SUSTAINABILITY GOAL:
Support current and future beneficial uses of groundwater including agricultural, industrial, public supply, domestic, and environmental
Optimize conjunctive use of surface water, imported water, and groundwater
Avoid or eliminate undesirable results throughout the planning horizon.

GROUNDWATER BALANCE:

<table>
<thead>
<tr>
<th>(AF/Year)</th>
<th>Historical Period, 1995-2014</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>GSP Checkbook</td>
</tr>
<tr>
<td>Ave. Change, GW Storage</td>
<td>-10,441</td>
</tr>
<tr>
<td>Banking/Export Obligation</td>
<td>-1,520</td>
</tr>
<tr>
<td>Adjusted Total</td>
<td>-11,961</td>
</tr>
</tbody>
</table>

Supply Projects (AF/Year)
- **P1**: New Water Supply Purchases
  - Project Type: SW & Banking
  - Range of Annual Benefit: 5,000 to 23,000
  - Annual Benefit at 2040: 5,800
  - Start Date: 2020
- **P2**: Increase Recharge and Banking Capacity
  - Project Type: Banking
  - Range of Annual Benefit: 500 to 1,500
  - Annual Benefit at 2040: 400
  - Completion: Complete by 2030
- **P3**: New Kawelo GSA Banking Partners
  - Project: Banking
  - Range of Annual Benefit: 500
  - Annual Benefit at 2040: 100
  - Start Date: 2020
- **P4**: Water Treatment Facilities
  - Project Type: SW & Banking
  - Range of Annual Benefit: 7,500 to 20,000
  - Annual Benefit at 2040: 15,000
  - Start Date: 2020
- **P5**: Frant Pipeline Project
  - Project Type: SW & Banking
  - Range of Annual Benefit: 1,500 to 2,500
  - Annual Benefit at 2040: 500
  - Start Date: 2019
- **P6**: Peso Creek Flood Water Capture
  - Project Type: SW & Banking
  - Range of Annual Benefit: 150
  - Annual Benefit at 2040: 30
  - Completion: Potential 2030 Completion
- **P7**: Surface Water Storage
  - Project Type: Increased Storage
  - Range of Annual Benefit: 500
  - Annual Benefit at 2040: 500
  - Completion: Potential 2030 Completion
- **P8**: Increased Imported Water Capacity
  - Project Type: SW & Banking
  - Range of Annual Benefit: 500 to 4,000
  - Annual Benefit at 2040: 1,250
  - Start Date: 2020

TOTAL: 23,580

ESTIMATED PROJECTED GROUNDWATER BALANCE, NO PROJECT CASE:

<table>
<thead>
<tr>
<th>(AF/Year)</th>
<th>Implementation Period 2021-2040</th>
<th>Sustainability Period 2041-2070</th>
</tr>
</thead>
<tbody>
<tr>
<td>Baseline</td>
<td>-17,228</td>
<td>-20,171</td>
</tr>
<tr>
<td>2030 Climate</td>
<td>-20,758</td>
<td>-23,917</td>
</tr>
<tr>
<td>2070 Climate</td>
<td>-25,916</td>
<td>-28,951</td>
</tr>
</tbody>
</table>

Demand Reduction Mgmt. Actions/Projects

<table>
<thead>
<tr>
<th>MA</th>
<th>Project Type</th>
<th>Range of Annual Benefit</th>
<th>Annual Benefit at 2040</th>
<th>Start Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>MA 1</td>
<td>Voluntary Land Conversion</td>
<td>Demand Reduction</td>
<td>2,000</td>
<td>2,000</td>
</tr>
<tr>
<td>MA 2</td>
<td>Crop Conversion and Irrigation</td>
<td>Demand Reduction</td>
<td>&gt;2000</td>
<td>3,800</td>
</tr>
<tr>
<td>MA 3</td>
<td>Land Acquisition</td>
<td>Demand Reduction</td>
<td>2,500</td>
<td>2,400</td>
</tr>
</tbody>
</table>

TOTAL: 8,200
• The methodology to develop the GSP checkbook water budget uses the guidelines provided by the BMPs
• Projects and management actions focus on increasing surface water supplies to eliminate GW overdraft in the first half of implementation period
• Evaluate success of water supply projects and implement demand reduction actions as necessary (Plan B)
• Undesirable Results are triggered when at least 30% of the CGSA monitoring wells fall below the MTs for 3 consecutive years
• Continued coordination is required with neighboring management areas, KGA, and other GSAs
• Cawelo GSA has conducted 4 workshops, participated in select KGA outreach efforts, and maintains open communication with the public