

SECTION 6.0 HOW THE PLAN MEETS THE GOALS AND MEASURABLE OUTCOMES

This section informs SWSI and the Colorado Water Plan on how the YWG BRT plans to meet our M&I, agricultural, environmental, and recreational gaps in a meaningful way. Where applicable, specific IPPs are identified, while in other cases plans for further refinement of conceptual solutions are described. The IPPs and conceptual solutions are dynamic and will be refined in SWSI and future YWG Basin studies as demands are updated, but this summary provides an initial benchmark against which measurable progress can be determined.

Table 6-1 How the BIP meets the Goals

Goals	How met
Protect existing decreed and anticipated future water uses in the YWG Basin	<p>Section 4 describes 21 multi-purpose IPPs and 17 environmental and recreational IPPs that will help reduce shortages to decreed uses and protect anticipated future water uses.</p> <p>A Colorado River Compact water bank is identified as an IPP to provide an alternative transfer mechanism to protect existing senior agricultural water supplies.</p> <p>Section 1 requests a negotiated equitable apportionment of water use in the YWG basins to protect relatively junior decreed uses and future uses.</p>
<p>Protect and encourage agricultural uses of water in the YWG Basin within the context of private property rights</p> <p>Improve agricultural water supplies to increase irrigated land and reduce shortages</p>	<p>Current and future agricultural needs are identified in Section 2.3</p> <p>Agricultural shortages are discussed in Section 3.4.1</p> <p>IPPs described in Chapter 4 include reservoir enlargements, new storage projects, municipal water conservation, and expansion of municipal supply well fields. These will supply growing M&I and SSI needs and reduce pressure for transfer of agricultural water rights. Ten IPPs have agricultural supplies identified as a primary use, and an additional two IPPs have agricultural supplies identified as a possible secondary benefit.</p>
Identify and address municipal and industrial water shortages.	<p>Current and future M&I and SSI shortages are analyzed in Section 3.4</p> <p>IPPs described in Chapter 4 include reservoir enlargements, new storage projects, municipal water conservation, and expansion of municipal supply well fields. Nine IPPs have municipal water supplies as a primary purpose. An additional nine IPPs have SSI water supply as a primary purpose.</p>
Quantify and protect non-consumptive water uses	<p>Environmental and recreational needs are identified in Section 2.4</p> <p>To help meet environmental and recreational water supply needs 17 environmental and recreational IPPs are identified in Chapter 4. In addition, five of the</p>



Goals	How met
	<p>consumptive IPPs identified in Chapter 4 include non-consumptive purposes and an additional seven include non-consumptive purposes as a possible secondary benefit.</p> <p>The YWG BRT will continue to explore additional multi-purpose opportunities where they may exist through future planning efforts.</p>
<p>Maintain and consider the existing natural range of water quality that is necessary for current and anticipated water uses</p>	<p>No measures yet identified.</p>
<p>Restore, maintain, and modernize water storage and distribution infrastructure</p>	<p>20 of 21 consumptive IPPs involve improvements to storage or distribution infrastructure.</p> <p>Environmental and recreational IPP #4 includes "Implementation of projects that improve...irrigation infrastructure."</p> <p>Environmental and recreational IPP #6 includes "watershed planning and implementation of...irrigation infrastructure improvement projects through the Morgan Bottom reach."</p>
<p>Develop an integrated system of water use, storage, administration and delivery to reduce water shortages and meet environmental and recreational needs</p>	<p>Water management and water administration in the YWG Basin are discussed in Section 3.2, and some of the challenges in the YWG Basin are recognized there.</p> <p>The YWG Basin has identified a number of measures to improve administration and will refine these through SWSI.</p>

