

Table A-14. 2045 Reclaimed Water Projections Using 2018 Percent Beneficial Utilization for the WWSP.

County	District	Waste Water Treatment Facility Name	Reuse System Name	WAFR ID	PAA	2018	Associated CUP	2018 Total Facility Treatment Flow	2018 Total Beneficial Reuse	Potential Existing Additional Reclaimed Water for Reuse	2018 Population	2045 Population	2045 Additional Population Hooked up to Sewer System	2045 New Waste Water Flow	2045 Potential New Additional Reclaimed Water for Reuse	2045 Total Potential Additional Reclaimed Water for Reuse	2045 Total Facility Treatment Flow	2018 Percent Utilization
Dixie	SRWMD	Cross City WWTF	Cross City WWTF	FL0027791	Yes	High	216823	0.28	0.52	-0.43	1,696	2,267	542	0.04	0.07	-0.36	0.32	184%
<b>Dixie County - SRWMD Total</b>								<b>0.28</b>	<b>0.52</b>	<b>-0.43</b>	<b>1,696</b>	<b>2,267</b>	<b>542</b>	<b>0.04</b>	<b>0.07</b>	<b>-0.36</b>	<b>0.32</b>	<b>184%</b>
Jefferson	SRWMD	Jefferson Correctional Institution	Jefferson Correctional Institution	FLA011642	Yes	High	N/A	0.15	0.16	-0.01	0	0	N/A	0.00	0.00	-0.01	0.15	103%
<b>Jefferson County - SRWMD Total</b>								<b>0.15</b>	<b>0.16</b>	<b>-0.01</b>	<b>0</b>	<b>0</b>	<b>N/A</b>	<b>0.00</b>	<b>0.00</b>	<b>-0.01</b>	<b>0.15</b>	<b>103%</b>
Lafayette	SRWMD	Mayo WWTF	Mayo, Town of	FLA011643	No	Basic	216851	0.08	0.08	0.00	1,208	1,214	6	0.00	0.00	0.00	0.08	100%
Lafayette	SRWMD	Mayo Correctional Institution	Mayo Correctional Institution	FLA011646	No	Basic	N/A	0.12	0.12	0.00	0	0	N/A	0.00	0.00	0.00	0.12	100%
<b>Lafayette County - SRWMD Total</b>								<b>0.20</b>	<b>0.20</b>	<b>0.00</b>	<b>1,208</b>	<b>1,214</b>	<b>6</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.20</b>	<b>100%</b>
Levy	SRWMD	Cedar Key WRF	Cedar Key	FL0031216	Yes	High	216821	0.09	0.09	0.00	2,304	2,304	0	0.00	0.00	0.00	0.09	100%
Levy	SRWMD	Chiefland WWTF	Chiefland	FLA011648	No	Basic	216826	0.24	0.24	0.00	2,229	2,651	401	0.03	0.03	0.03	0.27	100%
<b>Levy County - SRWMD Total</b>								<b>0.33</b>	<b>0.33</b>	<b>0.00</b>	<b>4,533</b>	<b>4,955</b>	<b>401</b>	<b>0.03</b>	<b>0.03</b>	<b>0.03</b>	<b>0.36</b>	<b>100%</b>
Madison	SRWMD	Greenville, Town of	Greenville, Town of	FLA011658	No	Basic	217127	0.09	0.09	0.00	796	796	0	0.00	0.00	0.00	0.09	100%
Madison	SRWMD	Madison, City of	Madison, City of	FLA116572	No	Basic	216506	0.72	0.72	0.00	3,969	4,200	219	0.02	0.02	0.02	0.74	100%
<b>Madison County - SRWMD Total</b>								<b>0.82</b>	<b>0.82</b>	<b>0.00</b>	<b>4,765</b>	<b>4,996</b>	<b>219</b>	<b>0.02</b>	<b>0.02</b>	<b>0.02</b>	<b>0.83</b>	<b>100%</b>
Taylor	SRWMD	Perry, City of	Perry, City of	FL0026387	Yes	High	216835	0.94	0.94	0.00	6,919	6,919	0	0.00	0.00	0.00	0.94	100%
Taylor	SRWMD	Taylor Correctional Institution	Taylor Correctional Institution	FLA011831	No	Basic	N/A	0.16	0.16	0.00	0	0	N/A	0.00	0.00	0.00	0.16	100%
<b>Taylor County - SRWMD Total</b>								<b>1.10</b>	<b>1.10</b>	<b>0.00</b>	<b>6,919</b>	<b>6,919</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>100%</b>
<b>Total</b>								<b>2.87</b>	<b>3.12</b>	<b>-0.44</b>	<b>19,121</b>	<b>20,351</b>	<b>1,169</b>	<b>0.09</b>	<b>0.12</b>	<b>-0.32</b>	<b>2.96</b>	<b>108%</b>

