

APPENDIX U

Summary of Well Operational Status Changes

APPENDIX U SUMMARY OF WELL OPERATIONAL STATUS CHANGES



This appendix documents the well operational status changes for the contiguous area. As mentioned in the Executive Summary, this Water Master Plan has been prepared based on available water system facility information and system operations data provided by the City as of October 2014, when this Water Master Plan was started. Since then, several wells within the contiguous service area have changed operational status as a result of: changes in water quality, proposed new regulations (i.e., proposed TCP regulation), or the wells have been physically destroyed to help prevent the potential for vertical groundwater migration. A summary of the well operational status changes within the contiguous service area is provided in Table 1.¹

There were no changes in well status for any of the City's Outlying service areas, with the exception of the Waterford and Hickman systems. As discussed in Chapter 2, the City no longer provides water service to the communities of Waterford and Hickman, and thus the City is no longer responsible for operating wells within those areas.

Although the status of the City's wells change periodically, the overall operation of the City's groundwater system is not materially impacted by the change in status of a few individual wells. Therefore, the analysis conducted for and described in this Water Master Plan is still very valid and appropriate for the City's use in establishing a Capital Improvement Program for future system improvements.

¹ Information provided in Table 1, and discussed in this Appendix, is based on "Well Evaluation version 090817.xlsx" provided by City staff on 9/8/2017.

Table 1. Contiguous Service Area Summary of Well Facility Changes^(a)

Well Number	Service Area	Well Status ^(a)	Backup Power ^(b)	Total Well Pump Capacity, gpm	Notes
1	North Modesto	Active		950	
2	North Modesto	Out of Service		1,500	
3	North Modesto	Out of Service		650	
4	North Modesto	Out of Service		850	Destroyed - 10/2016
6	North Modesto	Active	Yes	950	
7	North Modesto	Active		900	
10	North Modesto	Active		465	
14	North Modesto	Out of Service	Yes	1,500	
16	North Modesto	Active		1,600	
17	North Modesto	Out of Service		790	Inactive due to Ur - 02/2015
18	North Modesto	Out of Service		750	
21	North Modesto	Out of Service		1,500	
22	North Modesto	Out of Service		1,000	
25	North Modesto	Active	Yes	1,500	
29	South Modesto	Tank 3 Fill	Yes	450	
30	South Modesto	Tank 3 Fill		450	
33	North Modesto	Active	Yes	1,650	
36	North Modesto	Out of Service		1,050	Destroyed - 10/2016
37	North Modesto	Out of Service		1,250	
38	South Modesto	Tank 7 Fill		1,050	
39	North Modesto	Active	Yes	1,775	
40	North Modesto	Active	Yes	917	
41	North Modesto	Active	Yes	1,320	
42	North Modesto	Active	Yes	908	
43	North Modesto	Active	Yes	1,200	
45	North Modesto	Active		1,150	
46	North Modesto	Active		845	
47	North Modesto	Active		1,138	
48	North Modesto	Active		1,700	
49	South Modesto	Active	Yes	500	
50	North Modesto	Active		639	
51	North Modesto	Active		2,400	
52	North Modesto	Active	Yes	1,565	
53	North Modesto	Out of Service		1,500	Plan to Abandon
54	North Modesto	Active	Yes	2,075	
56	North Modesto	Active		650	
57	North Modesto	Active	Yes	1,200	
58	North Modesto	Active		1,000	
59	North Modesto	Active		1,273	
61	North Modesto	Active	Yes	1,600	
62	North Modesto	Out of Service	Yes	2,125	Inactive due to TCP - 10/2016
63	North Modesto	Active	Yes	1,800	
64	North Modesto	Active	Yes	2,000	
65	North Modesto	Active	Yes	1,910	
66	South Modesto	Tank 10 Fill	Yes	1,350	
100	South Modesto	Out of Service		650	
204	North Modesto	Out of Service		790	Inactive due to Sand production - 08/2017
211	North Modesto	Active		625	
212	North Modesto	Active		928	
214	South Modesto	Active		400	
216	South Modesto	Active		350	
217	South Modesto	Active		340	
223	South Modesto	Tank 8 Fill	Yes	390	
225	North Modesto	Active	Yes	1,175	
226	North Modesto	Out of Service		675	Destroyed - 10/2016
229	North Modesto	Out of Service		425	Destroyed - 10/2016
232	North Modesto	Out of Service		775	
236	North Modesto	Active		665	
237	North Modesto	Active		550	
241	North Modesto	Active		275	
247	North Modesto	Active		444	
250	North Modesto	Active		900	
259	North Modesto	Active		350	
262	North Modesto	Active		375	
264	North Modesto	Active		625	
265	North Modesto	Active		500	
267	North Modesto	Active		985	
269	North Modesto	Active		300	
277	North Modesto	Out of Service		923	Inactive due to TCP - 10/2016
278	North Modesto	Out of Service		750	Inactive due to TCP - 10/2016
279	North Modesto	Active	Yes	738	
281	North Modesto	Out of Service		480	
283	North Modesto	Active		850	
284	South Modesto	Active		473	
285	North Modesto	Out of Service	Yes	1,000	
287	South Modesto	Active		800	
288	North Modesto	Active		550	
290	North Modesto	Active		490	
291	North Modesto	Active		500	
292	North Modesto	Active		850	
297	North Modesto	Active		950	
298	North Modesto	Active	Yes	1,100	
299	North Modesto	Out of Service	Yes	1,250	Inactive due to TCP - 10/2016
300	North Modesto	Active		600	
301	North Modesto	Tank 6 Fill		500	
304	North Modesto	Tank 6 Fill	Yes	525	
305	South Modesto	Tank 8 Fill	Yes	690	
307	North Modesto	Out of Service		852	Inactive due to TCP - 10/2016
308	North Modesto	Active		733	
310	North Modesto	Out of Service	Yes	798	Inactive due to TCP - 10/2016
312	North Modesto	Out of Service		775	Inactive due to TCP - 10/2016
313	North Modesto	Active	Yes	1,270	
Grogan Park Well ^(b)	North Modesto	Near Term	Yes	1,500	

Well Status Change since October 2014

(a) Well status based on "Well Evaluation version 090817.xlsx", provided by City staff on 9/8/2017.

(b) Currently under design and is expected to be online in late 2017 or early 2018.