

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: May 27, 2021

TO: Chairman and Members, Northern Nevada Water Planning Commission (“NNWPC”)

FROM: Chris Wessel, Water Resources Program Manager
Jim Smitherman, Water Resource Consultant

SUBJECT: Report, discussion, and possible action on comments received on the draft update to the “Population Forecast and Projections of Water Demand, peak Day Requirements and Wastewater Flow” chapter for the 2021-2040 Regional Water Management Plan; discussion and possible direction to staff.

SUMMARY

As part of the required 5-year RWMP review process, staff identified the need to update various elements of the Population Forecast and Projections of Water Demand, Peak Day Requirements and Wastewater Flow chapter for the 2021 RWMP update and is currently working in coordination with the Truckee Meadows Water Authority ("TMWA"), and the Truckee Meadows Regional Planning Agency ("TMRPA") to develop data and analyses to update the various sections of the chapter.

The chapter was initially presented at the May 5, 2021 NNWPC meeting for review and comment along with a list of proposed updates. Subsequent to the initial presentation of the chapter the following progress has been made.

Table of Contents, List of Abbreviations and Acronyms, and References: Shown in gray font color. No revisions to date, these sections will be revised last.

Purpose and Scope: No additional revisions.

Summary and Findings: No additional revisions; gray shading indicates further revisions are necessary.

Introduction: No additional revisions.

6.1 Comparison of the Consensus Population Forecast and the Estimated Population that can be Supported by the Sustainable Water Resources in the Planning Area

No additional revisions.

6.2 Projections of Water Demand, Peak Day Requirements and Wastewater Flow for Service Areas

Revisions to date are shown as red-line edits.

6.2.1 New revisions include updated water use projections and peak day production projections provided by TMWA consistent with the TMWA 2040 Water Resource Plan. Minor changes to TMWA’s projection methodology are also included.

6.2.2 Significant revisions to the wastewater flow projections are shown as redline edits. The

methodology for two model runs, and results from the preferred model run are included. TMRPA worked closely with WRWC staff and the Regional Effluent Management Team to refine the modeling methodology and produce the preferred model results.

- 6.3** ***Water Balance Model:*** No additional revisions. The Water Balance has not yet been updated. Staff is working with TMWA, TMRPA and the Regional Effluent Management Team to update this section.

RECOMMENDATION

Staff recommends that the NNWPC accept the review notes on Chapter 7 of the 2016 RWMP, with or without changes, and provide direction to staff as appropriate concerning this chapter as part of the development of the 2021 RWMP update.

CW:jp

Attachment: Draft RWMP Chapter 7 Population Forecast and Projections of Water Demand, Peak Day Requirements and Wastewater Flow showing recommended revisions.