Notes:

- 1.) All estimates of reclaimed water and reuse flow are shown in million gallons per day.
- 2.) Rounding anomalies account for nominal discrepancies.
- 3.) 2018 Total facility treatment flow obtained from DEP 2018 Annual Reuse Inventory.
- 4.) Beneficial reuse consists of uses in which reclaimed water takes the place of a pre-existing or potential use of higher quality water for which reclaimed water is suitable and as such does not match DEP's broader definition of reuse.
- 5.) Potential existing additional reclaimed water for reuse calculated using the 2018 percent beneficial utilization of the 2018 total facility treatment flow minus the 2018 total beneficial reuse.
- 6.) Additional population hooked up to the sewer system calculated as 95 percent of the additional population growth within a service area from 2018 to 2045.
- 7.) New waste water flow calculated as additional population hooked up to the sewer system times 73 gpcd (58.6 gpcd for residential flow, AWWA indoor standard and 15 gpcd for commercial flow, National Engineering Handbook per employee).
- 8.) Potential new additional reclaimed water for reuse calculated using the 2018 percent beneficial utilization of the new waste water flow.
- 9.) Total potential additional reclaimed water for reuse calculated as potential existing additional reclaimed water for reuse plus potential new additional reclaimed water for reuse.
- 10.) 2045 Total facility treatment flow calculated as 2018 total facility treatment flow plus 2045 new waste water flow.
- 11.) Projections are grouped by population expected to growth within a public supply service area. Therefore, the projections by wastewater facility (WWTF) may not be specific to the WWTF, but as the region as a whole.
- 12.) Projections are not included for those service areas that do not currently have waste water treatment facilities.

Table A-15. 2045 Reclaimed Water Projections Using 75 Percent Beneficial Utilization for the WWSP.

