Appendix B Population and Water Demand Projections

Introduction

This Appendix contains information on the methodology and data developed for use in the development of the water demand estimates and projections for the 2023 Joint North Florida Regional Water Supply Plan (NFRWSP) for six water use categories, as well as future reclaimed water supply and estimates of potential conservation. It also describes the methodologies used to determine the spatial distribution of projected groundwater withdrawals used in the groundwater flow model scenarios.

The North Florida Southeast-Georgia (NFSEG) groundwater flow model extends beyond the NFRWSP area into the Northwest and Southwest Florida Water Management Districts (NWFWMD/SWFWMD), Georgia, and South Carolina. This Appendix also includes sources and information pertaining to the water use data and demand projections within the NFSEG model boundary outside of the NFRWSP area.

Background and Water Use Categories

The planning horizon for the 2023 NFRWSP is 2020 to 2045. Population and water demand estimates and projections are a cornerstone for assessing the water needs and availability in regional water supply planning. The St. Johns River Water Management District (SJRWMD) and Suwannee River Water Management District (SRWMD) (Districts) develop water demand projections to evaluate "existing legal uses, anticipated future needs, and existing and reasonably anticipated sources of water and conservation efforts," as set forth in subparagraph 373.036(2)(b)4a, Florida Statutes (F.S.). The Districts' goals are to project water demands that are reasonable and based on the best information available at the time the projections were developed.

The baseline year, 2015 for the NFRWSP, is the year that acts as the starting point for water demand projections and is based on the best available data of reported and estimated water use. Water use in the baseline year is not a projection, but rather actual or estimated use. Both the SRWMD and the SJRWMD have specific requirements for monitoring and reporting of permitted withdrawals. For SRWMD, these requirements apply to wells with a primary casing inside diameter of eight inches or greater, as well as surface water pumps with a cumulative intake diameter of six inches or greater. The SJRWMD requires monitoring and reporting for average annual daily withdrawal equal to or exceeding 100,000 gallons per day on an average annual basis or withdrawals equipment or other facilities which have a capacity equal to or exceeding 1,000,000 gallons per day.

Five-Year Interval Intermediate Water Use Projections as required by subsection 62-40.531(1)(a), Florida Administrative Code (F.A.C.), must include water demand projections for five-year intervals during the planning period. The interval years should end on five or zero (e.g., 2020, 2025, 2030, etc.) as directed by the state format and guidelines for regional water supply planning (DEP 2019).

Water demands for this 2023 NFRWSP are estimated in 5-year increments (subsection 62-40.531(1)(a), F.A.C.) for the following six water use categories established by the Florida Department of Environmental Protection (DEP) and the state's five water management districts:

 Public Supply (PS) - This category includes water provided by any municipality, county, regional water supply authority, special district, public or privately-owned water utility, or multijurisdictional water supply authority for human consumption and other purposes with average annual permitted quantities of 0.1 million gallons per day (mgd) or greater.

2. Domestic Self-supply and Small Public Supply Systems (DSS)

- The DSS category consists of residential dwellings that are self-supplied water from a dedicated, on-site well and are not connected to a central utility.
- b. The DSS category also includes centralized Small Public Supply Systems (SPSS) that provide water for human consumption with average annual permitted quantities of less than 0.1 mgd.
- 3. **Agricultural (AG)** The AG category consists of water use associated with the irrigation of crops and other miscellaneous water uses associated with agricultural production (e.g., aquaculture, livestock).
- 4. Landscape/Recreational (LR) The LR category consists of self-supplied water use associated with the irrigation, maintenance, and operation of golf courses, cemeteries, parks, medians, attractions, common areas in residential areas, and other large green areas. This category also includes water use associated with ornamental or decorative purposes, such as fountains and waterfalls.

5. Commercial/Industrial/Institutional (CII) and Mining/Dewatering (MD)

- a. The CII category consists of self-supplied water use associated with the production of goods or provisions of services by CII establishments (e.g., general businesses, office complexes, commercial cooling and heating, bottled water, food and beverage processing, restaurants, gas stations, hotels, car washes, churches, hospitals, and prisons).
- b. The MD category consists of water use associated with mining (extraction and processing of subsurface materials and minerals) and long-term dewatering (removal of water to control surface or groundwater levels during construction or excavation activities).
- Power Generation (PG) The PG category consists of self-supplied water use associated with power plant and power generation facilities, including but not limited to water for steam generation, cooling, and replenishment of cooling reservoirs.

Other than the PS category, all other water use categories obtain water from dedicated, on-site wells and pumps and are not connected to a central utility. In addition to the six water use categories listed above, projections are developed for future reclaimed water flows that could potentially be used to partially offset water demand. Reclaimed water is treated domestic wastewater that has received at least secondary treatment and basic disinfection and is reused for a beneficial purpose. Water demands, reclaimed water flows, and estimates of potential conservation are expressed in average million gallons per day unless otherwise noted.

Data for the baseline year consists of reported and estimated water usage for 2015, whereas data for the years 2020 through 2045 are projected water demands. Water use estimates and demand projections for the six water use categories were calculated for the years 2015, 2020, 2025, 2030, 2035, 2040, and 2045 based on average rainfall conditions, in addition to a 1-in-10 year drought event for 2045. The 1-in-10 year drought event is defined as a year in which rainfall occurs at below normal levels whose frequency has a 10% probability of occurring in any given year. These below normal rainfall conditions result in an increase in water demands for four of the six water use categories. Future reclaimed water flows and estimates of potential conservation were also calculated for the year 2045.

Methodology

Data and Information Sources

The methodology to develop population and water demand estimates and projections uses many data sources such as:

- 1. Finished water supplied by PS and SPSS collected by DEP through Monthly Operating Reports (MORs).
- 2. Water use estimates reported by permittees to the Districts through the respective Consumptive Use Permit (CUP) programs.
- 3. The Districts published annual water use reports (SJRWMD 2015-2016, 2017a, 2018b, 2019; SRWMD 2019, 2020a, 2020b, 2020c).
- Agricultural water use estimates from the Florida Department of Agriculture and Consumer Services (FDACS) (FDACS 2017, 2020).
- 5. Permitted quantities and percentages of water use as reported in CUPs.
- 6. University of Florida's Bureau of Economic and Business Research (BEBR) publications (BEBR 2015-2016, 2017a, 2017b, 2018).
- 7. DEP Annual Reuse Inventory Report (DEP 2019a).
- 8. Power Plant 10-Year Site Plans collected by the Public Service Commission (PSC).

PS and DSS Population Estimates and Projections

In developing RWSPs, the Districts must consider BEBR medium population projections pursuant to subparagraph 373.709(2)(a)1a, F.S. The population projections developed by BEBR are commonly used in planning efforts throughout Florida. These projections are made at the county-level only (Rayer, S. and Y. Wang. 2020) and require distribution among PS (and SPSS) service area boundaries (PSABs) and parcels and DSS parcels.

SJRWMD

The SJRWMD has developed a model that distributes BEBR county-level estimates and projections to the individual parcel level (SJRWMD 2021). Using this model, the SJRWMD aggregated the parcel level population to each PS (and SPSS) service area in the NFRWSP area. This effort provided historic, future, and build-out permanent resident populations for each PS and SPSS. Because of the service area boundary characteristics, the estimated historic service area population may differ from estimates of utility population served. This difference can occur when a service area includes self-supplied populations that may be currently unserved by the respective utility. Stakeholder feedback resulted in adjustments to population projections for the utilities detailed in the attached Technical Memorandum "Documentation and Methodologies for Updating St. Johns River Water Management District 20202045 North Florida Regional Water Supply Plan Projections Resulting from Stakeholder Feedback" (SJRWMD, 2022).

DSS population was the population for all parcels outside of PS and SPSS PSABs, aggregated in five-year increments from 2015 to 2045. In some cases, a DSS population within PS and SPSS PSABs was identified through previously submitted account level billing data and well completion reports; this population was attributed to the DSS category. The DSS population by county (after adding the total population for each SPSS for each respective county) is shown in Table B-6.

SRWMD

The SRWMD used BEBR county-level population estimates for 2014-2018. These estimates were distributed within the county based on data provided by PS and SPSS utilities, correctional institutions, and parcel level data (SRWMD, 2021). The SRWMD applied the population model created by the SJRWMD to distribute projected future population within the county (SJRWMD 2021). This population model also estimated the projected future served populations within PSABs. After meeting with utilities, estimates and projections were revised to include any feedback that was received.

The DSS population for 2014-2018 and projected years (2020-2045) was estimated by taking the total BEBR county-wide population estimate and subtracting institutional population, PS residential served population, and the SPSS residential served

population (SRWMD, 2021). The DSS and small public supply population by county is shown in Table B-6.

PS Water Demand

Gross Per Capita Water Use

For PS and SPSS, the gross per capita water use is defined as the total raw water withdrawn (including residential and non-residential uses) for each individual permittee or system divided by its respective service area residential population expressed in average gallons per capita per day (gpcd).

A PS/SPSS specific gross gpcd was applied to each respective PS/SPSS service area projected residential population to calculate future average-year water demands. The source of the data varied (metered/surveyed data or raw water withdrawals and MOR data or finished water withdrawals), however most of the treatment methods currently used in the NFRWSP area have minimal treatment losses and any differences are assumed to be negligible. Water demand projections were based on the most recent five-year (2014-2018) average gross per capita rate (at the time the projections were developed), which accounts for annual variations in water use with respect to rainfall and recent implementation of conservation programs. In cases where water use data were not available from the sources identified, the Districts estimated values from historical data and trends.

For this NFRWSP, it is assumed that current levels of water conservation and use of reclaimed water will continue through the year 2045 planning horizon; additional conservation and the use of additional reclaimed water will be effective in reducing future water demands.

The Districts have observed a reduction in per capita water use over the last decade that may be attributed to a variety of factors, including economic conditions, indoor and outdoor conservation, and source substitution with reclaimed water. The use of a five-year average gross per capita accounts for some variability in these factors.

Estimated and projected water demand for each individual PS is shown in Table B-5a (and by county in Table B-5) and includes five-year increments from 2015 to 2045. A water demand projection for 2045 during a 1-in-10 year drought is also shown. Water demand for SPSS (individually listed in Table B-6a) was aggregated for each county and was added to the respective county demand for the DSS category (shown in Table B-6).

To calculate the 1-in-10 year water demand projections, the average year water demands were multiplied by 1.06 (corresponding to a six percent increase). The 1-in-10 year Drought Subcommittee of the Water Planning Coordination Group (WPCG) concluded that a six percent increase in water demand would occur in such an event for the PS water use category (WDPS 1998).

Spatial Groundwater Distribution

For groundwater modeling purposes, the projected groundwater demand and associated location of withdrawal needed to be determined. For example, there is one PS utility within the NFRWSP area that has surface water withdrawals (Manufactured Home Communities in Flagler County). For this CUP with surface water withdrawals, groundwater demand was estimated as the total water demand minus the permitted surface water withdrawal. The projected groundwater demand, specific to each PS and SPSS, was distributed evenly to their respective active or proposed wells/stations contained in their CUP. For those PS systems with multiple wellfields and/or specific wellfield allocations, the associated water demand was divided proportionally amongst the respective wellfields and then further to the wellfields' respective wells/stations.

DSS Water Demand

As stated above, water demand and population projections for SPSS are calculated individually but are combined with the DSS category for reporting purposes at the county level.

Residential Per Capita Water Use

For DSS, the residential per capita water use (also referred to as household) is defined as the water use for solely residential (indoor and outdoor) purposes. The residential gpcd was estimated from the county level residential population served and residential water use. To achieve this, the total water use for each year (2014-2018) for each PS and SPSS was reduced to reflect only the indoor and outdoor residential portion of the total PS and SPSS water use. This was calculated using data reported directly from PS and SPSS systems, as well as the percent of residential water use identified in a CUP. The resulting residential water use values for each PS and SPSS system were summed to the county level and divided by the total PS service area population (at county level) to obtain the county-level average 2014-2018 residential gpcd. The average 2014-2018 county level residential gpcd was then multiplied by the projected 2020, 2025, 2030, 2035, 2040, and 2045 DSS population (by county).

The DSS estimated and projected water demand by county (after adding the total water demand for SPSS) is shown in Table B-6 and includes five-year increments from 2015 to 2045. A water demand projection for 2045 during a 1-in-10 year drought is also included. Identical to PS, to calculate the 1-in-10 year water demand projections for DSS, the average year water demands were multiplied by 1.06.

Spatial Groundwater Distribution

Each SPSS future groundwater demand and location of withdrawal was spatially distributed as defined in the PS section.

Outside of PS and SPSS service areas, parcels with residential housing units were identified using FDOR data; for these parcels a point was added to the centroid of each identified parcel to represent a well/station. Within PS and SPSS service areas, where available, account level billing data and well completion reports were used to determine DSS within those respective PSABs. For these parcels a point was added to the centroid of each identified parcel to represent a well/station. The DSS water demand for each five-year increment was then distributed evenly among the identified DSS parcels, for each county respectively. For counties located in more than one water management district (e.g., Alachua County), the projected DSS water demand specific to each of the Districts was only applied to the DSS parcels identified within the respective Districts' portion of the county.

Agricultural Water Demand

Section 570.93, F.S., directs the FDACS to develop annual statewide agricultural acreage and water demand projections based on the same planning horizon used in water supply planning. Pursuant to paragraph 373.709(2)(a), F.S., the Districts are required to consider AG water demand projections produced by FDACS and that any adjustment or deviation from data provided by FDACS must be fully described, and the original data must be presented along with the adjusted data. FDACS publishes 20-year AG acreage and associated water demand projections in the annual Florida Statewide Agricultural Irrigation Demand (FSAID) reports, through a contract with The Balmoral Group. The fourth annual report (referred to as FSAID IV), which was published in June 2017 (FDACS 2017), was used for 2015 AG acreage estimates for the Districts and for 2015 AG water use in the SRWMD. The seventh annual report (referred to as FSAID VII), which was published in June 2020 (FDACS 2020), contains estimated and projected agricultural acreage and water demand projections for the State of Florida for five-year increments from 2020 to 2045, as well as a water demand projection for 2045 during a 1-in-10 year drought. Detailed methodology can be found in the FSAID VII Report.

Acreage

As noted above, the 2015 acreage estimates and 2020-2045 acreage projections were taken directly from FSAID IV and FSAID VII, respectively. The estimated and projected irrigated agricultural acreage by county is shown in Table B-7 in five-year increments from 2015 to 2045. Acreage by crop type is included in Table B-7a.

Demand

As stated above, water use estimates and water demand projections were taken directly from FSAID IV and FSAID VII, respectively. One exception for 2015 AG water use is where SJRWMD supplemented FSAID IV water use data with metered data for CUPs. Of note, for SJRWMD, 2015 was the second wettest year in the ten-year average of 2012-2021 (50.08") at 55.13". 2015 was 10.01% above the ten-year average. The estimated and projected agricultural water demand by county is shown in Table B-7 in

five-year increments from 2015 to 2045. Water demand for 2045 during a 1-in-10 year drought is also included. Water demand by crop type and miscellaneous type uses are included in Tables B-7a and B-7b.

Spatial Groundwater Distribution

The FSAID IV and FSAID VII (FDACS 2017, 2020) deliverable contains the location, in polygon format, of all estimated future agricultural water demand in the five-year increments necessary for groundwater modeling. SJRWMD used the FSAID IV and FSAID VII (FDACS 2017, 2020) deliverables and refined the data to account for those agricultural areas using surface water and converted the delivered polygon layer to a point layer (tied to CUP station location) for use in groundwater modeling. Detailed methodology regarding the conversion of polygon water demands to point water demands and the conversion of total water demands to reflect groundwater and surface water demands is available from SJRWMD (SJRWMD 2018a).

Landscape/Recreational Water Demand

Water demand for the LR category was projected at the county level using a respective historic LR average gpcd. The county specific LR average gpcd was calculated from LR average water use for 2014-2018 and BEBR estimates of county population for 2014-2018 (BEBR 2015-2016, 2017a, 2017b, 2018).

The average LR gpcd was applied to the additional population projected by BEBR (Rayer, S. and Y. Wang. 2020) for each five-year increment and the associated water demand was added to the 2015 baseline year water use.

The estimated and projected LR water demand by county is shown in Table B-8 in five-year increments from 2015 to 2045. Water demand for 2045 during a 1-in-10 year drought is also included.

The 1-in-10 year Drought Subcommittee of the WPCG, as stated in their final report, determined that values using agricultural (irrigation) models, historic data, and net irrigation ratios are acceptable when calculating the 1-in-10 year water demand projection. A factor was developed for each county, using the highest year water use from 2014-2018 and the percent increase from the 2014-2018 LR water use. For example, if water use in 2016 was X percent higher than the 2014-2018 five-year average, X percent was applied to the average 2045 water demand to project a 2045 1-in-10 year water demand.

Spatial Groundwater Distribution

The projected water demand for the LR category is only estimated at the county level. For groundwater modeling purposes, the groundwater demand and associated location of withdrawal needed to be determined. Several LR CUPs have surface water withdrawals; future groundwater demand for the respective future years at the county

level was calculated using the 2015 percent split between groundwater and surface water (via reported CUP data and the SJRWMD's published report (SJRWMD 2016)). The county level groundwater demand for future year scenarios was then distributed to the CUP level using a percent share method of permitted allocation. For example, if an LR CUP's groundwater allocation represented 10% of the county's total groundwater allocation in 2015, then the LR CUP allocation also maintained 10% of the county groundwater allocation in 2045. The estimated projected groundwater demand specific to each LR CUP was then distributed evenly to their respective active or proposed stations. For counties located in more than one District (e.g., Alachua County), the projected LR water demand specific to each District was only applied to the respective LRA CUPs and stations identified within the respective Districts' portion of the county. While future land use and potential new locations of LR polygons was not taken into consideration, the method applied is generally accepted as a valid method for regional planning purposes.

Commercial/Industrial/Institutional and Mining/Dewatering Water Demand

Water demands for the CII/MD category were projected at the county level using a respective historic CII/MD average gpcd. The county specific CII/MD average gpcd was calculated from CII/MD average water use for 2014-2018. CII/MD historic water use and water demand consists of only consumptive uses; recycled surface water and non-consumptive uses were removed. For this NFRWSP, surface water use by mining operations represents 5% of total surface water use, to account for the loss of water in mining products and evaporation. The remaining surface water was assumed to be recirculated in the mining process and, therefore, is considered non consumptive. For clarification, consumptive use for planning purposes is defined by the Districts as any use of water that reduces the supply from which it is withdrawn or diverted.

The CII/MD average gpcd was applied to the additional population projected by BEBR (Rayer, S. and Y. Wang. 2020) for each five-year increment and the associated water demand added to the 2015 baseline year water use. Three counties in the NFRWSP and one county in the western part of SRWMD have large CII users (e.g., paper and pulp mills) that are not impacted by population increases (Nassau, Putnam, Hamilton, and Taylor counties). The water use associated with these permits were removed from the average per capita calculations for future CII/MD water demands.

The estimated and projected CII/MD water demand by county is shown in Table B-9 in five-year increments from 2015 to 2045.

The 1-in-10 year Drought Subcommittee of the WPCG, as stated in their final report, determined that drought events do not have significant effects on water use in the CII/MD category. Water use for the CII category is related primarily to processing and production needs and therefore, the average water demands, and 1-in-10 water demands are assumed to be equal. Water use for the MD category is also not expected to increase during drought conditions.

Spatial Groundwater Distribution

See the LR spatial groundwater distribution explanation above. The methodology for spatial distribution of future groundwater for the CII/MD category for modeling purposes is the same, using the projected CII/MD future groundwater demands.

Power Generation Water Demand

Water demand was calculated for each PG facility and then summed to the county level for consumptive uses of water only; recycled surface water and non-consumptive uses were removed. Surface water use by PG facilities represents 2% of total surface water withdrawals to account for the loss of water due to evaporation and is included in the water demand projections. An example of this is surface water used for once-through cooling for power plants, which is recycled or returned to the withdrawal source.

The PSC requires that each PG facility produce detailed ten-year site plans for each of its facilities. These plans include planned facilities and generating capacity expansion. The 2020 ten-year site plans for each PG facility within the NFRWSP area were downloaded from the PSC website (http://www.psc.state.fl.us) and were used in developing the PG water demand projections.

In order to project future water demand, the NFRWSP utilized a methodology that incorporated historic and projected customers, historic and projected megawatts, and the average daily gallon per megawatt use for 2014-2018. Each ten-year site plan contains information regarding historic and projected customers and megawatts, as well as planned capacity expansions or facility closures. The majority of the ten-year site plans extended through year 2029. The average customer growth rate was used to extrapolate projected customers beyond the ten-year site plans through the planning period of 2045. Using the last year data in each ten-year site plan, a megawatt use per customer was calculated and then applied to the future customers to project future megawatts. Future groundwater demand for 2030-2045 was calculated by applying the (2014-2018) average gallons used per historic megawatt to the projected megawatts specific to each PG facility.

Water demands are very specific to each PG facility, as PG facilities are among the most efficient of freshwater users. The Districts contacted each PG facility located in the NFRWSP area to determine if the methodology employed and described above produced projections reflective of their future water needs. The Districts received responses back from both Duke and JEA; resulting in a reduction of the demand projections initially developed.

The estimated and projected PG water demand by county is shown in Table B-10 in five-year increments from 2015 to 2045. The projections for individual PG facilities is included in Table B-10a.

The 1-in-10 year Drought Subcommittee of the WPCG, as stated in their final report, determined that drought events do not have significant effects on water use in the PG category. Water use for this category is related primarily to processing and cooling needs and therefore, the average water demands and 1-in-10 water demands are assumed to be equal.

Spatial Groundwater Distribution

Similar to the PS category, future water demand was projected in five-year increments through 2045 for each PG facility in the NFRWSP area. However, groundwater and surface water were projected separately for each facility based on the five-year (2014-2018) average gallons used per historic megawatt. The future groundwater demand, specific to each PG facility, was distributed evenly to their respective active or proposed wells/stations in their CUP or DEP power plant siting act plan.

Review of Population and Water Demand Projections

Water provider specific water use estimates and water demand projections were distributed to each water provider for review and comment. Changes and comments have been incorporated where appropriate. Because this is a long-term planning effort, methodology changes based on short-term trends were not incorporated. However, additional refinements in the future may be considered as population and water use is continually monitored. Comments and suggested changes may be taken into consideration if they are justifiable, defensible, based on historical regression data and long-term trends, and supported by complete documentation.

Summary of Population and Water Demand Projections

The methodologies for calculating population and water demand projections for the six water use categories, as well as future reclaimed water flows and conservation potential (described below) are consistent with the specific plans of major water users at the time projections were made. The projections in this NFRWSP assume that the current levels of water conservation efforts and the use of reclaimed water will continue through the year 2045 planning horizon. If water conservation efforts and the use of reclaimed water within the NFRWSP area are implemented at rates higher than historic rates, then 2045 actual water use will be less than projected under average climatic conditions.

2045 Reclaimed Water Projections

Projections of future reclaimed water flows were made for domestic wastewater treatment facilities (WWTF) with 2018 permitted wastewater treatment capacities equal to or greater than 0.1 mgd (DEP 2019a).

Existing Flows

The 2018 flows were separated by total WWTF flow and beneficial reuse. For this NFRWSP, beneficial reuse was considered to be only those uses in which reclaimed water takes the place of an existing or potential use of higher quality water for which reclaimed water is suitable, such as water used for landscape irrigation. Generally, delivery of reclaimed water to sprayfields, absorption fields, and rapid infiltration basins (RIBs) are not considered beneficial reuse, unless located in recharge areas (Table B-1 and Figure B-1).

Table B-1. Facilities in the NFRWSP area with reuse and disposal flows

Мар	Facility	Total Treated	Actual Utilization	Disposal Flow
ID 1	Plantation Bay WWTF	Flow (mgd)	(mgd) 0.13	(mgd) 0.00
<u>'</u>	Green Cove Springs, City of -	0.13	0.13	0.00
2	South WWTF	0.29	0.00	0.29
3	Sawgrass WWTF	0.81	0.37	0.44
4	Flagler Beach, City of WWTF	0.69	0.00	0.69
5	Hilliard, Town of WWTF	0.33	0.00	0.33
6	Matanzas Shores WWTF	0.11	0.00	0.11
7	Fleming Island Regional WWTF	5.68	5.06	0.62
8	Newberry, City of WWTF	0.21	0.21	0.00
9	Trenton WWTF	0.09	0.09	0.00
10	Southwest Water Reclamation	12.42	0.37	12.05
11	Ponce De Leon WWTF	0.04	0.00	0.04
12	SR - 6/I-75 WWTF	0.03	0.03	0.00
13	Northwest Wastewater Treatment Plant	1.61	1.61	0.00
14	Neptune Beach, City of WWTF	0.68	0.00	0.68
15	Hawthorne, City of WWTF	0.14	0.14	0.00
16	St. Augustine, City of - #1 WWTF	4.21	0.25	3.96
17	Jacksonville Beach WWTP	2.84	0.54	2.30
18	US Naval Station Mayport	0.69	0.00	0.69
19	Crescent City, City of WWTF	0.11	0.11	0.00
20	Nassau Regional WWTF	1.65	0.81	0.84
21	Fernandina Beach, City of WWTF	1.67	0.00	1.67
22	Bunnell, City of WWTF	0.55	0.39	0.16
23	Florida State Prison WWTF	1.01	1.01	0.00
24	SR-207 WWTF	0.17	0.17	0.00
25	Jasper, City of - WWTF	0.63	0.00	0.63
26	Anastasia Island WWTF	2.73	0.16	2.57
27	Hastings, Town of WWTF	0.11	0.00	0.11
28	Lake City, City of - WWTF	2.76	2.71	0.05
29	Orange Park, Town of - WWTF	0.99	0.00	0.99
30	Marsh Landing WWTF	0.56	0.23	0.33
31	Amelia Island WWTF	0.67	0.67	0.00
32	Baldwin WWTF	0.30	0.00	0.30
33	Columbia Correctional Institution WWTF	0.41	0.41	0.00

Map ID	Facility	Total Treated Flow (mgd)	Actual Utilization (mgd)	Disposal Flow (mgd)
34	GRU - Kanapaha WRF	11.63	11.63	0.00
35	Bulow Plantation	0.04	0.00	0.04
36	Buckman RMF	29.82	3.65	26.17
37	Jennings, Town of WWTF	0.14	0.14	0.00
38	Dunes Community Development District	2.09	2.09	0.00
39	Palm Coast Wastewater Treatment Facility	7.96	6.72	1.24
40	Lake Butler, City of WWTF	0.54	0.54	0.00
41	North Beach Utilities WWTF	0.28	0.00	0.28
42	GRU - Main St WRF	11.63	11.63	0.00
43*	Beach Haven WWTF	0.00	0.00	0.00
44	Innlet Beach WWTF	0.24	0.21	0.03
45	Palatka, City of WWTF	2.00	1.66	0.34
46	Green Cove Springs Harbor Road WWTF	0.50	0.25	0.25
47	Live Oak, City of WWTF	0.95	0.94	0.01
48	NAS Jacksonville WWTF	0.66	0.11	0.55
49	Fang - Camp Blanding WWTF	0.13	0.00	0.13
50	Blacks Ford WRF	35.63	11.34	24.29
51	High Springs, City of WWTF	0.16	0.16	0.00
52	Alachua, City of - AWRF	0.72	0.69	0.03
53	Branford, Town of WWTF	0.06	0.06	0.00
54	University of Florida WWTF	1.74	0.94	0.80
55	Normandy Village WWTF	0.35	0.00	0.35
56	Baker Correctional WWTF	0.21	0.21	0.00
57	Lancaster Correctional Institution WWTF	0.10	0.10	0.00
58	Macclenny, City of WWTF	0.87	0.00	0.87
59	Players Club South WWTF	0.43	0.15	0.28
60	Callahan, Town of WWTF	0.14	0.00	0.14
61	Advent Christian Village WWTF	0.04	0.04	0.00
62	District 2 Water Reclamation	5.79	1.34	4.45
63	Monterey WRF	1.64	0.00	1.64
64*	Peter's Creek WWTF (Green Cove West)	0.00	0.00	0.00
65*	Keystone Heights WWTF	0.00	0.00	0.00
66	Starke, City of WWTF	0.75	0.16	0.59
67	Atlantic Beach, City of - WWTF	1.81	0.00	1.81
68	East Putnam County RO WTP	0.14	0.00	0.14
69	White Springs, Town of WWTF	0.06	0.06	0.00
70	Ponte Vedra Water Reclamation Facility [WRF]	0.30	0.26	0.04
71	River Park Mobile Home Park WWTF	0.03	0.03	0.00
72	Spencer WWTF	2.99	0.00	2.99

^{*}Facilities with a total treated flow of zero mgd are not represented in Figure B-1.

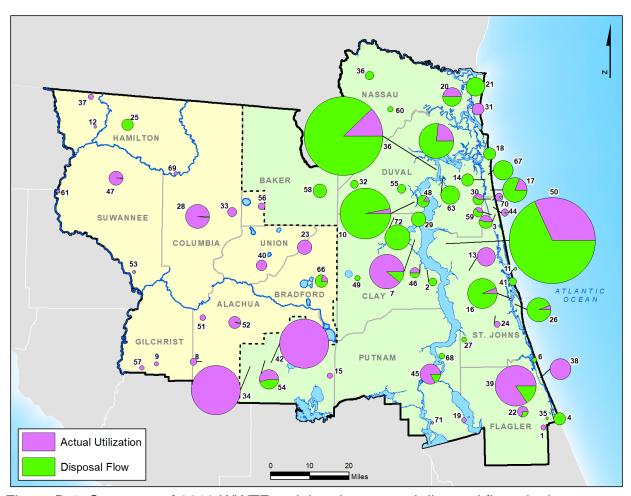


Figure B-1. Summary of 2018 WWTF reclaimed water and disposal flows in the NFRWSP area

The DEP regards several applications of reclaimed water as reuse that the Districts do not. Therefore, it is common for the Districts' beneficial reuse quantities to be lower than that of DEP. The Districts require the application to achieve a water resource benefit in order to qualify as reuse. Reuse must take the place of an existing or potential use of higher-quality water or be used to grow useful crops, restore or maintain adopted minimum flows and/or levels of a river, lake, or wetland, or effectively recharge a useable aquifer. An application that does not meet any of these criteria is considered by the Districts to be disposal. Reclaimed water applications considered to be reuse by DEP, but disposal by the Districts are underground injection, absorption fields and RIBs located in discharge areas, surface water augmentation where not required, spray fields, and artificial wetlands. Reclaimed water applications for underground injection, absorption fields and rapid infiltration basins will be considered beneficial if they are located in recharge areas, as identified via studies or through consumptive use permitting.

The DEP has a statewide reuse utilization goal of 75% (DEP 2003). Typically for planning purposes, the amount of WWTF flow in the baseline year not being utilized

beneficially is multiplied by 75% and this amount is considered as potential existing additional reclaimed water that could be used for beneficial reuse. When determining how much WWTF flow can be utilized, it is recognized that each WWTF is unique and items such as system upgrades and treatment, additional storage, expansion of system, customer availability, and other factors have to be taken into consideration. Although 2015 is recognized as the base year, the Districts evaluated existing beneficial flows as of 2018 (DEP 2019a) because this was the most recent year of data that was within the scope of the plan. It was noted that many utilities in the NFRWSP area have implemented reclaimed water projects.

Future Flows

Using PSABs and CUPs, the Districts identified areas that have the potential to be connected to central sewer systems as a result of population growth. The 2018-2045 increase in population associated for each WWTF service area identified was obtained using the parcel-level projections, as described above. It was assumed that 95% of the identified population increase will receive sewer service and thereby return wastewater for treatment to a WWTF. It is acknowledged that the percentage of population growth and resulting wastewater flows will vary for individual service providers due to a number of factors.

According to empirical sources, increased population will generate approximately 73 gpcd of wastewater flows to the local WWTF. The 73 gpcd represents an average of 58.6 gpcd of wastewater generated by residential customers (indoor use; AWWA, 2016, Vickers 2001, Mayer, P and W. DeOreo, 1999), and 15 gpcd of wastewater return flows for employees at a commercial/industrial facility according to chapter 64E-6, F.A.C., "Standards for Onsite Sewage Treatment and Disposal Systems", rule 64E-6.008 System Size Determinations, section (1)(B) Table I (effective date 6/25/2009) - System Design.

For the purposes of the NFRWSP, the Districts also created a future reclaimed water scenario using the 2018 percent beneficial reuse utilization for existing and future flows, which assumes that no changes to current treatment processes are made (e.g., WWTF upgrade).

Only a portion of the existing and future wastewater treated for reuse is actually used to offset water demands that would otherwise require the use of fresh groundwater. The amount of potable offset that is typically achieved utility-wide is approximately 65% to 75%; however, the potable offset can range from 50% to as much as 100%, depending on the type of use being replaced. While the amount of potable offset that is achieved by reuse is dependent upon the demographics of a particular WWTF's service area, the projected wastewater flows do not represent an amount equal to the water demand reduction due to system losses and inefficiencies of reuse by customers.

Reclaimed water systems are unique to each utility and the potential WWTF flow estimated for this NFRWSP may not necessarily represent the amount of reclaimed

water that could be used in projects. Current treatment processes, WWTF capacities, storage and infrastructure, and inflow and infiltration reduction programs should be considered and could potentially impact the utilization cost of additional or currently available reclaimed water. Likewise, future and existing reclaimed water utilization may be higher than the scenarios presented if the WWTF provided reclaimed water for reuse to more efficient customers. In addition, potential future wastewater flows could be less if additional residential indoor water conservation is achieved. For example, AWWA has identified on their website (www.Drinktap.org) that if residences installed, for every instance, more efficient water fixtures and regularly checked for leaks, daily indoor water use (and associated wastewater flow) could potentially be reduced to 45.2 gpcd (Vickers 2001).

Detailed flows and projections for 2018 and 2045 for each identified WWTF and county are included in Tables B-13 to B-15.

Spatial Distribution

The Districts did not attempt to identify where future reclaimed water flows or beneficial reuse will occur.

2045 Estimated Water Conservation Potential

Current water conservation potential for the 2023 NFRWSP area was calculated in order to gauge the future benefit of effective water conservation. For the 2023 NFRWSP, all categories of water use, except agriculture, utilized the results in the 2020 Central Florida Water Initiative (CFWI) Regional Water Supply Plan (RWSP) as the basis for estimating water conservation potential (CFWI 2020). Table 1 is excerpted from page 50 of the 2020 CFWI RWSP which was developed in partnership with stakeholders and is based on an in-depth assessment of the conservation potential from implementing best management practices. More detailed information on how water conservation estimates were developed in the CFWI can be found can be found at https://cfwiwater.com/waterconservation.html and in the 2020 CFWI RWSP (CFWI 2020).

Table 1, CFWI projected 2040 water demand and water conservation savings

Category	Projected 2040 Water Demand (mgd)	Projected 2040 Water Conservation Savings (mgd)
Public Supply	592.28	41.50 – 44.16
Domestic and Small Public Supply	24.59	0.86
Agriculture	163.49	4.19
Landscape/Recreational	46.96	2.22
Commercial/Industrial/Institutional	69.00	1.55 – 4.40
Power Generation	11.27	1.55 – 4.40
Total	907.59	50.32 - 55.83

For agriculture, water conservation savings were estimated from the FDACS - FSAID VII Final Report (FDACS 2020). Additionally, a second scenario of water conservation

potential based on per capita rates was estimated for the public supply and domestic self-supply (DSS) water use categories.

For the first water conservation scenario, the Districts used the low-end estimates from the 2020 CFWI RWSP plus the FSAID VII estimates (Table B-16). For the 2023 NFRWSP, the resulting percentage savings derived from the 2020 CFWI RWSP in Table 1 will be applied to all of the water use categories (except agriculture). See Table 2 for the estimated percentage savings.

Table 2. Percentage Savings Calculated from the 2020 CFWI RWSP

Category	Estimated Percent Savings
Public Supply	7.0
Domestic Self Supply and Small Public Supply	3.5
Agriculture*	N/A*
Landscape/Recreational	4.7
Commercial Industrial/Institutional	2.2
Power Generation	13.8

^{*}For agriculture, FSAID VII will be used to estimate water conservation potential.

The second water conservation scenario involved the public supply and DSS water use categories. For these two water use categories, the Districts calculated the average 2014-2018 gross per capita rates for the SJRWMD and SRWMD portions of the NFRWSP area (Table B-17 and B-18). If a public supply utility gross per capita was greater than the average 2014-2018 gross per capita, it was revised to reflect the demand based on the respective Districts' average 2014-2018 gross per capita multiplied by the public supply utility's 2045 population projections. This revised demand represents the water conservation potential for the public supply utility based on meeting the lower gross per capita average. For DSS, the corresponding percent reduction in the total public supply water demand by county using the per capita rate average was then applied to DSS 2045 water demand, resulting in the second scenario of DSS water conservation.

NWFWMD and SWFMWD Water Use and Projections

The NWFWMD and SWFWMD provided their water use estimates and projections. These data were incorporated into the 2023 NFRWSP geodatabase. Details concerning the development of the NWFWMD and SWFWMD data and projections should be directed back to the respective water management districts.

Georgia and South Carolina Water Use

Districts obtained water use data and projections through 2050 from the Georgia Environmental Protection Division (GEPD). The data were spatially distributed by staff and provided to GEPD for review. In June 2021, GEPD staff provided comments concerning surface water distribution which were addressed, and the resulting distribution was incorporated into the 2023 NFRWSP geodatabase. Additional

information on the Georgia data and projections can be obtained from the GEPD at: <u>Georgia Water Planning.</u> South Carolina data was obtained from the US. Geological Survey at: <u>ScienceBase Catalog Home.</u> Details on how the data were distributed can be found in the *Methodology for the Spatial Distribution of Historic Water Use and Projected Water Demand for Georgia and South Carolina* (SJRWMD 2020).

