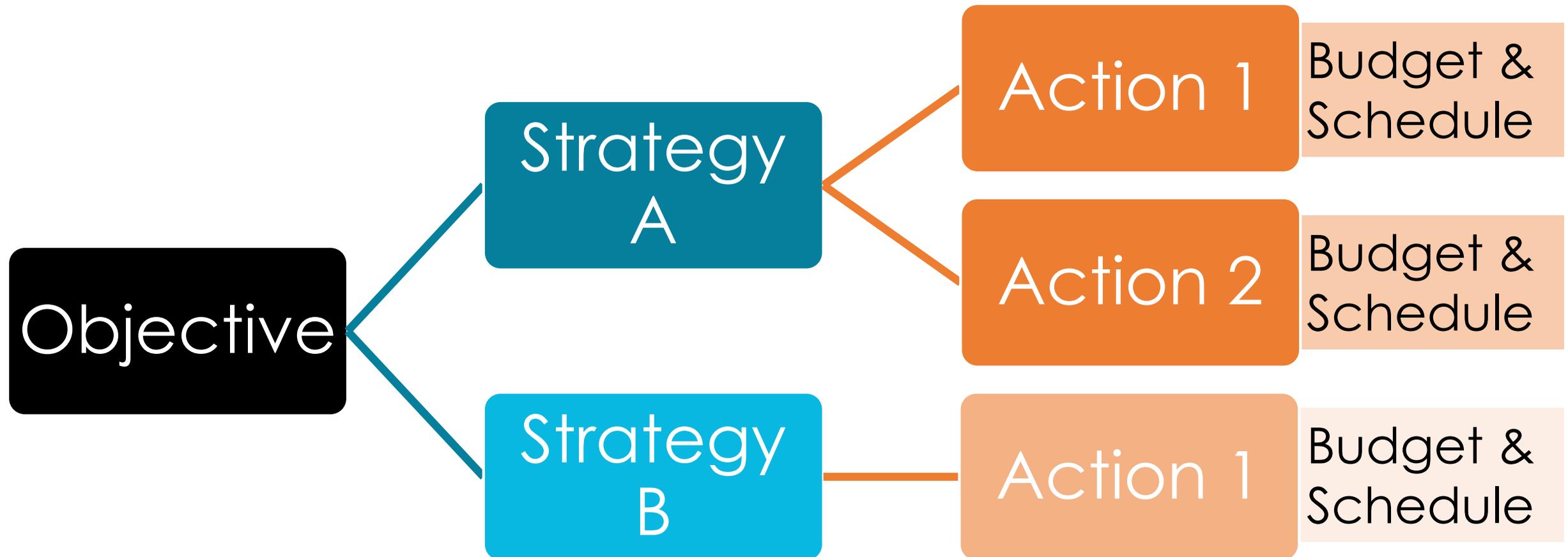
- Budget needed to accomplish each objective
- Identifies potential funding sources

RBCs Implementation Responsibilities

- RBCs will meet once per year (at a minimum) to discuss implementation progress
- RBCs will submit biannual progress reports to SCDNR which will
 - Summarize progress toward meeting each objective
 - Identify impediments and challenges
 - Document revisions to the Implementation Plan (and justification)
- RBCs may form subcommittees to focus on aspects of implementation

Implementation Plan

Objectives, Strategies & Actions



Implementation Plan – Proposed Objectives

Objective	Prioritization	Prioritization Justification
Objective 1. improve water use efficiency to conserve water resources	High	The Broad RBC did not find the strategies associated with one of these objectives to be of higher priority than another. Each water withdrawer will ultimately determine which strategies to prioritize based on their individual circumstances.
Objective 2. Optimize and augment sources of supply	Medium	
Objective 3. Improve drought management	High	Maintaining up-to-date drought plans is critical for public supplier response and to coordinate actions at a basin- and state-level.
Objective 4. Effectively communicate RBC findings and recommendations	High	Communication is essential to ensuring all objectives are pursued by stakeholders.
Objective 5. Improve technical understanding of water resource management issues	Medium	Additional technical information is necessary to inform and continually update the RBC's understanding of basin issues and best practices to manage concerns.

- Objectives should be ranked by importance and prioritized
- Each objective should include a justification describing its importance to water management in the basin



Progress Metrics

To assess the performance of and quality of actions taken by the RBC, the Framework proposes the development of progress metrics. A progress metric is a **“benchmark used to monitor the success or failure of an action taken by an RBC”**.

Proposed Progress Metrics

1. Improve water use efficiency to conserve water resources

Metric 1a: Municipal and agricultural water conservation and efficiency strategies are considered, evaluated, and implemented. On the municipal side, a 5-year reduction in residential per capita demand is realized and water utility financial strength is maintained.

Metric 1b: Funding opportunities are identified and used to implement strategies.



Progress Metrics

2. Optimize and augment sources of supply

Metric 2a: Strategies to optimize and augment sources of supply are implemented before they are needed.

Metric 2b: Funding opportunities are identified and successfully used to implement supply augmentation strategies.



Progress Metrics

3. Improve drought management

Metric 3: One hundred percent of public water supplier's drought management plans are updated within the last 5 years and submitted to the SCO for review.



Progress Metrics

4. Effectively communicate RBC findings and recommendations

Metric 4a: Within 2 years, the RBC has presented the Plan to all County Councils that are within the Broad River basin and requested their feedback and ideas for future study.

Metric 4b: Outreach is effective, prompting legislative actions, decisions, and funding that support implementation strategies and actions.

Progress Metrics

5. Improve technical understanding of water resource management issues

Metric 5a: USGS streamflow gages in the basin are maintained.

Metric 5b: The RBC has become familiar with the study in the Catawba River basin that assessed the relative impacts of climate and land use change on water supply resiliency and considered the value of a similar study in the Broad River basin*.

Metric 5c: Research into financial impacts of sedimentation on reservoirs and water resources is completed. Results are communicated to local governments.

Metric 5d: New data on ecological flow relationships is presented to the RBC and considered in subsequent RBC recommendations.

* Metric was discussed and revised during the meeting and edited following the meeting.

Progress Metrics

5. Improve technical understanding of water resource management issues

Metric 5e: Potential pinch-points where low flows may lower the assimilative capacity of streams have been identified, considered, and incorporated in RBC recommendations.

Metric 5f: Water quality issues and concerns in the basin are identified and a strategy to study approaches to address them is developed.

Metric 5g: Information on the how tree-ring data may be used to assess the severity, frequency, and duration of historical droughts and how that and/or climate projections may be used to better address potential hydrologic variability is presented to the RBC, and the value of performing such studies as part of the next 5-year Plan update is considered by the RBC.*

Metric 5h: An online library of technical resources is available to and used by RBC members.

* Metric was discussed and revised during the meeting and edited following the meeting.