



Public Works Director's Office

City of Hondo
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To: Mayor and Council

From: Eric Salazar, P.E., Director of Public Works

Date: January 11, 2016

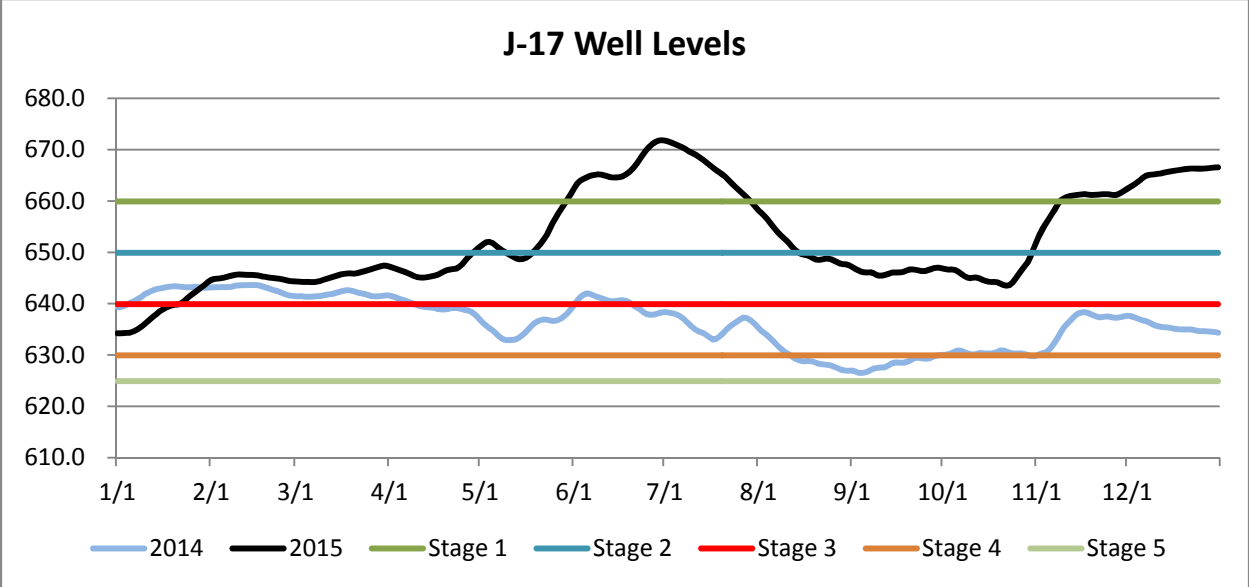
Re: Water Summary for 2015

Executive Summary

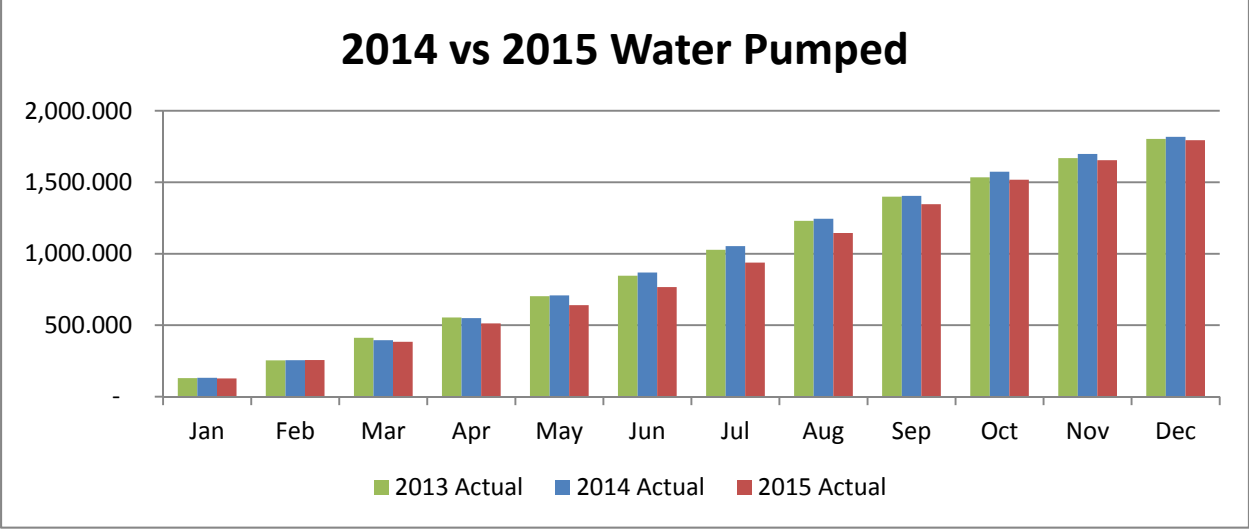
In 2015, the City of Hondo experienced 26.52-inches of rainfall as recorded at the South Texas Regional Airport. The City is authorized to pump **2,607.771** ac-ft from the Edwards Aquifer for municipal use. A 19.7% reduction has been applied to our authorized amount which results in a decrease from 2,607.771 to 2,094.04 ac-ft. This is a reduction of 513.731 ac-ft.