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Table B-1. Population Estimates for 2015 and Population Projections for 2020-2045, by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District

Table D-1.1 c	pulation Estimates i	or zo io and i op	diation i rojectio	113 101 2020-	2040, by 000	nty, in recylor	II I OI LIIC OL. U	JOHNS PRIVEL TVE	ator iviarragen	ICITE DISTRICT BITC	THE HOLLITTIC	rida regiona	water ouppry	I fairfilling rice	JIOIT OF THE OU	vannee River v	vator manage	ATTICITE DISTRICT.																			
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Alachua	SPWMD	N/A	N/A	203,104	193,618	9,486	N/A	N/A	210,430	200,674	9,756	N/A	N/A	220,210	210,090	10,120	N/A	N/A	231,023	219,025	11,998	N/A	N/A	237,903	225,905	11,998	N/A	N/A	245,027	231,938	13,089	N/A	N/A	251,193	230,075	14,518	24%
Alachua	CITTAIN	N/A	N/A	51,364	22,595	28,769	N/A	N/A	58,905	25,652	33,253	N/A	N/A	60,825	26,022	34,803	N/A	N/A	60,095	27,674	32,421	N/A	N/A	61,797	29,142	32,655	N/A	N/A	61,849	29,640	32,209	N/A	N/A	61,558	29,934	31,624	20%
Alachua	Total	254,893	253,603	254,468	216,213	38,255	269,800	269,800	269,335	226,326	43,009	281,500	281,500	281,035	236,112	44,923	291,600	291,600	291,118	246,699	44,419	300,200	300,200	299,700	255,047	44,653	307,400	307,400	306,876	261,578	45,298	313,300	313,300	312,751	266,609	46,142	23%
Baker	SJRWMD	N/A	N/A	26,556	6,865	19,691	N/A	N/A	27,440	7,045	20,395	N/A	N/A	28,838	7,309	21,529	N/A	N/A	30,026	7,833	22,193	N/A	N/A	30,922	7,998	22,924	N/A	N/A	31,667	8,030	23,637	N/A	N/A	32,394	8,030	24,364	22%
Baker	SRWMD	N/A	N/A	503	0	503	N/A	N/A	521	0	521	N/A	N/A	549	0	549	N/A	N/A	573	0	573	N/A	N/A	591	0	591	N/A	N/A	609	0	609	N/A	N/A	623	0	623	24%
Baker	Total	27,017	24,919	27,059	6,865	20,194	28,500	26,661	27,961	7,045	20,916	29,900	28,061	29,387	7,309	22,078	31,100	29,261	30,599	7,833	22,766	32,000	30,161	31,513	7,998	23,515	32,900	31,061	32,276	8,030	24,246	33,600	31,761	33,017	8,030	24,987	22%
Bradford	SJRWMD	N/A	N/A	2,289	115	2,174	N/A	N/A	2,475	122	2,353	N/A	N/A	2,872	145	2,727	N/A	N/A	3,069	155	2,914	N/A	N/A	3,069	155	2,914	N/A	N/A	3,234	155	3,079	N/A	N/A	3,418	155	3,263	49%
Bradford	SRWMD	N/A	N/A	20,751	7,462	13,289	N/A	N/A	21,094	8,843	12,251	N/A	N/A	21,097	9,029	12,068	N/A	N/A	21,120	9,181	11,939	N/A	N/A	21,351	9,301	12,050	N/A	N/A	21,282	9,398	11,884	N/A	N/A	20,956	9,542	11,414	1%
Bradford	Total	27,310	24,384	23,040	7,577	15,463	28,800	26,878	23,569	8,965	14,604	29,200	27,278	23,969	9,174	14,795	29,500	27,578	24,189	9,336	14,853	29,800	27,878	24,420	9,456	14,964	30,000	28,078	24,516	9,553	14,963	30,300	28,378	24,374	9,697	14,677	6%
Clay	SJRWMD	201,277	201,277	202,600	137,842	64,758	219,000	219,000	220,871	156,111	64,760	236,800	236,800	247,378	182,502	64,876	252,500	252,500	275,396	210,459	64,937	265,000	265,000	306,470	241,460	65,010	275,600	275,600	322,769	257,818	64,951	285,100	285,100	338,510	273,618	64,892	67%
Columbia	SRWMD	68,163	64,037	64,037	18,767	45,270	70,500	66,323	66,323	19,425	46,898	73,500	69,323	69,323	19,986	49,337	76,000	71,823	71,823	20,551	51,272	78,000	73,823	73,823	21,134	52,689	79,700	75,523	75,523	21,730	53,793	81,200	77,023	77,023	22,346	54,677	20%
Duval	SJRWMD	905,574	905,574	851,884	693,374	158,510	985,500	985,500	1,027,320	863,174	164,146	1,051,900	1,051,900	1,073,631	904,898	168,733	1,104,300	1,104,300	1,117,321	946,901	170,420	1,148,700	1,148,700	1,159,034	988,155	170,879	1,185,300	1,185,300	1,200,741	1,031,118	169,623	1,216,200	1,216,200	1,238,401	1,070,918	167,483	45%
Flagler	SJRWMD	101,353	101,353	99,769	94,805	4,964	113,400	113,400	113,387	107,845	5,542	126,500	126,500	126,488	120,892	5,596	138,300	138,300	137,761	130,769	6,992	148,400	148,400	146,696	139,582	7,114	157,300	157,300	152,470	145,212	7,258	165,200	165,200	157,026	149,355	7,671	57%
Gilchrist	SRWMD	16,839	16,158	16,158	2,125	14,033	18,000	17,214	17,214	2,220	14,994	18,900	18,114	18,114	2,486	15,628	19,700	18,914	18,914	2,710	16,204	20,400	19,614	19,614	2,863	16,751	20,900	20,114	20,114	2,880	17,234	21,400	20,614	20,614	2,880	17,734	28%
Hamilton	SRWMD	14,630	12,141	12,141	5,076	7,065	14,600	12,081	12,081	5,212	6,869	14,800	12,281	12,281	5,255	7,026	14,900	12,381	12,381	5,278	7,103	14,900	12,381	12,381	5,278	7,103	14,900	12,381	12,381	5,278	7,103	15,000	12,481	12,481	5,312	7,169	3%
Nassau	SJRWMD	76,536	76,536	77,817	69,384	8,433	86,900	86,900	68,650	59,112	9,538	95,800	95,800	78,852	67,336	11,516	103,100	103,100	88,870	76,515	12,355	109,100	109,100	96,828	83,392	13,436	114,300	114,300	104,742	90,431	14,311	118,900	118,900	112,428	97,308	15,120	44%
Putnam	SJRWMD	72,756	72,756	77,620	21,222	56,398	73,300	73,300	78,189	21,894	56,295	73,600	73,600	78,461	22,161	56,300	73,700	73,700	78,596	22,292	56,304	73,900	73,900	78,825	22,515	56,310	74,100	74,100	79,058	22,741	56,317	74,300	74,300	79,317	22,993	56,324	2%
St. Johns	SJRWMD	213,566	213,566	216,513	173,216	43,297	263,900	263,900	300,530	248,420	52,110	309,300	309,300	348,452	296,645	51,807	347,600	347,600	385,610	334,151	51,459	379,400	379,400	420,358	369,247	51,111	408,100	408,100	453,570	402,807	50,763	434,900	434,900	487,953	437,538	50,415	125%
Suwannee	SRWMD	44,452	41,532	41,532	7,491	34,041	45,900	43,899	43,899	8,125	35,774	48,300	46,299	46,299	8,961	37,338	50,400	48,399	48,399	9,527	38,872	52,100	50,099	50,099	10,012	40,087	53,500	51,499	51,499	10,265	41,234	54,700	52,699	52,699	10,438	42,261	27%
Union	SRWMD	15,918	11,015	11,015	1,742	9,273	15,500	10,624	10,767	1,850	8,917	15,600	10,724	10,867	1,885	8,982	15,600	10,724	10,867	1,885	8,982	15,700	10,824	10,967	1,905	9,062	15,700	10,824	10,967	1,905	9,062	15,700	10,824	10,967	1,905	9,062	0%
SJRWMD	Region 1 Total	N/A	N/A	1,758,152	1,390,441	367,711	N/A	N/A	2,049,292	1,664,397	384,895	N/A	N/A	2,205,182	1,811,978	393,204	N/A	N/A	2,347,672	1,948,100	399,572	N/A	N/A	2,480,105	2,078,409	401,696	N/A	N/A	2,593,278	2,190,250	403,028	N/A	N/A	2,700,640	2,296,590	404,050	54%
SRWMD	NFRWSP Total	N/A	N/A	217,501	65,258	152,243	N/A	N/A	230,804	71,327	159,477	N/A	N/A	239,355	73,624	165,731	N/A	N/A	244,172	76,806	167,366	N/A	N/A	250,623	79,635	170,988	N/A	N/A	254,224	81,096	173,128	N/A	N/A	256,921	82,357	174,564	18%
NFR	WSP Total	2.040.284	2.018.851	1.975.653	1.455.699	519,954	2.233.600	2.215.480	2.280.096	1.735.724	544.372	2,405,600	2.387.480	2.444.537	1.885.602	558,935	2.548.300	2.530.180	2.591.844	2.024.906	566,938	2.667.600	2.649.480	2.730.728	2.158.044	572,684	2.769.700	2.751.580	2.847.502	2.271.346	576,156	2.859.800	2.841.680	2.957.561	2.378.947	578,614	50%
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Table B-2. Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

		W	ater Use)												Demand F	Projections	s (5-in-10)											Percent	Dem	nand Project	tions (1-in-	10)
Category	District		2015			2	020			202	25			20:	30			203	5			20	40			2	045		Change		204	.5	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	179.92	0.07	179.99	198.84	0.03	0.00	198.87	218.06	0.03	0.00	218.09	233.66	0.03	0.00	233.69	247.01	0.03	1.51	248.55	251.63	0.03	10.07	261.73	255.42	0.03	18.60	274.05	52%	287.48	0.03	29.09	288.92
Public Supply	SRWMD	9.32	0.00	9.32	10.13	0.00	0.00	10.13	12.63	0.00	0.00	12.63	13.05	0.00	0.00	13.05	13.41	0.00	0.00	13.41	13.64	0.00	0.00	13.64	13.83	0.00	0.00	13.83	48%	14.67	0.00	0.00	14.67
Public Supply	Total	189.24	0.07	189.31	208.97	0.03	0.00	209.00	230.69	0.03	0.00	230.72	246.71	0.03	0.00	246.74	260.42	0.03	1.51	261.96	265.27	0.03	10.07	275.37	269.25	0.03	18.60	287.88	52%	302.15	0.03	29.09	303.59
Domestic Self-supply and Small Public																																	
Supply Systems	SJRWMD	30.94	0.00	30.94	33.60	0.00	0.00	33.60	34.47	0.00	0.00	34.47	35.04	0.00	0.00	35.04	35.35	0.00	0.00	35.35	35.47	0.00	0.00	35.47	35.58	0.00	0.00	35.58	15%	37.71	0.00	0.00	37.71
Domestic Self-supply and Small Public																																	
Supply Systems	SRWMD	9.33	0.00	9.33	9.79	0.00	0.00	9.79	10.20	0.00	0.00	10.20	10.33	0.00	0.00	10.33	10.55	0.00	0.00	10.55	10.70	0.00	0.00	10.70	10.84	0.00	0.00	10.84	16%	11.39	0.00	0.00	11.39
Domestic Self-supply and Small Public		i i								l l															Ī								
Supply Systems	Total	40.27	0.00	40.27	43.39	0.00	0.00	43.39	44.67	0.00	0.00	44.67	45.37	0.00	0.00	45.37	45.90	0.00	0.00	45.90	46.17	0.00	0.00	46.17	46.42	0.00	0.00	46.42	15%	49.10	0.00	0.00	49.10
Agricultural Irrigation Self-supply	SJRWMD	45.35	2.66	48.01	57.93	3.57	0.00	61.50	58.47	3.65	0.00	62.12	58.88	3.63	0.00	62.51	59.39	3.65	0.00	63.04	59.80	3.69	0.00	63.49	60.22	3.68	0.00	63.90	33%	85.99	3.59	0.00	89.58
Agricultural Irrigation Self-supply	SRWMD	88.93	0.00	88.93	88.14	0.00	0.00	88.14	93.13	0.00	0.00	93.13	97.13	0.00	0.00	97.13	101.79	0.00	0.00	101.79	106.56	0.00	0.00	106.56	111.50	0.00	0.00	111.50	25%	141.90	0.00	0.00	141.90
Agricultural Irrigation Self-supply	Total	134.28	2.66	136.94	146.07	3.57	0.00	149.64	151.60	3.65	0.00	155.25	156.01	3.63	0.00	159.64	161.18	3.65	0.00	164.83	166.36	3.69	0.00	170.05	171.72	3.68	0.00	175.40	28%	227.89	3.59	0.00	231.48
Landscape / Recreational Self-supply	SJRWMD	4.22	11.20	15.42	4.91	13.46	0.00	18.37	5.43	14.96	0.00	20.39	5.83	16.23	0.00	22.06	6.19	17.38	0.00	23.57	6.52	18.42	0.00	24.94	6.80	19.48	0.00	26.28	70%	9.30	24.84	0.00	33.64
Landscape / Recreational Self-supply	SRWMD	2.72	0.00	2.72	2.91	0.00	0.00	2.91	2.99	0.00	0.00	2.99	3.03	0.00	0.00	3.03	3.10	0.00	0.00	3.10	3.14	0.00	0.00	3.14	3.17	0.00	0.00	3.17	17%	3.46	0.00	0.00	3.46
Landscape / Recreational Self-supply	Total	6.94	11.20	18.14	7.82	13.46	0.00	21.28	8.42	14.96	0.00	23.38	8.86	16.23	0.00	25.09	9.29	17.38	0.00	26.67	9.66	18.42	0.00	28.08	9.97	19.48	0.00	29.45	62%	12.76	24.84	0.00	37.10
Commercial / Industrial / Institutional Self-	10101	0.34	11.20	10.14	7.02	13.40	0.00	21.20	0.42	14.30	0.00	23.30	0.00	10.23	0.00	23.03	3.23	17.30	0.00	20.07	3.00	10.42	0.00	20.00	9.91	13.40	0.00	29.43	02 /6	12.70	24.04	0.00	37.10
sunnly	SJRWMD	52.30	25.16	77.46	54.97	25.40	0.00	80.37	55.83	25.49	0.00	81.32	56.65	25.56	0.00	82.21	57.40	25.64	0.00	83.04	58.14	25.72	0.00	83.86	58.81	25.79	0.00	84.60	9%	58.81	25.79	0.00	84.60
Commercial / Industrial / Institutional Self-	COLCULIO	32.30	23.10	77.40	34.31	20.40	0.00	00.07	33.03	20.40	0.00	01.02	30.03	20.00	0.00	02.21	37.40	23.04	0.00	00.04	30.14	20.12	0.00	03.00	30.01	20.10	0.00	04.00	370	30.01	25.75	0.00	04.00
supply	SRWMD	28.56	17.19	45.75	28.82	17.19	0.00	46.01	29.04	17.19	0.00	46.23	29.23	17.19	0.00	46.42	29.40	17.19	0.00	46.59	29.52	17.19	0.00	46.71	29.61	17.19	0.00	46.80	2%	29.61	17.19	0.00	46.80
Commercial / Industrial / Institutional		i i								i i				Ì				İ		i					Ī					İ			
Self-supply	Total	80.86	42.35	123.21	83.79	42.59	0.00	126.38	84.87	42.68	0.00	127.55	85.88	42.75	0.00	128.63	86.80	42.83	0.00	129.63	87.66	42.91	0.00	130.57	88.42	42.98	0.00	131.40	7%	88.42	42.98	0.00	131.40
Power Generation Self-supply	SJRWMD	7.33	12.48	19.81	6.05	13.40	0.00	19.45	6.24	13.78	0.00	20.02	6.50	14.35	0.00	20.85	6.95	15.44	0.00	22.39	7.43	16.59	0.00	24.02	7.93	17.83	0.00	25.76	30%	7.93	17.83	0.00	25.76
Power Generation Self-supply	SRWMD	1.87	0.06	1.93	1.83	0.05	0.00	1.88	1.74	0.05	0.00	1.79	1.78	0.05	0.00	1.83	1.85	0.05	0.00	1.90	1.93	0.05	0.00	1.98	2.00	0.05	0.00	2.05	6%	2.00	0.05	0.00	2.05
Power Generation Self-supply	Total	9.20	12.54	21.74	7.88	13.45	0.00	21.33	7.98	13.83	0.00	21.81	8.28	14.40	0.00	22.68	8.80	15.49	0.00	24.29	9.36	16.64	0.00	26.00	9.93	17.88	0.00	27.81	28%	9.93	17.88	0.00	27.81
SJRWMD Region 1 Total		320.06	51.57	371.63	356.30	55.86	0.00	412.16	378.50	57.91	0.00	436.41	396.56	59.80	0.00	456.36	412.29	62.14	1.51	475.94	418.99	64.45	10.07	493.51	424.76	66.81	18.60	510.17	37%	487.22	72.08	29.09	560.21
SRWMD NFRWSP Total		140.73	17.25	157.98	141.62	17.24	0.00	158.86	149.73	17.24	0.00	166.97	154.55	17.24	0.00	171.79	160.10	17.24	0.00	177.34	165.49	17.24	0.00	182.73	170.95	17.24	0.00	188.19	19%	203.03	17.24	0.00	220.27
NFRWSP Total		460.79	68.82	529.61	497.92	73.10	0.00	571.02	528.23	75.15	0.00	603.38	551.11	77.04	0.00	628.15	572.39	79.38	1.51	653.28	584.48	81.69	10.07	676.24	595.71	84.05	18.60	698.36	32%	690.25	89.32	29.09	780.48

- Notes:
 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-3. Total Water Use for 2015 and 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045 by County in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

67.1

46.02

61.50

47.86

0.05

0.00

Demand Projections (5-in-10) Demand Projections (1-in-10) Water Use Percent 2045 2020 2025 2030 2015 County District 2045 Total Ground Surface Other Total Ground Surface Other 2015-2045 Surface Other Total Ground Surface Total Ground Surface Other Total Ground Surface Other Total Ground Surface Other Total Ground Surface Other Total **29.53** 30.72 32.74 37.28 26.97 28.30 30.81 31.80 33.47 Alachua 28.22 29.44 32.65 0.00 26.89 0.08 0.09 0.09 0.10 SRWMD 0.00 19.25 19.02 19.28 19.28 19.43 19.43 19.97 19.97 20.27 20.27 20.60 20.60 24.32 0.00 0.00 24.32 lachua 0.00 61.60 0.08 46.22 47.24 0.08 0.00 47.32 48.72 0.09 0.00 48.81 50.15 0.09 0.00 50.24 51.68 0.09 0.00 52.92 0.09 0.00 53.97 0.00 54.07 Alachua 46.14 51.77 53.01 0.10 Total 0.52 0.47 3.81 0.28 4.74 0.00 0.43 4.24 0.28 3.99 0.29 4.44 4.16 0.46 4.74 4.37 0.33 0.49 5.26 0.33 Baker SJRWMI 3.50 0.26 3.97 0.26 0.45 0.00 0.00 4.62 4.27 0.31 0.47 0.00 0.49 0.00 4.86 0.33 4.47 0.00 0.34 SRWMD 0.00 0.31 0.34 0.33 0.00 3.76 0.47 4.28 0.00 0.00 4.70 0.00 5.19 5.30 5.07 0.52 0.00 5.59 Baker 4.23 4.09 0.43 0.00 4.52 0.45 0.00 4.46 0.46 4.92 4.58 0.47 5.05 0.49 4.81 0.49 0.00 Total 0.33 5.50 0.00 0.00 Bradford 0.00 4.86 0.26 4.84 0.28 4.84 0.31 4.86 0.17 4.72 0.26 4.84 0.28 4.89 0.29 4.88 0.29 4.88 SRWMD 5.83 0.00 0.00 5.83 Bradford 4.89 0.00 5.08 0.00 0.00 5.08 5.10 0.00 0.00 5.10 5.12 0.00 0.00 5.12 5.17 0.00 0.0 5.17 5.17 0.00 0.00 5.17 0.00 0.00 5.17 Total 4.89 5.17 21.04 20.48 20.84 25.69 0.45 28.15 30.91 32.26 33.46 1.01 1.41 36.43 0.33 0.36 25.28 15.31 0.41 0.0 0.00 59% 73% 0.00 0.00 30.41 34.51 SRWMD 11.75 11.75 11.72 0.00 15.31 16.51 0.00 16.51 17.66 0.0 19.01 19.01 20.36 20.36 23.47 0.00 0.00 23.47 Columbia 143.35 17.82 161.17 155.28 18.92 174.20 165.36 19.48 184.84 175.26 195.48 183.57 184.88 10.07 185.75 18.60 42% 214.39 27.68 239.67)uval 20.22 22.79 228.51 25.28 lagler SJRWM 16.38 18.27 21.87 2.29 24.16 23.01 2.45 25.46 24.0 26.60 24.85 0.00 25.30 0.00 28.07 25.80 2.82 28.62 57% 30.88 3.43 0.0 34.31 0.00 17.19 0.00 17.19 Gilchrist SRWMD 20.76 0.00 20.76 20.86 0.00 0.0 20.86 21.62 0.00 21.62 22.36 0.00 0.00 22.36 23.20 0.00 0.0 23.20 23.97 0.00 23.97 24.82 24.82 30.67 0.00 30.67 17.19 17.19 17.19 17.19 57.88 38.65 17.19 55.84 39.40 0.0 59.4 47.35 64.54 Hamilton SRWMD 40.69 17.19 0.0 0.00 56.59 40.08 0.00 57.2 40.82 0.0 58.01 41.58 58.77 42.28 0.00 46.98 Nassau SJRWMD 42.62 44.31 44.07 1.51 0.0 45.58 44.67 1.72 0.00 46.39 45.14 1.92 0.00 47.06 45.45 2.08 0.0 47.53 45.71 0.00 47.96 45.95 2.41 0.0 48.36 49.90 24.90 49.91 25.84 25.77 51.61 52.70 27.79 0.00 53.67 28.65 54.56 29.57 0.00 55.54 56.53 39.46 25.66 0.00 65.12 SJRWM 25.01 0.0 26.85 25.85 0.00 25.88 25.91 0.0 30.52 26.01 0.00

63.1

49.97

412.29

3.28

0.00

62.14

0.00 171.79 160.10 17.24 0.00 177.34 165.49 17.24 0.00 628.15 572.39 79.38 1.51 653.28 584.48 81.69

1.51

69.69

47.91

3.17

456.36

0.00

0.00

25.97

64.45

74.05

52.05

493.51

3.45

10.07 676.24 595.71

182.73 170.95

424.76

66.81

17 24

84.05

18.60

0.00

18.60

0.00

10.07

0.00

66%

33%

30%

37%

19%

32%

54.17

3.57

510.17

188.19

698.36

77 65

66 94

486.05

202.87

688.92

4.29

11.78

0.05

70.77

17.24

0.00

0.0

0.00

29.09

88.01 29.09 777.84

0.00 220.11

89.43

66.99 4.29

557.73

64.48

3 45

418.99

72.0

50.02

3.28

475.94

Putnam

St. Johns

Suwannee

SJRWMI

SRWMD

SRWMD

41.43

40.55

45.82

40.61

2.75

43.42

2.81

0.00

 SJRWMD Region 1 Total
 320.06
 51.57
 371.63
 356.30
 55.86
 0.00
 412.16
 378.50
 57.91
 0.00
 436.41
 396.56
 59.80

 SRWMD NFRWSP Total
 140.73
 17.25
 157.98
 141.62
 17.24
 0.00
 158.86
 149.73
 17.24
 0.00
 166.97
 154.55
 17.24

 NFRWSP Total
 460.79
 68.82
 529.61
 497.92
 73.10
 0.00
 571.02
 528.23
 75.15
 0.00
 603.38
 551.11
 77.04

0.06

0.00

63.01

43.47

2.81

59.64

45.97

3.02

^{1.)} All water use is shown in million gallons per day.

^{2.)} Rounding errors account for nominal discrepancies.

^{3.)} The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-4. Public Supply Population Served and Water Use for 2015, Public Supply Population and 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 205, and 1-in-10 Year Water Demand Projections for 205 year.

Table B-4. Fubil		Population			- '''	- copulation and				Vater Use		T			,		ounty in Regio							tions (5-in-10				giori oi trie Sur			g				$\overline{}$	Percent	Dema	nd Projection	ns (1-in-10)
County	District	Served			Population	Projections				2015		Ì	202	20			2025				2030)	Ī	-	2035				2040				2045		- (Change		2045	
		2015	2020	2025	2030	2035	2040	2045	Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground S	urface Oth	er To	otal G	round Sur	ace Oth	er To	al Gr	round St	Surface C	Other	Total 20	015-2045	Ground 5	Surface O	Other Total
Alachua	SJRWMD	193,618	200,674	210,090	219,025	225,905	231,938	236,675	22.44	0.00	22.44	23.57	0.00	0.00	23.57	24.68	0.00	0.00	24.68	25.71	0.00	0.00	25.71	26.53	0.00	0.00	26.53	27.23	0.00	.00	7.23	27.78	0.00	0.00	27.78	24%	29.45	0.00	0.00 29.45
Alachua	SRWMD	22,595	25,652	26,022	27,674	29,142	29,640	29,934	2.35	0.00	2.35	2.68	0.00	0.00	2.68	2.71	0.00	0.00	2.71	2.87	0.00	0.00	2.87	3.04	0.00	0.00	3.04	3.10	0.00	.00	3.10	3.13	0.00	0.00	3.13	33%	3.33	0.00	0.00 3.33
Alachua	Total	216,213	226,326	236,112	246,699	255,047	261,578	266,609	24.79	0.00	24.79	26.25	0.00	0.00	26.25	27.39	0.00	0.00	27.39	28.58	0.00	0.00	28.58	29.57	0.00	0.00	29.57	30.33	0.00	.00	0.33	30.91	0.00	0.00	30.91	25%	32.78	0.00	0.00 32.78
Baker	SJRWMD	6,865	7,045	7,309	7,833	7,998	8,030	8,030	0.92	0.00	0.92	0.95	0.00	0.00	0.95	0.99	0.00	0.00	0.99	1.06	0.00	0.00	1.06	1.08	0.00	0.00	1.08	1.09	0.00	.00	1.09	1.09	0.00	0.00	1.09	18%	1.15	0.00	0.00 1.15
Baker	SRWMD	0	0	0	0	0	0	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00
Baker	Total	6,865	7,045	7,309	7,833	7,998	8,030	8,030	0.92	0.00	0.92	0.95	0.00	0.00	0.95	0.99	0.00	0.00	0.99	1.06	0.00	0.00	1.06	1.08	0.00	0.00	1.08	1.09	0.00	.00	1.09	1.09	0.00	0.00	1.09	18%	1.15	0.00	0.00 1.15
Bradford	SJRWMD	115	122	145	155	155	155	155	0.04	0.00	0.04	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	.00	0.01	0.01	0.00	0.00	0.01	-75%	0.01	0.00	0.00 0.01
Bradford	SRWMD	7,462	8,843	9,029	9,181	9,301	9,398	9,542	0.94	0.00	0.94	1.04	0.00	0.00	1.04	1.05	0.00	0.00	1.05	1.07	0.00	0.00	1.07	1.08	0.00	0.00	1.08	1.09	0.00	.00	1.09	1.11	0.00	0.00	1.11	18%	1.17	0.00	0.00 1.17
Bradford	Total	7,577	8,965	9,174	9,336	9,456	9,553	9,697	0.98	0.00	0.98	1.05	0.00	0.00	1.05	1.06	0.00	0.00	1.06	1.08	0.00	0.00	1.08	1.09	0.00	0.00	1.09	1.10	0.00	.00	1.10	1.12	0.00	0.00	1.12	14%	1.18	0.00	0.00 1.18
Clay	SJRWMD	137,842	156,111	182,502	210,459	241,460	257,818	273,618	12.89	0.00	12.89	13.72	0.00	0.00	13.72	18.33	0.00	0.00	18.33	20.64	0.00	0.00	20.64	23.22	0.00	0.00	23.22	24.47	0.00	.00	24.47	25.57	0.00	0.00	25.57	98%	26.10	0.00	1.41 27.51
Columbia	SRWMD	18,767	19,425	19,986	20,551	21,134	21,730	22,346	3.32	0.00	3.32	3.47	0.00	0.00	3.47	5.74	0.00	0.00	5.74	5.84	0.00	0.00	5.84	5.94	0.00	0.00	5.94	6.05	0.00	.00	6.05	6.16	0.00	0.00	6.16	86%	6.53	0.00	0.00 6.53
Duval	SJRWMD	693,374	863,174	904,898	946,901	988,155	1,031,118	1,070,918	106.34	0.00	106.34	115.27	0.00	0.00	115.27	124.03	0.00	0.00	124.03	132.85	0.00	0.00	132.85	140.04	0.00	1.51 1	141.55	140.37	0.00 10	.07 1	0.44	140.37	0.00	18.60	158.97	49%	168.51	0.00	27.68 168.51
Flagler	SJRWMD	94,805	107,845	120,892	130,769	139,582	145,212	149,355	8.98	0.07	9.05	10.26	0.03	0.00	10.29	11.42	0.03	0.00	11.45	12.42	0.03	0.00	12.45	13.23	0.03	0.00	13.26	13.76	0.03	.00	3.79	14.30	0.03	0.00	14.33	58%	15.15	0.03	0.00 15.18
Gilchrist	SRWMD	2,125	2,220	2,486	2,710	2,863	2,880	2,880	0.22	0.00	0.22	0.22	0.00	0.00	0.22	0.25	0.00	0.00	0.25	0.27	0.00	0.00	0.27	0.28	0.00	0.00	0.28	0.28	0.00	.00	0.28	0.28	0.00	0.00	0.28	27%	0.30	0.00	0.00 0.30
Hamilton	SRWMD	5,076	5,212	5,255	5,278	5,278	5,278	5,312	0.91	0.00	0.91	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	.00	1.03	1.03	0.00	0.00	1.03	13%	1.09	0.00	0.00 1.09
Nassau	SJRWMD	69,384	59,112	67,336	76,515	83,392	90,431	97,308	6.92	0.00	6.92	7.85	0.00	0.00	7.85	8.05	0.00	0.00	8.05	8.24	0.00	0.00	8.24	8.24	0.00	0.00	8.24	8.26	0.00	.00	8.26	8.26	0.00	0.00	8.26	19%	8.60	0.00	0.00 8.60
Putnam	SJRWMD	21,222	21,894	22,161	22,292	22,515	22,741	22,993	2.18	0.00	2.18	2.11	0.00	0.00	2.11	2.12	0.00	0.00	2.12	2.13	0.00	0.00	2.13	2.15	0.00	0.00	2.15	2.16	0.00	.00	2.16	2.18	0.00	0.00	2.18	0%	2.31	0.00	0.00 2.31
St. Johns	SJRWMD	173,216	248,420	296,645	334,151	369,247	402,807	437,538	19.21	0.00	19.21	25.10	0.00	0.00	25.10	28.43	0.00	0.00	28.43	30.60	0.00	0.00	30.60	32.51	0.00	0.00	32.51	34.28	0.00	.00	4.28	35.86	0.00	0.00	35.86	87%	36.20	0.00	0.00 36.20
Suwannee	SRWMD	7,491	8,125	8,961	9,527	10,012	10,265	10,438	1.32	0.00	1.32	1.45	0.00	0.00	1.45	1.61	0.00	0.00	1.61	1.73	0.00	0.00	1.73	1.79	0.00	0.00	1.79	1.84	0.00	.00	1.84	1.87	0.00	0.00	1.87	42%	1.98	0.00	0.00 1.98
Union	SRWMD	1,742	1,850	1,885	1,885	1,905	1,905	1,905	0.26	0.00	0.26	0.24	0.00	0.00	0.24	0.24	0.00	0.00	0.24	0.24	0.00	0.00	0.24	0.25	0.00	0.00	0.25	0.25	0.00	1.00	0.25	0.25	0.00	0.00	0.25	-4%	0.27	0.00	0.00 0.27
SJRWMD Re		1,390,441	1,664,397	1,811,978	1,948,100	2,078,409	2,190,250	2,296,590	179.92	0.07	179.99	198.84	0.03	0.00	198.87	218.06	0.03	0.00	218.09	233.66	0.03	0.00	233.69	247.01	0.03	1.51 2	248.55	251.63	0.03 10	.07 2	51.73	255.42	0.03	18.60	274.05	52%	287.48	0.03	29.09 288.92
SRWMD NFF		65,258	71,327	73,624	76,806	79,635	81,096	82,357	9.32	0.00	9.32	10.13	0.00	0.00	10.13	12.63	0.00	0.00	12.63	13.05	0.00	0.00	13.05	13.41	0.00	0.00	13.41	13.64	0.00	.00	3.64	13.83	0.00	0.00	13.83	48%	14.67	0.00	0.00 14.67
NFRWS	P Total	1,455,699	1,735,724	1,885,602	2,024,906	2,158,044	2,271,346	2,378,947	189.24	0.07	189.31	208.97	0.03	0.00	209.00	230.69	0.03	0.00	230.72	246.71	0.03	0.00	246.74	260.42	0.03	1.51	261.96	265.27	0.03	.07 2	5.37	269.25	0.03	18.60	287.88	52%	302.15	0.03	29.09 303.59

NFRWSP 10tal 1,455,699 1,735,724 1,885,602 2,024,906 2,158,044 2,271,346 2,378,947 189.24 0.07 189.31 208.97 0.03 0.00 209.00 230.69 Notes:

1.) All water use is shown in million gallons per day.
2.) Rounding errors account for nominal discrepancies.
3.) 1-in-10 rainfall year demand for 2045 calculated as an additional 6 percent of 2045 average demand.
4.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-5. Pub	c Supply Population Served and Water Use for 2015 and F		Population Bendation Bendation		mand Projections for Percent	r 2045 by County and Utility, in Region 1 of the St. Johns River Water I Water Use	anagement District and the North Florida Reg		nee River Water Management District. lections (5-in-10)		Percent 2014-2018	Demand Projections (1-in-10)
County	Utility	CUP Number	Served Population Projects 2015 2020 2025 2030 203	Buildout	Change 2015-2045 GM	2015 2020	2025 GW SW Other To	2030 otal GW SW Other Total	2035 GW SW Other Total GW SW		Change Avg Gross	2045 GW SW Other Total
	City of Hawthorne	1674 11339	1,508 1,530 1,530 2,136 2	2,136 2,409 2,426 5,653	61%	0.14 0.00 0.14 0.13 0.00 0.00 2.06 0.00 22.06 23.19 0.00 0.00 2		0.13 0.19 0.00 0.00 0. 1	9 0.19 0.00 0.00 0.19 0.21 0	0 0.00 0.21 0.21 0.00 0.00	0.21 50% 88 27.29 24% 118	0.22 0.00 0.00
Alachua -	Gainesville Regional Utilities (includes SRWMD) Kincaid Hills Water Company	11343		20,815 226,575 231,295 244,351 654 654 654 665	5% C			24.29 25.24 0.00 0.00 25.2 0.11 0.11 0.00 0.00 0.1 0.06 0.08 0.00 0.00 0.0		0 0.00 0.11 0.11 0.00 0.00	0.11 22% 161	28.93 0.00 0.00 2 0.12 0.00 0.00
SJRWMD	Town of Micanopy	11356 11364, 132141	824 824 824 1,073 1	1,073 1,073 1,073 1,330		0.06 0.00 0.06 0.06 0.00 0.00 0.09 0.00 0.09 0.09 0.00	06 0.06 0.00 0.00	0.06 0.08 0.00 0.00 0.0		0 0.00 0.08 0.08 0.00 0.00	0.08 33% 71 0.09 0% 74	0.08 0.00 0.00
	Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total		193,618 200,674 210,090 219,025 225	25,905 231,938 236,675 254,036		2.44 0.00 22.44 23.57 0.00 0.00 2	57 24.68 0.00 0.00 2	24.68 25.71 0.00 0.00 25.7	1 26.53 0.00 0.00 26.53 27.23 0	0 0.00 27.23 27.78 0.00 0.00	27.78 24% N/A	29.45 0.00 0.00 29
	City Of Newberry City Of Archer	216450 216647		7,631 7,811 7,973 15,186 1,304 1,576 1,576 6,303	59% 0	0.52 0.00 0.52 0.73 0.00 0.00 0.14 0.00 0.14 0.12 0.00 0.00	73 0.75 0.00 0.00 12 0.12 0.00 0.00	0.75 0.78 0.00 0.00 0.7 0.12 0.12 0.00 0.00 0.1	8 0.80 0.00 0.00 0.80 0.82 0 2 0.12 0.00 0.00 0.12 0.15 0	0 0.00 0.82 0.84 0.00 0.00 0 0.00 0.15 0.15 0.00 0.00	0.84 62% 105 0.15 7% 95	0.89 0.00 0.00 0 0.16 0.00 0.00 0
Alachua -	City Of High Springs Water Plant	216833	5,684 6,221 6,221 7,213 7	7,230 7,230 7,230 14,137	27%	0.46 0.00 0.46 0.52 0.00 0.00	52 0.52 0.00 0.00	0.52 0.61 0.00 0.00 0.6	1 0.61 0.00 0.00 0.61 0.61 0	0 0.00 0.61 0.61 0.00 0.00	0.61 33% 84	0.65 0.00 0.00 0
SRWMD	City Of Waldo City Of Alachua	217300 220667	947 960 960 1,230 1 9,665 10,262 10,349 10,500 11	1,230 1,230 1,230 3,654 11,747 11,793 11,925 49,112	30% C	0.06 0.00 0.06 0.07 0.00 0.00 1.17 0.00 1.17 1.24 0.00 0.00	07 0.07 0.00 0.00 24 1.25 0.00 0.00	0.07 0.09 0.00 0.00 0.0 1.25 1.27 0.00 0.00 1.2	9 0.09 0.00 0.00 0.09 0.09 0 7 1.42 0.00 0.00 1.42 1.43 0	0 0.00 0.09 0.09 0.00 0.00 0 0.00 1.43 1.44 0.00 0.00	0.09 50% 71 1.44 23% 121	0.10 0.00 0.00 0 1.53 0.00 0.00 1
	SRWMD Alachua Total	15		29,142 29,640 29,934 88,392		2.35 0.00 2.35 2.68 0.00 0.00	68 2.71 0.00 0.00	2.71 2.87 0.00 0.00 2.8	7 3.04 0.00 0.00 3.04 3.10 0		3.13 33% N/A	3.33 0.00 0.00 3
Baker - SJRWMD	City of Macclenny Town of Glen St Mary	24	435 454 502 502	7,496 7,528 7,528 30,803 502 502 502 589	17% C	0.89 0.00 0.89 0.92 0.00 0.00 0.03 0.00 0.03 0.03 0.00 0.00	92 0.95 0.00 0.00 03 0.04 0.00 0.00	0.95 1.02 0.00 0.00 1.0 0.04 0.04 0.00 0.00 0.0	2 1.04 0.00 0.00 1.04 1.05 0 4 0.04 0.00 0.00 0.04 0.04 0	0 0.00 1.05 1.05 0.00 0.00 0 0.00 0.04 0.04 0.00 0.00	1.05 18% 139 0.04 33% 74	1.11 0.00 0.00 1 0.04 0.00 0.00 0
	SJRWMD Baker Total	104	6,865 7,045 7,309 7,833 7	7,998 8,030 8,030 31,392		0.92 0.00 0.92 0.95 0.00 0.00 0.04 0.00 0.04 0.01 0.00 0.00	95 0.99 0.00 0.00	0.99 1.06 0.00 0.00 1.0 0.01 0.01 0.00 0.00 0.0	6 1.08 0.00 0.00 1.08 1.09 0		1.09 18% 213	1.15 0.00 0.00 1 0.01 0.00 0.00 0
Bradford - SJRWMD	Clay County Utility Authority SJRWMD Bradford Total	431	115 122 145 155	155 155 155 181		0.04 0.00 0.04 0.01 0.00 0.00 0.04 0.00 0.04 0.01 0.00 0.00		0.01 0.01 0.00 0.00 0.0	1 0.01 0.00 0.00 0.01 0.01 0		0.01 -75% 95 0.01 -75% N/A	0.01 0.00 0.00 0
Bradford -	City of Starke City of Lawtey	216650	6,585 7,954 8,140 8,292 8	8,412 8,509 8,653 14,573	31% (0.75	84 0.85 0.00 0.00	0.85 0.87 0.00 0.00 0.8	7 0.88 0.00 0.00 0.88 0.89 0	0 0.00 0.89 0.91 0.00 0.00	0.91 21% 105 0.20 5% 224	0.96 0.00 0.00 0
SRWMD	SRWMD Bradford Total	210990	7,462 8,843 9,029 9,181 9	9,301 9,398 9,542 16,439	28%	0.19 0.00 0.19 0.20 0.00 0.00 0.94 0.00 0.94 1.04 0.00 0.00	04 1.05 0.00 0.00	1.05 1.07 0.00 0.00 1.0 1.05 1.07 0.00 0.00 1.0	7 1.08 0.00 0.00 1.08 1.09 0	0 0.00 1.09 1.11 0.00 0.00	1.11 18% N/A	1.17 0.00 0.00 1
	Clay County Utility Authority	416, 431, 137335		01,719 214,888 227,726 410,001				16.07 18.32 0.00 0.00 18.3			23.19 111% 95	23.58 0.00 1.41 24
Clay -	Town of Orange Park City of Green Cove Springs	453 499		10,076 10,076 10,076 10,076 8,474 8,702 8,702 10,348				0.98 0.98 0.00 0.00 0.5 1.28 1.34 0.00 0.00 1.3			0.98 10% 97 1.40 40% 161	1.04 0.00 0.00 1 1.48 0.00 0.00 1
SJRWMD	JEA (Also in Duval, Nassau, St. Johns)	88271	6,844 12,306 15,268 18,229 21	21,191 24,152 27,114 10,851	296%	0.00 0.00 0.00 0.00 0.00 0.00	00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.00	0 0.00 0.00 0.00 0.00 0.00 0	0 0.00 0.00 0.00 0.00 0.00	0.00 N/A 129	0.00 0.00 0.00 0
	SJRWMD Clay Total	247754	137,842 156,111 182,502 210,459 241					18.33 20.64 0.00 0.00 20.6			25.57 98% N/A 3.94 20% 177	26.10 0.00 1.41 27
Columbia -	City of Lake City Columbia County Board of Commissioners	217754 220704	18,697 19,350 19,898 20,461 21 70 75 88 90	21,040 21,636 22,252 59,148 94 94 94 465		3.28 0.00 3.28 3.42 0.00 0.00 0.00 0.04 0.00 0.00 0.00 0		3.52 3.62 0.00 0.00 3.6 0.06 0.06 0.00 0.00 0.0	2 3.72 0.00 0.00 3.72 3.83 0 6 0.06 0.00 0.00 0.06 0.06 0		3.94 20% 177 0.06 50% 635	4.18 0.00 0.00 4 0.06 0.00 0.00 0
SRWMD	North Florida Mega Industrial Park Wellfield	239112	0 0 0 0	0 0 0 0	0%	0.00 0.00 0.00 0.00 0.00 0.00	00 2.16 0.00 0.00	2.16 2.16 0.00 0.00 2. 1		0 0.00 2.16 2.16 0.00 0.00	2.16 N/A N/A	2.29 0.00 0.00 2
-	SRWMD Columbia Total CSWR - Florida Utility Operating Company, LLC	756	18,767 19,425 19,986 20,551 21 1,015 1,015 1,015 1,015 1	21,134 21,730 22,346 59,613 1,015 1,015 1,015 1,015				5.74 5.84 0.00 0.00 5.8 0.08 0.08 0.00 0.00 0.0			6.16 86% N/A 0.08 0% 77	6.53 0.00 0.00 6 0.08 0.00 0.00 0
	City of Baldwin	784	1,385 1,419 1,462 2,085 2	2,085 2,260 2,260 5,578	63%	0.08 0.00 0.08 0.08 0.00 0.00 0.22 0.00 0.22 0.23 0.00 0.00	08 0.08 0.00 0.00 23 0.24 0.00 0.00	0.24 0.34 0.00 0.00 0.3	4 0.34 0.00 0.00 0.34 0.36 0	0 0.00 0.36 0.36 0.00 0.00	0.36 64% 161	0.38 0.00 0.00 0
	City of Jacksonville Beach Atlantic Beach Utility	793 810	23,279 24,555 24,555 24,555 24 22,674 25,670 27,474 29,055 30	24,555 26,195 26,195 26,195 30,509 31,857 31,857 26,370	13% 2 41% 2	2.49 0.00 2.49 2.63 0.00 0.00 2.18 0.00 2.18 2.52 0.00 0.00	63 2.63 0.00 0.00 52 2.69 0.00 0.00	2.63 2.63 0.00 0.00 2.6 2.69 2.85 0.00 0.00 2.8	3 2.63 0.00 0.00 2.63 2.80 0 5 2.99 0.00 0.00 2.99 3.12 0		2.80 12% 107 3.12 43% 98	2.97 0.00 0.00 2 3.31 0.00 0.00 3
Duval - SJRWMD	City of Neptune Beach	842	22,674 25,670 27,474 29,055 30 7,270 7,193 7,211 7,229 7	30,509 31,857 31,857 26,370 7,247 7,265 7,283 7,723		0.94 0.00 0.94 0.91 0.00 0.00	91 0.91 0.00 0.00	0.91 0.91 0.00 0.00 0.5	1 0.91 0.00 0.00 0.91 0.92 0	0 0.00 0.92 0.92 0.00 0.00	0.92 -2% 126	0.98 0.00 0.00 C
SJRWMD	St Johns County Utilities / Intercoastal (Also in St. Johns)	1142	36 83 83 83	83 85 85 85	136%	0.00 0.00 0.00 0.00 0.00	00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.0	0 0.00 0.00 0.00 0.00 0.00 0	0 0.00 0.00 0.00 0.00 0.00	0.00 N/A N/A	0.00 0.00 0.00 f
	Normandy Villages Utilities JEA (Also in Clay, Nassau, St. Johns)	50293 88271		3,313 3,313 3,313 3,313 19,348 959,128 998,910 1,295,621	4% (0.28 0.00 0.28 0.29 0.00 0.00 0.15 0.00 100.15 108.61 0.00 0.00 10		0.30 0.30 0.00 0.00 0.3 117.18 125.74 0.00 0.00 125.7			0.30 7% 90 51.39 51% 129	0.32 0.00 0.00 0 132.79 0.00 27.68 160
	SJRWMD Duval Total	002/1	693,374 863,174 904,898 946,901 988	88,155 1,031,118 1,070,918 1,365,900	54% 106	6.34 0.00 106.34 115.27 0.00 0.00 11	27 124.03 0.00 0.00 12	125.74 0.00 0.00 125.7 124.03 132.85 0.00 0.00 132.8		0 10.07 150.44 140.37 0.00 18.60 1		
	City of Flagler Beach City of Palm Coast	59 1947		7,044 7,044 7,044 8,327 21,325 125,272 125,437 365,388	52%	0.65 0.00 0.65 0.67 0.00 0.00	67 0.67 0.00 0.00	0.67 1.01 0.00 0.00 1.0	1 1.01 0.00 0.00 1.01 1.01 0		1.01 55% 144 11.04 56% 88	1.07 0.00 0.00 1
	Plantation Bay Utility Company (Also in Volusia)	1960	1,532 1,617 1,617 1,617 1	1,617 1,773 1,784 4,076	16%	0.17 0.00 0.17 0.22 0.00 0.00	22 0.22 0.00 0.00	0.22 0.22 0.00 0.00 0.2		0 0.00 0.24 0.24 0.00 0.00	0.24 41% 69	11.70 0.00 0.00 11 0.25 0.00 0.00 0
Flagler -	City of Bunnell Manufactured Home Communities	1982 2002		3,025 4,207 8,174 136,594 1,284 1,284 1,284 1,284	184% C	0.33	39 0.40 0.00 0.00 11 0.08 0.03 0.00	0.40 0.40 0.00 0.00 0.4 0.11 0.08 0.03 0.00 0.1	0 0.40 0.00 0.00 0.40 0.55 0 1 0.08 0.03 0.00 0.11 0.08 0	0 0.00 0.55 1.07 0.00 0.00 3 0.00 0.11 0.08 0.03 0.00	1.07 224% 131 0.11 -21% 85	1.13 0.00 0.00 1 0.09 0.03 0.00 0
SJRWMD	City of Ormond Beach (Also in Volusia)	8932 50157, 50659, 86278	239 398 398 398	398 622 622 3,518	160%	0.00 0.00 0.00 0.00 0.00	00 0.00 0.00 0.00	0.00 0.00 0.00 0.00 0.0	0 0.00 0.00 0.00 0.00 0.00 0	0 0.00 0.00 0.00 0.00 0.00	0.00 N/A N/A 0.00 N/A N/A	0.00 0.00 0.00 0 0.00 0.00 0.00 0
	Volusia County Utilities (Also in Volusia) Dunes Community Development District	50157, 50659, 86278	4.18 4.18 4.18 4.59 4.017 4.153 4.153 4.208 4	459 459 459 495 4.430 4.551 4.551 4.588	10% C	0.00 0.00 0.00 0.00 0.00 0.00 0.69 0.00 0.69 0.78 0.00 0.00	78 0.78 0.00 0.00 78 0.78 0.00 0.00	0.78 0.79 0.00 0.00 0.00 0.7	9 0.83 0.00 0.00 0.83 0.86 0		0.00 N/A N/A 0.86 25% 188	0.00 0.00 0.00 0
	SJRWMD Flagler Total		94,805 107,845 120,892 130,769 139					11.45 12.42 0.03 0.00 12.4			14.33 58% N/A	15.15 0.03 0.00 15
Gilchrist - SRWMD	City of Trenton Water Treatment Plant Fanning Springs (Also in Dixie and Levy)	216453 220310	2,040 2,117 2,363 2,559 2 85 103 123 151	2,695 2,710 2,710 15,316 168 170 170 1,110	100%	0.22 0.00 0.22 0.22 0.00 0.00 0.00 0.00		0.25 0.27 0.00 0.00 0.2 0.00 0.00 0.00 0.00 0.00	7 0.28 0.00 0.00 0.28 0.28 0 0 0.00 0.00 0.00 0.00 0.00 0	0 0.00 0.28 0.28 0.00 0.00 0 0.00 0.00 0.00 0.00 0.00	0.28 27% 104 0.00 N/A 0	0.30 0.00 0.00 0 0.00 0.00 0.00 0
SKWIND	SRWMD Gilchrist Total	1	-,,	2,863 2,880 2,880 16,426		0.22 0.00 0.22 0.22 0.00 0.00	22 0.25 0.00 0.00	0.25 0.27 0.00 0.00 0.2	7 0.28 0.00 0.00 0.28 0.28 0		0.28 27% N/A	0.30 0.00 0.00 0
	Town of Jennings Town of White Springs	216567 216651	699 699 699 699 754 777 820 843	699 699 699 1,222 843 843 877 1,347	0% (0.15 0.15 0.00 0.00 0.1 0.05 0.05 0.00 0.00 0.0			0.15 7% 208 0.05 25% 58	0.16 0.00 0.00 0 0.05 0.00 0.00 0
Hamilton - SRWMD	Hamilton County Water Facilities	220443	0 0 0 0	0 0 0 0		0.07 0.00 0.07 0.13 0.00 0.00	13 0.13 0.00 0.00	0.13 0.13 0.00 0.00 0.1			0.13 86% N/A	0.14 0.00 0.00 0
	City of Jasper	220463		3,736 3,736 3,736 8,392		0.66 0.00 0.66 0.70 0.00 0.00	70 0.70 0.00 0.00	0.70 0.70 0.00 0.00 0.7	0 0.70 0.00 0.00 0.70 0.70 0		0.70 6% 188	0.74 0.00 0.00 0
	City of Fernandina Beach	122	5,076 5,212 5,255 5,278 5 18,661 19,705 20,476 20,476 20	5,278 5,278 5,312 10,961 20,476 20,476 20,476 20,540	5% C	0.91 0.00 0.91 1.03 0.00 0.00 2.96 0.00 2.96 3.33 0.00 0.00		1.03 1.03 0.00 0.00 1.0 3.46 3.46 0.00 0.00 3.4	3 1.03 0.00 0.00 1.03 1.03 0 6 3.46 0.00 0.00 3.46 3.46 0	0 0.00 1.03 1.03 0.00 0.00 0 0.00 3.46 3.46 0.00 0.00	1.03 13% N/A 3.46 17% 169	1.09 0.00 0.00 1 3.67 0.00 0.00 3
Nassau -	Town of Callahan Town of Hilliard	922 948		2,861 2,861 2,861 4,247 4,727 4,889 4,889 9,716		0.16 0.00 0.16 0.18 0.00 0.00 0.23 0.00 0.23 0.24 0.00 0.00		0.22 0.30 0.00 0.00 0.3 0.24 0.35 0.00 0.00 0.3	0 0.30 0.00 0.00 0.30 0.30 0		0.30 88% 104 0.37 61% 75	0.32 0.00 0.00 (
SJRWMD	Nassau Amelia Utilities	948 50087	9,242 9,578 9,775 9,775 9	9,775 9,775 9,775 9,775	6% 1	1.31 0.00 1.31 1.41 0.00 0.00	41 1.44 0.00 0.00	1.44 1.44 0.00 0.00 1.4	4 1.44 0.00 0.00 1.44 1.44 0	0 0.00 0.37 0.37 0.00 0.00 0 0.00 1.44 1.44 0.00 0.00	1.44 10% 147	1.53 0.00 0.00 1
	JEA (Also in Clay, Duval, St. Johns / Old 942) SJRWMD Nassau Total	88271		45,553 52,430 59,307 224,737 83,392 90,431 97,308 269,015		2.26 0.00 2.26 2.69 0.00 0.00 6.92 0.00 6.92 7.85 0.00 0.00	69 2.69 0.00 0.00 85 8.05 0.00 0.00	2.69 2.69 0.00 0.00 2.6 8.05 8.24 0.00 0.00 8.2	9 2.69 0.00 0.00 2.69 2.69 0 4 8.24 0.00 0.00 8.24 8.26 0		2.69 19% 138 8.26 19% N/A	2.69 0.00 0.00 2 8.60 0.00 0.00 8
	Town of Interlachen	1624, 8150	935 959 959 959	959 959 959 2,205	3% (0.08 0.00 0.08 0.08 0.00 0.00	08 0.08 0.00 0.00	0.08 0.08 0.00 0.00 0.0	8 0.08 0.00 0.00 0.08 0.08 0	0 0.00 0.08 0.08 0.00 0.00	0.08 0% 88	0.08 0.00 0.00 0
	City of Crescent City Melrose Water Association	1627 7961		1,805 1,805 1,805 4,238 1,503 1,575 1,650 616		0.17 0.00 0.17 0.17 0.00 0.00 0.15 0.00 0.15 0.13 0.00 0.00		0.17 0.17 0.00 0.00 0.1 0.13 0.13 0.00 0.00 0.1	7 0.17 0.00 0.00 0.17 0.17 0 3 0.14 0.00 0.00 0.14 0.14 0		0.17 0% 96 0.15 0% 90	0.18 0.00 0.00 0 0.16 0.00 0.00 0
Putnam - S.IRWMD	River Park Utilities Management Assoc.	7981 8114		1,001 1,001 1,001 1,881	0%	0.10 0.00 0.10 0.07 0.00 0.00 1.31 0.00 1.31 1.28 0.00 0.00		0.07 0.07 0.00 0.00 0.0 1.28 1.28 0.00 0.00 1.5		0 0.00 0.07 0.07 0.00 0.00	0.07 -30% 69 1.28 -2% 106	0.07 0.00 0.00 0
SJKWMD	City of Palatka Town of Welaka	8168	1,781 1,821 2,088 2,169 2	2,337 2,491 2,668 3,282	50%	0.10 0.00 0.10 0.10 0.00 0.00	10 0.11 0.00 0.00 10 0.11 0.00 0.00	0.11 0.12 0.00 0.00 0.1	2 0.13 0.00 0.00 1.28 0 2 0.13 0.00 0.00 0.13 0.14 0	0 0.00 0.14 0.15 0.00 0.00	0.15 50% 55	0.16 0.00 0.00 C
	Putnam County BOCC SJRWMD Putnam Total	92165		2,857 2,857 2,857 5,691 22,515 22,741 22,993 42,829		0.27 0.00 0.27 0.28 0.00 0.00	28 0.28 0.00 0.00 11 2.12 0.00 0.00	0.28 0.28 0.00 0.00 0.2 2.12 2.13 0.00 0.00 2.1	8 0.28 0.00 0.00 0.28 0.28 0		0.28 4% 98	0.30 0.00 0.00 0
	North Beach Utilities	157		22,515 22,741 22,993 42,829 5,077 5,077 5,077	54%	2.18 0.00 2.18 2.11 0.00 0.00 0.45 0.00 0.45 0.53 0.00 0.00		2.12 2.13 0.00 0.00 2.1 0.69 0.69 0.00 0.00 0.6	9 0.69 0.00 0.00 0.69 0.69 0		2.18 0% N/A 0.69 53% 136	2.31 0.00 0.00 2 0.73 0.00 0.00 0
	Wildwood Water Company	324	858 891 933 933	933 933 933 933	9% (0.06 0.00 0.06 0.06 0.00 0.00	06 0.06 0.00 0.00	0.06 0.06 0.00 0.00 0.0	6 0.06 0.00 0.00 0.06 0.06 0	0 0.00 0.06 0.06 0.00 0.00	0.06 0% 68	0.06 0.00 0.00 0
St. Johns -	St. Johns County Utilities / Intercoastal (Also in Duval)	1142		30,705 32,273 33,776 29,784	34% 4	4.02 0.00 4.02 3.53 0.00 0.00	53 3.93 0.00 0.00	3.93 4.36 0.00 0.00 4.3	6 5.42 0.00 0.00 5.42 7.10 0	0 0.00 7.10 8.40 0.00 0.00	8.40 109% 144	8.40 0.00 0.00 F
SJRWMD	St. Johns County Utilities St. Johns County Utilities	1198 1392	682 708 1,108 2,144 2	65,973 180,958 195,538 409,267 2,790 2,862 2,862 3,389		6.90 0.00 6.90 10.60 0.00 0.00 1 0.08 0.00 0.08 0.08 0.00 0.00	60 12.61 0.00 0.00 1 08 0.08 0.00 0.00	12.61 14.35 0.00 0.00 14.3 0.08 0.08 0.00 0.00 0.0	8 0.08 0.00 0.00 0.08 0.08 0		15.20 120% 96 0.08 0% 126	15.20 0.00 0.00 15 0.08 0.00 0.00 0 5.23 0.00 0.00 5
	City of St. Augustine Utilities JEA (Also in Clay, Duval, Nassau)	50299 88271	28,207 33,919 40,714 40,714 40	40,714 41,488 43,975 52,019 23,055 139,216 155,377 115,091	56% 3	3.23 0.00 3.23 3.80 0.00 0.00	80 4.56 0.00 0.00	4.56 4.56 0.00 0.00 4.6 6.50 6.50 0.00 0.00 6.5	6 4.56 0.00 0.00 4.56 4.65 0.	0 0.00 4.65 4.93 0.00 0.00	4.93 53% 112 6.50 45% 129	5.23 0.00 0.00 5 6.50 0.00 0.00 6
	SJRWMD St. Johns Total			23,055 139,216 155,377 115,091 69,247 402,807 437,538 615,560	153% 19	9.21 0.00 19.21 25.10 0.00 0.00 2	10 28.43 0.00 0.00 2	28.43 30.60 0.00 0.00 30.6		0 0.00 34.28 35.86 0.00 0.00	35.86 87% N/A	36.20 0.00 0.00 36
	Town of Wellborn Town of Branford	216507 216658	483 490 490 490 664 700 700 727	548 613 613 613 927 927 927 927				0.04 0.04 0.00 0.00 0.0 0.08 0.09 0.00 0.00 0.0	4 0.04 0.00 0.00 0.04 0.05 0		0.05 25% 79 0.11 57% 120	0.05 0.00 0.00 0
Suwannee - SRWMD	Advent Christian Village	216658 219527	563 793 1,308 1,566 1	1,566 1,566 1,579 9,304	180% C	0.14 0.00 0.14 0.16 0.00 0.00	16 0.26 0.00 0.00	0.26 0.31 0.00 0.00 0.3	1 0.31 0.00 0.00 0.31 0.31 0		0.11 57% 120 0.31 121% 199	0.33 0.00 0.00 0
OKWIND	City of Live Oak SRWMD Suwannee Total	220612		6,971 7,159 7,319 11,659 10,012 10,265 10,438 22,513		1.07 0.00 1.07 1.17 0.00 0.00 1.32 0.00 1.32 1.45 0.00 0.00	17 1.23 0.00 0.00 45 1.61 0.00 0.00	1.23 1.29 0.00 0.00 1.2	9 1.33 0.00 0.00 1.33 1.37 0	0 0.00 1.37 1.40 0.00 0.00	1.40 31% 191 1.87 42% N/A	1.48 0.00 0.00 1
Union -	City of Lake Butler	220148	1,742 1,850 1,885 1,885 1	1,905 1,905 1,905 6,558		1.32 0.00 1.32 1.45 0.00 0.00 0.26 0.24 0.00 0.00	24 0.24 0.00 0.00	0.24 0.24 0.00 0.00 0.2 0.24 0.24 0.00 0.00 0.2	4 0.25 0.00 0.00 0.25 0.25 0	0 0.00 1.84 1.87 0.00 0.00 0.00 0 0.00 0.00 0.00 0.00	0.25 -4% 129	0.27 0.00 0.00 0
SRWMD	SRWMD Union Total SJRWMD Region 1 Total		1,742 1,850 1,885 1,885 1 1,390,441 1,664,397 1,811,978 1,948,100 2,078	1,905 1,905 1,905 6,558 78,409 2,190,250 2,296,590 3,544,459		0.26 0.00 0.26 0.24 0.00 0.00 9.92 0.07 179.99 198.84 0.03 0.00 19	24 0.24 0.00 0.00 87 218.06 0.03 0.00 2	0.24 0.24 0.00 0.00 0.2 218.09 233.66 0.03 0.00 233.6	4 0.25 0.00 0.00 0.25 0.25 0 9 247.01 0.03 1.51 248.55 251.63 0	0 0.00 0.25 0.25 0.00 0.00 3 10.07 261.73 255.42 0.03 18.60 2	0.25 -4% N/A	0.27 0.00 0.00 0 287.48 0.03 29.09 288
	SRWMD NFRWSP Total		65,258 71,327 73,624 76,806 79	79,635 81,096 82,357 220,902	26% 9	9.32 0.00 9.32 10.13 0.00 0.00 1	13 #REF! #REF! 0.00 1	12.63 #REF! #REF! 0.00 13.0	5 #REF! #REF! 0.00 13.41 #REF! #RE	el 0.00 13.64 #REF! #REF! 0.00	13.83 48% N/A	287.48 0.03 29.09 288 #REF! #REF! 0.00 14
	NFRWSP Total		1,455,699 1,735,724 1,885,602 2,024,906 2,158	58,044 2,271,346 2,378,947 3,765,361	63% 189	9.24 0.07 189.31 208.97 0.03 0.00 20	00 #REF! #REF! 0.00 23	230.72 #REF! #REF! 0.00 246.7	4 #REF! #REF! 1.51 261.96 #REF! #RE	1 10.07 275.37 #REF! #REF! 18.60 2	87.88 52% N/A	#REF! #REF! 29.09 30?

Notes:
1, All water use and demand projections are shown in million gallors per day.
2, Rounding errors account for nominal discrepancies.
3, Projected top population for years 2002 - 2045 are permanent population or projections shown here are permanent population projections only and do not include any factors such as seasonal residenced and projections shown here are permanent population projections only and do not include any factors such as seasonal residenced and projections for Rounding German additional demand projections is an average demand reprojections for Such used to adaptive demand projections on is an additional as (Total Water Use / Total Estimated Population), Projections for 2002 - 2045 average demand.
9) SW Quantified all calculations of 2002 - 2045 average demand.
9) SW Quantified all calculations of 2002 - 2045 average demand.
9) SW Quantified gallocations of 2002 - 2045 average demand.
9) SW Quantified gallocations of 2002 - 2045 average demand.
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9) SW Quantified gallocations of 2002 - 2045 average demand.
9) SW Quantified gallocations of 2002 - 2045 average demand.
9) SW Quantified gallocations of 2002 - 2045 average demand.
9) SW Quantified gallocations of 2002 - 2045 average demand.
10) Public water supply fulfilly service areas often include residences that derive their water supply systems from those served by domestic self-supply wells.
11) The Other water supply service areas often include some domestic self-supply systems from those served by domestic self-supply wells.
12) As noted above, water demand projections for JEA, SJCUD, and CCUA were adjusted during stakeholder feedback and review of the modeling distribution for the Black Creek Retirement agreement. The water demand may not equal population multiplied by per capita.

Table B-5a. 2014-2018 Water Use, Population Served, and Five-Year Gross Per Capita Averages for Public Supply Permitted Equal to or Greater than 0.10 mgd, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