County	District	Waste Water Treatment Facility Name	Reuse System Name	WAFR ID	PAA	2018	Associated CUP	2018 Total Facility Treatment Flow	2018 Total Beneficial Reuse	Potential Existing Additional Reclaimed Water for Reuse	2018 Population	2045 Population	2045 Additional Population Hooked up to Sewer System	2045 New Waste Water Flow	2045 Potential New Additional Reclaimed Water for Reuse	2045 Total Potential Additional Reclaimed Water for Reuse	2045 Total Facility Treatment Flow	At least 75% Utilization
Dixie	SRWMD	Cross City WWTF	Cross City WWTF	FL0027791	Yes	High	216823	0.28	0.52	-0.18	1,696	2,267	542	0.04	0.03	-0.15	0.32	75%
<b>Dixie County - SRWMD Total</b>								<b>0.28</b>	<b>0.52</b>	<b>-0.18</b>	<b>1,696</b>	<b>2,267</b>	<b>542</b>	<b>0.04</b>	<b>0.03</b>	<b>-0.15</b>	<b>0.32</b>	<b>75%</b>
Jefferson	SRWMD	Jefferson Correctional Institution	Jefferson Correctional Institution	FLA011642	Yes	High	N/A	0.15	0.16	0.00	0	0	N/A	0.00	0.00	0.00	0.15	75%
<b>Jefferson County - SRWMD Total</b>								<b>0.15</b>	<b>0.16</b>	<b>0.00</b>	<b>0</b>	<b>0</b>	<b>N/A</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.15</b>	<b>75%</b>
Lafayette	SRWMD	Mayo WWTF	Mayo, Town of	FLA011643	No	Basic	216851	0.08	0.08	0.00	1,208	1,214	6	0.00	0.00	0.00	0.08	75%
Lafayette	SRWMD	Mayo Correctional Institution	Mayo Correctional Institution	FLA011646	No	Basic	N/A	0.12	0.12	0.00	0	0	N/A	0.00	0.00	0.00	0.12	75%
<b>Lafayette County - SRWMD Total</b>								<b>0.20</b>	<b>0.20</b>	<b>0.00</b>	<b>1,208</b>	<b>1,214</b>	<b>6</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>0.20</b>	<b>75%</b>
Levy	SRWMD	Cedar Key WRF	Cedar Key	FL0031216	Yes	High	216821	0.09	0.09	0.00	2,304	2,304	0	0.00	0.00	0.00	0.09	75%
Levy	SRWMD	Chiefland WWTF	Chiefland	FLA011648	No	Basic	216826	0.24	0.24	0.00	2,229	2,651	401	0.03	0.02	0.02	0.27	75%
<b>Levy County - SRWMD Total</b>								<b>0.33</b>	<b>0.33</b>	<b>0.00</b>	<b>4,533</b>	<b>4,955</b>	<b>401</b>	<b>0.03</b>	<b>0.02</b>	<b>0.02</b>	<b>0.36</b>	<b>75%</b>
Madison	SRWMD	Greenville, Town of	Greenville, Town of	FLA011658	No	Basic	217127	0.09	0.09	0.00	796	796	0	0.00	0.00	0.00	0.09	75%
Madison	SRWMD	Madison, City of	Madison, City of	FLA116572	No	Basic	216506	0.72	0.72	0.00	3,969	4,200	219	0.02	0.01	0.01	0.74	75%
<b>Madison County - SRWMD Total</b>								<b>0.82</b>	<b>0.82</b>	<b>0.00</b>	<b>4,765</b>	<b>4,996</b>	<b>219</b>	<b>0.02</b>	<b>0.01</b>	<b>0.01</b>	<b>0.83</b>	<b>75%</b>
Taylor	SRWMD	Perry, City of	Perry, City of	FL0026387	Yes	High	216835	0.94	0.94	0.00	6,919	6,919	0	0.00	0.00	0.00	0.94	75%
Taylor	SRWMD	Taylor Correctional Institution	Taylor Correctional Institution	FLA011831	No	Basic	N/A	0.16	0.16	0.00	0	0	N/A	0.00	0.00	0.00	0.16	75%
<b>Taylor County - SRWMD Total</b>								<b>1.10</b>	<b>1.10</b>	<b>0.00</b>	<b>6,919</b>	<b>6,919</b>	<b>0</b>	<b>0.00</b>	<b>0.00</b>	<b>0.00</b>	<b>1.10</b>	<b>75%</b>
<b>Total</b>								<b>2.87</b>	<b>3.12</b>	<b>-0.18</b>	<b>19,121</b>	<b>20,351</b>	<b>1,169</b>	<b>0.09</b>	<b>0.06</b>	<b>-0.12</b>	<b>2.96</b>	<b>75%</b>

Notes:

- 1.) All estimates of reclaimed water and reuse flow are shown in million gallons per day.
- 2.) Rounding anomalies account for nominal discrepancies.
- 3.) 2018 Total facility treatment flow obtained from DEP 2018 Annual Reuse Inventory.
- 4.) Beneficial reuse for SRWMD consists of uses in which reclaimed water takes the place of a pre-existing or potential use of higher quality water for which reclaimed water is suitable and as such does not match DEP's broader definition of reuse.
- 5.) Potential existing additional reclaimed water for reuse calculated using 75 percent beneficial utilization of the 2018 total facility treatment flow minus the 2018 total beneficial reuse.
- 6.) Additional population hooked up to the sewer system calculated as 95 percent of the additional population growth within a service area from 2018 to 2045.
- 7.) New waste water flow calculated as additional population hooked up to the sewer system times 73 gpcd (58.6 gpcd for residential flow, AWWA indoor standard and 15 gpcd for commercial flow, National Engineering Handbook per employee).
- 8.) Potential new additional reclaimed water for reuse calculated using 75 percent beneficial utilization of the new waste water flow.
- 9.) Total potential additional reclaimed water for reuse calculated as potential existing additional reclaimed water for reuse plus potential new additional reclaimed water for reuse.
- 10.) 2045 Total facility treatment flow calculated as 2018 total facility treatment flow plus 2045 new waste water flow.
- 11.) Projections are grouped by population expected to growth within a public supply service area. Therefore, the projections by wastewater facility (WWTF) may not be specific to the WWTF, but as the region as a whole.
- 12.) Projections are not included for those service areas that do not currently have waste water treatment facilities.

Table A-16. 2045 Reclaimed Water Projections for the Western Planning Region area of the Suwannee River Water Management District.

County	District	Estimates Using WWTF 2018 Percent Beneficial Utilization Rate						Estimates Using DEP Beneficial Utilization Rate of 75 Percent							
		2018 Total Facility Treatment Flow	2018 Total Beneficial Reuse	Potential Existing Additional Reclaimed Water for Reuse	2045 New Waste Water Flow	2045 Potential New Additional Reclaimed Water for Reuse	2045 Total Potential Additional Reclaimed Water for Reuse	2045 Total Facility Treatment Flow	2018 Total Facility Treatment Flow	2018 Total Beneficial Reuse	Potential Existing Additional Reclaimed Water for Reuse	2045 New Waste Water Flow	2045 Potential New Additional Reclaimed Water for Reuse	2045 Total Potential Additional Reclaimed Water for Reuse	2045 Total Facility Treatment Flow
Dixie	SRWMD	0.28	0.52	-0.43	0.04	0.07	-0.36	0.32	0.28	0.52	-0.18	0.04	0.03	-0.15	0.32
Jefferson	SRWMD	0.15	0.16	-0.01	0.00	0.00	-0.01	0.15	0.15	0.16	0.00	0.00	0.00	0.00	0.15
Lafayette	SRWMD	0.20	0.20	0.00	0.00	0.00	0.00	0.20	0.20	0.20	0.00	0.00	0.00	0.00	0.20
Levy	SRWMD	0.33	0.33	0.00	0.03	0.03	0.03	0.36	0.33	0.33	0.00	0.03	0.02	0.02	0.36
Madison	SRWMD	0.82	0.82	0.00	0.02	0.02	0.02	0.83	0.82	0.82	0.00	0.02	0.01	0.01	0.83
Taylor	SRWMD	1.10	1.10	0.00	0.00	0.00	0.00	1.10	1.10	1.10	0.00	0.00	0.00	0.00	1.10
<b>Western Planning Region Total</b>		<b>2.87</b>	<b>3.12</b>	<b>-0.44</b>	<b>0.09</b>	<b>0.12</b>	<b>-0.32</b>	<b>2.96</b>	<b>2.87</b>	<b>3.12</b>	<b>-0.18</b>	<b>0.09</b>	<b>0.06</b>	<b>-0.12</b>	<b>2.96</b>

Notes:

- 1.) All estimates of reclaimed water and reuse flow are shown in million gallons per day.
- 2.) Rounding anomalies account for nominal discrepancies.
- 3.) 2018 Total facility treatment flow obtained from DEP 2018 Annual Reuse Inventory.
- 4.) Beneficial reuse for SJRWMD and SRWMD consists of uses in which reclaimed water takes the place of a pre-existing or potential use of higher quality water for which reclaimed water is suitable and as such does not match DEP's broader definition of reuse.
- 5.) Total potential additional reclaimed water for reuse calculated as potential existing additional reclaimed water for reuse plus potential new additional reclaimed water for reuse.
- 6.) 2045 Total facility treatment flow calculated as 2018 total facility treatment flow plus 2045 new waste water flow.
- 7.) Projections are not included for those service areas that do not currently have waste water treatment facilities.