The primary objective of the Feasibility Study was to find the best way to increase our sustainable use of locally available water supplies. Cost-effectiveness is a function of up-front capital and ongoing operating costs and the amount of water produced. **Alternative 2** produces the most water supply benefit and has low costs.

### Alternative 2: Full Use of SJCP Rights via Rio Grande Return Flow Credits
- **Details:**
  - Return up to 3 mgd WRF discharge by pumping to Rio Grande
  - Exchange for Rio Grande water
  - Divert additional 2300 AFY through existing Buckman system

### Summary of Alternatives

<table>
<thead>
<tr>
<th>Alternative</th>
<th>Description</th>
<th>Capital Cost</th>
<th>Operations and Maintenance Cost</th>
<th>Reduction in Future Water Shortages</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alternative 3</td>
<td>Enhanced Living River and ASR</td>
<td>2.7 X Cost of Alternative 2</td>
<td>3.9 X Cost of Alternative 2</td>
<td>Similar to Alternative 2</td>
</tr>
<tr>
<td>Alternative 4</td>
<td>Direct Potable Reuse</td>
<td>2.1 X Cost of Alternative 2</td>
<td>2.8 X Cost of Alternative 2</td>
<td></td>
</tr>
<tr>
<td>Alternative 7</td>
<td>Direct Potable Reuse</td>
<td>1.7 X Cost of Alternative 2</td>
<td>2.4 X Cost of Alternative 2</td>
<td></td>
</tr>
</tbody>
</table>

### Cost Effectiveness

- **Alternative 2** is the best alternative for cost-effectiveness.
- **Alternative 3** is a close second, with a slightly higher capital cost but lower operational costs.

### Project Risk Mitigation

- **Technical/Other:** Timely Implementability and Operability
- **Economic:** Cost-Effective Supply Augmentation
- **Environmental:** Protect and Sustain the Environment
- **Social:** Public Benefit and Social Acceptability

### Key Takeaways

- **Alternative 2** was found to best meet the community’s needs while reflecting its values and priorities. It minimizes costs by avoiding the need for advanced water purification technologies, and leverages our existing investments in the Buckman Direct Diversion System.