11343 Kincaid Hills 11356 Town of Mice Arredondo U 11364, 132141 Utilities 216450 City of Newb 216647 City of Arche 216833 City of High S 217300 City of Waldc 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake I 220704 Columbia Co 239112 North Florida	lle Regional Utilities (illis Water Company Illis Water Plant Illis Water Pl	Utility City of Hawthorne Gainesville Regional Utilities (Incaid Hills Water Company Fown of Micanopy Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total City of Newberry City of High Springs Water Plant City of High Springs Water Plant City of Malchua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Clay County Utility Authority Count of Orange Park City of Clay County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	Comments	County Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Baker Badford Bradford Bradford Clay Clay Clay Clay Cloumbia Columbia	2014 0.158 21.82 0.075 0.060 0.079 22.192 0.495 0.110 0.409 0.065 1.131 2.210 0.875 0.696 0.186 0.862 0.970 12.460 3.231 0.042	2015 0.139 22.06 0.085 0.085 0.059 22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.941 11.037 0.887 0.996 12.920 3.280	2016 0.159 22.29 0.093 0.061 0.102 22.705 0.551 0.117 0.503 0.067 1.275 2.513 0.924 0.829 11.729 0.922 1.127, 13.778 3.413	2017 0.092 23.43 0.104 0.060 23.776 0.574 0.114 0.556 0.071 1.170 2.485 0.903 0.707 0.191 0.898 11.658 0.889 1.158 13.705	2018 0.118 22.72 0.139 0.051 0.099 23.127 0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049 13.110	2014 1,508 187,900 606 824 1,266 192,104 4,855 1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446 118,554 9,042 6,500	2015 1,508 189,400 620 824 1,266 193,618 5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,865 877 7,462	2016 1,508 190,900 620 824 1,195 195,047 5,197 1,282 6,093 955 9,873 23,400 6,430 6,430 6,430 7,417 118,432 9,042 6,500	5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	2018 1,530 194,500 620 824 1,195 198,669 5,538 1,303 6,221 960 10.155 24,177 6,582 449 7,031 6,700 889 7,589	7 11 10 9 8 8 8 7 11 10 10 10 11 10 10 10 10 11 10 10 10	38
11339 Gainesville F 11343 Kincaid Hills 11356 Town of Mica Arredondo U 11364, 132141 Utilities 216450 City of Newb 216647 City of Arche 216833 City of High S 217300 City of Waldd 220667 City of Alach 15 City of Macci 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Ora 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	lle Regional Utilities (illis Water Company Illis Water Plant Illis Water Pl	Gainesville Regional Utilities Kincaid Hills Water Company Fown of Micanopy Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total City of Newberry City of High Springs Water Plant City of High Springs Water Plant City of Maclo City of Alachua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Lawtey SRWMD Bradford Total City of Lawtey SRWMD Bradford Total City of County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners SWMD Columbia Total	Arredondo Farms PWS 2010207 PWS 2010199 PWS 2010201 PWS 2010201 PWS 2010212 PWS 2010017 PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	21.82 0.075 0.060 0.079 22.192 0.495 0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.882 10.628 0.970 12.460 3.231 0.042	22.06 0.085 0.059 0.085 22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.931 0.917 0.745 0.941 11.037 0.887 0.996 12.990 12.990 3.280	22.29 0.093 0.061 0.102 22.705 0.551 0.117 0.503 0.067 1.275 0.032 0.032 0.954 0.184 0.829 11.729 0.922 1.127 1.3778	23.43 0.104 0.060 0.090 23.776 0.574 0.114 0.556 0.071 1.170 0.903 0.933 0.936 0.707 0.191 0.898 11.658 0.889 1.158 1.158 1.158	22.72 0.139 0.051 0.099 23.127 0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.034 0.034 0.034 1.201 0.892	187,900 606 824 1,266 192,104 4,855 1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 7,446	189,400 620 824 1,266 193,618 5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,865 6,585 877 7,462	190,900 620 824 1,195 195,047 5,197 1,282 6,093 955 9,873 23,400 6,430 435 6,865 6,541 876 7,417	192,200 620 824 1,195 196,349 5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,538 868 7,406	194,500 620 824 1,195 198,669 5,538 1,303 6,221 960 10.155 24,177 6,582 449 7,031 6,700 889 7,589	11 16 77 11 10 10 10 10 10 11 11 10 10 11 11 10 10	18
11343 Kincaid Hills 11356 Town of Mice Arredondo U 11364, 132141 Utilities 216450 City of Newb 216647 City of Arche 216833 City of High s 217300 City of Wald 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Ora 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, Lt 784 City of Baldw	iiils Water Company Vicanopy O Utility Co / Aqua Source Awberry Cher Gh Springs Water Plant aldo acclenny Glen St. Mary Tarke Cher Given St. Mary County Utility Authority Corange Park Teen Cove Springs County Board of Commission County Board of County Board	Gincaid Hills Water Company Fown of Micanopy Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total City of Newberry City of Archer City of High Springs Water Plant City of Waldo City of Alachua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Lawtey SRWMD Bradford Total City of Lawtey SRWMD Bradford Total City of Cange Park City of Grange Park City of Cange Cove Springs SJRWMD Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	Arredondo Farms PWS 2010207 PWS 2010199 PWS 2010201 PWS 2010201 PWS 2010212 PWS 2010017 PWS 2040011 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	0.075 0.060 0.079 22.192 0.495 0.110 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.085 0.059 0.085 22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.917 0.748 0.193 0.941 11.037 0.887 0.986 0.292 0.332 0.941	0.093 0.061 0.102 22.705 0.551 0.17 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 1.275	0.104 0.060 0.090 23.776 0.574 0.114 0.556 0.071 1.170 2.485 0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 0.889 13.705	0.139 0.051 0.099 23.127 0.591 0.128 0.580 1.207 2.579 0.934 0.034 0.680 0.212 0.892	606 824 1,266 192,104 4,855 1,246 5,675 966 9,665 22,407 428 6,819 6,591 6,591 7,446	620 824 1,266 193,618 5,026 1,273 5,684 947 9,665 22,595 6,385 6,885 6,585 877 7,462	620 824 1,195 195,047 5,197 1,282 6,093 955 9,873 23,400 6,430 6,430 6,541 876 7,417	620 824 1,195 196,349 5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406	620 824 1,195 198,669 5,538 1,303 6,221 960 10.155 24,177 6,582 449 7,031 6,700 889 7,589	16 7 7 11 10 10 10 10 10 10 10 10 10 10 10 10	61 74 75 76 77 78 77 79 79 70 70 70 70 70 70 70 70 70 70 70 70 70
11356 Town of Mica Arredondo U Arredondo U 11364, 132141 Utilities 216450 City of Newb 216647 City of Arche 216833 City of High 3 217300 City of Waldd 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 453 Town of Ora 499 City of Greer 217754 City of Greer 220704 Columbia Co 239112 North Florida Company, LL 784 City of Baldw	Micanopy o Utility Co / Aqua Source weberry cher (gh Springs Water Plant (aclado (achua (acclenny (Glen St. Mary (arke (webey (arke (Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total City of Newberry City of High Springs Water Plant City of High Springs Water Plant City of Macdo City of Maldo City of Machua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Capen Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010207 PWS 2010207 PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010017 PWS 2040017 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Barafford Bradford Bradford Clay Clay Clay Columbia Columbia	0.060 0.079 22.192 0.495 0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.059 0.085 22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.061 0.102 22.705 0.551 0.117 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 1.275	0.060 0.090 23.776 0.574 0.114 0.556 0.071 1.170 2.485 0.903 0.33 0.33 0.707 0.191 0.898 11.658 0.898 1.158 1.158	0.051 0.099 23.127 0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.068 0.212 0.892 11.231 0.830 1.049	824 1,266 192,104 4,855 1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446	824 1,266 193,618 5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,865 6,585 877 7,462 115,629 9,042	824 1,195 195,047 5,197 1,282 6,093 955 9,873 23,400 6,430 6,430 6,430 6,430 7,417 118,432 9,042 6,500	824 1,195 196,349 5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	824 1,195 198,669 5,538 1,303 6,221 960 10,155 24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	77 111 101 101 101 101 101 101 101 101 1	71 74 75 76 77 77 78 78 79 79 79 79 79 79 79 79 79 79 79 79 79
Arredondo U 11364, 132141 Utilities 216450 City of Newb 216647 City of Arche 216833 City of High S 217300 City of Wald 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Ora 499 City of Greer 217754 City of Lake 220704 Columbia Cc 239112 North Florida CSWR - Flor 756 Company, LL 764 City of Baldw	o Utility Co / Aqua Source weberry cher cher (gh Springs Water Plant aldo achua cclenny Gilen St. Mary arke (wtey ty ty ty ty ty ty ty ty ty	Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total City of Newberry City of Newberry City of High Springs Water Plant City of High Springs Water Plant City of Malachua SRWMD Alachua Total City of Macclenny Town of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Town of Orange Park City of Careen Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010207 PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010217 PWS 2040211 PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	0.079 22.192 0.495 0.110 0.409 0.065 1.131 2.210 0.845 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.085 22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941	0.102 22.705 0.551 0.117 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.184 0.829 11.729 0.922 1.127 1.275	0.090 23.776 0.574 0.574 0.556 0.071 1.485 0.903 0.033 0.936 0.767 0.191 0.898 11.658 0.889 1.158 1.3705	0.099 23.127 0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.068 0.212 0.892	1,266 192,104 4,855 1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446	1,266 193,618 5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,865 6,585 877 7,462	1,195 195,047 5,197 1,282 6,093 955 23,400 6,430 435 6,865 6,541 876 7,417	1,195 196,349 5,367 1,284 6,155 947 10,027 23,780 6,472 440 440 6,912 6,538 868 7,406	1,195 198,669 5,538 1,303 6,221 960 10,155 24,177 6,582 449 7,031 6,700 889 7,589	7 11 10 9 8 8 8 7 11 10 10 10 11 10 10 10 10 11 10 10 10	74 74 77 77 78 79 79 79 70 70 70 70 70 70 70 70 70 70 70 70 70
11364, 132141 Utilities	ewberry cher cher cher cher cher cher cher cher	SJRWMD Alachua Total City of Newberry City of Archer City of High Springs Water Plant City of Maclo City of Alachua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010207 PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010217 PWS 2040211 PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	22.192 0.495 0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	22.705 0.551 0.117 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 1.275	23.776 0.574 0.114 0.556 0.071 1.170 2.485 0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158 1.158 1.3705	23.127 0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049	192,104 4,855 1,246 5,675 966 9,665 22,407 428 6,391 428 6,819 6,591 855 7,446	193,618 5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,885 6,585 6,740 7,462	195,047 5,197 1,282 6,093 955 9,873 23,400 6,430 6,430 6,541 876 7,417 118,432 9,042 6,500	196,349 5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	198,669 5,538 1,303 6,221 960 10.155 24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	11 10 9 8 7 12 10 13 7 13 10 10 22 11 11	17 15 15 15 15 15 15 15
216450 City of Newb 216647 City of Arche 216833 City of High s 217300 City of Waldt 220667 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Oral 499 City of Greer 217754 City of Lake t 220704 Columbia Co 239112 North Florida	ewberry (Cher (Che	SJRWMD Alachua Total City of Newberry City of Archer City of High Springs Water Plant City of Maclo City of Alachua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010207 PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010217 PWS 2040211 PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Alachua Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	22.192 0.495 0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	22.428 0.521 0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	22.705 0.551 0.117 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 1.275	23.776 0.574 0.114 0.556 0.071 1.170 2.485 0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158 1.158 1.3705	23.127 0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049	192,104 4,855 1,246 5,675 966 9,665 22,407 428 6,391 428 6,819 6,591 855 7,446	193,618 5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,885 6,585 6,740 7,462	195,047 5,197 1,282 6,093 955 9,873 23,400 6,430 6,430 6,541 876 7,417 118,432 9,042 6,500	196,349 5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	198,669 5,538 1,303 6,221 960 10.155 24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	11 10 9 8 7 12 10 13 7 13 10 10 22 11 11	17 15 15 15 15 15 15 15
216647 City of Arche 216833 City of High S 217300 City of Waldd 220667 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orat 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	cher Cher Cher Cher Cher Cher Cher Cher C	City of Newberry City of Archer City of High Springs Water Plant City of High Springs Water Plant City of Waldo City of Alachua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Green Cove Springs SJRWMD Clay Total City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010017 PWS 20400211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Baker Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	0.495 0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882	0.521 0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.551 0.117 0.503 0.067 1.275 2.513 0.922 0.932 0.934 0.645 0.184 0.829 11.729 0.922 1.127 1.3778	0.574 0.114 0.556 0.071 1.170 2.485 0.903 0.936 0.707 0.191 0.898 11.658 0.889 1.158 1.3705	0.591 0.128 0.580 0.073 1.207 2.579 0.934 0.034 0.680 0.212 0.892	4,855 1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446	5,026 1,273 5,684 947 9,665 22,595 6,430 435 6,865 6,585 877 7,462	5,197 1,282 6,093 955 9,873 23,400 6,430 435 6,865 6,541 876 7,417	5,367 1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	5,538 1,303 6,221 9600 10.155 24,177 6,582 449 7,031 6,700 889 7,589	100 9 8 8 8 100 100 100 100 100 100 100 100 1	05 05 05 05 05 05 05 05
216647 City of Arche 216833 City of High S 217300 City of Waldd 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orat 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	cher Cher Cher Cher Cher Cher Cher Cher C	City of Archer City of High Springs Water Plant City of Waldo City of Waldo City of Machua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010017 PWS 20400211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Baker Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.987 0.996 12.920	0.117 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 1.3778	0.114 0.556 0.071 1.170 2.485 0.903 0.033 0.033 0.707 0.191 0.898 11.658 0.889 1.158	0.128 0.580 0.073 1.207 2.579 0.934 0.934 0.968 0.680 0.212 0.892 11.231 0.830 1.049	1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446	1,273 5,684 947 9,665 22,595 6,430 435 6,865 6,585 877 7,462	1,282 6,093 955 9,873 23,400 6,430 435 6,865 6,541 876 7,417	1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406	1,303 6,221 960 10,155 24,177 6,582 449 7,031 6,700 889 7,589	9 8 8 7 12 10 13 7 13 10 22 11	35 36 37 38 39 39 39 30 31 31 31 31 31 31 31
216647 City of Arche 216833 City of High S 217300 City of Waldd 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orat 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	cher Cher Cher Cher Cher Cher Cher Cher C	City of Archer City of High Springs Water Plant City of Waldo City of Waldo City of Machua SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010199 PWS 2010201 PWS 2010212 PWS 2010017 PWS 20400211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Alachua Baker Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	0.110 0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.135 0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.987 0.996 12.920	0.117 0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 1.3778	0.114 0.556 0.071 1.170 2.485 0.903 0.033 0.033 0.707 0.191 0.898 11.658 0.889 1.158	0.128 0.580 0.073 1.207 2.579 0.934 0.934 0.968 0.680 0.212 0.892 11.231 0.830 1.049	1,246 5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446	1,273 5,684 947 9,665 22,595 6,430 435 6,865 6,585 877 7,462	1,282 6,093 955 9,873 23,400 6,430 435 6,865 6,541 876 7,417	1,284 6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406	1,303 6,221 960 10,155 24,177 6,582 449 7,031 6,700 889 7,589	8 8 7 7 12 12 13 13 10 12 11 11 11 11 11 11 11 11 11 11 11 11	34 71 72 74 74 75 75 75 75 75 75
216833 City of High \$ 217300 City of Wald 220667 City of Malch 220667 City of Alach 15 City of Macci 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Ora 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	gh Springs Water Plant aldo (achua (a	City of High Springs Water Plant City of Waldo City of Alachua SRWMD Alachua Total City of Macclenny Cown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Cown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010201 PWS 2010212 PWS 2010017 PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Alachua Alachua Baker Baker Bradford Bradford Bradford Clay Clay Clay Columbia Columbia	0.409 0.065 1.131 2.210 0.845 0.031 0.876 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.455 0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.503 0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 11.729 11.729 11.729	0.556 0.071 1.170 2.485 0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158	0.580 0.073 1.207 2.579 0.934 0.034 0.968 0.680 0.212 0.892	5,675 966 9,665 22,407 6,391 428 6,819 6,591 855 7,446 118,554 9,042	5,684 947 9.665 22,595 6,430 435 6,865 6,585 877 7,462	6,093 955 9,873 23,400 6,430 435 6,865 6,541 7,417	6,155 947 10,027 23,780 6,472 440 6,912 6,538 868 7,406	6,221 960 10,155 24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	77 12 10 10 13 77 13 13 10 10 22 11 11 9 9 16 9 16	71 21 21 39 74 35 55 55 21 Clay County Utility served 939 peo in SRWMD portion of Bradford 55 County in 2015.
217300 City of Walde 220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	aldo (achua (cachua (c	City of Waldo City of Alachua SRWMD Alachua Total City of Maclenny Cown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Cown of Orange Park City of Gren Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2010212 PWS 2010017 PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Alachua Baker Baker Bradford Bradford Bradford, Clay Clay Clay Columbia Columbia	0.065 1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.062 1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.987 12.920	0.067 1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 13.778	0.071 1.170 2.485 0.903 0.033 0.707 0.191 0.898 11.658 0.889 1.158	0.073 1.207 2.579 0.934 0.034 0.968 0.680 0.212 0.892	966 9,665 22,407 6,391 428 6,819 6,591 855 7,446	947 9.665 22,595 6,430 435 6,865 6,585 877 7,462 115,629 9,042	955 9,873 23,400 6,430 435 6,865 6,541 876 7,417 118,432 9,042 6,500	947 10.027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	960 10,155 24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	77 12 10 10 13 77 13 13 10 10 22 11 11 9 9 16 9 16	71 21 21 39 74 35 55 55 21 Clay County Utility served 939 peo in SRWMD portion of Bradford 55 County in 2015.
220667 City of Alach 15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orat 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	acclenny (Cacclenny (C	SRWMD Alachua Total City of Macclenny Town of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Town of Orange Park City of Creen Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Alachua Baker Baker Bradford Bradford Bradford, Clay Clay Clay Columbia Columbia	1.131 2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	1.170 2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	1.275 2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 13.778	1.170 2.485 0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158	1.207 2.579 0.934 0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049	9,665 22,407 6,391 428 6,819 6,591 855 7,446 118,554 9,042	9,665 22,595 6,430 435 6,865 6,585 877 7,462	9,873 23,400 6,430 435 6,865 6,541 876 7,417 118,432 9,042 6,500	10,027 23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	10,155 24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	10 13 77 13 10 10 22 11 11 9 9	14 39 74 35 55 55 57 70 70 70 70 7
15 City of Maccl 24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Oral 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	acclenny (College of the College of County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of County Board of Commission County Board of County Board Of County Board Of C	SRWMD Alachua Total City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040211 PWS 2040648 Postmaster Village, Keystone Heights, CCUA	Baker Baker Bradford Bradford Bradford, Clay Clay Clay Clay Columbia Columbia	2.210 0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	2.343 0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	2.513 0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 13.778	2.485 0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158	2.579 0.934 0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049	22,407 6,391 428 6,819 6,591 855 7,446 118,554 9,042	22,595 6,430 435 6,865 6,585 877 7,462 115,629 9,042	23,400 6,430 435 6,865 6,541 876 7,417 118,432 9,042 6,500	23,780 6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	24,177 6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	10 13 77 13 10 10 22 11 11 9 9	14 39 74 35 55 55 57 70 70 70 70 7
24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Glen St. Mary arke (County Utility Authority (County Drange Park (County Board of Commissic Orida Mega Industrial Park Weinstein (County Board of Commission (County Board of County Board of	City of Macclenny Fown of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Fown of Orange Park City of Grene Cove Springs SJRWMD Clay Total City of Uake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040648 Postmaster Village, Keystone Heights, CCUA PWS 2120630 & 2124372	Bradford Bradford, Clay Clay Clay Columbia Columbia	0.845 0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.886 0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.922 0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 13.778	0.903 0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158 13.705	0.934 0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049	6,391 428 6,819 6,591 855 7,446 118,554 9,042	6,430 435 6,865 6,585 877 7,462 115,629 9,042	6,430 435 6,865 6,541 876 7,417 118,432 9,042 6,500	6,472 440 6,912 6,538 868 7,406 118,437 9,058 6,630	6,582 449 7,031 6,700 889 7,589 120,444 9,058 6,763	13 7 13 10 10 22 11 11	39 74 75 75 76 77 78 78 79 79 70 70 71 71 72 71 72 73 75 76 76 77 77 78 78 78 78 78 78 78 78 78 78 78
24 Town of Gler 216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Glen St. Mary arke (County Utility Authority (County Drange Park (County Board of Commissic Orida Mega Industrial Park Weinstein (County Board of Commission (County Board of County Board of	Town of Glen St. Mary SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040648 Postmaster Village, Keystone Heights, CCUA PWS 2120630 & 2124372	Bradford Bradford, Clay Clay Clay Columbia Columbia	0.031 0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.031 0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.032 0.954 0.645 0.184 0.829 11.729 0.922 1.127 13.778	0.033 0.936 0.707 0.191 0.898 11.658 0.889 1.158 13.705	0.034 0.968 0.680 0.212 0.892 11.231 0.830 1.049	428 6,819 6,591 855 7,446 118,554 9,042	435 6,865 6,585 877 7,462 115,629 9,042	435 6,865 6,541 876 7,417 118,432 9,042 6,500	440 6,912 6,538 868 7,406 118,437 9,058 6,630	7,031 6,700 889 7,589 120,444 9,058 6,763	77 13 10 22 11 11 9 9 9	4 55 55 55 56 57 57 57 57
216650 City of Starke 218998 City of Lawte 416, 431 Clay County 453 Town of Oral 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	arke (Cawtey County Utility Authority Corange Park Teen Cove Springs (Cawte City County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of Commissic County Board of	SJRWMD Baker Total City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040648 Postmaster Village, Keystone Heights, CCUA PWS 2120630 & 2124372	Bradford Bradford Bradford, Clay Clay Clay Clay Columbia Columbia	0.876 0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.917 0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.954 0.645 0.184 0.829 11.729 0.922 1.127 13.778	0.936 0.707 0.191 0.898 11.658 0.889 1.158 13.705	0.968 0.680 0.212 0.892 11.231 0.830 1.049	6,819 6,591 855 7,446 118,554 9,042	6,865 6,585 877 7,462 115,629 9,042	6,865 6,541 876 7,417 118,432 9,042 6,500	6,912 6,538 868 7,406 118,437 9,058 6,630	7,031 6,700 889 7,589 120,444 9,058 6,763	13 10 22 11 11 9 9	55 D5 D5 D5 D5 D5 D5 D5
218998 City of Lawte 416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Inty Utility Authority (Corange Park 7)	City of Starke City of Lawtey SRWMD Bradford Total Clay County Utility Authority Flown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040648 Postmaster Village, Keystone Heights, CCUA PWS 2120630 & 2124372	Bradford, Clay Clay Clay Columbia Columbia	0.696 0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.748 0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.645 0.184 0.829 11.729 0.922 1.127 13.778	0.707 0.191 0.898 11.658 0.889 1.158 13.705	0.680 0.212 0.892 11.231 0.830 1.049	6,591 855 7,446 118,554 9,042	6,585 877 7,462 115,629 9,042	6,541 876 7,417 118,432 9,042 6,500	6,538 868 7,406 118,437 9,058 6,630	6,700 889 7,589 120,444 9,058 6,763	10 22 11 11 9 9	05 021 021 022 023 024 025 0
218998 City of Lawte 416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Inty Utility Authority (Corange Park 7)	City of Lawtey SRWMD Bradford Total Clay County Utility Authority Cown of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2040648 Postmaster Village, Keystone Heights, CCUA PWS 2120630 & 2124372	Bradford, Clay Clay Clay Columbia Columbia	0.186 0.882 10.628 0.862 0.970 12.460 3.231 0.042	0.193 0.941 11.037 0.887 0.996 12.920 3.280	0.184 0.829 11.729 0.922 1.127 13.778	0.191 0.898 11.658 0.889 1.158 13.705	0.212 0.892 11.231 0.830 1.049	7,446 118,554 9,042	7,462 115,629 9,042	876 7,417 118,432 9,042 6,500	118,437 9,058 6,630	7,589 7,589 120,444 9,058 6,763	22 11 11 9 9 16	21 19 Clay County Utility served 939 peo in SRWMD portion of Bradford 25 County in 2015.
416, 431 Clay County 453 Town of Orar 499 City of Greer 217754 City of Lake 220704 Columbia Cc 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Inty Utility Authority (Congrege Park Teen Cove Springs Could be City County Board of Commission (County Board of Commission (County Board of County Board of	SRWMD Bradford Total Clay County Utility Authority Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	Postmaster Village, Keystone Heights, CCUA	Bradford, Clay Clay Clay Clay Columbia Columbia	10.628 0.862 0.970 12.460 3.231 0.042	0.941 11.037 0.887 0.996 12.920 3.280	0.829 11.729 0.922 1.127 13.778	0.898 11.658 0.889 1.158 13.705	0.892 11.231 0.830 1.049	7,446 118,554 9,042	7,462 115,629 9,042	7,417 118,432 9,042 6,500	7,406 118,437 9,058 6,630	7,589 120,444 9,058 6,763	9 9 9 16	Clay County Utility served 939 peo in SRWMD portion of Bradford 55 County in 2015.
453 Town of Oral 499 City of Greer 217754 City of Lake (220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Orange Park reen Cove Springs (ike City (a County Board of Commission or Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of County Boar	Clay County Utility Authority Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	Keystone Heights, CCUA PWS 2120630 & 2124372	Clay Clay Columbia Columbia	10.628 0.862 0.970 12.460 3.231 0.042	11.037 0.887 0.996 12.920 3.280	11.729 0.922 1.127 13.778	11.658 0.889 1.158 13.705	11.231 0.830 1.049	118,554 9,042	115,629 9,042	118,432 9,042 6,500	118,437 9,058 6,630	120,444 9,058 6,763	9 8 9	Clay County Utility served 939 peo in SRWMD portion of Bradford 05 County in 2015.
453 Town of Oral 499 City of Greer 217754 City of Lake (220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Orange Park reen Cove Springs (ike City (a County Board of Commission or Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of County Boar	Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	Keystone Heights, CCUA PWS 2120630 & 2124372	Clay Clay Columbia Columbia	0.862 0.970 12.460 3.231 0.042	0.887 0.996 12.920 3.280	0.922 1.127 13.778	0.889 1.158 13.705	0.830 1.049	9,042	9,042	9,042 6,500	9,058 6,630	9,058 6,763	9 16	in SRWMD portion of Bradford 95 County in 2015.
453 Town of Oral 499 City of Greer 217754 City of Lake (220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Orange Park reen Cove Springs (ike City (a County Board of Commission or Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of County Boar	Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	Keystone Heights, CCUA PWS 2120630 & 2124372	Clay Clay Columbia Columbia	0.862 0.970 12.460 3.231 0.042	0.887 0.996 12.920 3.280	0.922 1.127 13.778	0.889 1.158 13.705	0.830 1.049	9,042	9,042	9,042 6,500	9,058 6,630	9,058 6,763	9 16	95 County in 2015.
453 Town of Oral 499 City of Greer 217754 City of Lake (220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	Orange Park reen Cove Springs (ike City (a County Board of Commission or Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of Commission or County Board of County Boar	Town of Orange Park City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2120630 & 2124372	Clay Clay Columbia Columbia	0.862 0.970 12.460 3.231 0.042	0.887 0.996 12.920 3.280	0.922 1.127 13.778	0.889 1.158 13.705	0.830 1.049	9,042	9,042	9,042 6,500	9,058 6,630	9,058 6,763	9 16	97
499 City of Greer 217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	reen Cove Springs (Called Cover Springs) Rec City (County Board of Commission of Commission of County Board of Commission of County Board of	City of Green Cove Springs SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total		Clay Columbia Columbia	0.970 12.460 3.231 0.042	0.996 12.920 3.280	1.127 13.778	1.158 13.705	1.049			6,500	6,630	6,763	16	21
217754 City of Lake 220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	ike City County Board of Commissic (rida Mega Industrial Park Well	SJRWMD Clay Total City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total		Columbia Columbia	12.460 3.231 0.042	12.920 3.280	13.778	13.705		6,500	6 500			- /		61
220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	। County Board of Commissid (rida Mega Industrial Park We	City of Lake City Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total		Columbia	3.231 0.042	3.280			12 110		0,500					
220704 Columbia Co 239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	। County Board of Commissid (rida Mega Industrial Park We	Columbia County Board of Commissioners North Florida Mega Industrial Park Wellfield SRWMD Columbia Total		Columbia	0.042		3.413	0.000	13.110	134,096	131,171	133,974	134,125	136,265	5 9	99
239112 North Florida CSWR - Flor 756 Company, LL 784 City of Baldw	rida Mega Industrial Park We	North Florida Mega Industrial Park Wellfield SRWMD Columbia Total	PWS 2124413			0.038		3.362	3.345	18,604	18,697	18,752	18,912	19,097	17	77
CSWR - Flor 756 Company, LL 784 City of Baldw	<u> </u>	SRWMD Columbia Total		Columbia	0.000		0.035	0.045	0.066	70	70	70	71	75	63	35
CSWR - Flor 756 Company, LL 784 City of Baldw	<u> </u>	SRWMD Columbia Total	1			0.000	0.000	0.000	0.000	0	0	0	0	0	N/A	Permit issued in 2021
756 Company, LL 784 City of Baldw	Florida Utility Operating				3.273	3.318	3.448	3.407	3.411	18,674	18,767	18,822	18,983	19,172		70
756 Company, LL 784 City of Baldw	riorida Utility Operating To	COMP Florida Hility Operating Company			3.273	3.310	3.440	3.407	3.411	10,074	10,707	10,022	10,303	19,172	. 17	9
784 City of Baldw		CSWR - Florida Utility Operating Company,		ь .	0.075	0.070	0.007	0.000	0.000	4.045	4.045	1.045	4.045	4.045	.l .	
	,	LC		Duval	0.075	0.079	0.087	0.083	0.068	1,015	1,015	1,015	1,015	1,015		77 Formerly Neighborhood Utilities, In
793 City of Jacks		City of Baldwin		Duval	0.242	0.217	0.231	0.242	0.199	1,411	1,385	1,392	1,407	1,419	16	
	cksonville Beach (City of Jacksonville Beach		Duval	2.365	2.491	2.658	2.539	2.418	23,279	23,279	23,279	23,498	23,733	10	07
810 Atlantic Beac		Atlantic Beach Utility	Buccaneer / Atlantic Beach	Duval	2.101	2.179	2.400	2.324	2.319	22,530	22,674	23,024	23,313	23,585	9	, ,
842 City of Neptu		City of Neptune Beach		Duval	0.957	0.938	0.914	0.929	0.884	7,270	7,270	7,270	7,303	7,554	12	-
50293 Normandy V	y Villages Utilities	Normandy Villages Utilities		Duval	0.275	0.283	0.279	0.327	0.281	3,265	3,200	3,200	3,202	3,235	5	90
				Clay, Duval ,												
				Nassau, St.												
88271 JEA	J	JEA		Johns	100.428	104.625	109.845	113,288	110.158	815,762	823.308	833.065	844.347	857.673	12	29
<u> </u>	<u>L</u>	SJRWMD Duval Total	<u> </u>		106.443	110.812	116.414	119.732	116.327	874,532	882,131	892,245	904.085	918,214		
59 City of Flagle	aglar Pagah	City of Flagler Beach		Flagler	0.819	0.649	0.673	0.643	0.541	4,507	4,621	4,630	4,677	4,677	14	
59 City of Flagie	agier beach	Sity of Flagler Beach	Include Deverty Deceb	riagiei	0.619	0.049	0.673	0.043	0.541	4,507	4,021	4,630	4,077	4,077	14	14
1047 0:11.5	alm Casat	City of Dalm Coast	Include Beverly Beach	Clasias	0.505	7 07 .	7 000	7 000	7 450	70.000	70.040	04.400	00.40-	00 5 40		30
1947 City of Palm	aim Coast C	City of Palm Coast	Area	Flagler	6.565	7.074	7.606	7.660	7.452	79,903	79,819	81,182	82,137	89,548	8	38
	_			Flagler,												
		Plantation Bay Utility Company		Volusia	0.175	0.169	0.223	0.263	0.236	3,000	3,000	3,000	3,174	3,174		00
1982 City of Bunne	unnell	City of Bunnell		Flagler	0.352	0.329	0.401	0.486	0.337	2,835	2,875	2,910	2,934	2,999	13	31
2002 Manufacture	tured Home Communities	Manufactured Home Communities	Bulow Village Campground	Flagler	0.128	0.135	0.098	0.049	0.135	1,284	1,284	1,284	1,284	1,284	. 8	35
Dunes Comr	ommunity Development								Î						Î	Includes Golf Course. Per capita of
51136 District	·	Dunes Community Development District		Flagler	2.475	0.692	0.860	0.912	0.800	4.017	4.017	4.017	4.091	4.153	28	33 188 for just PS.
l		SJRWMD Flagler Total	1		10.514	9.048	9.861	10.013	9.501	95,546	95.616	97,023	98,297	105,835		99
216452 City of Trant	enton Water Treatment Plant	City of Trenton Water Treatment Plant	PWS 2211188	Gilchrist	0.231	0.218	0.220	0.195	0.204	2,042	2,040	2,038	2,041	2,100	10	
220310 Fanning Spri			F WV J ZZ I I I I I I I	Gilchrist	0.231	0.000	0.220	0.000	0.204	2,042	2,040	2,036	98	101		Wells are outside of Gilchrist Coun
ZZUS TUŢFANNING SPR	opings [F	anning Springs	<u> </u>	GIICHHST												·
		SRWMD Gilchrist Total			0.231	0.218	0.220	0.195	0.204	2,128	2,125	2,134	,	2,201		
216567 Town of Jenr		Town of Jennings	PWS 2240579	Hamilton	0.161	0.135	0.140	0.141	0.143	699	699	688	669	699		
216651 Town of Whi	White Springs	Town of White Springs	PWS 2241264	Hamilton	0.043	0.035	0.035	0.046	0.060	757	754	754	741	777	5	58
220443 Hamilton Co.		I!k Ok-\W-4 F!!k!		Hamilton	0.074	0.067	0.047	0.052	0.060	0	0	0	0	0	N/A	
	County Water Facilities	Hamilton County Water Facilities	PWS 2244150											0.705	-	1
220463 City of Jaspe		Hamilton County Water Facilities City of Jasper	PWS 2244150 PWS 2240570	Hamilton	0.611	0.658	0.735	0.686	0.716	3,635	3,623	3,598	3,574	3,735	18	38 1

Table B-5a, Continued. 2014-2018 Water Use, Population Served, and Five-Year Gross Per Capita Averages for Public Supply Permitted Equal to or Greater than 0.10 mgd, in Region 1 of the St. Johns River Water Management District.

Normal Name	0	114:1:4.	Alternate Name /	0		'	Nater Use					Population		•	2014-2018	Natas
up Number	Owner	Utility	Comments	County	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	Average Gross	Notes
	City of Fernandina Beach	City of Fernandina Beach		Nassau	3.057	2.956	3.273	3.288	3.393	18,661	18,661	18,797	19,020	19,249	169	
	Town of Callahan	Town of Callahan		Nassau	0.152	0.157	0.168	0.181	0.201	1,609	1,609	1,658	1,672	1,719	104	
948	Town of Hilliard	Town of Hilliard		Nassau	0.221	0.232	0.213	0.231	0.272	3,000	3,000	3,166	3,178	3,189	75	
	Nassau County Board of County															
50087	Commissioners	Nassau Amelia Utilities	Amelia Island	Nassau	1.264	1.309	1.407	1.418	1.385	8,946	9,242	9,290	9,344	9,401	147	
88271	JEA	JEA	Nassau Regional (Old 942)	Nassau	2.185	2.257	2.651	2.890	3.167	16,185	17,253	18,875	20,553	22,170		
		SJRWMD Nassau Total			6.879	6.911	7.712	8.008	8.418	48,401	49,765	51,786	53,767	55,728	146	
1624, 8150	Town of Interlachen	Town of Interlachen		Putnam	0.080	0.082	0.080	0.101	0.071	930	935	938	943		88	
1627	City of Crescent City	City of Crescent City		Putnam	0.176	0.166	0.171	0.178	0.171	1,800	1,800	1,800	1,804	1,805	96	
																Service area covers Putnam, Clay
	Melrose Water Association	Melrose Water Association		Putnam	0.100	0.151	0.113	0.107	0.108	1,286	1,286	1,286	1,293	1,304	90	Alachua, and Bradford Counties.
	River Park Utility Mgt. Assoc.	River Park Utilities Management Assoc.		Putnam	0.062	0.098	0.065	0.069	0.050	1,000	1,000	1,000	1,001	1,001	69	
	City of Palatka	City of Palatka		Putnam	1.326	1.307	1.206	1.526	0.961	11,900	11,941	11,985	12,053	12,053	106	
8168	Town of Welaka	Town of Welaka		Putnam	0.094	0.098	0.088	0.114	0.094	1,781	1,781	1,781	1,785	1,790	55	
			East Putnam County Water													
			System. East Palatka &													
92165	Putnam County BOCC	Putnam County BOCC	San Mateo	Putnam	0.243	0.269	0.274	0.271	0.261	2,393	2,479	2,842	2,851	2,857	98	
		SJRWMD Putnam Total			2.081	2.171	1.997	2.366	1.716	21,090	21,222	21,632	21,730	21,769	96	
	North Beach Utilities	North Beach Utilities		St. Johns	0.415	0.449	0.493	0.498	0.535	3,295	3,295	3,445	3,702	3,789		
324	Wildwood Water Company	Wildwood Water Company		St. Johns	0.061	0.060	0.058	0.059	0.057	858	858	858	858	891	68	
4440	St. Johns County Utilities	St. Johns County Utilities	Was previously Intercoastal Utilities CUP 1213 (consolidated)	Duval, St. Johns	3,665	4.017	4.535	4.763	4.010	25.353	25.353	25.707	26.176	27.197	144	
1142	St. Johns County Othities	St. Johns County Othities	Serves Eagle Creek -	Jonns	3.003	4.017	4.535	4.763	4.010	25,353	25,353	25,707	20,170	21,191	144	
			PWSID interconnection													
	St. Johns County Utilities	St. Johns County Utilities		St. Johns	6.818	6.895	7.922	7.846	7.684	62,675	70,395	70,395	75,016	75,016		
	St. Johns County Utilities	St. Johns County Utilities	Town of Hastings	St. Johns	0.080	0.084	0.086	0.083	0.089	593	682	682	695			
50299	City of St. Augustine Utilities	City of St. Augustine Utilities		St. Johns	2.951	3.231	3.409	3.578	3.460	28,207	28,207	29,490	30,190	32,088		
		SJRWMD St. Johns Total			13.990	14.736	16.503	16.827	15.835	120,981	128,790	130,577	136,637	139,689	119	
216507	Town of Wellborn	Town of Wellborn	PWS 2611246	Suwannee	0.042	0.035	0.037	0.038	0.039	493	483	485	478	490	79	
	Town of Branford	Town of Branford	PWS 2610109	Suwannee	0.075	0.073	0.082	0.094	0.084	666	664	683	683			
	Advent Christian Village	Advent Christian Village	PWS 2610012	Suwannee	0.137	0.136	0.136	0.146	0.127	563	563	753	761	780		
220612	City of Live Oak	City of Live Oak	PWS 2610203	Suwannee	1.188	1.065	1.150	1.068	1.056	5,627	5,781	5,750	5,779	6,005	191	
		SRWMD Suwannee Total			1.442	1.309	1.405	1.346	1.306	7,349	7,491	7,671	7,701	7,975	178	
220148	City of Lake Butler	City of Lake Butler	PWS 2630202	Union	0.219	0.260	0.213	0.222	0.223	1,743	1,742	1,742	1,729	1,850	129	
		SRWMD Union Total			0.219	0.260	0.213	0.222	0.223	1,743	1,742	1,742	1,729	1,850	129	
		SJRWMD Region 1 Total			175.435	179.943	189.924	195.363	189.002	1,493,569	1,509,178	1,529,149	1,551,902	1,583,200		
		SRWMD NFRWSP Total			9.146	9.284	9.585	9.478	9.594	64,838	65,258	66,226	66,722	68,175	142	
		NFRWSP Total			184.581	189.227	199.509	204.841	198.596	1,558,407	1.574.436	1,595,375	1,618,624	1,651,375	122	

- Notes:
 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) 2014 2018 water use data source is NFSEG master geodatabase with metered and estimated public supply water use.
 4.) 2014 2018 population obtained from Technical Staff Reports, BEBR estimates of population, DEP MOR and Basic Facility Report Data, parcel data, and permittee surveys.

Table B-6. Domestic Self-supply and Small Public Supply Systems Population and Water Use for 2015 and 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Management District.

Table B-0. Bolliest	I								Percent	•	Water Use												De	emand Proj	jections (5	5-in-10)				C THYOI WAICE							Percent	Der	nand Projection	ons (1-in-10)	
County	District	Population		P	opulation P	rojections			Change		2015			2020	0			20	25			20	30			2	035			2	040			204	45		Change		2045	,	
		2015	2020	2025	2030	2035	2040	2045	2015-2045	Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Alachua	SJRWMD	9,486	9,756	10,120	11,998	11,998	13,089	14,518	53%	0.65	0.00	0.65	0.67	0.00	0.00	0.67	0.70	0.00	0.00	0.70	0.83	0.00	0.00	0.83	0.83	3 0.00	0.0	0.8	3 0.9	90 0.00	0.00	0.90	1.00	0.00	0.00	1.00	54%	1.06	0.00	0.00	1.06
Alachua	SRWMD	28,769	33,253	34,803	32,421	32,655	32,209	31,624	10%	1.51	0.00	1.51	1.74	0.00	0.00	1.74	1.82	0.00	0.00	1.82	1.69	0.00	0.00	1.69	1.70	0.00	0.0	00 1.7	0 1.0	0.00	0.00	1.68	1.65	0.00	0.00	1.65	9%	1.75	0.00	0.00	1.75
Alachua	Total	38,255	43,009	44,923	44,419	44,653	45,298	46,142	21%	2.16	0.00	2.16	2.41	0.00	0.00	2.41	2.52	0.00	0.00	0 2.52	2.52	0.00	0.00	2.52	2.53	3 0.00	0.0	0 2.5	3 2.	58 0.00	0.00	2.58	2.65	0.00	0.00	2.65	23%	2.81	0.00	0.00	2.81
Baker	SJRWMD	19,691	20,395	21,529	22,193	22,924	23,637	24,364	24%	2.07	0.00	2.07	2.43	0.00	0.00	2.43	2.56	0.00	0.00	2.56	2.64	0.00	0.00	2.64	2.73	3 0.00	0.0	00 2.7	3 2.	81 0.00	0.00	2.81	2.90	0.00	0.00	2.90	40%	3.07	0.00	0.00	3.07
Baker	SRWMD	503	521	549	573	591	609	623	24%	0.05	0.00	0.05	0.06	0.00	0.00	0.06	0.06	0.00	0.00	0.06	0.06	0.00	0.00	0.06	0.0	6 0.00	0.0	0.0	0.0	0.00	0.00	0.07	0.07	0.00	0.00	0.07	40%	0.07	0.00	0.00	0.07
Baker	Total	20,194	20,916	22,078	22,766	23,515	24,246	24,987	24%	2.12	0.00	2.12	2.49	0.00	0.00	2.49	2.62	0.00	0.00	2.62	2.70	0.00	0.00	2.70	2.79	9 0.00	0.0	0 2.7	9 2.	88 0.00	0.00	2.88	2.97	0.00	0.00	2.97	40%	3.14	0.00	0.00	3.14
Bradford	SJRWMD	2,174	2,353	2,727	2,914	2,914	3,079	3,263	50%	0.13	0.00	0.13	0.21	0.00	0.00	0.21	0.25	0.00	0.00	0.25	0.27	0.00	0.00	0.27	0.2	7 0.00	0.0	0.2	7 0.3	28 0.00	0.00	0.28	0.30	0.00	0.00	0.30	131%	0.32	0.00	0.00	0.32
Bradford	SRWMD	13,289	12,251	12,068	11,939	12,050	11,884	11,414	-14%	0.62	0.00	0.62	0.57	0.00	0.00	0.57	0.56	0.00	0.00	0.56	0.56	0.00	0.00	0.56	0.56	6 0.00	0.0	0.5	6 0.	55 0.00	0.00	0.55	0.54	0.00	0.00	0.54	-13%	0.53	0.00	0.00	0.53
Bradford	Total	15,463	14,604	14,795	14,853	14,964	14,963	14,677	-5%	0.75	0.00	0.75	0.78	0.00	0.00	0.78	0.81	0.00	0.00	0.81	0.83	0.00	0.00	0.83	0.83	3 0.00	0.0	0.8	3 0.8	83 0.00	0.00	0.83	0.84	0.00	0.00	0.84	12%	0.85	0.00	0.00	0.85
Clay	SJRWMD	64,758	64,760	64,876	64,937	65,010	64,951	64,892	0%	6.20	0.00	6.20	4.76	0.00	0.00	4.76	4.77	0.00	0.00	4.77	4.77	0.00	0.00	4.77	4.78	8 0.00	0.0	00 4.7	8 4.	77 0.00	0.00	4.77	4.77	0.00	0.00	4.77	-23%	5.06	0.00	0.00	5.06
Columbia	SRWMD	45,270	46,898	49,337	51,272	52,689	53,793	54,677	21%	2.63	0.00	2.63	2.73	0.00	0.00	2.73	2.87	0.00	0.00	0 2.87	2.98	0.00	0.00	2.98	3.00	6 0.00	0.0	00 3.0	6 3.	13 0.00	0.00	3.13	3.19	0.00	0.00	3.19	21%	3.33	0.00	0.00	3.33
Duval	SJRWMD	158,510	164,146	168,733	170,420	170,879	169,623	167,483	6%	14.74	0.00	14.74	15.92	0.00	0.00	15.92	16.37	0.00	0.00	16.37	16.53	0.00	0.00	16.53	16.58	0.00	0.0	00 16.5	16.4	45 0.00	0.00	16.45	16.25	0.00	0.00	16.25	10%	17.23	0.00	0.00	17.23
Flagler	SJRWMD	4,964	5,542	5,596	6,992	7,114	7,258	7,671	55%	0.26	0.00	0.26	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.38	0.00	0.00	0.38	0.39	9 0.00	0.0	0.3	9 0.3	39 0.00	0.00	0.39	0.40	0.00	0.00	0.40	54%	0.42	0.00	0.00	0.42
Gilchrist	SRWMD	14,033	14,994	15,628	16,204	16,751	17,234	17,734	26%	0.99	0.00	0.99	1.06	0.00	0.00	1.06	1.11	0.00	0.00	1.11	1.15	0.00	0.00	1.15	1.19	9 0.00	0.0	00 1.1	9 1.3	22 0.00	0.00	1.22	1.26	0.00	0.00	1.26	27%	1.34	0.00	0.00	1.34
Hamilton	SRWMD	7,065	6,869	7,026	7,103	7,103	7,103	7,169	1%	0.65	0.00	0.65	0.64	0.00	0.00	0.64	0.65	0.00	0.00	0.65	0.66	0.00	0.00	0.66	0.66	0.00	0.0	0.6	6 0.0	0.00	0.00	0.66	0.67	0.00	0.00	0.67	3%	0.71	0.00	0.00	0.71
Nassau	SJRWMD	8,433	9,538	11,516	12,355	13,436	14,311	15,120	79%	1.11	0.00	1.11	1.49	0.00	0.00	1.49	1.72	0.00	0.00	1.72	1.85	0.00	0.00	1.85	2.03	3 0.00	0.0	00 2.0	3 2.	16 0.00	0.00	2.16	2.28	0.00	0.00	2.28	105%	2.42	0.00	0.00	2.42
Putnam	SJRWMD	56,398	56,295	56,300	56,304	56,310	56,317	56,324	0%	2.82	0.00	2.82	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	3.24	4 0.00	0.0	00 3.2	4 3.3	24 0.00	0.00	3.24	3.24	0.00	0.00	3.24	15%	3.43	0.00	0.00	3.43
St. Johns	SJRWMD	43,297	52,110	51,807	51,459	51,111	50,763	50,415	16%	2.96	0.00	2.96	4.58	0.00	0.00	4.58	4.56	0.00	0.00	4.56	4.53	0.00	0.00	4.53	4.50	0.00	0.0	00 4.5	0 4.4	47 0.00	0.00	4.47	4.44	0.00	0.00	4.44	50%	4.70	0.00	0.00	4.70
Suwannee	SRWMD	34,041	35,774	37,338	38,872	40,087	41,234	42,261	24%	2.22	0.00	2.22	2.34	0.00	0.00	2.34	2.48	0.00	0.00	2.48	2.58	0.00	0.00	2.58	2.66	0.00	0.0	00 2.6	6 2.	73 0.00	0.00	2.73	2.80	0.00	0.00	2.80	26%	2.96	0.00	0.00	2.96
Union	SRWMD	9,273	8,917	8,982	8,982	9,062	9,062	9,062	-2%	0.66	0.00	0.66	0.65	0.00	0.00	0.65	0.65	0.00	0.00	0.65	0.65	0.00	0.00	0.65	0.66	0.00	0.0	0.6	6 0.	66 0.00	0.00	0.66	0.66	0.00	0.00	0.66	0%	0.70	0.00	0.00	0.70
SJRWMD Regi		367,711	384,895	393,204	399,572	401,696	403,028	404,050	10%	30.94	0.00	30.94	33.60	0.00	0.00	33.60	34.47	0.00	0.00	34.47	35.04	0.00	0.00	35.04	35.3	5 0.00	0.0	35.3	5 35.4	47 0.00	0.00	35.47	35.58	0.00	0.00	35.58	15%	37.71	0.00	0.00	37.71
SRWMD NFRV	VSP Total	152,243	159,477	165,731	167,366	170,988	173,128	174,564	15%	9.33	0.00	9.33	9.79	0.00	0.00	9.79	10.20	0.00	0.00	10.20	10.33	0.00	0.00	10.33	10.5	5 0.00	0.0	10.5	5 10.	70 0.00	0.00	10.70	10.84	0.00	0.00	10.84	16%	11.39	0.00	0.00	11.39
NFRWSP	Total	519,954	544,372	558,935	566,938	572,684	576,156	578,614	11%	40.27	0.00	40.27	43.39	0.00	0.00	43.39	44.67	0.00	0.00	0 44.67	45.37	0.00	0.00	45.37	45.90	0.00	0.0	0 45.9	0 46.	17 0.00	0.00	46.17	46.42	0.00	0.00	46.42	15%	49.10	0.00	0.00	49.10

