Indian Wells Valley Water District
Calculation of Conservation Standard

Step 1: Determine Total Potable Water Demand (used in Step 3)	
Potable Water Production in Calendar Year 2013 (thousand acre-feet)	25.7
Potable Water Production in Calendar Year 2104 (thousand acre-feet)	23.8
Total Potable Water Demand (average of 2013 and 2014)	24.8

Step 2: Calculate Total Potable Water Supply			
Potable Water Supply	Water Yr 2017	Water Yr 2018	Water Yr 2019
Local Surface Water (thousand acre-feet)	0	0	0
Imported Water (thousand acre-feet)	0	0	0
Groundwater (thousand acre-feet)	2,529.4	2,509.4	2,489.4
Total Potable Water Supply (thousand acre-feet)	2,529.4	2,509.4	2,489.4

Step 3: Calculate Conservation Standard	
Total Potable Water Demand (from Step 1)	24.8
Total Potable Water Supply in Year 3 (from Step 2)	2,489.4
Supply Shortfall in Year 3 (negative amount indicates a surplus)	(2,464.6)
Conservation Standard with Self-Certification of Supply Reliability	0

Methodology:

1993 U.S. Bureau of Reclamation calculates 3,020,000 acre-feet available if 300' of aquifer is dewatered
IWV Cooperative Groundwater Group Production Report estimates 611,625 acre-feet pumped from 1993 - 2015
Remaining available supply at end of 2015 is 2,408,375 acre-feet
Annual recharge estimated at 7,000 acre-feet (conservative)
Total recharge 1993-2015 estimated at 161,000 acre-feet
10 year average pumping from the basin is 26,984.8 acre-feet
Net annual loss is 19,984.8 acre-feet
Available water for 2016 is 2,569,374.8 acre-feet
Assume 7,000 acre-feet recharge and 27,000 acre-feet production in 2016