

Northern Nevada Water Planning Commission

STAFF REPORT

DATE: August 26, 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 and again at the June 2, 2021 NNWPC meeting for review and comment along with a list of proposed updates. Subsequent to these previous chapter reviews, further progress is summarized below.

A copy of the draft, revised chapter is not attached as it was being revised at the time of agenda posting. Revisions will be presented at the meeting and a revised chapter will be made available directly afterwards.

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: Revisions to date are shown as red-line edits.

Summary and Findings: Revisions to date are shown as red-line edits.

Introduction: Revisions to date are shown as red-line edits.

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

Revisions to date are shown as red-line edits.

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:*** The Water Balance has been updated with revised water supply and demand estimates provided by TMWA working with TMRPA. Revised effluent flow projections provided by TMRPA working with the Regional Effluent Management Team are incorporated into the model in addition to updated effluent management capacity estimates.

RECOMMENDATION

Staff recommends that the NNWPC accept the revisions presented on Chapter 7 of the 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