Notes:
1.) All water use is shown in million gallons per day.
2.) Rounding errors account for nominal discrepancies.
3.) Public water supply water uses existed prior to their locations becoming part of public water supply service areas. For public water supply service areas, the Districts do not have sufficient information to separate the populations served by public supply systems from those served by domestic self-supply wells. Therefore, public water supply is service areas. For public water supply service areas, the Districts do not have sufficient information to separate the populations served by public supply systems from those served by domestic self-supply wells. Therefore, public water supply populations and distributional 6 percent of 2045 average demand.
4.) 1-in-10 rainfall year demand for 2045 calculated as an additional 6 percent of 2045 average demand.
5.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-6a. Domestic Self-Supply Population and Water Use for 2015 and Population Projections for 2020-2045, 5-in-10 Year Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Project

| Population Projections 25 2030 2035 2040 2045 1,120 11,998 11,998 13,089 14,5 ,554 32,152 32,386 31,940 31,3 ,654 44,150 44,384 45,029 45,8 ,529 22,193 22,924 23,637 24,3 ,549 573 591 609 66 ,078 22,766 23,515 24,246 24,9 ,727 2,914 2,914 3,079 3,2 ,254 11,125 11,236 11,070 10,7 ,981 14,039 14,150 14,149 14,0 1061 63,001 63,002 62,943 62,8 | 53%
10%
21%
24%
24%
50%
-14% | 2015 GW SW 0.65 0.00 1.49 0.00 2.14 0.00 0.05 0.05 0.05 0.00 0.13 0.00 0.53 0.00 0.53 0.00 | Total G 0.65 1.49 2.14 2.07 0.05 2.12 0.13 0.53 | 20 SW SW 0.67 0.00 1.72 0.00 2.39 0.00 0.06 0.00 0.00 0.249 0.00 0.21 0.00 0.48 0.00 0.00 | 020 Other 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0. | Total
0.67
1.72
2.39
2.43
0.06
2.49

 | 0.70
1.80
2.50
2.56
0.06 | 2025 SW Othe 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0 0.00 0
 | er Total 0.00 0.70 0.00 1.80 0.00 2.50 0.00 0.00 0.00 2.60 | GW 0.83
0 1.67
0 2.50
6 2.64
6 0.06 | 0.00
 | | Total 0.83 1.67 2.50 2.64 0.06
 | 0.83
1.68
2.51
2.73
0.06 | 2035
SW O
0.00
0.00
0.00
0.00 | 0.00 0
0.00 1
0.00 2
0.00 2 | 0.83 0
1.68 1 | SW .90 0.
.66 0.
.56 0. | | Total
0.90
1.66
2.56
2.81 | 1.00
1.63
2.63
2.90 | 2045
SW C
0.00
0.00
0.00
0.00 | 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0 | Change 2015-204: .00 54 .63 9 .63 23 .90 40 | % 69
% 52
 | 1.06
1.73
2.79
3.07 | 2045
SW 00
0.00
0.00
0.00 | 0.00
0.00
0.00 |
|--|--|---|---|--|---
--
--
--|---|--|--|---
--
--|--|--|---
---|--|--------------------------------------|--|---|---|--|---|--|---|---
--|--|---|
| 1.120 11.998 13.089 14.5 .534 32.152 32.386 31.940 31.3 .654 44.150 44.384 45.029 45.8° .529 22.193 22.924 23.637 24.3° .549 573 591 609 609 609 .078 22.766 23.515 24.246 24.91 .727 2.914 2.914 3.079 3.2 .244 11.125 11.236 11.070 10.7° .981 14,039 14,150 14,149 14,00 .061 63.001 63.001 62.943 62.943 62.943 | 53%
10%
21%
24%
24%
50%
-14% | 0.65 0.00
1.49 0.00
2.14 0.00
2.07 0.00
0.05 0.00
2.12 0.00
0.13 0.00
0.53 0.00 | 0.65
1.49 | 0.67 0.00
1.72 0.00 | Other 0.00 | Total
0.67
1.72
2.39
2.43
0.06
2.49

 | 0.70
1.80 | SW Other 0.00 (0.00
(0.00 (0.0 | er Total 0.00 0.76 0.00 1.86 0.00 2.56 0.00 2.50 0.00 0.00 | 0 0.83
0 1.67 | 0.00
 | 0.00
0.00
0.00
0.00
0.00
0.00 | Total
0.83
1.67
2.50
2.64
0.06
 | 0.83
1.68 | 0.00
0.00 | ther | 0.83 0
1.68 1 | .90 0.
.66 0. | 0 0.00
0 0.00 | 0.90
1.66 | 1.00
1.63 | 0.00
0.00 | 0.00 | .00 54
.63 9 | % 69
% 52
% N/A
% 119
 | 1.06
1.73 | 0.00
0.00 | 0.00 |
| ,654 44,150 44,384 45,029 45,81 ,529 22,193 22,924 23,637 24,31 549 573 591 609 609 ,078 22,766 23,515 24,248 24,98 ,727 2,914 2,914 3,079 3,079 3,079 ,254 11,125 11,236 11,070 10,77 10,77 ,981 14,039 14,150 14,149 14,02 16,014 63,002 62,943 62,84 ,061 63,001 63,002 62,943 62,943 62,84 62,84 | 24%
24%
24%
50%
-14% | 2.14 0.00
2.07 0.00
0.05 0.00
2.12 0.00
0.13 0.00
0.53 0.00 | 0.65
1.49
2.14
2.07
0.05
2.12
0.13
0.53 | 0.67 0.00
1.72 0.00
2.39 0.00
2.43 0.00
0.06 0.00
2.49 0.00
0.24 0.00 | 0.00
0.00
0.00
0.00
0.00
0.00
0.00 | 0.67
1.72
2.39
2.43
0.06
2.49

 | 0.70
1.80
2.50
2.56
0.06
2.62 | 0.00 (0
0.00 (0
0.00 (0
0.00 (0
0.00 (0
 | 0.00 0.70
0.00 1.80
0.00 2.50
0.00 2.50
0.00 0.00 | 0 0.83
0 1.67
0 2.50
6 2.64
6 0.06 |
 | 0.00
0.00
0.00
0.00
0.00 | 0.83
1.67
2.50
2.64
0.06
 | 1.00 | | 0.00 (0
0.00 1
0.00 2
0.00 2 | 0.83 0
1.68 1
2.51 2
2.73 2 | | | 0.90
1.66
2.56
2.81 | 1.00
1.63
2.63
2.90 | 0.00
0.00
0.00
0.00 | 0.00 | .00 54
.63 9
.63 23
.90 40 | % N/A
% 119
 | | 0.00 | 0.00
0.00
0.00 |
| ,654 44,150 44,384 45,029 45,81 ,529 22,193 22,924 23,637 24,31 549 573 591 609 609 ,078 22,766 23,515 24,248 24,98 ,727 2,914 2,914 3,079 3,079 3,079 ,254 11,125 11,236 11,070 10,77 10,77 ,981 14,039 14,150 14,149 14,02 16,014 63,002 62,943 62,84 ,061 63,001 63,002 62,943 62,943 62,84 62,84 | 24%
24%
24%
50%
-14% | 2.14 0.00
2.07 0.00
0.05 0.00
2.12 0.00
0.13 0.00
0.53 0.00 | 1.49
2.14
2.07
0.05
2.12
0.13
0.53 | 1.72 0.00 2.39 0.00 2.43 0.00 0.06 0.00 2.49 0.00 0.21 0.00 0.48 0.00 | 0.00
0.00
0.00
0.00
0.00
0.00 | 1.72
2.39
2.43
0.06
2.49

 | 1.80
2.50
2.56
0.06
2.62 | 0.00 (0
0.00 (0
0.00 (0
0.00 (0
 | 0.00 1.80
0.00 2.50
0.00 2.50
0.00 0.00 | 0 1.67
0 2.50
6 2.64
6 0.06 |
 | 0.00
0.00
0.00
0.00 | 1.67
2.50
2.64
0.06
 | 1.00 | | 0.00 1
0.00 2
0.00 2 | 1.68 1
2.51 2
2.73 2 | | | 1.66
2.56
2.81 | 1.63
2.63
2.90 | 0.00
0.00
0.00 | 0.00 | .63 9
.63 23
.90 40 | % N/A
% 119
 | | 0.00 | 0.00 |
| .529 22,193 22,924 23,637 24,36 .549 573 591 609 60 .078 22,766 23,515 24,246 24,91 .727 2,914 2,914 3,079 3,2 .254 11,125 11,236 11,070 10,7 .981 14,039 14,150 14,149 14,00 .061 63,061 63,002 62,943 62,84 | 24%
24%
24%
50%
-14% | 2.07 0.00
0.05 0.00
2.12 0.00
0.13 0.00
0.53 0.00 | 2.14
2.07
0.05
2.12
0.13
0.53 | 2.39 0.00 2.43 0.00 0.06 0.00 2.49 0.00 0.21 0.00 0.48 0.00 | 0.00
0.00
0.00
0.00
0.00 | 2.39
2.43
0.06
2.49

 | 2.50
2.56
0.06
2.62 | 0.00 (
0.00 (
0.00 (
0.00 (
 | 0.00 2.50
0.00 2.50
0.00 0.00 | 0 2.50
6 2.64
6 0.06 | 0.00
0.00
0.00
 | 0.00
0.00
0.00 | 2.50
2.64
0.06
 | 2.51
2.73
0.06 | 0.00
0.00 | 0.00 2
0.00 2 | 2.51 2
2.73 2 | . 56 0.
.81 0. | 0 0.00
0 0.00 | 2.56
2.81 | 2.63
2.90 | 0.00 | 0.00 | .63 23
.90 40 | % 119
 | 2.79
3.07 | 0.00
0.00 | 0.00 |
| 549 573 591 609 6: ,078 22,766 23,515 24,246 24,91 ,727 2,914 2,914 3,079 3,22 ,254 11,125 11,236 11,070 10,74 ,981 14,039 14,150 14,149 14,05 ,061 63,061 63,002 62,943 62,84 | 50%
-14% | 0.00 | 2.07
0.05
2.12
0.13
0.53 | 2.43 0.00
0.06 0.00
2.49 0.00
0.21 0.00 | 0.00
0.00
0.00
0.00 | 2.43
0.06
2.49

 | 2.56
0.06
2.62 | 0.00 (
0.00 (
 | 0.00 2.5 0
0.00 0.0 0 | 6 2.64
6 0.06 | 0.00
 | 0.00 | 2.64
0.06
 | 2.73
0.06 | 0.00 | 0.00 2 | 2.73 | .81 0. | 0.00 | 2.81 | 2.90 | 0.00 | 0.00 | .90 40 | % 119
% 100
 | 3.07 | 0.00 | 0.00 |
| .727 2,914 2,914 3,079 3,26
,254 11,125 11,236 11,070 10,76
,981 14,039 14,150 14,149 14,00
,061 63,061 63,002 62,943 62,84 | 50%
-14% | 0.00 | 0.05
2.12
0.13
0.53 | 0.06 0.00
2.49 0.00
0.21 0.00
0.48 0.00 | 0.00
0.00
0.00 | 0.06
2.49

 | 0.06
2.62 | 0.00
 | 0.00 | 0.06 | 0.00
 | 0.00 | 0.06
 | 0.06 | 0.00 | 0.00 | 0.00 | 0.7 | 0.00 | 0.07 | | | | | 0/ 100
 | 0.07 | | 0.00 |
| .727 2,914 2,914 3,079 3,26
,254 11,125 11,236 11,070 10,76
,981 14,039 14,150 14,149 14,00
,061 63,061 63,002 62,943 62,84 | 50%
-14% | 0.00 | 2.12
0.13
0.53 | 2.49 0.00
0.21 0.00
0.48 0.00 | 0.00 | 2.49

 | 2.62 | 0.00
 | 1 nn 2 e | |
 | |
 | | 2.22 | 0.00 | .00 | .07 0. | 0.00 | 0.07 | 0.07 | 0.00 | 0.00 | .07 40 | 70 100
 | 0.07 | 0.00 | 0.00 |
| 14,039 14,150 14,149 14,03 16 | 50%
-14% | 0.00 | 0.13
0.53 | 0.21 0.00 | 0.00 | 0.24

 | |
 | 2.00 | 2.70 | 0.00
 | 0.00 | 2.70
 | 2.79 | 0.00 | 0.00 | 2.79 | .88 0. | 0.00 | 2.88 | 2.97 | 0.00 | 0.00 | .97 40 | % N/A
 | 3.14 | 0.00 | 0.00 |
| 14,039 14,150 14,149 14,03 16 | -14%
- 4% | 0.00 | 0.53 | 0.48 0.00 | | 0.21

 | 0.25 | 0.00
 | 0.00 0.2 | 5 0.27 | 0.00
 | 0.00 | 0.27
 | 0.27 | 0.00 | 0.00 |). 27 0 | .28 0. | 0.00 | 0.28 | 0.30 | 0.00 | 0.00 | .30 131 | % 91
 | 0.32 | 0.00 | 0.00 |
| 0,061 63,061 63,002 62,943 62,86 | -4% | 0.66 0.00 | | 0.40 | 0.00 | 0.48

 | 0.47 | 0.00
 | 0.00 0.4 | 7 0.47 | 0.00
 | 0.00 | 0.47
 | 0.47 | 0.00 | 0.00 |). 47 0 | .46 0. | 0.00 | 0.46 | 0.45 | 0.00 | 0.00 | . 45 -15 | % 42
 | 0.48 | 0.00 | 0.00 |
| | | 0.00 | 0.66 | 0.69 0.00 | 0.00 | 0.69

 | 0.72 | 0.00
 | 0.00 0.72 | 2 0.74 | 0.00
 | 0.00 | 0.74
 | 0.74 | 0.00 | 0.00 |).74 0 | .74 0. | 0.00 | 0.74 | 0.75 | 0.00 | 0.00 | .75 14 | % N/A
 | 0.80 | 0.00 | 0.00 |
| | 0% | 6.05 0.00 | 6.05 | 4.60 0.00 | 0.00 | 4.60

 | 4.60 | 0.00
 | 0.00 4.6 | 0 4.60 | 0.00
 | 0.00 | 4.60
 | 4.60 | 0.00 | 0.00 | 1.60 4 | .59 0. | 0.00 | 4.59 | 4.59 | 0.00 | 0.00 | -24 | % 73
 | 4.87 | 0.00 | 0.00 |
| i,949 48,884 50,301 51,356 52,12 | 21% | 2.38 0.00 | 2.38 | 2.49 0.00 | 0.00 | 2.49

 | 2.63 | 0.00
 | 0.00 2.6 3 | 3 2.74 | 0.00
 | 0.00 | 2.74
 | 2.82 | 0.00 | 0.00 | 2.82 2 | .88 0. | 0.00 | 2.88 | 2.92 | 0.00 | 0.00 | 23 a.92 | % 56
 | 3.10 | 0.00 | 0.00 |
| 1,733 170,420 170,879 169,623 167,48 | 6% | 14.74 0.00 | 14.74 | 15.92 0.00 | 0.00 | 15.92

 | 16.37 | 0.00
 | 0.00 16.3 | 7 16.53 | 0.00
 | 0.00 | 16.53
 | 16.58 | 0.00 | 0.00 16 | 5. 58 16 | .45 0. | 0.00 | 16.45 | 16.25 | 0.00 | 0.00 | | % 97
 | 17.23 | 0.00 | 0.00 |
| | 50% | 0.25 0.00 | 0.25 | 0.29 0.00 | 0.00 | 0.29

 | 0.29 | 0.00
 | 0.00 0.29 | 9 0.37 | 0.00
 | 0.00 | 0.37
 | 0.38 | 0.00 | 0.00 |). 38 0 | .38 0. | 0.00 | 0.38 | 0.38 | 0.00 | 0.00 | . 38 52 | % 56
 | 0.40 | 0.00 | 0.00 |
| | 26% | 0.99 0.00 | 0.99 | 1.06 0.00 | 0.00 | 1.06

 | 1.11 | 0.00
 | 0.00 1.1 | 1 1.15 | 0.00
 | 0.00 | 1.15
 | 1.19 | 0.00 | 0.00 | . 19 1 | .22 0. | 0.00 | 1.22 | 1.26 | 0.00 | 0.00 | . 26 27 | % 71
 | 1.34 | 0.00 | 0.00 |
| | 2% | 0.59 0.00 | 0.59 | 0.58 0.00 | 0.00 | 0.58

 | 0.59 | 0.00
 | 0.00 | 9 0.60 | 0.00
 | 0.00 | 0.60
 | 0.60 | 0.00 | 0.00 |). 60 | .60 0. | 0.00 | 0.60 | 0.61 | 0.00 | | | ,0
 | 0.65 | 0.00 | 0.00 |
| | 73% | 1.10 0.00 | 1.10 | 1.40 0.00 | 0.00 | 1.43

 | 1.64 | 0.00
 | 0.00 1.6 | 4 1.77 | 0.00
 | 0.00 | 1.77
 | 1.94 | 0.00 | 0.00 | . 94 2 | .07 0. | 0.00 | 2.07 | 2.19 | 0.00 | 0.00 | |
 | 2.32 | 0.00 | 0.00 |
| | 0% | 2.62 0.00 | 2.62 | 0.01 | 0.00 | 3.04

 | 3.04 | 0.00
 | 0.00 3.0 4 | |
 | 0.00 | 3.04
 | 3.04 | | 0.00 | | | | 3.04 | 3.04 | 0.00 | 0.00 | .0-1 | % 57
 | 3.22 | 0.00 | 0.00 |
| | 17% | 2.85 0.00 | 2.85 | 4.46 0.00 | 0.00 | 4.46

 | 1.10 | 0.00
 | 0.00 4.4 | | 0.00
 | 0.00 | 4.40
 | 4.37 | | 0.00 | | .0 . | | 4.34 | 4.31 | 0.00 | 0.00 | . 31 51 | % 88
 | 4.57 | 0.00 | 0.00 |
| | 24% | 2.18 0.00 | 2.18 | 2.30 0.00 | 0.00 | 2.30

 | | 0.00
 | 0.00 2.4 | |
 | 0.00 | 2.50
 | 2.58 | 0.00 | 0.00 | | | | 2.65 | 2.72 | 0.00 | | . 72 25 | ,0
 | 2.88 | 0.00 | 0.00 |
| | -2% | 0.65 0.00 | 0.65 | 0.64 0.00 | 0.00 | 0.64

 | 0.04 | 0.00
 | 0.64 | 0.01 | 0.00
 | 0.00 | 0.64
 | 0.65 | 0.00 | 0.00 | .00 | .65 0. | 0.00 | 0.65 | 0.65 | 0.00 | | | ,0
 | 0.69 | 0.00 | 0.00 |
| | 1070 | 30.46 0.00 | 30.46 | 33.05 0.00 | 0.00 | 33.05

 | 33.88 | 0.00
 | 0.00 33.8 | |
 | 0.00 | 34.45
 | | 0.00 | 0.00 34 | .74 34 | .86 0. | 0.00 | | 34.96 | 0.00 | | |
 | | 0.00 | 0.00 |
| | | 8.86 0.00 | 8.86 | 9.33 0.00 | 0.00 | 9.33

 | 9.70 | 0.00
 | 0.00 9.7 | |
 | 0.00 | 9.83
 | | 0.00 | 0.00 10 | 0.05 10 | .19 0. | 0.00 | .00 | | 0.00 | | |
 | | 0.00 | 0.00 |
| ',117 555,055 560,663 564,060 566,18 | 11% | 39.32 0.00 | 39.32 | 42.38 0.00 | 0.00 | 42.38

 | 43.58 | 0.00
 | 0.00 43.5 | 8 44.28 | 0.00
 | 0.00 | 44.28
 | 44.79 | 0.00 | 0.00 44 | .79 45 | .05 0. | 0.00 | 45.05 | 45.27 | 0.00 | 0.00 4 | 5.27 15 | % N/A
 | 48.00 | 0.00 | 0.00 |
| 1 | | 628 16,204 16,751 17,234 17,734 26% 595 6,672 6,672 6,672 6,738 2% 820 11,659 12,740 13,615 14,424 73% 285 53,285 53,285 53,285 0% 327 49,979 49,631 49,283 48,935 17% 901 38,435 39,650 40,797 41,824 24% 889 8,899 8,969 8,969 2% 818 392,121 394,107 395,413 396,020 10% 299 162,934 166,556 168,647 170,130 15% | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 595 6,672 6,672 6,738 2% 0.59 0.00 595 6,672 6,672 6,738 2% 0.59 0.00 820 11,659 12,740 13,615 14,424 73% 1.10 0.00 285 53,285 53,285 53,285 0% 2,62 0.00 327 49,979 49,631 49,283 48,935 17% 2,285 0.00 901 38,435 39,650 40,797 41,824 24% 2,18 0.00 889 8,889 8,969 8,969 8,969 -2% 0.65 0.00 299 162,934 166,556 168,647 170,130 15% 8.86 0.00 117 555,055 560,663 564,060 566,150 11% 39.32 0.00 | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 595 6,672 6,672 6,738 2% 0.59 0.00 0.59 585 6,672 6,672 6,738 2% 0.59 0.00 0.59 820 11,659 12,740 13,615 14,424 73% 1.10 0.00 1.10 285 53,285 53,285 53,285 0% 2,62 0.00 2,62 327 49,979 49,631 49,283 48,935 17% 2,85 0.00 2,28 901 38,435 39,650 40,797 41,824 24% 2,18 0.00 2,18 889 8,889 8,969 8,969 -2% 0.65 0.00 0.65 318 392,121 394,107 395,413 396,020 10% 30,46 0.00 30.46 299 162,934 166,556 168,647 170,130 < | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.05 595 6,672 6,672 6,672 6,738 2% 0.59 0.00 0.99 0.00 0.99 0.00 0.09 0.00 0.09 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.10 0.00 0.00 1.10 0.00 1.10 0.00 0.00 1.10 | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 0.00 595 6,672 6,672 6,738 2% 0.59 0.00 0.59 0.58 0.00 0.00 3820 11,659 12,740 13,615 14,424 73% 1.10 0.00 1.10 1.43 0.00 0.00 285 53,285 53,285 53,285 53,285 0% 2.62 0.00 2.62 3.04 0.00 0.00 237 49,979 49,631 49,283 48,895 17% 2.85 0.00 2.62 3.04 0.00 0.00 901 38,489 8,869 8,969 8,969 -2% 0.65 0.00 2.65 0.64 0.00 0.00 888 8,889 8,969 8,969 -2% 0.65 0.00 30.46 3.05 0.00 0.00 299 162,934 166,556 <th>628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 1.10 0.00 1.10 1.10 1.10 0.00 0.00 0.00 0.00 1.10</th> <th>628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 0.00 1.06 1.11 595 6,672 6,672 6,738 2% 0.59 0.00 0.59 0.00 0.09 0.00 0.00 0.00 0.00 0.58 0.59 820 11,659 12,740 13,615 14,424 73% 1.10 0.00 1.143 0.00 0.00 1.43 1.00 0.00 1.43 1.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.43 0.00 0.00 1.44 0.00 0.00 0.00 1.44 0.00 0.00 1.44 0.00 0.00 4.46 0.00 0.00 4.43 3.04 0.00</th> <th>628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 0.00 1.06 1.11 0.00 6 595 6,672 6,672 6,673 2% 0.59 0.00 0.59 0.58 0.00 0.00 0.58 0.59 0.00 0.09 0.00 0.58 0.59 0.00 0.00 1.143 0.00 0.00 1.43 1.64 0.00 1.06 1.14 1.442 7.3% 1.10 0.00 1.143 0.00 0.00 1.43 1.64 0.00 1.65 1.11 0.00
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0.00 0.00 | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 0.00 1.06 1.11 0.00 0.00 1.15 1.19 0.00 0.00 1.19 1.22 0.00 0.00 0.00 1.22 1.26 0.00 0.00 1.26 27% 71 595 6,672 6,672 6,672 6,673 2% 0.59 0.00 0.59 0.58 0.00 0.00 1.43 1.64 0.00 0.00 1.43 1.64 0.00 0.00 1.43 1.64 0.00 0.00 0.59 0.60 0.60 0.60 0.60 0.60 0.60 0.60 0.6 | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 0.00 1.06 1.11 0.00 0.00 0.00 | 628 16,204 16,751 17,234 17,734 26% 0.99 0.00 0.99 1.06 0.00 0.00 1.06 1.11 0.00 0.00 1.15 1.19 0.00 0.00 1.15 1.19 0.00 0.00 1.15 1.19 0.00 0.00 1.12 1.22 0.00 0.00 0.00 1.25 1.26 0.00 0.00 0.00 1.26 27% 71 1.34 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0 |

Table B-6b. S	nall Public Supply Population Served and Water Use for 2015	i, Small Public Supply Population Projections	s 2020-2045,	5-in-10 Year Water E	Demand Project	tions for 2020-2045 and	I 1-in-10 Year Wate	er Demand Pr	ojections for 2045 b	County and Utility	y, in Region 1 of	the St. Johns F	River Water Mar	nagement Distri	rict and the North	Florida Regio	onal Water Supply	Planning Regi	ion of the Suwannee	River Water Mana	agement Distr	ct.							
		Population		Population Project			Percent		Vater Use		, ,								nd Projections (5-in-								Percent		Demand Projections (1-in-10)
County	Utility	CUP Number Served				Buildou	t Change 2015-		2015		2020			2025			2030			2035			2040		,	2045	Change 201	15- Avg GPCD	2045
	B	2015 2020	2025	2030 203	35 2040	2045	2045	GW	SW Total	GW	SW Othe	r Total	GW	SW Ot	ther Total	GW	SW O	ther Tot		SW Other			SW Other	Total		Other	Total 2045		GW SW Other Total
Alachua -	Bristol Harbour Owners Association Famsworth Properties	216014 48 4 219158 21 5	48 48	3 48	48 4	18 48 4	18 0%	0.01	0.00 0.0	0.01	0.00	.00 0.01	0.01	0.00	0.00 0.0	0.01	0.00	0.00	0.01 0.01	0.00 0.0	00 0.01	0.01	0.00 0.00	0.01	0.01 0.0	00 0.00	0.01 0 0.00 N	/A 143	0.01 0.00 0.00 0.01
SRWMD	Lake Alto Estates Association, Inc.	220503 196 20	00 200	200	200 20	00 200 20	00 2%	0.01	0.00 0.0	1 0.01	0.00 0	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	00 0.01	0.01	0.00 0.00	0.00	0.01 0.0	00 0.00	0.01 0	% 49	0.01 0.00 0.00 0.01
	SRWMD Alachua Total	265 26	69 269	269	269 26	59 269 26	59 2%	0.02	0.00 0.0	0.02	0.00	.00 0.02	0.02	0.00	0.00 0.02	0.02	2 0.00	0.00	0.02 0.02	0.00 0.0	00 0.02	0.02	0.00 0.00	0.02	0.02 0.0	0.00	0.02	0% N/A	0.02 0.00 0.00 0.02
	Town of Brooker	216644 307 32	22 322	322	322 32	22 322 93	32 5%	0.04	0.00 0.0	0.04	0.00	.00 0.04	0.04	0.00	0.00 0.04	0.04	4 0.00	0.00	0.04 0.04	0.00 0.0	00 0.04	0.04	0.00 0.00	0.04	0.04 0.0	0.00	0.04 0	% 130	0.04 0.00 0.00 0.04
Bradford - SRWMD	Erasto Abreu City of Hampton	217909 15 220481 465 47	15 15 77 477	15	15 1:	15 15 1 77 482 1.03	15 0%	0.00	0.00 0.0	0.00	0.00	0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.0	0.00	0.00	0.00 0.00	0.00	0.00 0.0	00 0.00	0.00 N/	/A 267	0.00 0.00 0.00 0.00
SKWIND	SRWMD Bradford Total		14 814	814	814 81	14 819 1,98	35 4%	0.09	0.00 0.0	9 0.09	0.00 0	.00 0.09	0.09	0.00	0.00 0.00	0.09	0.00	0.00	0.09 0.09	0.00 0.0	00 0.09	0.09	0.00 0.00	0.09	0.09 0.0	0.00	0.09 0	1% N/A	0.05 0.00 0.00 0.05
	Penney Retirement Community Inc.	497 202 20				02 202 20	02 0%	0.05				.00 0.04			0.00 0.04				0.04 0.04	0.00 0.0			0.00 0.00				0.04 -20		0.04 0.00 0.00 0.04
Clay -	Penney Farms Water Utility Enterprise	509 495 49	97 613	674	806 80		46 63%	0.03	0.00	0.03	0.00	.00 0.03	0.04	0.00	0.00	0.04	4 0.00	0.00	0.04 0.05	0.00 0.0	0.05	0.05	0.00 0.00	0.05	0.05 0.0	0.00	0.05 67		0.05 0.00 0.00 0.05
SJRWMD	Green Cove Springs LP	527 1,000 1,00 1,697 1,69	00 1,000 99 1,815	1,000 1	2.008 2.00	00 1,000 1,00 08 2,008 8,44	00 0%	0.07	0.00 0.0	5 0.09	0.00	.00 0.09	0.09	0.00	0.00 0.09	9 0.09 7 0.17	0.00	0.00	0.09 0.09	0.00 0.0	00 0.09	0.09	0.00 0.00	0.09	0.09 0.0	00 0.00	0.09 29 0.18 20	% 86 N/Δ	0.10 0.00 0.00 0.10
	SJRWMD Clay Total Waters Park	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	99 1,815	1,876 2	52 5,008	08 2,008 8,44	18%		0.00 0.1 0.00 0.0	0.10	0.00 0	.00 0.16	0.17	0.00	0.00 0.17 0.00 0.01	7 0.17	7 0.00	0.00	0.17 0.18	0.00 0.0	00 0.18	0.18	0.00 0.00	0.18 0.01	0.18 0.0 0.01 0.0	00 0.00	0.18 20 0.01 0	% N/A % 154	0.19 0.00 0.00 0.19 0.01 0.00 0.00 0.01
	B & H Mobile Home Park	216402 52 5 216937 48	48 48	3 48	48 4	18 48 4	18 0%	0.01	0.00 0.0		0.00	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	00 0.01	0.01	0.00 0.00			0.00	0.01 0	% 146	0.01 0.00 0.00 0.01
	Timberlane Mobile Home Community	217171 136 13	36 136		136 13		36 0%	0.02	0.00 0.0		0.00 0	.00 0.02	0.02	0.00	0.00 0.0				0.02 0.02	0.00 0.0	00 0.02		0.00 0.00			00 0.00	0.02	% 147	0.02 0.00 0.00 0.02
	Town of Fort White	218347 490 50	06 506	506	506 55		38%	0.10	0.00 0.1		0.00 0	.00 0.08	0.08	0.00	0.00			0.00	0.08 0.08	0.00 0.0	0.00		0.00 0.00		0.11 0.0		0.11 10	% 161	0.12 0.00 0.00 0.12
	Gator Utilities	218579 60 6	60 60	60	60 6		60 0%	0.01	0.00		0.00	.00 0.01	0.01	0.00	0.00 0.0			0.00	0.01 0.01	0.00 0.0	0.01		0.00 0.00	0.01	0.01 0.0	0.00	0.01 0	% 87	0.01 0.00 0.00 0.01
	Melvin & Gale Sheppard	218667 12	12 12	12	12 1:	12 12 1	12 0%	0.00	0.00 0.0	0.00	0.00	.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.0	0.00		0.00 0.00		0.00 0.0	0.00	0.00 N	,, , , , , ,	0.00 0.00 0.00 0.00
	Azalea Park Subdivision	219114 250 25	50 250		250 25		50 0%	0.01	0.00 0.0		0.00 0	.00 0.01	0.01	0.00	0.00 0.0	0.01		0.00	0.01 0.01	0.00 0.0	0.01		0.00 0.00		0.01 0.0		0.01	% 59	0.01 0.00 0.00 0.01
1	Shady Oak Subdivision	219122 300 30	00 300		300 30		00 0%	0.01			0.00	.00 0.01		0.00	0.00 0.0				0.01 0.01	0.00 0.0	0.01		0.00				0.01 0	% 40	0.01 0.00 0.00 0.01
	Windham Mobile Home Park	219126 96 9	96 96	96	96 9	96 96 9	96 0%	0.01	0.00 0.0		0.00 0	.00 0.01		0.00	0.00 0.0			0.00	0.01 0.01	0.00 0.0	00 0.01		0.00 0.00				0.01 0	% 146	0.01 0.00 0.00 0.01
Columbia - SRWMD	Palm Villa	219141 22 2	22 22	22	22 2	22 22 2	22 0%	0.00	0.00 0.0	0.00	0.00 0	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	U.00	0.00	0.00 0.0	0.00	0.00	0.00 0.00	0.00	0.00 0.0	0.00	0.00 N/	/A 136	0.00 0.00 0.00 0.00
OKTIND	Consolidated Water Works/Shade Oaks Subdivision	219146 40 4	40 40	40	40 4	10 40 4	40 0%	0.01	0.00	0.01	0.00	.00 0.01	0.01	0.00	0.00	0.01	0.00	0.00	0.01 0.01	0.00 0.0	0.01	0.01	0.00	0.01	0.01 0.0	0.00	0.01	% 150	0.01 0.00 0.00 0.01
	McCracken Mobile Home Park	219152 66 6	66 66	66	66 6	66 66 6	66 0%	0.01	0.00 0.0	0.01	0.00	.00 0.01	0.01	0.00	0.00	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	00 0.01	0.01	0.00	0.01	0.01 0.0	00.00	0.01		0.01 0.00 0.00 0.01
	Paradise Village Mobile Home Park	219195 310 3	10 310	310	310 31	10 310 31	10 0%	0.00	0.00	0.00	0.00	.00 0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00 0.00	0.00	0.00 0.0	0.00	0.00 N	/A 13	0.00 0.00 0.00 0.00
	GLC Properties, LLC	219755 20 2	20 20	20	20 2	20 20 2	20 0%	0.01	0.00 0.0	0.01	0.00 0	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	0.01	0.01	0.00 0.00	0.01	0.01 0.0	0.00	0.01 0	% 300	0.01 0.00 0.00 0.01
	Cheryl Kellett Mobile Home Park	219757 30 3	30 30	30	30 3		30 0%	0.00				.00 0.00	0.00	0.00	0.00			0.00	0.00 0.00	0.00 0.0	0.00		0.00 0.00		0.00 0.0		0.00 N/		0.00 0.00 0.00 0.00
	Timmons Apartments	219905 16	16 16	, 10	16 1		16 0%	0.00				.00 0.00	0.00		0.00				0.00	0.00 0.0	0.00		0.00 0.00		0.00 0.0		0.00 N/		0.00 0.00 0.00 0.00
	W.R. Smithey Apartments	220164 16	16 16			16 16 1	16 0%	0.00	0.00 0.0	0.00	0.00 0	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00	0.00 0.0			0.00 0.00			0.00	0.00 N/		0.00 0.00 0.00 0.00
	Woodgate Village	220582 348 34	48 348		348 34	0.0	48 0%	0.04	0.00 0.0	0.05	0.00	.00 0.05	0.05	0.00	0.00 0.09	0.05	0.00	0.00	0.05 0.05	0.00 0.0	0.05		0.00 0.00	0.05		0.00	0.05 25	% 139	0.05 0.00 0.00 0.05
	Lance Water	220000 00 0	60 60	, 00	00 0	60 60 6 87 2.556 3.36	50 0%	0.00		0.00	0.00 0	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.0	0.00	0.00	0.00 0.00		0.00	0.00	0.00 N/A	80	0.00 0.00 0.00
Flagler -	SRWMD Columbia Total Holiday Travel Park Co-op Inc.	2,372 2,38 1979 380 36	80 380	380	2,388 2,43	37 2,556 3,36 99 807 80		0.25 0.01			0.00 0	.00 0.24		0.00	0.00 0.24	0.24 0.01		0.00	0.24 0.24	0.00 0.0	00 0.24 00 0.01		0.00 0.00			00 0.00	0.27 8 0.02 100	% N/A	0.23 0.00 0.00 0.23 0.02 0.00 0.00 0.02
SJRWMD	SJRWMD Flagler Total		80 380	380	380 39		07 112%	0.01			0.00 0	.00 0.01		0.00	0.00 0.0			0.00	0.01 0.01	0.00 0.0	00 0.01		0.00 0.00				0.02 100		0.02 0.00 0.00 0.02
	Shandy Grove Mobile Home Park	215891 60	60 60	60		60 60 6	30 0%	0.01	0.00 0.0			.00 0.01		0.00	0.00 0.0				0.01 0.01		00 0.01		0.00 0.00			0.00	0.01 0		0.01 0.00 0.00 0.01
Hamilton -	Tommy Cannady Residence / Mobile Homes	219148 21 2	21 21	21	21 2	21 21 2	21 0%	0.00	0.00		0.00	.00 0.00	0.00	0.00	0.00			0.00	0.00 0.00	0.00 0.0	0.00		0.00 0.00			0.00	0.00 N/		0.00 0.00 0.00 0.00
SRWMD	Hamilton County Development Authority	221284 350 35	00		350 35		50 0 %	0.05			0.00	.00 0.05		0.00	0.00 0.00			0.00	0.05 0.05	0.00 0.0			0.00 0.00		0.05 0.0		0.05	70 104	0.05 0.00 0.00 0.05
	SRWMD Hamilton Total Bobby Dollison	431 43	31 431		431 43	31 431 43	31 0%	0.06	0.00 0.0	0.06 0.01		.00 0.06			0.00 0.00		0.00	0.00	0.06 0.06 0.02 0.02	0.00 0.0			0.00 0.00		0.06 0.0	0.00	0.06 0 0.02 100	% N/A % 79	0.06 0.00 0.00 0.06 0.02 0.00 0.00 0.02
Nassau -	Callahan Country RV Resort	925 114 13	57 246 0 450	450	246 24 450 45	16 246 24 50 450 45	46 116% 50 N/A	0.01	0.00 0.0	0.01	0.00 0	.00 0.01			0.00 0.00	0.02	2 0.00 6 0.00		0.02 0.02 0.06 0.07	0.00 0.0	00 0.02 00 0.07	0.02	0.00 0.00			00 0.00	0.02 100 0.07 N/A	N/A	0.02 0.00 0.00 0.02 0.07 0.00 0.00 0.07
SJRWMD	SJRWMD Nassau Total	114 1	57 696	696	696 69	696 696	96 511%	0.01	0.00 0.0			.00 0.06			0.00 0.00	0.08	0.00	0.00		0.00 0.0	00 0.09		0.00 0.00				0.09 800		
	Florida Government Utility Authority	7982 219 2	19 219	219	219 21	19 219 21	19 0%	0.01	0.00 0.0	0.01	0.00	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	0.01	0.01	0.00 0.00	0.01	0.01 0.0	0.00	0.01 0	% 46	0.01 0.00 0.00 0.01
	Florida Government Utility Authority	7986 622 62	22 622	622	622 62	22 622 80 15 45 16	03 0%	0.03	0.00 0.0	0.03	0.00	.00 0.03	0.03	0.00	0.00 0.00	0.03	0.00	0.00	0.03 0.03	0.00 0.0	00 0.03	0.03	0.00 0.00	0.03	0.03 0.0	00.00	0.03 0 0.01 0	% 50	0.03 0.00 0.00 0.03
	Kirkwood Estates Lake Como Water Assoc	8072 450 45	45 45 53 453	3 453	45 45	53 453 72	22 1%	0.01	0.00 0.0	3 0.03	0.00 0	00 0.01	0.01	0.00	0.00 0.0	0.01	3 0.00	0.00	0.01 0.01	0.00 0.0	00 0.03	0.01	0.00 0.00	0.01	0.01 0.0	00 0.00	0.01 0	% 244 % 64	0.01 0.00 0.00 0.01
	Hiawatha Management Inc.	8124 138 13	39 140	140	141 14	13 145 15	56 5%	0.01	0.00 0.0	0.01	0.00	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	00 0.01	0.01	0.00 0.00	0.01	0.01 0.0	00.00	0.01	% 72	0.01 0.00 0.00 0.01
Putnam -	Florida Government Utility Authority St. Johns Harbor Water Association	8127 218 2	18 218	218	218 21	18 218 24	40 0%	0.01	0.00 0.0	0.01	0.00 0	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	00 0.01	0.01	0.00 0.00	0.01	0.01 0.0	0.00	0.01 0	% 49	0.01 0.00 0.00 0.01
SJRWMD	Aqua Utilities Florida, Inc. (formerly P-AUF1)	90227 365 36 N/A 203 20	05 206	369	208 20	99 369 94 19 210 1.07	14 1% 79 3%	0.01	0.00 0.0	0.02	0.00 0	.00 0.02	0.02	0.00	0.00 0.0	0.02	2 0.00	0.00	0.02 0.02	0.00 0.0	0.02	0.02	0.00 0.00	0.02	0.02 0.0	00 0.00	0.02 100	% 63 % 79	0.02 0.00 0.00 0.02
	Aqua Utilities Florida, Inc. (formerly P-AUF3)	N/A 465 46	68 470	472	475 47	78 481 1,23	37 3%	0.02	0.00 0.0	0.02	0.00	.00 0.02	0.02	0.00	0.00 0.02	0.02	2 0.00	0.00	0.02 0.02	0.00 0.0	00 0.02	0.02	0.00 0.00	0.02	0.02 0.0	0.00	0.02	% 49	0.02 0.00 0.00 0.02
	Aqua Utilities Florida, Inc. (formerly 7984 & 7988)	N/A 211 2	12 213	214	215 21	16 217 1,82	28 3%	0.04	0.00 0.0	0.04	0.00 0	.00 0.04	0.04	0.00	0.00 0.04	0.04	4 0.00	0.00	0.04 0.04	0.00 0.0	00 0.04	0.04	0.00 0.00	0.04	0.04 0.0	0.00	0.04 0	% 190	0.04 0.00 0.00 0.04
	River Villas Inc. (formerly 8129) SJRWMD Putnam Total	2,996 3.0°	10 3.015	3.019 3	3,025 3,03	32 3.039 7.44	00 0%	0.01	0.00 0.0	0.00	0.00	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.0	00 0.00	0.00	0.00 0.00	0.00	0.00 0.0	00 0.00	0.00 -100	% 83 N/A	0.00 0.00 0.00 0.00
-	Pinkham Pacetti	2,996 3,0°	45 345	3,019 3	345 34	52 3,039 7,44 15 345 34	+o 1% 45 0%	0.20	0.00 0.0	0.20	0.00	.00 0.20	0.20	0.00	0.00 0.20	0.20	1 0.00	0.00	0.20 0.20 0.01 0.01	0.00 0.0	00 0.20	0.20	0.00 0.00	0.20	0.20 0.0	00 0.00	0.20 0 0.01 0	% N/A % 29	0.01 0.00 0.00 0.01
St. Johns -	Comachee Cove Yacht Harbor	1381 378 46 1386 237 25	65 465	465	465 46	65 465 46	65 23%	0.02	0.00 0.0	0.03	0.00	.00 0.03	0.03	0.00	0.00 0.00	0.03	3 0.00	0.00	0.03 0.03	0.00 0.0	00 0.03	0.03	0.00 0.00	0.03	0.03 0.0	0.00	0.03 50	% 58	0.03 0.00 0.00 0.03
St. Johns - SJRWMD	Homeowners Utilities	1386 237 25 1423 369 33	50 295 75 375	295	295 29	95 295 29	95 24%	0.04	0.00 0.0	0.04	0.00	.00 0.04	0.05	0.00	0.00	0.05	5 0.00	0.00	0.05	0.00 0.0	0.05	0.05	0.00	0.05	0.05 0.0	0.00	0.05 25	% 176 % 117	0.05 0.00 0.00 0.05
	Fruit Cove Utilities SJRWMD St. Johns Total	1423 369 31 1,329 1,43	10		375 37: 1,480 1,48		75 2%	0.04	0.00 0.0	1 0.12	0.00 0	.00 0.04		0.00	0.00 0.04	0.04 0.13		0.00	0.04 0.04 0.13 0.13	0.00	00 0.04		0.00 0.00		0.04 0.0 0.13 0.0	00 0.00	0.04 0 0.13 18		0.04 0.00 0.00 0.04 0.13 0.00 0.00 0.13
	Wayne Friar Mobile Home Park	217345 320 33	20 320	320	320 32	0 320 32	20 0%	0.11	0.00 0.1	0.12	0.00	00 0.12	0.13	0.00	0.00 0.10	2 0.13	2 0.00	0.00	0.02 0.13	0.00	00 0.13	0.13	0.00	0.13	0.13 0.0	00 0.00	0.13 16	% 69	0.02 0.00 0.00 0.03
1	Oak Breeze Mobile Home Park	216536 21 3	21 21	21	21 2	21 21 2	21 0%	0.00	0.00 0.0	0.00	0.00	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.0	00 0.00	0.00	0.00 0.00	0.00	0.00 0.0	00 0.00	0.00 N	/A 143	0.00 0.00 0.00 0.00
Suwannee -	Bembry's Trailer Park Morgan's Trailer Park	219144 39 3 219174 57	39 39	39	39 3	39 39 3	39 0%	0.01	0.00 0.0	0.01	0.00	.00 0.01	0.01	0.00	0.00	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	0.01	0.01	0.00 0.00	0.01	0.01 0.0	0.00	0.01 0	% 154 % 158	0.01 0.00 0.00 0.01
SRWMD	Morgan's Trailer Park CR 136/I-75 Water Treatment Plant	234720 0	0 0	5/	0 5	0 0	0%	0.01	0.00 0.0	0.01	0.00	0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	0.01	0.01	0.00 0.00	0.01	0.01 0.0	0.00	0.01 0 0.04 N	76 15δ /Δ 0	0.01 0.00 0.00 0.01
	SRWMD Suwannee Total	437 43	37 437	437	437 43	37 437 43	37 0%	0.04	0.00 0.0	4 0.04	0.00 0	.00 0.04	0.04	0.00	0.00 0.00	0.08	B 0.00	0.00	0.08 0.08	0.00 0.0	00 0.08	0.04	0.00 0.00	0.04	0.08 0.0	00 0.00	0.08 100	1% N/A	0.08 0.00 0.00 0.08
	Carl Griffis TRS -052119	215835 12	12 12	12	12 1:	12 12 1	12 0%	0.00	0.00 0.0	0.00	0.00	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.0	00.00	0.00	0.00 0.00	0.00	0.00 0.0	0.00	0.00 N/	/A 167	0.00 0.00 0.00 0.00
Union -	Glenn S. Howard	218586 42 4	42 42	2 42	42 4.	12 42 4	12 0%	0.01	0.00 0.0	0.01	0.00	.00 0.01	0.01	0.00	0.00 0.0	0.01	1 0.00	0.00	0.01 0.01	0.00 0.0	0.01	0.01	0.00	0.01	0.01 0.0	00.00	0.01 0	% 190	0.01 0.00 0.00 0.01
SRWMD	S. M. Brown, Jr. Mobile Home Park Wallace Johns Mobile Home Park	221370 18	18 18	18	18 1	18 18 1	18 0%	0.00	0.00 0.0	0.00	0.00 0	.00 0.00	0.00	0.00	0.00 0.00	0.00	0.00	0.00	0.00 0.00	0.00 0.0	0.00	0.00	0.00 0.00	0.00	0.00 0.0	00.00	0.00 N/	/A 167 /A 143	0.00 0.00 0.00 0.00
	SRWMD Union Total	221567 21 2	93 93	2 02	93 0	21 21 2	13 0%	0.00	0.00 0.0	0.00	0.00	.00 0.00	0.00	0.00	0.00 0.00	0.00	1 0.00	0.00	0.00 0.00	0.00 0.0	00 0.00	0.00	0.00 0.00	0.00	0.00 0.0	00 0.00	0.00 N	/A 143 I% N/A	0.00 0.00 0.00 0.00
	SJRWMD Region 1 Total			7,451 7		15 8,030 18,87	79 23%	0.48			0.00 0	.00 0.55			0.00 0.5			0.00	0.59 0.61		00 0.61		0.00 0.00				0.62 29	1% N/A	0.65 0.00 0.00 0.65
	SRWMD NFRWSP Total	4,385 4,43	32 4,432	4,432 4	1,432 4,48	31 4,605 6,58	31 5%	0.47	0.00 0.4	7 0.46	0.00	.00 0.46			0.00 0.50		0.00	0.00		0.00 0.0	00 0.50	0.51	0.00 0.00	0.51	0.53 0.0	0.00	0.53 13	% N/A	0.45 0.00 0.00 0.45
	NFRWSP Total	10,901 11,1	13 11,818	11,883 12	2,021 12,09	96 12,635 25,46	16%	0.95	0.00 0.9	1.01	0.00	.00 1.01	1.09	0.00	0.00 1.09	1.09	0.00		1.09 1.11	0.00 0.0	00 1.11	1.12	0.00	1.12	1.15 0.0	0.00	1.15 21	% N/A	1.10 0.00 0.00 1.10
Notes:																													

