APPENDIX 1

SOUTHERN NEVADA WATER AUTHORITY

SEPTEMBER 2013—INTEGRATED RESOURCE PLANNING ADVISORY COMMITTEE

FUNDING RECOMMENDATIONS

1. Develop rates through a transparent and inclusive community process.

2. Retain the existing rates and charges previously adopted by the SNWA Board and its purveyor members, formalizing the fire line meter charge at 17.5 percent of the current Infrastructure Charge.

3. Cap the Infrastructure Charge on fire line meters at the 2013 dollar amounts.

4. Increase the Commodity Charge $.18 per 1,000 gallons (from $.30 to $.48) to meet 50 percent of annual revenue requirements in the target year 2017 and increase the Infrastructure Charge to meet the other half of annual revenue requirements.

5. Temporarily reduce the maximum rate in 2014, 2015 and 2016 to provide the community time to adjust to the new rates.

6. Separate money added to the New Expansion Debt Service fund and related interest attributed to the 2014 and 2015 phased-in rates from the remainder of the fund balance and use it to only offset forecasted operating deficits in 2016 to 2021 and not for any other purposes.

7. Allocate Connection Charge revenues in excess of the 2014 base year ($16.1 million) exclusively to pay the following, in order of priority:

    - Early payment or pre-refunding of existing debt or one-time capital expenditures, whichever is most financially efficient, and

    - Water rate reductions.

8. If funds in excess of the target fund balance remain in the New Expansion Debt Service fund (not including phased-in rate revenue), use the excess fund balance only for any of the following purposes:

    - To redeem outstanding bonds (thereby reducing outstanding debt and future debt service requirements) or to acquire capital assets that would otherwise need to be funded with borrowed money (thus avoiding additional debt and debt service), whichever is most financially efficient;

    - To moderate further the impact of future rate increase; or

    - To reduce water rates.

9. Encourage the Las Vegas Valley Water District and the cities of Henderson and North Las Vegas to assess the rates and charges approved by the SNWA Board.

APPENDIX 2

SOUTHERN NEVADA WATER AUTHORITY

DECEMBER 2014—INTEGRATED RESOURCE PLANNING ADVISORY COMMITTEE

RESOURCE AND FACILITY RECOMMENDATIONS

1. Evaluate an increased water conservation target upon achieving the currently established goal of reducing gross water usage to 199 Gallons Per Capita Per Day (GPCD) by 2035.

2. Present water usage information to the Board of Directors and the community in both "gross" and "net" terms for the purpose of 1) more accurately communicating the water resource implications associated with various conservation measures, and 2) improving comparability of our community's water consumption with that of others.

3. Continue to partner with other Colorado River Basin States to undertake system conservation projects designed to protect critical elevations in Lake Powell and Lake Mead, conditional upon the identification of mutually agreeable projects and shared funding responsibilities.

4. Classify expenditures associated with Colorado River system conservation projects as one-time capital expenditures, thereby making funds available for these costs from Connection Charge revenues as identified in Recommendation Nos 7 and 8 from the September 2013 Integrated Resource Planning Advisory Committee Recommendations Report.

5. Begin design and construction of a new low lake level pumping station within the swiftest feasible timeframe.

6. Generate needed revenue for the construction of a new low lake level water pumping station exclusively through fixed charges based upon meter size.

7. Phase in the increase to fixed monthly charges over a three-year period.

8. Continue to include the Groundwater Development Project within the SNWA's Water Resource Portfolio with future resource options.

APPENDIX 3

CLARK COUNTY POPULATION FORECAST AND PROJECTION USED BY SNWA IN PREPARATION OF WATER RESOURCE DEMAND PROJECTION IN SNWA 2015 WATER RESOURCE PLAN

Year	Lower Demand Population	Upper Demand Population
2015	2,146,000	2,156,932
2016	2,191,000	2,210,313
2017	2,225,000	2,254,618
2018	2,262,000	2,307,035
2019	2,299,000	2,368,806
2020	2,335,000	2,429,801
2021	2,371,000	2,489,966
2022	2,407,000	2,550,331
2023	2,441,000	2,607,658
2024	2,475,000	2,664,006
2025	2,507,000	2,719,403
2026	2,538,000	2,772,666
2027	2,568,000	2,823,745
2028	2,598,000	2,875,981
2029	2,626,000	2,924,870
2030	2,654,000	2,973,748
2031	2,679,000	3,018,073
2032	2,704,000	3,063,504
2033	2,729,000	3,108,888
2034	2,753,000	3,151,906
2035	2,776,000	3,194,886
2036	2,799,000	3,236,620
2037	2,821,000	3,277,121
2038	2,843,000	3,316,359
2039	2,865,000	3,356,702
2040	2,887,000	3,395,784
2041	2,909,000	3,433,604
2042	2,930,000	3,471,352
2043	2,952,000	3,509,022

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APPENDIX 3

Year	Lower Demand Population	Upper Demand Population
2044	2,974,000	3,545,435
2045	2,996,000	3,581,780
2046	3,019,000	3,619,259
2047	3,041,000	3,655,480
2048	3,063,000	3,690,454
2049	3,086,000	3,726,578
2050	3,109,000	3,762,652
2051	3,131,600	3,798,665
2052	3,154,200	3,834,627
2053	3,176,800	3,870,541
2054	3,199,400	3,906,407
2055	3,222,000	3,942,228
2056	3,244,600	3,978,004
2057	3,267,200	4,013,737
2058	3,289,800	4,049,428
2059	3,312,400	4,085,078
2060	3,335,000	4,120,688
2061	3,357,600	4,156,260
2062	3,380,200	4,191,794
2063	3,402,800	4,227,292
2064	3,425,400	4,262,754
2065	3,448,000	4,298,182

Source: Lower Demand Population, "Clark County Nevada Population Forecast 2015–2050," June 2015, CBER at the University of Nevada Las Vegas, which was then projected through 2065.
Upper Demand Population corresponds with the Upper Demands by assuming a 199 Total System GPCD in 2035 and 190 GPCD in 2055.

APPENDIX 4

Year	Lower Demand (199 GPCD BY 2035)	Upper Demand (199 GPCD BY 2035)	Upper Demand (185 GPCD BY 2035)
2015	477,000	479,000	477,000
2020	515,000	536,000	525,000
2025	549,000	596,000	574,000
2030	577,000	647,000	612,000
2035	599,000	690,000	641,000
2040	616,000	725,000	672,000
2045	632,000	756,000	699,000
2050	648,000	785,000	725,000
2055	664,000	813,000	748,000
2060	687,000	849,000	782,000
2065	711,000	886,000	816,000

GPCF Figures are shown here as “Total System GPCD”.