Below is a summary of reductions for the calendar year as recorded by EAA accompanied with the graphical representation illustrating this data.

CPM Reduction					
SA Pool	%	Days in Stage	Start	End	Reduction
Stage 3	35.0%	27	1/1/2015	1/27/2015	2.6%
Stage 2	30.0%	91	1/28/2015	4/28/2015	7.5%
Stage 1	20.0%	11	4/29/2015	5/9/2015	0.6%
Stage 2	30.0%	9	5/10/2015	5/18/2015	0.7%
Stage 1	20.0%	11	5/19/2015	5/29/2015	0.6%
No Stage	0.0%	61	5/30/2015	7/29/2015	0.0%
Stage 1	20.0%	16	7/30/2015	8/14/2015	0.9%
Stage 2	30.0%	77	8/15/2015	10/30/2015	6.3%
Stage 1	20.0%	9	10/31/2015	11/9/2015	0.5%
No Stage	0.0%	53	11/10/2015	12/31/2015	0.0%
TOTAL		365			19.7%



By the end of 2015, the City of Hondo recorded pumping **1,794,901** ac-ft for municipal use. This is a decrease of 23.085 ac-ft from the previous year. The following chart depicts the City of Hondo's pumping for 2015 relative to previous years.



The numbers supporting the above chart are:

	2013	2014	2015	2014 - 2015 Difference	Percent Difference
Jan	129.413	132.509	127.505	(5.00)	-3.78%
Feb	253.708	255.210	255.937	0.73	0.28%
Mar	411.559	395.526	384.367	(11.16)	-2.82%
Apr	554.483	549.478	512.077	(37.40)	-6.81%
May	702.989	708.143	639.787	(68.36)	-9.65%
Jun	845.774	869.163	767.229	(101.93)	-11.73%
Jul	1,027.268	1,053.594	938.011	(115.58)	-10.97%
Aug	1,229.748	1,244.315	1,144.736	(99.58)	-8.00%
Sep	1,399.670	1,404.910	1,346.240	(58.67)	-4.18%
Oct	1,534.515	1,573.870	1,517.440	(56.43)	-3.59%
Nov	1,669.393	1,698.580	1,654.457	(44.12)	-2.60%
Dec	1,803.287	1,817.986	1,794.901	(23.09)	-1.27%

Conclusion

Given the Critical Period Reduction Factor for 2015 at 19.7 % and the significant drop in water pumped from the municipal wells, the City of Hondo experienced a surplus of 297.283 ac-ft of water. This can be directly attributed to the rainfall observed throughout the year. In 2016, we look forward to restoring the existing water infrastructure with the TWDB project(s), and the design and construction of a reclaim water project. We anticipate the initiation of the Master Plan Process that will address water needs brought by new development. Through the Operations Team, we will continue to examine water options that can potentially provide relief to the City of Hondo.