Notes:

1.) All water use is shown in million gallons per day.

2.) Rounding errors account for nominal discrepancies.

3.) Projected population for years 2020 - 2045 are based on BEBR Population Projections: Volume 53, Bulletin 186, Published January 2020.

3.) Projected population for years 2020 - 2045 are based on BEBR Population Projections volume 53, Bulletin 186, Published January 2020.

3.) Projected population projections shown here are permanent population projections only and do not include any factors such as seasonal residents, tourist population or net commuter population.

5.) Per capita used to calculate demand projections is an average from 2014 - 2018 and is calculated as I calculated as Calculated as an additional 6 percent of 2045 average demand.

6.) 1-in-10 rainfall year demand for 2045 calculated as an additional 6 percent of 2045 average demand.

7.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-6c. 2014-2018 Water Use, Population Served, and Five-Year Gross Per Capita Averages for Public Supply Permitted Smaller than 0.10 mgd in Region 1 of the St. Johns River Water Management District.

March Marc	Cup	2014-2018 Water Use, Population Served, and	Five-Year Gross Per Capita Averages for Public Supply Pe	ermitted Smaller than 0.10 mgd in Re	egion 1 of the s	St. Johns Ri	ver Water M Water	anagement Water		me North F							jement District.
	•	Owner	Utility	Alternate Name / Comments	County						•	•		•			Notes
Part Part	216014	Bristol Harbour Owners Association	•		Alachua						48	48	48	48	48	208	
Second Content of the Accordance to Part 259905 No. No. 100			Farnsworth Properties								21	21	21	21	21		
1984-15 1984	220503	Lake Alto Estates Association Inc.	Lake Alto Estates Association Inc.	PWS 2010625	Alachua	0.009	0.010	0.009	0.010		192	196	200	200	200	49	
Property Control Annual Community Property Control Annual Community Property February Property February Property February Fe			SRWMD Alachua Total		-	0.022	0.023	0.022	0.023	0.023	261	265	269	269	269	85	
Property Control Annual Community Property Control Annual Community Property February Property February Property February Fe	216644	Town of Brooker	Town of Brooker	PWS 2040113	Bradford	0.041	0.038	0.045	0.040	0.039	305	307	311	311	322	130	
## APP Many Endurer of Community 1: Purry Pattern Control (Fault C	217909	Erasto Abreu	Erasto Abreu		Bradford	0.004	0.004	0.004			15	15	15	15			
April Company Compan	220481	City of Hampton	City of Hampton	PWS 2040456	Bradford	0.042	0.046			0.044	465	465	463	463	477	97	
1999 Part Part Vide Utility Cite state Part			SRWMD Bradford Total			0.087	0.088	0.110	0.077	0.087	785	787	789	789	814	113	
SARVAND CLEAP TOUR 1.00	497	Penney Retirement Community Inc.	Penney Retirement Community Inc.	Penney Retirement Community	Clay	0.043	0.046	0.036	0.035	0.027	202	202	202	202	202	185	
SARVAND CLEAP TOUR 1.00					Clay			0.029	0.031	0.027	495	495	495	497	497	60	
	527	Green Cove Springs LP	Green Cove Springs LP	St Johns Landing	Clay											86	
2,9907 5 at 11 Mode Home Park S at 11 Mode Home Park Country Countr			SJRWMD Clay Total								1,697	1,697	1,697	1,699	1,699	90	
27777 Information kende Home Community Immortance Makel Home Community Immortance Makel Home Park 1967 1978					_												
1975 Control For White					_												
Court Cour			,		_												
Printing August Columbia Co				PWS 2124399													4
1991 Agains Part Sundination					_												
2017 21 Starty Clear Subdivision Starty Clear Subdivision Countries Co					_												
2019-25 Windown Mobile Horne Park Columbia Colu					_												
Part Visit					_											.0	
Consolidated Water Works-Shady Class Subdivision					_												t e
219456 Subdivision Consolidated Vising Mode Consolidated Vising Mod			r din rind		Joidiffbla	0.003	0.003	0.000	3.003	0.000	22	22	22			130	
2015 ACCusions Mobile throme Park McCusiden Mobile throme Park McCusiden Mobile throme Park Coumbin Country Coun			Consolidated Water Works/Shady Oaks Subdivision		Columbia	0.006	0.006	0.006	0.006	0.006	40	40	40	40	40	150	.1
271976 Paradise Village Mulble Home Park Columbia Columbi			,								66	66	66	66	66		
21975 Cheryl Kellett Mobile Home Park Columbia 0.002 0.					_								310	310	310		
219905 Timmons Apartments Columbia C			U		Columbia									20		300	
220164 W.R. Smithey Agartments W.R. Smithey Agartments W.R. Smithey Agartments Columbia	219757	Cheryl Kellett Mobile Home Park	Cheryl Kellett Mobile Home Park		Columbia	0.004	0.004	0.004	0.004	0.004	30	30	30	30	30	133	
220569 Vincodate Visige Columbia Col			Timmons Apartments		Columbia	0.002				0.002	16	16	16	16	16	125	
22958 Jance Water		, ,			_												
SRWMD Columbia Total 1978 Floidily Travel Park Co-op Inc. Holday Travel Park Flager 0.010															348	139	1
1919 Holiday Travel Park Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Marco Co-op Inc. Holiday Travel Park Ma	220689	Lance Water			Columbia										60	80	
SJRWMD Flagler Total Sindy Grow Mobile Home Park Shady Grow Mobile Home Park Hamilton 0,010 0,010 0,010 0,010 0,000																	
21948 Tommy Cannady ResidenceMobile Home Park 21948 Tommy Cannady ResidenceMobile Home Park 121948 Tommy Cannady ResidenceMobile Homes 121948 Tommy Can	1979	Holiday Travel Park Co-op Inc.		Holiday Travel Park	Flagler												
219148 Tommy Cannady Residence/Mobile Homes Tommy Cannady Residence/Mobile Homes Hamilton 0.003 0.											380	380	380	380	380		
Part Part	215891	Shady Grove Mobile Home Park	Shady Grove Mobile Home Park		Hamilton	0.010	0.010	0.010	0.007	0.003	60	60	60	60	60	133	1
Part Part																	1
SRWMD Hamilton Total Subty Dollison Bobby Dollison																	
925 Bobby Dollison Bobby Dollison Solahar Country RV Resort American Beach Nassau 0.009 0.	221284	Hamilton County Development Authority	, , ,		Hamilton												
SARWIND Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nassau Total Sarwind Nasau Total Sarwind Nassau Total																	
SJRWMD Nassau Total SJRWMD Nassau Total SJRWMD Nassau Total River Grove Putnam 0.010 0.015 0.012 0.027 0.026 0.015 114 114 114 114 114 115 166				American Beach							114	114	114	114	116	79	
River Grove Putnam 0.010	945	Callahan Country RV Resort	,		Nassau						0	0	0	0	0	N/A	<u> </u>
Park Manor- Interlachen Lake Putnam 0.030 0.030 0.031 0.032 0.033 622 622 622 622 622 622 622 622 622 6																	
7986 Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. Estates Putnam 0.030 0.031 0.032 0.033 622 622 622 622 50 8071 Hilltop Farms Inc. Kirkwood Estates Putnam 0.009 0.009 0.010 0.014 0.013 45 45 45 45 244 8072 Lake Como Water Assoc. Lake Como Water Assoc. Village of Lake Como Putnam 0.027 0.030 0.030 0.030 450	7982	Aqua Utilities of Florida, Inc.	Aqua Utilities of Florida, Inc.	_	Putnam	0.010	0.010	0.010	0.010	0.010	219	219	219	219	219	46	
8071 Hilltop Farms Inc. Kirkwood Estates Putnam 0.009 0.009 0.010 0.014 0.013 45 45 45 45 244		A I latitation of Ethics I	A Hallada		D. 4			0.00:	0.000	0.00-		20-	22-	25-			1
8072 Lake Como Water Assoc. Lake Como Water Assoc. Uillage of Lake Como Putnam 0.027 0.030 0.030 0.030 0.030 450 450 450 450 453 64		,		Estates													
8124 Hiawatha Management Inc. Hiawatha Management Inc. Hiawatha Management Inc. Hiawatha Management Inc. Hiawatha Management Putnam 0.010 0.010 0.010 0.010 0.010 138 138 138 138 138 138 138 138 138 138				Villago of Lake Come											45		
8127 Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc.								0.030			400	450			453		
90227 St. Johns Harbor Water Association St. Johns Harbor Water Association St. Johns Harbor Water Association St. Johns Harbor Water Association Never issued - "No permit required." Putnam 0.022 0.022 0.023 0.027 365 365 365 367 369 63 Wootens MHP (PWSID 2541280), Beechers Point (2540070) do not have any record of CUPs. Two other PWSABs have expired CUPs # 64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, Putnam 0.016 0.016 0.016 0.016 203 203 203 203 203 79				Ŭ													
90227 St. Johns Harbor Water Association St. Johns Harbor Water Association never issued - "No permit required." Putnam 0.022 0.022 0.023 0.027 365 365 365 367 369 63 Wootens MHP (PWSID 2541280), Beechers Point (2540070) do not have any record of CUPs. Two other PWSABs have expired CUPs # 64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 0.016 0.016 203 203 203 203 203 79	0127	Aqua Otilities of Florida, Iric.	Aqua Otilities of Florida, Ilic.	Faiii Foit	rumam	0.010	0.011	0.003	0.012	0.011	210	210	210	210	210	43	
90227 St. Johns Harbor Water Association St. Johns Harbor Water Association never issued - "No permit required." Putnam 0.022 0.022 0.023 0.027 365 365 365 367 369 63 Wootens MHP (PWSID 2541280), Beechers Point (2540070) do not have any record of CUPs. Two other PWSABs have expired CUPs # 64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 0.016 0.016 203 203 203 203 203 79				CUP # 90227 was in house, but													1
Wootens MHP (PWSID 2541280), Beechers Point (2540070) do not have any record of CUPs. Two other PWSABs have expired CUPs # 64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, (Saratoga - PWSIDs 2541008, 2541242). Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 0.016 203 203 203 203 79	90227	St. Johns Harbor Water Association			Putnam	0.022	0.022	0.022	0.023	0.027	365	365	365	367	369	63	1
have any record of CUPs. Two other PWSABs have expired CUPs # 64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 203 203 203 203 203 79				Wootens MHP (PWSID 2541280),													
other PWSABs have expired CUPs # 64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 203 203 203 203 79																	1
#64974 (Silver Lake Oaks - PWSID 2544258) and 82918 (Saratoga - PWSIDs 2541008, Aqua Utilities of Florida, Inc. Aqua Utilities of Florida,				have any record of CUPs. Two													1
Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc.																	1
(Saratoga - PWSIDs 2541008, Aqua Utilities of Florida, Inc. Aqua Uti																	1
Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 0.016 203 203 203 203 203 207																	1
Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF1) 2541242). Putnam 0.016 0.016 0.016 0.016 0.016 203 203 203 203 203 79 Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF3) Pomona Park Putnam 0.023 0.023 0.023 0.023 465 465 465 465 465 49					1												1
Aqua Utilities of Florida, Inc. Aqua Utilities of Florida, Inc. (formerly P-AUF3) Pomona Park Putnam 0.023 0.023 0.023 0.023 465 465 465 465 465 49												203	203	203	203		
		Aqua Utilities of Florida, Inc.	Aqua Utilities of Florida, Inc. (formerly P-AUF3)	Pomona Park	Putnam	0.023	0.023	0.023	0.023	0.023	465	465	465	465	465	49	1

Table B-6c, Continued. 2014-2018 Water Use, Population Served, and Five-Year Gross Per Capita Averages for Public Supply Permitted Smaller than 0.10 mgd in Region 1 of the St. Johns River Water Management District.

Cup		lion Served, and Five-real Gloss Fel Capita Averages for Fub		I						Population						ator Managoment Biotrict
Number	Owner	Utility	Alternate Name / Comments	County	Use 2014	Use 2015	Use 2016	Use 2017	Use 2018	2014	2015	2016	2017	2018	Avg GPCD	Notes
		·													_	
			CUPs 7984 (Hermits Cove -													
			PWSID 2540482) and 7988 (St													
			Johns Highlands / Hermits Cove -													
			PWSID 2540482) expired in 1992													
			and were not renewed - "No permit													
			required." St Johns River Club													
			Utilities PWSID 2544266 does not													
	Aqua Utilities of Florida, Inc.	Aqua Utilities of Florida, Inc. (formerly 7984 & 7988)	have any record of a CUP.	Putnam	0.040	0.040	0.040	0.040	0.040	211	211	211	211	211	190	
			CUP 8129 was closed in 2003, no													
	Mr. W. Herrington	River Villas Inc.	permit required.	Putnam	0.005	0.005	0.005	0.005			60	60	60	60	83	
		SJRWMD Putnam Total			0.202	0.203	0.206	0.215	0.218	2,996		,	2,998	3,003	70	
	Pinkham Pacetti	Pinkham Pacetti	Pacetti's Marina & Campground	St. Johns	0.010	0.010	0.010	0.010								
	Comachee Cove Yacht Harbor	Comachee Cove Yacht Harbor		St. Johns	0.023	0.021	0.022	0.025						411	58	
	Homeowners Utilities	Homeowners Utilities	Porpoise Point	St. Johns	0.041	0.035	0.048	0.052	0.033	237	237	237	237	237	176	
	St. Johns County Board of County		owned by Fruit Cove Properties													
1423	Commissioners	Fruit Cove Utilities	Joint Venture.	St. Johns	0.042	0.044	0.043	0.043	0.043	369	369	369	369	369	117	
		SJRWMD St. Johns Total			0.116	0.110	0.123	0.130	0.110	1,329	1,329	,		1,362	87	
217345	Wayne Friar Mobile Home Park	Wayne Friar Mobile Home Park	PWS ID 2611239	Suwannee	0.026	0.020	0.015	0.013			320	320 21	320	320		
	Oak Breeze Mobile Home Park	Oak Breeze Mobile Home Park		Suwannee	0.003	0.003	0.003	0.003				21	21		143	
	Bembry's Trailer Park	Bembry's Trailer Park		Suwannee	0.006	0.006	0.006	0.006							154	
	Morgan's Trailer Park	Morgan's Trailer Park		Suwannee	0.009	0.009	0.009	0.009			57	57	57	57	158	
234720	CR 136/I-75 Water Treatment Plant	CR 136/I-75 Water Treatment Plant		Suwannee	0.000	0.000	0.000	0.000			0	0	0	0		Permit issued in 2019
		SRWMD Suwannee Total			0.044		0.033				437			437		
	Carl Griffis TRS -052118	Carl Griffis TRS -052119		Union	0.002	0.002	0.002				12			12	167	
	Glenn S. Howard	Glenn S. Howard		Union	0.008	0.008	0.008	0.008			42	-		42	190	
	S. M. Brown, Jr. Mobile Home Park	S. M. Brown, Jr. Mobile Home Park		Union	0.003	0.003	0.003	0.003			18				167	
221567	Wallace Johns Mobile Home Park	Wallace Johns Mobile Home Park		Union	0.003	0.003	0.003	0.003						21	143	
		SRWMD Union Total			0.016	0.016	0.016									
		SJRWMD Region 1 Total			0.502	0.482	0.521									
		SRWMD NFRWSP Total			0.479	0.492	0.499				,		4,391	4,432		
		NFRWSP Total			0.981	0.974	1.020	0.984	1.015	10,899	10,901	10,938	10,944	10,992	91	

- Notes:

 1.) All water use is shown in million gallons per day.

 2.) Rounding errors account for nominal discrepancies.

 3.) 2014 2018 water use data source is NFSEG master geodatabase with metered and estimated small public supply water use.

 4.) 2014 2018 population obtained from Technical Staff Reports, BEBR estimates of population, DEP MOR and Basic Facility Report Data, parcel data, and permittee surveys.

Table B-7. Agricultural Irrigation Self-supply Water Use, Miscellaneous Agricultural Water Use, and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, Acreage Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year

Water Mai	-9																																								
		W	later Use												D	emand Pr	ojections (5-	in-10)											Percent	Acreage			Acreage Pr	niactions			Percent	Dem	nand Projection	ons (1-in-10)	
County	District		2015			20	20			20	25			203	10			20	35			20	40			204	5		Change	Acreage			Acreage F1	Ojections			Change	ſ	2045	,	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	2015	2020	2025	2030	2035	2040	2045	2015-2045	Ground	Surface	Other 1	Total
Alachua	SJRWMD	2.99	0.00	2.99	3.13	0.00	0.00	3.13	3.18	0.00	0.00	3.18	3.27	0.00	0.00	3.27	3.39	0.00	0.00	3.3	3.52	0.00	0.00	3.52	3.56	0.00	0.00	3.56	19%	1,911	1,820	1,829	1,951	2,006	2,078	2,098	10%	5.44	0.00	0.00	5.44
Alachua	SRWMD	12.22	0.00	12.22	11.25	0.00	0.00	11.25	11.45	0.00	0.00	11.45	11.54	0.00	0.00	11.54	11.79	0.00	0.00	11.79	11.97	0.00	0.00	11.97	12.24	0.00	0.00	12.24	0%	9,777	10,239	10,405	10,470	10,601	10,721	10,909	12%	15.72	0.00	0.00	15.72
Alachua	Total	15.21	0.00	15.21	14.38	0.00	0.00	14.38	14.63	0.00	0.00	14.63	14.81	0.00	0.00	14.81	15.18	0.00	0.00	15.1	15.49	0.00	0.00	15.49	15.80	0.00	0.00	15.80	4%	11,688	12,059	12,234	12,421	12,607	12,799	13,007	11%	21.16	0.00	0.00	21.16
Baker	SJRWMD	0.36	0.20	0.56	0.28	0.15	0.00	0.43	0.28	0.16	0.00	0.44	0.29	0.16	0.00	0.45	0.29	0.16	0.00	0.4	0.30	0.17	0.00	0.47	0.30	0.17	0.00	0.47	-16%	208	208	208	208	208	208	208	0%	0.35	0.20	0.00	0.55
Baker	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0	0	0	0	0	0	0	N/A	0.00	0.00	0.00	0.00
Baker	Total	0.36	0.20	0.56	0.28	0.15	0.00	0.43	0.28	0.16	0.00	0.44	0.29	0.16	0.00	0.45	0.29	0.16	0.00	0.4	0.30	0.17	0.00	0.47	0.30	0.17	0.00	0.47	-16%	208	208	208	208	208	208	208	0%	0.35	0.20	0.00	0.55
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0	0	0	0	0	0	0	N/A	0.00	0.00	0.00	0.00
Bradford	SRWMD	1.82	0.00	1.82	1.89	0.00	0.00	1.89	1.87	0.00	0.00	1.87	1.85	0.00	0.00	1.85	1.88	0.00	0.00	1.8	1.87	0.00	0.00	1.87	1.86	0.00	0.00	1.86	2%	1,636	1,499	1,499	1,499	1,499	1,499	1,499	-8%	2.38	0.00	0.00	2.38
Bradford	Total	1.82	0.00	1.82	1.89	0.00	0.00	1.89	1.87	0.00	0.00	1.87	1.85	0.00	0.00	1.85	1.88	0.00	0.00	1.8	1.87	0.00	0.00	1.87	1.86	0.00	0.00	1.86	2%	1,636	1,499	1,499	1,499	1,499	1,499	1,499	-8%	2.38	0.00	0.00	2.38
Clay	SJRWMD	1.10	0.13	1.23	1.23	0.14	0.00	1.37	1.23	0.15	0.00	1.38	1.23	0.15	0.00	1.38	1.24	0.15	0.00	1.3	1.26	0.15	0.00	1.41	1.28	0.15	0.00	1.43	16%	727	714	714	714	714	714	714	-2%	1.54	0.18	0.00	1.72
Columbia	SRWMD	4.66	0.00	4.66	4.34	0.00	0.00	4.34	5.47	0.00	0.00	5.47	6.41	0.00	0.00	6.41	7.35	0.00	0.00	7.3	8.49	0.00	0.00	8.49	9.64	0.00	0.00	9.64	107%	3,882	4,290	5,129	5,973	6,782	7,590	8,421	117%	12.22	0.00	0.00	12.22
Duval	SJRWMD	0.10	1.66	1.76	0.46	1.14	0.00	1.60	0.46	1.15	0.00	1.61	0.46	1.16	0.00	1.62	0.46	1.15	0.00	1.6	0.46	1.16	0.00	1.62	0.46	1.15	0.00	1.61	-9%	1,287	1,288	1,288	1,288	1,288	1,288	1,288	0%	0.11	1.83	0.00	1.94
Flagler	SJRWMD	6.45	0.41	6.86	10.56	0.67	0.00	11.23	10.47	0.67	0.00	11.14	10.34	0.66	0.00	11.00	10.32	0.66	0.00	10.9	10.20	0.65	0.00	10.85	10.13	0.64	0.00	10.77	57%	9,504	9,408	9,212	9,061	8,948	8,761	8,644	-9%	14.24	0.90	0.00	15.14
Gilchrist	SRWMD	19.01	0.00	19.01	19.00	0.00	0.00	19.00	19.65	0.00	0.00	19.65	20.30	0.00	0.00	20.00	21.06	0.00	0.00	21.0	21.78	0.00	0.00	21.78	22.57	0.00	0.00	22.57	19%	15,560	19,934	20,378	20,823	21,271	21,734	22,191	43%	28.32	0.00	0.00	28.32
Hamilton	SRWMD	16.10	0.00	16.10	13.95	0.00	0.00	13.95	14.69	0.00	0.00	14.69	15.36	0.00	0.00	15.36	16.10	0.00	0.00	16.1	16.86	0.00	0.00	16.86	17.55	0.00	0.00	17.55	9%	13,692	13,996	14,483	14,959	15,448	15,951	16,429	20%	22.45	0.00	0.00	22.45
Nassau	SJRWMD	0.67	0.00	0.67	0.95	0.00	0.00	0.95	0.97	0.00	0.00	0.97	0.97	0.00	0.00	0.97	0.98	0.00	0.00	0.9	0.98	0.00	0.00	0.98	0.99	0.00	0.00	0.99	48%	825	821	821	821	821	821	821	0%	1.29	0.00	0.00	1.29
Putnam	SJRWMD	15.50	0.26	15.76	15.95	1.08	0.00	17.03	16.92	1.13	0.00	18.05	17.81	1.14	0.00	18.95	18.63	1.15	0.00	19.7	19.53	1.19	0.00	20.72	20.45	1.21	0.00	21.66	37%	11,149	10,801	11,394	11,990	12,584	13,183	13,788	24%	28.77	0.48	0.00	29.25
St. Johns	SJRWMD	18.18	0.00	18.18	25.37	0.39	0.00	25.76	24.96	0.39	0.00	25.35	24.51	0.36	0.00	24.87	24.08	0.38	0.00	24.4	23.55	0.37	0.00	23.92	23.05	0.36	0.00	23.41	29%	22,044	21,374	20,846	20,368	19,872	19,319	18,809	-15%	34.25	0.00	0.00	34.25
Suwannee	SRWMD	33.90	0.00	33.90	36.39	0.00	0.00	36.39	38.47	0.00	0.00	38.47	39.99	0.00	0.00	39.99	41.84	0.00	0.00	41.8	43.65	0.00	0.00	43.65	45.58	0.00	0.00	45.58	34%	28,002	36,677	37,960	39,213	40,473	41,728	43,025	54%	58.13	0.00	0.00	58.13
Union	SRWMD	1.22	0.00	1.22	1.32	0.00	0.00	1.32	1.53	0.00	0.00	1.53	1.68	0.00	0.00	1.68	1.77	0.00	0.00	1.7	1.94	0.00	0.00	1.94	2.06	0.00	0.00	2.06	69%	755	870	999	1,093	1,196	1,305	1,402	86%	2.68	0.00	0.00	2.68
SJRWMD		45.35	2.66	48.01	57.93	3.57	0.00	61.50	58.47	3.65	0.00	62.12	58.88	3.63	0.00	62.51	59.39	3.65	0.00	63.0	59.80	3.69	0.00	63.49	60.22	3.68	0.00	63.90	33%	47,655	46,434	46,312	46,401	46,441	46,372	46,370	-3%	85.99	3.59		89.58
SRWMD		88.93	0.00	88.93	88.14	0.00	0.00	88.14	93.13	0.00	0.00	93.13	97.13	0.00	0.00	97.13	101.79	0.00	0.00	101.7	106.56	0.00	0.00	106.56	111.50	0.00	0.00	111.50	25%	73,304	87,505	90,853	94,030	97,270	100,528	103,876	42%	141.90	0.00		141.90
NFR	WSP Total	134.28	2.66	136.94	146.07	3.57	0.00	149.64	151.60	3.65	0.00	155.25	156.01	3.63	0.00	159.64	161.18	3.65	0.00	164.83	166.36	3.69	0.00	170.05	171.72	3.68	0.00	175.40	28%	120,959	133,939	137,165	140,431	143,711	146,900	150,246	24%	227.89	3.59	0.00	231.48

Notes:

1.) All water use is shown in million gallons per day.
2.) Rounding errors account for nominal discrepancies.
3.) 2015 water use data source is NSSEG master geodatabase with metered and estimated agricultural water use.
4.) 2015 acreage source is FSAID IV published June 30, 2017 by The Balmoral Group for the Florida Department of Agriculture and Consumer Services.
5.) 2020 - 2045 acreage projections and 2020 - 2045 average and 1-in-10 water demand projections derived from FSAID VII, published June 30, 2020 from The Balmoral Group for the Florida Department of Agriculture and Consumer Services.
6.) 2020 - 2045 groundwater / surface water spill estimated using 2015 ratios.
7.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-7a. Agricultural Irrigation Self-supply Water Use (Including Miscellaneous Water Use) and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by Crop Category by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

		2015 Estimated		2020 Pro	-		ojected	2030 Pro	2035 Pr	,	2040 Pro		2045 Pr	•	Percent Ch	2045 (1-In-10)		
County	Crop Category	Agricu		Agricul			ulture	Agricul		Agricu		Agricu		Agric		20		Demand
	Citrus	Acres 20	MGD 0.00	Acres	MGD 0.00	Acres	MGD 0.00	Acres	MGD 0.00	Acres	MGD 0.00	Acres	MGD 0.00	Acres	MGD 0.00	Acreage N/A	MGD N/A	0.00
	Fruit (Non-citrus)	1,116	2.17	1,118	2.27	1,118		1,118	2.32	1,127	2.38	1,127	2.39	1,127	2.39		10%	
	Potatoes	1,110	0.00	1,110	0.00	0	1	1,118	0.00	1,127	0.00	0	0.00	1,127	0.00		N/A	
	Vegetables (Fresh Market)	109	0.11	90	0.00	99		99	0.00	137	0.00	182	0.00	202			136%	
	Field Crops	246	0.11	247	0.11	247		369	0.12	377	0.17	377	0.23	377			109%	0.34
Alachua - SJRWMD	Greenhouse/Nursery	59	0.11	54	0.11	54		54	0.21	54	0.22	81	0.23	81			64%	
Alaciida - Sikwivid	Hay	361	0.28	311	0.13	311		311	0.13	311	0.16	311	0.25	311	0.25		-11%	
	Sod	0	0.00	0	0.00	0	1	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Sugarcane	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	0.19	0	0.20	0		0	0.20	0	0.20	0	0.20	0	0.20		5%	
	Total	1,911	2.99	1,820	3.13	1,829		1,951	3.27	2,006	3.39	2,078	3.52	2,098			19%	
	Citrus	0	0.00	0	0.00	0	-	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Fruit (Non-citrus)	592	1.43	592	1.32	592		592	1.32	592	1.35	592	1.35	608			-3%	
	Potatoes	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Vegetables (Fresh Market)	424	0.58	459	0.53	509		525	0.63	609	0.75	655	0.81	716			55%	
	Field Crops	5,200	4.57	5,560	4.21	5,605		5,633	4.34	5,671	4.44	5,722	4.55	5,818			2%	
Alachua - SRWMD	Greenhouse/Nursery	895	2.18	831	2.01	831		831	2.02	840	2.05	840	2.07	855	2.11		-3%	
	Hay	2,666	2.69	2,797	2.48	2,868		2,889	2.53	2,889	2.50	2,912	2.49	2,912	2.47		-8%	
	Sod	0	0.00	, -	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	0.76	0	0.70	0		0	0.70	0	0.70	0	0.70	0	0.70		-8%	
	Total	9,777	12.22	10,239	11.25	10,405	11.45	10,470	11.54	10,601	11.79	10,721	11.97	10,909	12.24	12%	0%	15.72
	Citrus	20	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	-100%	N/A	0.00
	Fruit (Non-citrus)	1,708	3.60	1,710	3.59	1,710	3.64	1,710	3.64	1,719	3.73	1,719	3.74	1,735	3.77	2%	5%	
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Vegetables (Fresh Market)	533	0.69	549	0.64	608	0.72	624	0.75	746	0.92	837	1.04	918	1.16	72%	68%	1.51
	Field Crops	5,446	4.68	5,807	4.32	5,852	4.40	6,002	4.55	6,048	4.66	6,099	4.78	6,195	4.91	14%	5%	
Alachua - Total	Greenhouse/Nursery	954	2.32	885	2.16	885	2.17	885	2.17	894	2.21	921	2.29	936	2.34	-2%	1%	
	Нау	3,027	2.97	3,108	2.77	3,179	2.80	3,200	2.80	3,200	2.76	3,223	2.74	3,223			-8%	
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	0.95	0	0.90	0	0.50	0	0.90	0	0.90	0	0.90	0	0.90		-5%	
	Total	11,688	15.21	12,059	14.38	12,234		12,421	14.81	12,607	15.18	12,799	15.49	13,007			4%	
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Fruit (Non-citrus)	5	0.01	5	0.01	5		5	0.01	5	0.01	5	0.01	5	0.01		0%	
	Potatoes	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Vegetables (Fresh Market)	45	0.04	45	0.05	45		45	0.06	45		45	0.06	45			50%	
Dallar CIDWAD	Field Crops	14	0.02	14	0.02	14		14	0.02	14	0.02	14	0.02	14		1	0%	
Baker - SJRWMD	Greenhouse/Nursery	134	0.20	134	0.24	134		134	0.25	134		134	0.26				30%	
	Hay Sod	10	0.01 0.00	10	0.01 0.00	10		10	0.01 0.00	10	0.01 0.00	10	0.02	10	0.02		100% N/A	
	Sugarcane	0	0.00	U	0.00	0		U	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	0.08	0	0.00	0		0	0.00	0	0.00	0	0.10	0	0.00		25%	
	Total	208	0.36	208	0.43	208		208	0.45	208		208	0.47					
	Citrus	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	-
	Fruit (Non-citrus)	0	0.00	0	0.00	0		0	0.00	n	0.00	0	0.00	0	0.00		N/A	
	Potatoes	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Vegetables (Fresh Market)	0	0.00	0	0.00	0		0	0.00	n	0.00	0	0.00	0	0.00		N/A	
	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	0.00
Baker - SRWMD	Greenhouse/Nursery	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Hay	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Sod	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Sugarcane	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	0.00	0	0.00	0		0	0.00	0	0.00	0	0.00	0	0.00		N/A	0.00
	Total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00

