



GARY FISKE AND ASSOCIATES, INC.
Water Resources Planning and Management

Date: September 1, 2015
From: Gary Fiske
To: Rosemary Menard
Cc: Heidi Luckenbach, Bob Raucher, Bill Faisst, Toby Goddard
Re: Impact of Corrected Econometric Demand Forecast

As David Mitchell reported in his August 24 memo, there was an error in the accounting for plumbing code savings that, when corrected, added between 200 and 250 million gallons per year to the July draft econometric forecast. However, the prior analyses that I've done have generally been based on the April revised interim forecast for the 2020 forecast year, which is about 150 mg lower than the corrected econometric forecast.

For the sake of comparison, I've run our DFG-5 climate change base case (no new supply or infrastructure or conservation) with the corrected mid-range demand forecast. As the chart below shows, the worst-year peak-season shortage with 2020 demands goes up about 100 mg, from 1.1 bg to 1.2 bg. The distribution of peak-season shortages across other hydrologic conditions is also affected. The average peak-season shortages over these distributions differ by about 120 mg (~340 mg vs. 460 mg).

