CHAPTER 5.5: ADDITIONAL RECOMMENDATIONS

Rio Grande Regional Water Plan

B&V PROJECT NO. 192863

PREPARED FOR

Rio Grande Regional Water Planning Group

16 SEPTEMBER 2020
Table of Contents

5.4 Alternative WMS ........................................ 5.5-3

5.4.1 Cameron County ...................................... 5.5-4
5.4.2 Hidalgo County ....................................... 5.5-4
5.4.3 Jim Hogg County ..................................... 5.5-4
5.4.4 Maverick County ..................................... 5.5-4
5.4.5 Starr County .......................................... 5.5-4
5.4.6 Webb County ......................................... 5.5-4
5.4.7 Willacy County ....................................... 5.5-4
5.4.8 Zapata County ......................................... 5.5-4
LIST OF TABLES
No table of figures entries found.

LIST OF FIGURES
No table of figures entries found.
5.5 Additional Recommendations

As detailed through Chapters 5.1 through 5.4, WMSs were evaluated and updated in the Region M RWP as either recommended or alternative WMSs to meet needs for each WUG. In general, per TWDB rules and guidelines, WMSs must be providing increased water supplies to their respective sponsors and/or customers from water supply sources, reuse, conservation, and drought management. This chapter describes projects of interest that do not quite meet the above criteria, but were submitted by sponsors with the potential to be part of suitable WMSs in the future. Example items/projects that cannot be fully evaluated as WMSs as described in TWDB Exhibit C include, but are not limited to:

- New facilities with internal distribution networks that do not convey additional water supply volumes to WUGs (including reuse);
- Water system improvements to address compliance issues related to water quality or water distribution pressure;
- New wells required to simply replace aging wells;
- Preventative measures to protect or maintain infrastructure against future water loss or degradation; and
- Water storage facilities (e.g., elevated storage tanks).

Table 5.5-1 summarizes Additional Recommendation projects and respective sponsors.

<table>
<thead>
<tr>
<th>ENTITY</th>
<th>COUNTY</th>
<th>PROJECT</th>
<th>ONLINE DECADE</th>
<th>ESTIMATED COST</th>
</tr>
</thead>
<tbody>
<tr>
<td>North Alamo WSC</td>
<td>Cameron</td>
<td>1 MG Water Tower – Edinburg/Pharr</td>
<td>2020</td>
<td>$3,935,000</td>
</tr>
<tr>
<td>North Alamo WSC</td>
<td>Cameron</td>
<td>1 MG Water Tower – Mid Valley</td>
<td>2020</td>
<td>$3,935,000</td>
</tr>
<tr>
<td>Weslaco</td>
<td>Hidalgo</td>
<td>Emergency Transfers of Surface Water or Interconnects Between Systems</td>
<td>2020</td>
<td>--</td>
</tr>
</tbody>
</table>

5.5.1 North Alamo WSC (NAWSC)

One Million Gallon (MG) Water Tower – Edinburg/Pharr

This project was originally submitted by NAWSC as a strategy to the RWPG during the 2016 regional water planning process. The 1 MG Water Tower is planned to provide additional water storage and increase water pressure in the Edinburg and Pharr areas. This project would also hydraulically interconnect the NAWSC distribution system, allowing for utilization of other water districts in time of drought for push water. Because this stand alone project would not provide additional new water, it could not be evaluated as a WMS.

The 1 MG Water Tower is estimated to cost $3,935,000 if constructed.
1 MG Water Tower – Mid Valley
This project was originally submitted by NAWSC as a strategy to the RWPG during the 2016 regional water planning process. The 1 MG Water Tower is planned to provide additional water storage and increase water pressure in the Mid Valley area. This project would also hydraulically interconnect the NAWSC distribution system, allowing for utilization of other water districts in time of drought for push water. Because this stand alone project would not provide additional new water, it could not be evaluated as a WMS.

The 1 MG Water Tower is estimated to cost $3,935,000 if constructed.

5.5.2 Weslaco

Emergency Transfers of Surface Water or Interconnects Between Systems
This project was originally submitted by the City of Weslaco to the RWPG during the 2016 regional water planning process. This strategy is to provide relief and possibly treatment assistance to water infrastructure by interconnecting with an adjacent system in the northwest portion of Weslaco. The City of Weslaco has an adjacent system with three entities: the City of Mercedes, NAWSC, and Military Highway WSC. This strategy would physically connect the City of Weslaco and NAWSC systems.

Because this strategy would only transfer water to Weslaco in emergencies, it cannot be considered as providing a reliable supply and, therefore, could not evaluated.