Table B-7a, Continued. Agricultural Irrigation Self-supply Water Use (Including Miscellaneous Water Use) and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by Crop Category by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	Crop Category	2015 Est Agricu		2020 Pr Agric	-	2025 Proj Agricul		2030 Pro Agricul	-	2035 Pr Agric	-	2040 Pro Agricul	-	2045 Pı Agric	ojected ulture	Percent Cha 204	•	2045 (1-in-10 Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Fruit (Non-citrus)	5	0.01	5	0.01	5	0.01	5	0.01	5	0.01	5	0.01	5	0.01	0%	0%	
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Vegetables (Fresh Market)	45	0.04	45		45	0.05	45	0.06	45		45	0.06	45		0%	50%	
	Field Crops	14	0.02	14		14	0.02	14	0.02	14		14	0.02	14		0%	0%	
Baker - Total	Greenhouse/Nursery	134	0.20	134		134	0.25	134	0.25	134		134	0.26	134		0%	30%	
	Hay	10	0.01	10		10	0.01	10	0.01	10		10	0.02	10		0%	100%	
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Sugarcane Miscellaneous	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Total	208	0.08 0.36	208		0 208	0.10 0.44	208	0.10 0.45	0 208			0.10 0.47	208	0.10 0.47	N/A 0%	25% 31 %	
		0		0		0		0						208				
	Citrus	0	0.00	0	0.00 0.00	0	0.00	0	0.00	0			0.00	0	0.00	N/A N/A	N/A N/A	
	Fruit (Non-citrus)	0	0.00	0		0	0.00	0	0.00		0.00	-	0.00	0	0.00			_
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Vegetables (Fresh Market)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
Dundford Consenses	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
Bradford- SJRWMD	Greenhouse/Nursery	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Hay	0	0.00	0	0.00	0	0.00	0	0.00	0		0	0.00	0	0.00	N/A	N/A	
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Miscellaneous	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00	N/A	N/A	
	Total	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00		N/A	
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00	N/A	N/A	
	Fruit (Non-citrus)	26	0.04	20		20	0.04	20	0.04	20	0.05	20	0.05	20		-23%	25%	_
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Vegetables (Fresh Market)	306	0.39	306	0.41	306	0.41	306	0.42	306	0.42	306	0.42	306	0.43	0%	10%	6.5
	Field Crops	245	0.14	200	0.15	200	0.15	200	0.15	200	0.16	200	0.16	200	0.16	-18%	14%	6 0.2
Bradford - SRWMD	Greenhouse/Nursery	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00	0%	N/A	0.0
	Hay	1,057	0.96	971	1.00	971	0.98	971	0.95	971	0.96	971	0.95	971	0.93	-8%	-3%	6 1.2
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	0.28	0	0.29	0	0.29	0	0.29	0	0.29	0	0.29	0	0.29	N/A	4%	6 0.2
	Total	1,636	1.82	1,499	1.89	1,499	1.87	1,499	1.85	1,499	1.88	1,499	1.87	1,499	1.86	-8%	2%	6 2.3
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0			0.00	0	0.00	N/A	N/A	
	Fruit (Non-citrus)	26	0.04	20		20	0.04	20	0.04	20	0.05	20	0.05	20		-23%	25%	
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00	N/A	N/A	_
	Vegetables (Fresh Market)	306	0.39	306		306	0.41	306	0.42	306			0.42	306			10%	
	Field Crops	245	0.14	200		200	0.15	200	0.15	200			0.16	200			14%	
Bradford - Total	Greenhouse/Nursery	2	0.00	2	0.00	2	0.00	2	0.00	2	0.00		0.00	200	0.00		N/A	
5.00.010 10001	Hay	1,057	0.96	971		971	0.98	971	0.95	971			0.95	971			-3%	
	Sod	1,037	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00		0.93		N/A	
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0			0.00	0 	0.00		N/A	
	Miscellaneous	0	0.28	0	0.29	0	0.29	0	0.29	0			0.29	<u>0</u>	0.29		4%	
	Total	1,636	1.82	1,499		1,499	1.87	1,499	1.85	1,499			1.87	1,499			2%	_
		1,636		1,499		1,499		1,499					-	1,439			N/A	
	Citrus	0	0.00	0	0.00 0.00	0	0.00	0	0.00	0			0.00 0.00	0	0.00		N/A	
	Fruit (Non-citrus)	0				0								0				
	Potatoes Vegetables (Fresh Market)	0	0.00	0	0.00 0.00	0	0.00	0	0.00	0			0.00	0	0.00		N/A	
	Vegetables (Fresh Market)	0	0.00	0			0.00			0	0.00		0.00	0	0.00		N/A	
a l	Field Crops	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00		N/A	
Clay - SJRWMD	Greenhouse/Nursery	450	0.97	437		437	1.10	437	1.10	437			1.14	437			20%	_
	Hay	277	0.21	277		277	0.22	277	0.22	277			0.21	277			0%	
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00		N/A	_
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0			0.00	0	0.00		N/A	
	Miscellaneous	0	0.05	0		0	0.06	0	0.06	0			0.06	0	0.06		20%	
	Total	727	1.23	714	1.37	714	1.38	714	1.38	714	1.39	714	1.41	714	1.43	-2%	16%	6 1.7

Table B-7a, Continued. Agricultural Irrigation Self-supply Water Use (Including Miscellaneous Water Use) and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by Crop Category by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	Crop Category	2015 Esti Agricu	mated	2020 Pro Agricu	ojected	2025 Pro Agricu	jected	2030 Pro Agricu	,	2035 Pro Agricu	-	2040 Pro Agricu	-		rojected culture	Percent Cha 204	-	2045 (1-in-10
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	Demand
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	15	0.29	141	0.27	221	0.41	307	0.56	427	0.78	536	0.97	611		3973%	283%	1.5
	Potatoes	0	0.03	26	0.03	40	0.05	82	0.09	109	0.12	117	0.13	117		N/A	333%	0.1
	Vegetables (Fresh Market)	87	0.26	196	0.24	482	0.60	874	1.10	1,125	1.42	1,469	1.85	1,758		1921%	754%	2.9
	Field Crops	3,196	2.59	3,232	2.41	3,447	2.59	3,617	2.74	4,000	3.06	4,175	3.22	4,372		37%	31%	4.3
Columbia - SRWMD	Greenhouse/Nursery	201	0.61	232	0.57	415	0.97	415	0.97	437	1.02	591	1.36	771			189%	1.9
	Hay	383	0.50	463	0.47	524	0.50	678	0.60	684	0.60	702	0.61	792		107%	34%	0.9
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Miscellaneous	0	0.38	0	0.35	0	0.35	0	0.35	0	0.35	0	0.35	0	0.35	N/A	-8%	0.3
	Total	3,882	4.66	4,290	4.34	5,129	5.47	5,973	6.41	6,782	7.35	7,590	8.49	8,421	9.64	117%	107%	12.2
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	1	0.00	0%	N/A	0.0
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Vegetables (Fresh Market)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Field Crops	146	0.10	146	0.09	146	0.09	146	0.10	146	0.10	146	0.10	146	0.10	0%	0%	0.1
Duval - SJRWMD	Greenhouse/Nursery	304	0.80	304	0.73	304	0.73	304	0.74	304	0.74	304	0.75	304		0%	-6%	0.8
	Hay	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Sod	836	0.63	837	0.57	837	0.58	837	0.57	837	0.56	837	0.56	837	0.55	0%	-13%	0.7
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	0.23	0	0.21	0	0.21	0	0.21	0	0.21	0	0.21	0	0.21	N/A	-9%	0.2
	Total	1,287	1.76	1,288	1.60	1,288	1.61	1,288	1.62	1,288	1.61	1,288	1.62	1,288	1.61	0%	-9%	1.9
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	23	0.02	23	0.04	23	0.05	23	0.05	23	0.05	7	0.02	7	0.02	-70%	0%	0.0
	Potatoes	3,492	2.82	3,816	4.61	3,816	4.64	3,665	4.50	3,552	4.39	3,552	4.42	3,490	4.37	0%	55%	6.6
	Vegetables (Fresh Market)	2,030	1.62	2,030	2.66	2,030	2.70	2,030	2.74	2,030	2.77	2,030	2.81	2,013	2.81	-1%	73%	3.7
	Field Crops	283	0.15	284	0.25	284	0.26	284	0.26	284	0.26	284	0.26	284	0.27	0%	80%	0.3
Flagler - SJRWMD	Greenhouse/Nursery	515	0.70	499	1.15	499	1.16	499	1.16	499	1.17	484	1.14	484		-6%	64%	1.3
	Hay	834	0.38	636	0.62	636	0.61	636	0.59	636	0.62	578	0.56	540	0.49	-35%	29%	0.8
	Sod	2,327	1.12	2,120	1.83	1,924	1.65	1,924	1.63	1,924	1.65	1,826	1.57	1,826	1.59	-22%	42%	2.0
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	0.04	0	0.07	0	0.07	0	0.07	0	0.07	0	0.07	0	0.07	N/A	75%	0.0
	Total	9,504	6.86	9,408	11.23	9,212	11.14	9,061	11.00	8,948	10.98	8,761	10.85	8,644	10.77	-9%	57%	15.1
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	59	0.07	39	0.07	102	0.18	176	0.32	196	0.35	228	0.41	228	0.41	286%	486%	0.5
	Potatoes	0	0.00	0	0.00	8	0.01	8	0.01	8	0.01	47	0.05	125	0.14	N/A	N/A	0.2
	Vegetables (Fresh Market)	1,459	2.55	1,906	2.55	2,018	2.72	2,200	2.99	2,390	3.27	2,425	3.34	2,497	3.46	71%	36%	4.5
	Field Crops	11,811	12.00	15,828	11.99	15,962	12.19	16,088	12.38	16,214	12.65	16,443	12.98	16,604	13.25	41%	10%	16.8
Gilchrist - SRWMD	Greenhouse/Nursery	174	0.42	174	0.42	225	0.53	225	0.53	306	0.71	409	0.94	555		219%	200%	1.4
	Нау	2,057	1.84	1,987	1.84	2,063	1.89	2,126	1.94	2,157	1.94	2,182	1.93	2,182	1.92	6%	4%	2.6
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	2.13	0	2.13	0	2.13	0	2.13	0	2.13	0	2.13	0	2.13	N/A	0%	
	Total	15,560	19.01	19,934	19.00	20,378	19.65	20,823	20.30	21,271	21.06	21,734	21.78	22,191	. 22.57	43%	19%	28.3

Table B-7a, Continued. Agricultural Irrigation Self-supply Water Use (Including Miscellaneous Water Use) and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by Crop Category by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	Crop Category	2015 Esti Agricu		2020 Pro Agricu	•	2025 Pro Agricu	•	2030 Pro Agricul	•	2035 Pr Agrici	•	2040 Pro Agricul	,	2045 Pr Agric	ojected ulture	Percent Cha 2045	•	2045 (1-in-10) Demand
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	Demand
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	0	0.07	32	0.06	90	0.16	143	0.26	167	0.30	234	0.42	261	0.47	N/A	571%	0.66
	Potatoes	241	0.36	276	0.31	276	0.31	276	0.31	317	0.36	317	0.36	317	0.37	32%	3%	0.53
	Vegetables (Fresh Market)	3,734	5.47	3,667	4.74	3,883	5.07	4,072	5.35	4,192	5.55	4,331	5.78	4,516	6.05	21%	11%	7.93
	Field Crops	8,610	7.88	8,931	6.83	9,020	6.97	9,153	7.16	9,376	7.46	9,580	7.75	9,816	8.05	14%	2%	
Hamilton - SRWMD	Greenhouse/Nursery	440	1.26	440	1.09	498	1.22	537	1.30	600	1.44	642	1.54	672	1.61	53%	28%	1.82
	Нау	667	0.82	650	0.71	716	0.75	778	0.77	796	0.78	847	0.80	847	0.79	27%	-4%	1.08
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Miscellaneous	0	0.24	0	0.21	0	0.21	0	0.21	0	0.21	0	0.21	0	0.21	N/A	-13%	0.21
	Total	13,692	16.10	13,996	13.95	14,483	14.69	14,959	15.36	15,448	16.10	15,951	16.86	16,429			9%	
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	
	Fruit (Non-citrus)	33	0.04	33	0.05	33	0.06	33	0.06	33	0.06	33	0.06	33		0%	50%	0.09
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Vegetables (Fresh Market)	18	0.01	18	0.02	18	0.02	18	0.02	18	0.02	18	0.02	18		0%	100%	0.03
	Field Crops	681	0.33	681	0.47	681	0.47	681	0.47	681	0.47	681	0.47	681	0.47	0%	42%	0.70
Nassau - SJRWMD	Greenhouse/Nursery	93	0.16	89	0.22	89	0.23	89	0.23	89	0.24	89	0.24	89	0.25	-4%	56%	0.28
	Нау	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sod	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Miscellaneous	0	0.13	0	0.19	0	0.19	0	0.19	0	0.19	0	0.19	0	0.19	N/A	46%	0.19
	Total	825	0.67	821	0.95	821	0.97	821	0.97	821	0.98	821	0.98	821		0%	48%	1.29
	Citrus	233	0.12	199	0.13	199	0.14	199	0.14	199	0.14	199	0.15	199	0.14	-15%	17%	0.23
	Fruit (Non-citrus)	619	1.05	611	1.13	663	1.24	877	1.64	939	1.77	1,015	1.92	1,015	1.94	64%	85%	2.79
	Potatoes	4,672	5.64	4,675	6.09	4,681	6.19	4,681	6.26	4,695	6.31	4,702	6.39	4,752	6.52	2%	16%	9.97
	Vegetables (Fresh Market)	1,365	1.80	1,546	1.95	1,797	2.29	1,959	2.53	2,117	2.76	2,298	3.02	2,487	3.29	82%	83%	4.41
	Field Crops	322	0.23	343	0.25	424	0.32	550	0.41	841	0.64	1,106	0.85	1,337	1.03	315%	348%	1.53
Putnam - SJRWMD	Greenhouse/Nursery	2,623	5.65	2,508	6.10	2,624	6.43	2,624	6.43	2,665	6.60	2,735	6.83	2,860	7.19	9%	27%	8.20
	Нау	1,108	0.51	563	0.55	650	0.61	744	0.71	772	0.73	772	0.72	782	0.71	-29%	39%	1.17
	Sod	207	0.31	356	0.33	356	0.33	356	0.33	356	0.33	356	0.34	356	0.34	72%	10%	0.45
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Miscellaneous	0	0.46	0	0.50	0	0.50	0	0.50	0	0.50	0	0.50	0	0.50	N/A	9%	0.50
	Total	11,149	15.76	10,801	17.03	11,394	18.05	11,990	18.95	12,584	19.78	13,183	20.72	13,788	21.66	24%	37%	
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Fruit (Non-citrus)	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.00
	Potatoes	12,772	10.92	12,620	15.47	12,399	15.32	11,932	14.83	11,527	14.45		14.14	11,019	13.95		28%	
	Vegetables (Fresh Market)	4,777	4.39	4,721	6.22	4,641	6.18	4,630	6.23	4,564	6.19		6.07	4,284	5.91		35%	7.92
	Field Crops	2,210	1.28	2,071	1.81	2,071	1.83	2,071	1.81	2,071	1.87	1,953	1.74	1,819			26%	2.39
St. Johns - SJRWMD	Greenhouse/Nursery	292	0.36	195	0.51	158	0.44	158	0.44	133	0.38		0.38	133			3%	
	Нау	549	0.30	405	0.43	405	0.44	405	0.43	405	0.43	405	0.44	382		 	37%	0.67
	Sod	1,444	0.89	1,362	1.26	1,172	1.08	1,172	1.07	1,172	1.08		1.09	1,172			24%	1.44
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	0.04	0	0.06	0	0.06	0	0.06	0		0	0.06	0	0.06		50%	0.06
	Total	22,044	18.18	21,374	25.76	20,846	25.35	20,368	24.87	19,872	24.46	19,319	23.92	18,809	23.41	-15%	29%	34.25

Table B-7a, Continued. Agricultural Irrigation Self-supply Water Use (Including Miscellaneous Water Use) and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by Crop Category by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	Crop Category	2015 Esti	mated	2020 Pro Agricu	ojected	2025 Proj Agricul	jected	2030 Pro Agricu	-	2035 Pr Agric	-	2040 Pro Agricu	,		rojected ulture	Percent Cha 204		2045 (1-In-10
•		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	Demand
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	110	0.59	311	0.63	475	0.93	579	1.10	652	1.23	721	1.36	923			192%	
	Potatoes	1,294	1.65	1,617	1.77	1,617	1.77	1,631	1.80	1,681	1.86	1,705	1.89	1,705			15%	
	Vegetables (Fresh Market)	4,317	6.01	5,080	6.45	5,609	7.18	6,061	7.82	6,622	8.60	7,102	9.27	7,540			64%	
	Field Crops	17,067	16.04	22,944	17.22	23,201	17.56	23,504	17.93	23,862	18.46	24,313	19.04	24,684	19.52	45%	22%	
Suwannee - SRWMD	Greenhouse/Nursery	780	2.24	946	2.40	1,235	3.05	1,235	3.05	1,398	3.41	1,568	3.80	1,793	4.31	130%	92%	
	Hay	4,366	5.11	5,693	5.49	5,737	5.55	6,117	5.87	6,172	5.85	6,233	5.86	6,294			14%	
	Sod	68	0.06	86	0.06	86	0.06	86	0.05	86	0.06	86	0.06	86			0%	
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		N/A	
	Miscellaneous	0	2.21	0	2.37	0	2.37	0	2.37	0	2.37	0	2.37	0	2.37	N/A	7%	2.3
	Total	28,002	33.90	36,677	36.39	37,960	38.47	39,213	39.99	40,473	41.84	41,728	43.65	43,025	45.58	54%	34%	58.1
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	203	0.35	222	0.38	263	0.46	263	0.46	263	0.46	300	0.53	300	0.53	48%	51%	0.7
	Potatoes	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Vegetables (Fresh Market)	343	0.57	456	0.62	502	0.68	589	0.80	615	0.84	644	0.88	706	0.96	106%	68%	
	Field Crops	46	0.00	6	0.00	33	0.03	33	0.03	97	0.07	109	0.08	137		198%	N/A	
Union - SRWMD	Greenhouse/Nursery	25	0.03	25	0.03	40	0.07	40	0.07	47		47	0.08	54		116%	233%	
	Hay	97	0.12	161	0.13	161	0.13	168	0.16	174	0.16	205	0.21	205	0.21	111%	75%	0.2
	Sod	41	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	-100%	N/A	0.0
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	0.15	0	0.16	0	0.16	0	0.16	0	0.16	0	0.16	0	0.16	N/A	7%	0.1
	Total	755	1.22	870	1.32	999	1.53	1,093	1.68	1,196	1.77	1,305	1.94	1,402	2.06	86%	69%	2.6
	Citrus	253	0.12	199	0.13	199	0.14	199	0.14	199	0.14	199	0.15	199	0.14	-21%	17%	0.2
	Fruit (Non-citrus)	1,797	3.29	1,791	3.50	1,843	3.67	2,057	4.08	2,128	4.27	2,188	4.40	2,188	4.42	22%	34%	6.3
	Potatoes	20,936	19.38	21,111	26.17	20,896	26.15	20,278	25.59	19,774	25.15	19,478	24.95	19,261	24.84	-8%	28%	37.9
	Vegetables (Fresh Market)	8,344	7.97	8,450	11.01	8,630	11.36	8,781	11.70	8,911	11.97	9,005	12.21	9,049	12.35	8%	55%	16.5
	Field Crops	3,902	2.22	3,786	3.00	3,867	3.11	4,115	3.28	4,414	3.58	4,561	3.67	4,658	3.73	19%	68%	5.5
SJRWMD Region 1 Total	Greenhouse/Nursery	4,470	8.98	4,220	10.18	4,299	10.49	4,299	10.50	4,315	10.66	4,397	10.96	4,522	11.36		27%	
	Hay	3,139	1.69	2,202	2.13	2,289	2.17	2,383	2.23	2,411	2.26	2,353	2.20	2,302	2.09	-27%	24%	3.4
	Sod	4,814	2.95	4,675	3.99	4,289	3.64	4,289	3.60	4,289	3.62	4,191	3.56	4,191	3.58	-13%	21%	5.1
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	1.22	0	1.39	0	1.39	0	1.39	0	1.39	0	1.39	0	1.39	N/A	14%	1.3
	Total	47,655	47.82	46,434	61.50	46,312	62.12	46,401	62.51	46,441	63.04	46,372	63.49	46,370	63.90	-3%	34%	89.5
	Citrus	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Fruit (Non-citrus)	1,005	2.84	1,357	2.77	1,763	3.51	2,080	4.06	2,317	4.52	2,631	5.09	2,951	5.67	194%	100%	8.1
	Potatoes	1,535	2.04	1,919	2.11	1,941	2.14	1,997	2.21	2,115	2.35	2,186	2.43	2,264	2.54	47%	25%	
	Vegetables (Fresh Market)	10,670	15.83	12,070	15.54	13,309	17.26		19.11	15,859	20.85	16,932	22.35	18,039	23.90		51%	
	Field Crops	46,175	43.22	56,701	42.81	57,468	43.77	58,228	44.73	59,420	46.30	60,542	47.78	61,631			14%	*
SRWMD NFRWSP Total	Greenhouse/Nursery	2,517	6.74	2,650	6.52	3,246	7.86	3,285	7.94	3,630	8.71	4,099	9.79	4,702	11.15	87%	65%	
	Hay	11,293	12.04	12,722	12.12	13,040	12.32	13,727	12.82	13,843	12.79	14,052	12.85	14,203	12.81	26%	6%	*
	Sod	109	0.06	86	0.06	86	0.06	86	0.05	86	0.06	86	0.06	86	0.06	-21%	0%	0.0
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00		0.00	0	0.00		N/A	
	Miscellaneous	0	6.15	0	6.21	0	6.21	0	6.21	0	6.21	0	6.21	0	6.21		1%	
	Total	73,304	88.92	87,505	88.14	90,853	93.13	94,030	97.13	97,270	101.79	100,528	106.56	103,876		•	25%	

Table B-7a, Continued. Agricultural Irrigation Self-supply Water Use (Including Miscellaneous Water Use) and Acreage for 2015, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by Crop Category by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	Crop Category	2015 Est Agricu		2020 Pro Agricu		2025 Pro Agricu	•	2030 Pro Agricul	<i>'</i>	2035 Pro Agricu	<i>'</i>	2040 Pro Agricul	,	2045 Pr Agric	•	Percent Cha 204	5	2045 (1-in-10
		Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acres	MGD	Acreage	MGD	Demand
	Citrus	253	0.12	199	0.13	199	0.14	199	0.14	199	0.14	199	0.15	199	0.14	-21%	17%	0.2
	Fruit (Non-citrus)	2,802	6.13	3,148	6.27	3,606	7.18	4,137	8.14	4,445	8.79	4,819	9.49	5,139	10.09	83%	65%	14.5
	Potatoes	22,471	21.42	23,030	28.28	22,837	28.29	22,275	27.80	21,889	27.50	21,664	27.38	21,525	27.38	-4%	28%	41.6
	Vegetables (Fresh Market)	19,014	23.80	20,520	26.55	21,939	28.62	23,408	30.81	24,770	32.82	25,937	34.56	27,088	36.25	42%	52%	47.8
	Field Crops	50,077	45.44	60,487	45.81	61,335	46.88	62,343	48.01	63,834	49.88	65,103	51.45	66,289	52.89	32%	16%	67.9
NFRWSP Total	Greenhouse/Nursery	6,987	15.72	6,870	16.70	7,545	18.35	7,584	18.44	7,945	19.37	8,496	20.75	9,224	22.51	32%	43%	25.5
	Нау	14,432	13.73	14,924	14.25	15,329	14.49	16,110	15.05	16,254	15.05	16,405	15.05	16,505	14.90	14%	9%	20.8
	Sod	4,923	3.01	4,761	4.05	4,375	3.70	4,375	3.65	4,375	3.68	4,277	3.62	4,277	3.64	-13%	21%	5.2
	Sugarcane	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	0	0.00	N/A	N/A	0.0
	Miscellaneous	0	7.37	0	7.60	0	7.60	0	7.60	0	7.60	0	7.60	0	7.60	N/A	3%	7.6
	Total	120,959	136.74	133,939	149.64	137,165	155.25	140,431	159.64	143,711	164.83	146,900	170.05	150,246	175.40	24%	28%	231.4

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) 2015 total water use data source is NFSEG master geodatabase with metered and estimated agricultural water use. The 2015 water use by crop was estimated using 2020 FSAID VII ratios.
- 4.) 2015 acreage source is FSAID IV published June 30, 2017 by The Balmoral Group for the Florida Department of Agriculture and Consumer Services.
- 5.) 2020 2045 acreage projections and 2020 2045 average and 1-in-10 water demand projections derived from FSAID VII published June 30, 2020 by The Balmoral Group for the Florida Department of Agriculture and Consumer Services.

Table B-7b. Miscellaneous Agricultural Self-supply Water Use for 2015, 5-in-10 Year Demand Projections for 2020-2045, and 1-in-10 Year Demand Projections for 2045 by County, in Region 1 of the St. Johns

River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	District		2015 Wa	ter Use			2020-2045 Dem	and Projections		Percent Change 2015
		Dairy	Livestock	Aquaculture	Total	Dairy	Livestock	Aquaculture	Total	2045
Alachua	SJRWMD	0.06	0.13	0.00	0.19	0.06	0.14	0.00	0.20	5%
Alachua	SRWMD	0.21	0.47	0.09	0.76	0.19	0.43	0.08	0.70	-8%
Alachua	Total	0.27	0.60	0.09	0.95	0.25	0.57	0.08	0.90	-5%
Baker	SJRWMD	0.00	0.06	0.02	0.08	0.00	0.07	0.03	0.10	25%
Baker	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Baker	Total	0.00	0.06	0.02	0.08	0.00	0.07	0.03	0.10	25%
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Bradford	SRWMD	0.00	0.13	0.15	0.28	0.00	0.13	0.16	0.29	4%
Bradford	Total	0.00	0.13	0.15	0.28	0.00	0.13	0.16	0.29	4%
Clay	SJRWMD	0.00	0.05	0.00	0.05	0.00	0.06	0.00	0.06	20%
Columbia	SRWMD	0.00	0.37	0.02	0.38	0.00	0.34	0.02	0.35	-8%
Duval	SJRWMD	0.00	0.09	0.14	0.23	0.00	0.08	0.13	0.21	-9%
Flagler	SJRWMD	0.00	0.04	0.00	0.04	0.00	0.07	0.00	0.07	
Gilchrist	SRWMD	1.78	0.45	0.00	2.13	1.78	0.45	0.00	2.13	
Hamilton	SRWMD	0.00	0.24	0.00	0.24	0.00	0.21	0.00		
Nassau	SJRWMD	0.03	0.05	0.05	0.13	0.04	0.08	0.07	0.19	
Putnam	SJRWMD	0.13	0.14	0.19	0.46	0.14	0.15	0.21	0.50	
St. Johns	SJRWMD	0.00	0.03	0.01	0.04	0.00	0.04	0.02	0.06	
Suwannee	SRWMD	1.04	1.16	0.01	2.21	1.12	1.24	0.01	2.37	
Union	SRWMD	0.00	0.15	0.00	0.15	0.00	0.15	0.16	0.16	7%
SJRWMD Region	on 1 Total	0.22	0.59	0.41	1.22	0.24	0.69	0.46	1.39	14%
SRWMD NFRW	/SP Total	3.03	2.97	0.27	6.15	3.09	2.95	0.43	6.21	1%
NFRWSP 1	Total	3.25	3.56	0.68	7.37	3.33	3.64	0.89	7.60	3%

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) 2015 total water use data source is NFSEG master geodatabase with metered and estimated agricultural water use. The 2015 water use by category was estimated using 2020 FSAID VII ratios.
- 4.) 2020 2045 projected water demand derived from FSAID VII AG layer, published June 30, 2020 by the Balmoral Group for the Florida Department of Agriculture and Consumer Services.
- 5.) FSAID VII AG layer, published June 30, 2020 by the Balmoral Group for the Florida Department of Agriculture and Consumer Services assumes no increase for 1-in-10 year drought conditions.

Table B-8. Landscape / Recreational Self-supply Water Use for 2015 and 5-in-10 Year Demand Projections for 2020-2045, and 1-in-10 Year Demand Projections for 2045 by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee

River Water Ma	agement Di																																_
		1	Water Use												D	emand Pro	jections (5	i-in-10)											Percent	Dem	and Projecti	ons (1-in-10)	
County	District		2015			202	0			202	5			203	30			203	5			204	40				2045		Change		2045	,	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other Total	-
Alachua	SJRWMD	0.19	0.08	0.27	0.20	0.08	0.00	0.28	0.20	0.09	0.00	0.29	0.21	0.09	0.00	0.30	0.22	0.09	0.00	0.31	0.23	0.09	0.00	0.32	0.23	0.10	0.00	0.33	22%	0.39	0.17	0.00	.56
Alachua	SRWMD	1.04	0.00	1.04	1.18	0.00	0.00	1.18		0.00	0.00	1.21	1.20	0.00	0.00	1.20	1.23	0.00	0.00	1.23	1.23	0.00	0.00	1.23	1.22	0.00	0.00	1.22	17%	1.23	0.00	0.00 1.	
Alachua	Total	1.23	0.08	1.31	1.38	0.08	0.00	1.46	1.41	0.09	0.00	1.50	1.41	0.09	0.00	1.50	1.45	0.09	0.00	1.54	1.46	0.09	0.00	1.55	1.45	0.10	0.00	1.55	18%	1.62	0.17	0.00 1.	.79
Baker	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	.00
Baker	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	.00
Baker	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00 0	.00
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	.00
Bradford	SRWMD	0.30	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0%	0.35	0.00	0.00	.35
Bradford	Total	0.30	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0%	0.35	0.00	0.00 0.	.35
Clay	SJRWMD	0.21	0.20	0.41	0.44	0.22	0.00	0.66	0.59	0.26	0.00	0.85	0.67	0.30	0.00	0.97	0.75	0.35	0.00	1.10	0.80	0.37	0.00	1.17	0.83	0.40	0.00	1.23	200%	1.37	0.83	0.00 1	.70
Columbia	SRWMD	0.73	0.00	0.73	0.76	0.00	0.00	0.76	0.79	0.00	0.00	0.79	0.82	0.00	0.00	0.82	0.84	0.00	0.00	0.84	0.86	0.00	0.00	0.86	0.88	0.00	0.00	0.88	21%	0.91	0.00	0.00	.91
Duval	SJRWMD	1.64	3.19	4.83	1.94	3.77	0.00	5.71	2.02	3.92	0.00	5.94	2.09	4.07	0.00	6.16	2.16	4.21	0.00	6.37	2.23	4.35	0.00	6.58	2.30	4.47	0.00	6.77	40%	3.17	6.17	0.00	.34
Flagler	SJRWMD	0.43	1.41	1.84	0.48	1.59	0.00	2.07	0.54	1.75	0.00	2.29	0.58	1.90	0.00	2.48	0.61	2.02	0.00	2.63		2.09	0.00	2.73	0.66	2.15	0.00	2.81		0.76	2.50	0.00 3.	
Gilchrist	SRWMD	0.16	0.00	0.16	0.17	0.00	0.00	0.17		0.00	0.00	0.18	0.19	0.00	0.00	0.19	0.20	0.00	0.00	0.20		0.00	0.00	0.21	0.22		0.00	0.22		0.23	0.00	0.00 0 .	.23
Hamilton	SRWMD	0.10	0.00	0.10	0.10	0.00	0.00	0.10		0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10		0.17	0.00	0.00 0 .	.17
Nassau	SJRWMD	0.86	1.64	2.50	0.76	1.46	0.00	2.22		1.67	0.00	2.54	0.98	1.87	0.00	2.85	1.07	2.03	0.00	3.10	1.10	2.20	0.00	3.35	1.23	2.36	0.00	3.59	44%	1.51	2.87	0.00 4.	.00
Putnam	SJRWMD	0.37	0.49	0.86	0.37	0.50	0.00	0.87		0.50	0.00	0.87	0.37	0.50	0.00	0.87	0.37	0.50	0.00	0.87		0.50	0.00	0.87	0.37	0.50	0.00	0.87		0.68	0.90	0.00 1.	.00
St. Johns	SJRWMD	0.52	4.19	4.71	0.72	5.84	0.00	6.56	0.04	6.77	0.00	7.61	0.93	7.50	0.00	8.43	1.01	8.18	0.00	9.19	1.10	8.82	0.00	9.92	1.18	9.50	0.00	10.68	127%	1.42	11.40	0.00 12.	
Suwannee	SRWMD	0.29	0.00	0.29	0.30	0.00	0.00	0.30	0.31	0.00	0.00	0.31	0.32	0.00	0.00	0.32	0.33	0.00	0.00	0.33	0.34	0.00	0.00	0.34	0.35	0.00	0.00	0.35	21%	0.43	0.00	0.00	43
Union	SRWMD	0.10	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0%	0.14	0.00	<u>0.00</u>	.14
SJRWMD Reg		4.22	11.20	15.42	4.91	13.46	0.00	18.37	5.43	14.96	0.00	20.39	5.83	16.23	0.00	22.06	6.19	17.38	0.00	23.57	6.52	18.42	0.00	24.94	6.80	19.48	0.00	26.28	70%	9.30	24.84	0.00 33.	.64
SRWMD NFR		2.72	0.00	2.72	2.91	0.00	0.00	2.91		0.00	0.00	2.99	3.03	0.00	0.00	3.03	3.10	0.00	0.00	3.10	3.14	0.00	0.00	3.14	3.17	0.00	0.00	3.17	,•	3.46	0.00	0.00 3.	46
NFRWSP	Total	6.94	11.20	18.14	7.82	13.46	0.00	21.28	8.42	14.96	0.00	23.38	8.86	16.23	0.00	25.09	9.29	17.38	0.00	26.67	9.66	18.42	0.00	28.08	9.97	19.48	0.00	29.45	62%	12.76	24.84	0.00 37.	.10

- Notes:

 1.) All water use is shown in million gallons per day.

 2.) Rounding errors account for nominal discrepancies.

 3.) 2015 water use data source is NFSEG master geodatabase with metered and estimated landscape/recreational water use.

 4.) 2020 2045 projected surface water demand was interpolated based on 2015 percentages.

 5.) 2045 1-in-10 rainfall year demands estimated using percentage above average from highest water year from 2014 2018.

- 5.) 2045 1-11-10 failural year defination estimated using percentage above arge from rights water year from 2014 2016.

 The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

 7.) Projected groundwater demand for Clay County includes an increase in 2025 for the Clay County Utility Authority Reclaimed Water Supplementation.

Table B-8a. 2014-2018 Water Use, Total County Population, and Five-Year Gross Per Capita Averages for Landscape / Recreational Self-supply Water Demand Increases, in Region 1 of the St. Johns River Water Management District.

County	District		Total Co	unty Wate	er Use		2014- 2018	High Year	% Above		County Popula	tion Within D	District		2014-2018 Average		Count	y Population	n Projection	s Within Di	strict		In	crease in	County Popu	ulation Wi	thin Distric	t	Change in	Landscape	e / Recreation	nal Self-su	pply Wate	r Demand
County	District	2014	2015	2016	2017	2018	Average	riigii reai	Average	2014	2015	2016	2017	2018	GPCD	2015	2020	2025	2030	2035	2040	2045	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2020	2025	2030	2035	2040	2045
Alachua	SJRWMD	0.39	0.27	0.17	0.20	0.13	0.23	0.39	70%	195,065	203,104	197,528	199,613	201,523	1	203,104	210,430	220,210	231,023	237,903	245,027	251,193	7,326	9,780	10,813	6,880	7,124	6,166	0.01	0.01	0.01	0.01	0.01	0.01
Alachua	SRWMD	1.05	1.04	1.04	1.03	1.03	1.04	1.05	1%	54,895	51,364	58,914	59,804	61,389	18	51,364	58,905	60,825	60,095	61,797	61,849	61,558	7,541	1,920	-730	1,702	52	-291	0.14	0.03	-0.01	0.03	0.00	-0.01
Alachua	Total	1.44	1.31	1.21	1.23	1.16	1.27	1.44	13%	249,960	254,468	256,442	259,417	262,912	N/A	254,468	269,335	281,035	291,118	299,700	306,876	312,751	14,867	11,700	10,083	8,582	7,176	5,875	0.15	0.04	0.00	0.04	0.01	0.00
Baker	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	26,532	26,556	26,506	26,729	27,189	0	26,556	27,440	28,838	30,026	30,922	31,667	32,394	884	1,398	1,188	896	745	727	0.00	0.00	0.00	0.00	0.00	0.00
Baker	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	503	503	489	498	507	0	503	521	549	573	591	609	623	18	28	24	18	18	14	0.00	0.00	0.00	0.00	0.00	0.00
Baker	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	27,035	27,059	26,995	27,227	27,696	N/A	27,059	27,961	29,387	30,599	31,513	32,276	33,017	902	1,426	1,212	914	763	741	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0%	2,301	2,289	2,312	2,319	2,366	0	2,289	2,475	2,872	3,069	3,069	3,234	3,418	186	397	197	0	165	184	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	SRWMD	0.30	0.30	0.30	0.30	0.09	0.26	0.30	15%	20,803	20,751	20,853	20,962	20,741	12	20,751	21,094	21,097	21,120	21,351	21,282	20,956	343	3	23	231	-69	-326	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	Total	0.30	0.30	0.30	0.30	0.09	0.26	0.30	15%	23,104	23,040	23,165	23,281	23,107	N/A	23,040	23,569	23,969	24,189	24,420	24,516	24,374	529	400	220	231	96	-142	0.00	0.00	0.00	0.00	0.00	0.00
Clay	SJRWMD	0.32	0.41	0.94	1.23	0.48	0.68	0.94	38%	198,718	202,600	206,498	209,718	213,169	3	202,600	220,871	247,378	275,396	306,470	322,769	338,510	18,271	26,507	28,018	31,074	16,299	15,741	0.05	0.08	0.08	0.09	0.05	0.05
Columbia	SRWMD	0.72	0.73	0.70	0.70	0.69	0.71	0.73	3%	63,780	64,037	64,589	65,059	65,770	11	64,037	66,323	69,323	71,823	73,823	75,523	77,023	2,286	3,000	2,500	2,000	1,700	1,500	0.03	0.03	0.03	0.02	0.02	0.02
Duval	SJRWMD	4.60	4.83	6.81	4.82	3.69	4.95	6.81	38%	896,665	851,884	946,637	959,764	975,386	5	851,884	1,027,320	1,073,631	1,117,321	1,159,034	1,200,741	1,238,401	175,436	46,311	43,690	41,713	41,707	37,660	0.88	0.23	0.22	0.21	0.21	0.19
Flagler	SJRWMD	1.85	1.84	2.11	1.98	1.32	1.82	2.11	16%	103,993	99,769	106,175	107,946	115,564	17	99,769	113,387	126,488	137,761	146,696	152,470	157,026	13,618	,	11,273	8,935	5,774	4,556	0.23		0.19	0.15	0.10	0.08
Gilchrist	SRWMD	0.17	0.16	0.16	0.16	0.15	0.16	0.17	6%	16,007	16,158	16,340	16,475	16,704	10	16,158	17,214	18,114	18,914	19,614	20,114	20,614	1,056	900	800	700	500	500	0.01	0.01	0.01	0.01	0.01	0.01
Hamilton	SRWMD	0.19	0.10	0.10	0.08	0.08	0.11	0.19	73%	12,064	12,141	12,146	12,106	12,162	9	12,141 77,817	12,081	12,281	12,381	12,381	12,381	12,481	-60	200	100	7.050	7.044	100	0.00	0.00	0.00	0.00	0.00	0.00
Nassau	SJRWMD SJRWMD	0.52	0.86	0.62	2.61	2.08	2.51 0.97	3.05 1.77	82%	76,619 78,327	77,817 77,620	79,234 78,876	81,833 79,171	84,155 79,125	31	77,817	78 189	78,852 78,461	78 596	96,828 78,825	104,742	112,428 79,317	-9,167 569	10,202	10,018	7,958 229	.,	7,686	-0.28 0.01	0.32	0.31	0.25	0.25	0.24
Putnam St. Johns	SJRWMD	0.52	4.71	6.02	I.//	1.09	0.97	1.77	300/	210,162	216,513	223,181	232,997	244,161	12	216.513	78,189	348.452	78,590	10,020	19,000	487.953	94 017	47.022	27 150	24 749	23.212	24 292	1.01	1.00	0.00	0.00	0.00	0.00
	SRWMD	4.30	4.71	0.03	0.91	0.21	0.26	0.32	20%	41,219	41.532	41.644	42.097	42.817	22	41.532	42 900	46,299	48 399	50,000	400,070	487,953 52,699	2.367	2,400	2 100	1 700	1 400	1 200	0.01	1.05	0.82	0.76	0.73	0.76
Suwannee Union	SRWMD	0.32	0.29	0.29	0.19	0.21	0.20	0.32	23% 40%	10.804	11 015	10.909	42,097	10 767	0	11 015	43,899	10,299	10.867	10 067	10 067	10 967	2,307 -248	2,400	2,100	1,700	1,400	1,200	0.01	0.01	0.01	0.01	0.01	0.01
SJRWMD Rea	0.1111111111111111111111111111111111111	14.32	15.10	10.09	19.53	12.06	16.18	10.14	22%	1,788,382	1.758.152	1.866.947	1.900.090	1,942,638	N/A	1 759 152	2 040 202	2 205 192	2 247 672	2 490 405	2 503 279	2 700 640	201 140	155 900	142.490	122 422	112 172	107 363	2.75	1 91	1.63	1.00	1.35	1 2
SRWMD NFR		2.89	2 72	2.60	10.32	12.30	2.64	2.89	22 70	220,075	217,501	225.873	227 726	230,857	N/A	217.501	230 904	230 355	244 172	250 622	254 224	256 024	12 202	0 554	4 917	132,433 6 AF4	3 604	2 607	0.10	0.00	0.04	0.07	0.04	0.03
NFRWSP		17.21	18.14	22.37	21.07	15.30	18.82	22.58	20%	2,008,457	1,975,653	2,092,820	2.127.826	2,173,495		,	2 220,004	2 444 537	2,591,844	2,730,728	2 947 502	2 057 561	304,443	164,441	147,307	138,884	3,001	110.050	2.94	1.99	1.67	1.54		

- NRWSP I otal 17.21 18.14 22:37 21.07 15.30 18.82 22.58 20% 2,008,457 1,975,653 2,092,820 2,127,826 2,173,495 Notes:

 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) 2014 2018 water use data source is NRSEG master geodatabase with metered and estimated landscape / recreational water use.
 4.) 2014 2018 oppulation obtained from Technical Staff Reports, BEBR estimates of population, DEP MOR and Basic Facility Report Data, parcel data, published annual reports, and permittee surveys.
 5.) Projected population for years 2020 2045 are based on BEBR Population Projections: Volume 53, Bulletin 186, Published January 2020.

Table B-9. Commercial / Industrial / Institutional and Mining / Dewatering Self-supply Water Use for 2015 and 5-in-10 Year Demand Projections for 2020-2045, by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

water wanageme	ili District.																												
		V	Vater Use												D	emand Proje	ections (5-in-	10)											Percent
County	District		2015			202	:0			202	25			20	30			20	35			20	140			2045	5	Ī	Change
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045
Alachua	SJRWMD	0.11	0.00	0.11	0.12	0.00	0.00	0.12	0.13	0.00	0.00	0.13	0.14	0.00	0.00	0.14	0.15	0.00	0.00		0.16	0.00	0.00	0.16	0.17	0.00	0.00	0.17	55%
Alachua	SRWMD	0.36	0.00	0.36	0.41	0.00	0.00	0.41	0.42	0.00	0.00	0.42		0.00	0.00	0.42	0.43	0.00	0.00		0.43	0.00	0.00	0.43		0.00	0.00	0.43	19%
Alachua	Total	0.47	0.00	0.47	0.53	0.00	0.00	0.53	0.55	0.00	0.00	0.55	0.56	0.00	0.00	0.56	0.58	0.00	0.00	0.58	0.59	0.00	0.00	0.59	0.60	0.00	0.00	0.60	28%
Baker	SJRWMD	0.15	0.27	0.42	0.15	0.28	0.00	0.43	0.16	0.29	0.00	0.45	0.17	0.30	0.00	0.47	0.17	0.31	0.00	0.48	0.17	0.32	0.00	0.49	0.18	0.32	0.00	0.50	19%
Baker	SRWMD	0.21	0.00	0.21	0.22	0.00	0.00	0.22	0.23	0.00	0.00	0.23	0.24	0.00	0.00	0.24	0.25	0.00	0.00	0.25	0.26	0.00	0.00	0.26	0.27	0.00	0.00	0.27	29%
Baker	Total	0.36	0.27	0.63	0.37	0.28	0.00	0.65	0.39	0.29	0.00	0.68	0.41	0.30	0.00	0.71	0.42	0.31	0.00	0.73	0.43	0.32	0.00	0.75	0.45	0.32	0.00	0.77	22%
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A
Bradford	SRWMD	1.04	0.00	1.04	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.07	0.00	0.00	1.07	1.07	0.00	0.00	1.07	1.05	0.00	0.00	1.05	1%
Bradford	Total	1.04	0.00	1.04	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.07	0.00	0.00	1.07	1.07	0.00	0.00	1.07	1.05	0.00	0.00	1.05	1%
Clay	SJRWMD	0.31	0.00	0.31	0.33	0.00	0.00	0.33	0.36	0.00	0.00	0.36	0.39	0.00	0.00	0.39	0.42	0.00	0.00	0.42	0.44	0.00	0.00	0.44	0.46	0.00	0.00	0.46	48%
Columbia	SRWMD	0.41	0.00	0.41	0.42	0.00	0.00	0.42	0.44	0.00	0.00	0.44		0.00	0.00	0.46		0.00	0.00		0.48	0.00	0.00			0.00	0.00	0.49	20%
Duval	SJRWMD	14.16	0.79	14.95	16.65	0.93	0.00	17.58	17.30	0.97	0.00	18.27		1.00	0.00	18.93	18.53	1.03	0.00		19.12	1.07	0.00			1.10	0.00	20.75	39%
Flagler	SJRWMD	0.26	0.00	0.26		0.00	0.00	0.27	0.28	0.00	0.00	0.28		0.00	0.00	0.29	0.30	0.00			0.31	0.00	0.00			0.00	0.00	0.31	19%
Gilchrist	SRWMD	0.38	0.00	0.38	0.41	0.00	0.00	0.41	0.43	0.00	0.00	0.43		0.00	0.00	0.45		0.00			0.48	0.00	0.00			0.00	0.00	0.49	29%
Hamilton	SRWMD	22.93	17.19	40.12		17.19	0.00	40.12	22.93	17.19	0.00	40.12		17.19	0.00	40.12	22.93	17.19	0.00		22.93	17.19	0.00			17.19	0.00	40.12	0%
Nassau	SJRWMD SJRWMD	33.06	23.85	33.11 27.54	33.02	0.05 23.87	0.00	33.07 27.56	33.06	0.05 23.88	0.00	33.11 27.57	33.10	0.05 23.88	0.00	33.15 27.58	33.13 3.70	0.05 23.89	0.00		33.16 3.70	23.90	0.00	33.21 27.60		0.05 23.91	0.00	33.24	0%
Putnam St. Johns	SJRWMD	3.69 0.56	0.20	0.76	3.69 0.74	0.27	0.00	1.01	3.69 0.85	0.30	0.00	1.15		0.33	0.00	1.26	1.00	23.09 0.36			3.70	0.38	0.00			0.41	0.00	27.61 1.56	105%
Suwannee	SRWMD	2.72	0.20	2.72		0.00	0.00	2.87	3.03	0.00	0.00	3.03		0.00	0.00	3.17	3.28	0.00			3.37	0.00	0.00				0.00	3.45	27%
Union	SRWMD	0.51	0.00	0.51		0.00	0.00	0.50	0.50	0.00	0.00	0.50		0.00	0.00	0.50		0.00	0.00		0.50	0.00	0.00			0.00	0.00	0.50	-2%
SJRWMD Red		52.30	25.16	77.46		25.40	0.00	80.37	55.83	25.49	0.00	81.32		25.56	0.00	82.21	57.40	25.64	0.00		58.14	25.72	0.00			25.79	0.00	84 60	9%
SRWMD NFR		28.56	17.19	45.75		17 19	0.00	46.01	29.04	17.19	0.00	46.23		17.19		46.42	29.40	17.19			29.52	17.19	0.00			17.19	0.00	46.80	2%
NFRWSF		80.86	42.35	123.21	83.79	42.59	0.00	126.38	84.87	42.68	0.00	127.55		42.75		128.63	86.80	42.83	0.00		87.66	42.91	0.00			42.98	0.00		7%
141 14401	· otai	00.00	72.33	120.21	00.73	72.00	0.00	120.00	07.07	72.00	0.00	127.00	00.00	72.73	0.00	120.00	00.00	72.03	0.00	1 .23.03	07.30	72.31	0.00	100.07	UU.42	72.30	0.00	101.70	1 /0

- Notes:

 1.) All water use is shown in million gallons per day.

 2.) Rounding errors account for nominal discrepancies.

 3.) 2015 water use data source is NFSEG master geodatabase with metered and estimated commercial/industrial/institutional and mining/dewatering water use.

 4.) 2020 2045 projected surface water demand was interpolated based on 2015 percentages.

 5.) The commercial/industrial/institutional and mining/dewatering water use category is not impacted by drought conditions, therefore the 5-in-10 2045 water demand also serves as the 1-in-10 water demand.

 6.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-9a. 2014-2018 Water Use, Total County Population, and Five-Year Gross Per Capita Averages for Commercial / Industrial / Institutional and Mining / Dewatering Self-supply Water Demand Increases, in Region 1 of the St. Johns River Water Management District.

County	District		Total 0	0.11 0.11 0.1 0.36 0.36 0.36 0.47 0.4 0.47 0.47 0.42 0.34 0.3 0.21 0.19 0.7				County Po	pulation With	nin District		2014-2018 Average		Cou	nty Populati	on Projection	s Within Di	strict		ı	ncrease in C	ounty Pop	ulation With	nin District					rial / Institut ply Water D	tional and M Demand	/lining /
	2.0000	2014	2015	2016	2017	2018	2014	2015	2016	2017	2018	GPCD	2015	2020	2025	2030	2035	2040	2045	2015-2020	2020-2025	2025-2030	2030-2035	2035-2040	2040-2045	2020	2025	2030	2035	2040	2045
Alachua	SJRWMD	0.10	0.11	0.11	0.12	0.06	195,065	203,104	197,528	199,613	201,523	1	203,104	210,430	220,210	231,023	237,903	245,027	251,193	7,326	9,780	10,813	6,880	7,124	6,166	0.01	0.01	0.01	0.01	0.01	0.01
Alachua	SRWMD	0.37	0.36	0.36	0.35	0.34	54,895	51,364	58,914	59,804	61,389	6	51,364	58,905	60,825	60,095	61,797	61,849	61,558	7,541	1,920	-730	1,702	52	-291	0.05	0.01	0.00	0.01	0.00	0.00
Alachua	Total	0.47	0.47	0.47	0.47	0.40	249,960	254,468	256,442	259,417	262,912	2	254,468	269,335	281,035	291,118	299,700	306,876	312,751	14,867	11,700	10,083	8,582	7,176	5,875	0.06	0.02	0.01	0.02	0.01	0.01
Baker	SJRWMD	0.47	0.42	0.34	0.39	0.35	26,532	26,556	26,506	26,729	27,189	15	26,556	27,440	28,838	30,026	30,922	31,667	32,394	884	1,398	1,188	896	745	727	0.01	0.02	0.02	0.01	0.01	0.01
Baker	SRWMD	0.20	0.21	0.19	0.18	0.19	503	503	489	498	507	388	503	521	549	573	591	609	623	18	28	24	18	18	14	0.01	0.01	0.01	0.01	0.01	0.01
Baker	Total	0.67	0.63	0.53	0.57	0.54	27,035	27,059	26,995	27,227	27,696	22	27,059	27,961	29,387	30,599	31,513	32,276	33,017	902	1,426	1,212	914	763	741	0.02	0.03	0.03	0.02	0.02	0.02
Bradford	SJRWMD	0.01	0.00	0.00	0.00	0.00	2,301	2,289	2,312	2,319	2,366	1	2,289	2,475	2,872	3,069	3,069	3,234	3,418	186	397	197	0	165	184	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	SRWMD	0.90	1.04	1.02	1.01	1.06	20,803	20,751	20,853	20,962	20,741	48	20,751	21,094	21,097	21,120	21,351	21,282	20,956	343	3	23	231	-69	-326	0.02	0.00	0.00	0.01	0.00	-0.02
Bradford	Total	0.91	1.04	1.02	1.01	1.06	23,104	23,040	23,165	23,281	23,107	44	23,040	23,569	23,969	24,189	24,420	24,516	24,374	529	400	220	231	96	-142	0.02	0.00	0.00	0.01	0.00	-0.02
Clay	SJRWMD	0.39	0.31	0.24	0.28	0.28	198,718	202,600	206,498	209,718	213,169	1	202,600	220,871	247,378	275,396	306,470	322,769	338,510	18,271	26,507	28,018	31,074	16,299	15,741	0.02	0.03	0.03	0.03	0.02	0.02
Columbia	SRWMD	0.41	0.41	0.41	0.36	0.35	63,780	64,037	64,589	65,059	65,770	6	64,037	66,323	69,323	71,823	73,823	75,523	77,023	2,286	3,000		,	1,700	1,500	0.01	0.02	0.02	0.01	0.01	0.01
Duval	SJRWMD	14.47	14.95	14.33	14.63	12.50	896,665	851,884	946,637	959,764	975,386	15	851,884	1,027,320	1,073,631	1,117,321	1,159,034	1,200,741	1,238,401	175,436	46,311	-,	, -	41,707	37,660	2.63	0.69	0.66	0.63	0.63	0.56
Flagler	SJRWMD	0.13	0.26	0.00	0.00	0.00	103,993	99,769	106,175	107,946	115,564	1	99,769	113,387	126,488	137,761	146,696	152,470	157,026	13,618	13,101	,	-,	5,774	4,556	0.01	0.01	0.01	0.01	0.01	0.00
Gilchrist	SRWMD	0.40	0.38	0.42	0.44	0.54	16,007	16,158	16,340	16,475	16,704	27	16,158	17,214	18,114	18,914	19,614	20,114	20,614	1,056	900			500	500	0.03	0.02	0.02	0.02	0.01	0.01
Hamilton	SRWMD	0.07	0.07	0.07	0.07	0.07	12,064	12,141	12,146	12,106	12,162	6	12,141	12,081	12,281	12,381	12,381	12,381	12,481	-60				0	100	0.00	0.00	0.00	0.00	0.00	0.00
Nassau	SJRWMD	0.15	0.17	0.35	0.39	0.38	76,619	77,817	79,234	81,833	84,155	4	77,817	68,650	78,852	88,870	96,828	104,742	112,428	-, -	10,202	-,	,	7,914	7,686	-0.04	0.04	0.04	0.03	0.03	0.03
Putnam	SJRWMD	2.73	3.59 0.76	3.67	3.74	3.25	78,327	77,620	78,876	79,171	79,125	43	77,620	78,189	78,461	78,596	78,825	79,058	79,317	569				233	259	0.02	0.01	0.01	0.01	0.01	0.01
St. Johns	SJRWMD	0.58 2.18	0.70	0.72	0.58 2.89	0.56 2.95	210,162	216,513	223,181	232,997 42.097	244,161 42.817	3	216,513 41.532	300,530 43,899	348,452 46,299	385,610 48,399	420,358 50.099	453,570	487,953 52,699	84,017 2.367	47,922 2.400	37,158		33,212	34,383	0.25	0.14	0.11	0.10	0.10	0.10
Suwannee Union	SRWMD SRWMD	0.53	2.72 0.51	2.84 0.53	0.52	2.95 0.51	41,219 10.804	41,532 11,015	41,644 10.898	42,097 10.735	42,817 10.767	65	41,532 11.015	43,899 10,767	46,299 10.867	48,399 10.867	10.967	51,499 10.967	52,699 10.967	-248	-,	-,	1,700	1,400	1,200	0.15 -0.01	0.16	0.14	0.11	0.09	0.08
				0.00	****	47.00		11,010	,	10,733	,	40	,	10,707	10,007	-,	,		10,907	: -		440.400	.00	•	407.000	0.01					0.00
SJRWMD Re		19.03 5.06	20.57	19.76 5.84	20.13 5.82	17.38	1,788,382	1,758,152 217.501	1,866,947	1,900,090	1,942,638 230,857	10	1,758,152 217,501	2,049,292	2,205,182	2,347,672 244,172	2,480,105	2,593,278 254,224	2,700,640	291,140 13,303	155,890 8,551	142,490 4.817	132,433 6,451	113,173 3,601	107,362 2.697	2.91 0.26	0.95 0.22	0.89	0.83	0.82 0.12	0.74 0.09
NFRWS		24.09	26.27	25.60	25.95	23.39	2 008 457	1,975,653	2,092,820	2.127.826	2,173,495	12	1,975,653	2.280.096	239,355 2.444.537	,	2.730.728	2.847.502	2.957.561	304,443	164.441	4,017	138.884		,	3.17	1.17	1.08	1.00	0.12	0.09

- Notes:
 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) 2014 2018 water use data source is NFSEG master geodatabase with metered and estimated commercial / industrial / institutional and mining / dewatering water use.
 4.) 2018 population obtained from Technical Staff Reports, BEBR estimates of population, DEP MOR and Basic Facility Report Data, parcel data, published annual reports, and permittee surveys.
 5.) Projected population for years 2020 2045 are based on BEBR Population Projections: Volume 53, Bulletin 186, Published January 2020.
 6.) Hamilton, Nassau, and Putnam counties projections were adjusted to hold pulp, paper mill, and large industrial quantities.

Table B-10. Power Generation Self-supply Water use for 2015 and 5-in-10 Year Demand Projections for 2020-2045, by County, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

		,	Vater Use													Demand	Projections	(5-in-10)											Percent	Non	concumnti	e Saline and	Eroob Cu	rfano Motor	Lloo Cooline	
County	District		2015			202	0			202	5			20	30			2	035			20	40			204	15		2015-	NOI	-consumptiv	e Saille and	riesii Sui	nace water	Ose Cooling	j
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2045	2015	2020	2025	2030	2035	2040	2045
Alachua	SJRWMD	0.51	0.00	0.51	0.53	0.00	0.00	0.53	0.55	0.00	0.00	0.55	0.56	0.00	0.00	0.56	0.59	0.00	0.00	0.59	0.61	0.00	0.00	0.61	0.63	0.00	0.00		24%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alachua	SRWMD	1.77	0.00	1.77	1.76	0.00	0.00	1.76	1.67	0.00	0.00	1.67	1.71	0.00	0.00	1.7	1.78	0.00	0.00	1.78	1.86	0.00	0.00	1.86	1.93	0.00	0.00	1.93	9%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alachua	Total	2.28	0.00	2.28	2.29	0.00	0.00	2.29	2.22	0.00	0.00	2.22	2.27	0.00	0.00	2.27	2.37	0.00	0.00	2.37	2.47	0.00	0.00	2.47	2.56	0.00	0.00	2.56	12%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baker	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baker	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Baker	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Clay	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Columbia	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Duval	SJRWMD	6.37	12.18	18.55	5.04	13.08	0.00	18.12	5.18	13.44	0.00	18.62	5.40	13.99	0.00	19.39	5.80	15.07	0.00	20.87	6.25	16.21	0.00	22.46	6.72	17.44	0.00	24.16	30%	609.08	654.01	671.80	699.89	753.30	810.49	872.00
Flagler	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Gilchrist	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00		N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Hamilton	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00		N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nassau	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00			0.00		N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Putnam	SJRWMD	0.45	0.30	0.75	0.48	0.32	0.00	0.80	0.51	0.34	0.00	0.85	0.54	0.36	0.00	0.0	0.00	0.37	0.00		0.57	0.38		0.95		0.00	0.00		29%		15.90	17.06	18.02	18.48	18.95	19.44
St. Johns	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00		0.00	0.00		N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Suwannee	SRWMD	0.10	0.06	0.16	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.01	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.01	0.05	0.00		-25%	3.00	2.25	2.25	2.25	2.25	2.25	2.25
Union	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SJRWMD Reg		7.33	12.48	19.81	6.05	13.40	0.00	19.45	6.24	13.78	0.00	20.02	6.50	14.35	0.00	20.8	6.95	15.44	0.00	22.39	7.43	16.59	0.00	24.02	7.93	17.83	0.00	25.76	30%	624.06	669.91	688.86	717.91	771.78	829.44	891.44
SRWMD NFF			0.06		1.83	0.05	0.00	1.88	1.74	0.05	0.00	1.79	1.78	0.05	0.00	1.83	1.85	0.05	0.00	1.90	1.93	0.05	0.00	1.98	2.00	0.00	0.00	2.05	6%	3.00	2.25	2.25	2.25	2.25	2.25	2.25
NFRWSF	Total	9.20	12.54	21.74	7.88	13.45	0.00	21.33	7.98	13.83	0.00	21.81	8.28	14.40	0.00	22.68	8.80	15.49	0.00	24.29	9.36	16.64	0.00	26.00	9.93	17.88	0.00	27.81	28%	627.06	672.16	691.11	720.16	774.03	831.69	893.69

- Notes:

 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) The power generation water use category is not impacted by drought conditions, therefore the 5-in-10 2045 water demand also serves as the 1-in-10 water demand.
 4.) Consumptive surface water is assumed to be 2 percent of total surface water to account for losses.
 5.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-10a. Power Generation Self-supply water use for 2015 and 5-in-10 Year Demand Projections for 2020-2045, by County and Facility, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

				Water Use	•													Deman	nd Proje	ections (5-	n-10)											Percent Change	Non-	consumptive	Saline and	Froch Sur	faco Wator	Llee for Co	oling
County	Facility	District		2015				2020				202	25				2030				2035	i			2	040			20)45		2015-	Non-	Olisalliptive	Sainle and	i iesii sui	iace water	036 101 00	Jillig
			Ground	Surface	Total	Groun	d Surfa	ace Ot	ther T	otal	Ground	Surface	Other	Total	Ground	Surfac	Other	Tota	al Gr	round S	urface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2045	2015	2020	2025	2030	2035	2040	2045
	Gainesville Regional Utilities - J R Kelly (11374)	SJRWMD	0.51	0.00	0.5	0.	53 (0.00	0.00	0.53	0.55	0.00	0.00	0.55	0.5	66 0.0	0.0	00 0	0.56	0.59	0.00	0.00	0.59	0.61	0.00	0.0	0.61	0.63	0.00	0.00	0.63	24%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Deerhaven Renewable Plant (220496)	SRWMD	0.28	0.00	0.2	28 0.:	28 (0.00	0.00	0.28	0.27	0.00	0.00	0.27	0.2	27 0.0	0 0.0	0 0	0.27	0.28	0.00	0.00	0.28	0.30	0.00	0.0	0.30	0.31	0.00	0.00	0.31	11%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alachua	Gainesville Regional Utilities - Deerhaven Power Plant																																					('	1
	(PA 74-04)	SRWMD	1.49	0.00	1.4	19 1.	48 (0.00	0.00	1.48	1.40	0.00	0.00	1.40	1.4	0.0	0.0	00 1	1.44	1.50	0.00	0.00	1.50	1.56	0.00	0.0	1.56	1.62	0.00	0.00	1.62	9%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total		2.28	0.00	2.2	28 2.:	29 (0.00	0.00	2.29	2.22	0.00	0.00	2.22	2.2	27 0.0	0 0.	00 2	2.27	2.37	0.00	0.00	2.37	2.47	0.00	0.0	2.47	2.56	0.00	0.00	2.56	12%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	JEA - Northside (721)	SJRWMD	0.26	12.18	12.4	14 0.:	28 12	2.56	0.00	12.84	0.29	12.91	0.00	13.20	0.3	30 13.4	4 0.0	00 13	3.74	0.32	14.47	0.00	14.79	0.35	15.57	0.0	15.92	0.37	16.75	0.00	17.12	38%	609.08	628.18	645.28	672.24	723.55	778.49	837.57
	JEA - Brandy Branch (140370)	SJRWMD	2.03	0.00	2.0	2.)2 (0.00	0.00	2.02	2.08	0.00	0.00	2.08	3 2.1	7 0.0	0.0	00 2	2.17	2.33	0.00	0.00	2.33	2.51	0.00	0.0	2.51	2.70	0.00	0.00	2.70	33%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Duval	SJR Power Park (140634)	SJRWMD	3.48	0.00	3.4	18 2.	74 (0.52	0.00	3.26	2.81	0.53	0.00	3.34	2.9	93 0.5	5 0.0	00 3	3.48	3.15	0.60	0.00	3.75	3.39	0.64	0.0	4.03	3.65	0.69	0.00	4.34	25%	0.00	25.83	26.52	27.65	29.75	32.00	34.43
	Cedar Bay Generating Facility (PA 88-24G)	SJRWMD	0.60	0.00	0.6	60 0.	00 (0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0.0	00 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	-100%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total		6.37	12.18	18.5	55 5.	04 13	3.08	0.00	18.12	5.18	13.44	0.00	18.62	5.4	13.9	9 0.	00 19	9.39	5.80	15.07	0.00	20.87	6.25	16.21	0.0	22.46	6.72	17.44	0.00	24.16	30%	609.08	654.01	671.80	699.89	753.30	810.49	872.00
	Florida Power & Light - Puntam (PA 74-01)	SJRWMD	0.00	0.00	0.0	0.	00 (0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.0	0 0.0	00 0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.0	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Putnam	Seminole Electric Cooperative - Palatka (140536)	SJRWMD	0.45	0.30	0.7	75 0.4	48 (0.32	0.00	0.80	0.51	0.34	0.00	0.85	0.5	54 0.3	6 0.	00 0	0.90	0.56	0.37	0.00	0.93	0.57	0.38	0.0	0.95	0.58	0.39	0.00	0.97	29%	14.98	15.90	17.06	18.02	18.48	18.95	19.44
	Total		0.45	0.30	0.7	75 0.4	48 (0.32	0.00	0.80	0.51	0.34	0.00	0.85	0.5	64 0.3	6 0.0	0 0	0.90	0.56	0.37	0.00	0.93	0.57	0.38	0.0	0.95	0.58	0.39	0.00	0.97	29%	14.98	15.90	17.06	18.02	18.48	18.95	19.44
Suwannee	Duke - Ellaville (219872)	SRWMD	0.10	0.06	0.1	16 0.	07 (0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.0	0.0	5 0.0	0 00	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.0	0.12	0.07	0.05	0.00	0.12	-25%	3.00	2.25	2.25	2.25	2.25	2.25	2.25
ouwannee	Total		0.10	0.06	0.1	16 0.	07 (0.05	0.00	0.12	0.07	0.05	0.00	0.12	2 0.0	0.0	5 0.0	0 0	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.0	0.12	0.07	0.05	0.00	0.12	-25%	3.00	2.25	2.25	2.25	2.25	2.25	2.25
	SJRWMD Region 1 Total		7.33	12.48	19.8	6.	05 13	3.40	0.00	19.45	6.24	13.78	0.00	20.02	2 6.5	0 14.3	5 0.	00 20	0.85	6.95	15.44	0.00	22.39	7.43	16.59	0.0	24.02	7.93	17.83	0.00	25.76	30%	624.06	669.91	688.86	717.91	771.78	829.44	891.44
	SRWMD NFRWSP Total		1.87	0.06	1.9	3 1.	33 (0.05	0.00	1.88	1.74	0.05	0.00	1.79	1.7	'8 0.0	5 0.	00 1	1.83	1.85	0.05	0.00	1.90	1.93	0.05	0.0	1.98	2.00	0.05	0.00	2.05	6%	3.00	2.25	2.25	2.25	2.25	2.25	2.25
	NFRWSP Total		9.20	12.54	21.7	74 7.	38 13	3.45	0.00	21.33	7.98	13.83	0.00	21.81	8.2	28 14.4	0 0.	00 22	2.68	8.80	15.49	0.00	24.29	9.36	16.64	0.0	26.00	9.93	17.88	0.00	27.81	28%	627.06	672.16	691.11	720.16	774.03	831.69	893.69

- Notes:
 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) 2015 water use data source is NFSEG master geodatabase with metered and estimated power generation water use.
 4.) Consumptive surface water is assumed to be 2 percent of total surface water to account for losses.
 5.) The power generation water use category is not impacted by drought conditions, therefore the 5-in-10 2045 water demand also serves as the 1-in-10 water demand.
 6.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

	Table B-10b, Continued. 2014-2018 Water Use and Megawatts, Five-Year Gross Per Mega Watt Averages, and 2020-2045 Demand Projections for Power Generation Self-supply Water Demand	I Increases, in Region 1 of the St. Johns River Water Management District and the North Florida Regional Table B-10b, Continued. 2014-2018 Water Use and Megawatts, Five-Year Gross Per Mega Watt Averages, and 2020-2045 Demand Projections for Power Generation Self-supply Water Demand Increases, in Region 1 of the St. Johns River Water
Management District and the North Florida Regional Water Supply Planning Region the Suwannee River Water Management District.	Water Supply Planning Region of the Suwannee River Water Management District.	Management District and the North Florida Regional Water Supply Pfanning Region of the Suwannee River Water Management District.

Managemen	t District and th	ne North Florida Regional Water	Supply Planning	Region the Suv	annee River Wa	ter Managem	ent District.							Water Supply P	Planning Re	Region of the Suwannee River Water Manageme	nt District.													Management E	District and the North Florida Regional Water Supply Pl	nning Region	of the Suwannee Ri	∠ver Water Mar	nagement Distri	rict.						
					Groundwat	er Water Use	,	Non-co	nsumptive S	aline and Fre	sh Surface W	ater Use for Cooli	ng						Hist	oric Megawatts			Gallons G	2014-2018 allons (Non-		F	rojected Megawa	atts						Proje	jected Groundw	water Demand		Project	ted Non-cons	umptive Saline a for Cod		ce Water Demand
County		Facility	Distri	2014	2015 2	016 201	7 2018	2014	2015	5 20	016	2017 201	Notes 8	County		Facility	District	2014	2015	2016	2017	2018	(Consumptive) C Per Megawatt P Average		2020	2025	2030 203	35	2040 2045	County	Facility	District	2020	2025	2030	2035	2040 2045	5 2020	0 2025	5 2030	2035	2040 2045
	Gainesville F	Regional Utilities - J R Kelly (113	374) SJRW	/ID 0.285	0.510	0.753 0.	512 0.563	0.0	000 0	0.000	0.000	0.000	0.000		Gaine	esville Regional Utilities - J R Kelly (11374)	SJRWMD	70.6	72.7	73.9	72.2	70.4	0.00729	0.00000	72.1	75.4	77.0	80.2	83.4 87.0		Gainesville Regional Utilities - J R Kelly (11374)	SJRWMD	0.526	0.550	0.561	0.585	0.608 0	1.634 0.	.000 0	.000 0.0	0.000	0.000 0.000
Alachua	Deerhaven I	Renewable Plant (220496)	SRWM	0.470	0.276	0.038 0.	242 0.379	0.0	000 0	0.000	0.000	0.000	0.000	Alachua	Deerh	haven Renewable Plant (220496)	SRWMD	68.3	70.3	71.4	69.8	68.1	0.00404	0.00000	69.7	66.1	67.6	70.4	73.3 76.3	Alachua	Deerhaven Renewable Plant (220496)	SRWMD	0.282	0.267	0.273	0.284	0.296 0	.308 0.	.000 0	.000 0.0	0.000	0.000 0.000
	Gainesville F Plant (PA 7-	Regional Utilities - Deerhaven Po	ower SRWM	1 1 965	1 489	1 435 1	258 1 251	0.0	000	0.000	0.000	0.000	0.000			esville Regional Utilities - Deerhaven Power t (PA 74-04)	SRWMD	270 1	278.0	282 7	276 1	269.5	0.00537	0.00000	275.8	261.5	267.4	278.4	289.9 301.8		Gainesville Regional Utilities - Deerhaven Power Plant (PA 74-04)	SRWMD	1 481	1 404	1 436	1.495	1 557 1	621 0	000 0	1,000 07	00 000	0.000 0.000
		Total	,	2.72	2.275	2.226 2.	012 2.193	0.0	000 (0.000	0.000	0.000	0.000			Total		409.0	421.0	428.0	418.1	408.0	0.00548	0.00000	417.6	403.0	412.0	429.0	446.6 465.1		Total		2.289	2.221	2.270	2.364	2.461 2.	.563 0.	.000 0	0.00	0.000	0.000 0.000
	JEA - North	side (721)	SJRWI	MD 0.307	0.262	0.329 0.	205 0.258	8 603.5	587. 609	9.083 (663.973	512.063 66	9/10/20 email from To	e id	JEA -	- Northside (721)	SJRWMD	1,196.0	1,212.0	1,132.0	1,050.0	1,304.0	0.00023	0.51830	1,212.0	1,245.0	1,297.0 1,3	.396.0	1,502.0 1,616.0		JEA - Northside (721)	SJRWMD	0.279	0.286	0.298	0.321	0.345 0.	.372 628	1.180 645	<u>3.284</u> 672.2	35 723.547	778.487 837.573
Duval	JEA - Brand	dy Branch (140370)	SJRWI	/ID 1.871	2.029	1.529 1.	933 2.495	6 0.0	000	0.000	0.000	0.000	Bartol notes no chan in groundwater dema but to use allocation Allocation is much greater than historia average; used NFRW methodology. 9/10/20 email from To Bartol notes no chan	Duval SP	JEA -	- Brandy Branch (140370)	SJRWMD	728.0	739.0	690.0	640.0	795.0	0.00274	0.00000	738.3	758.2	790.3 8	850.3	914.8 984.2	Duval	JEA - Brandy Branch (140370)	SJRWMD	2.023	2.077	2.165	2.330	2.507 2.	.697 0.	.000 0	0.000 0.00	0.000	0.000 0.000
		Power Park (140634) Generating Facility (PA 88-24G	SJRWI	/ID 0.780	0.603	0.153 0.	2.75 0.220 830 0.000	0.0	000 0	0.000	39.517	41.89 0.000 553.953 66	in groundwater dema but to use allocation Allocation is much greater than historia average; used NFRW methodology.	SP		- SJR Power Park (140634) ar Bay Generating Facility (PA 88-24G)	SJRWMD SJRWMD	899.0 258.0	912.0 258.0	852.0 258.0	790.0 258.0	981.0	0.00300	0.02833	911.7	936.2	0.0	0.0	1,129.7 1,215.4 0.0 0.0 3.546.5 3.815.6		JEA - SJR Power Park (140634) Cedar Bay Generating Facility (PA 88-24G) Total	SJRWMD	2.735	2.809 0.000	0.000	3.150	3.389 3. 0.000 0. 6.241 6.	.000 0	.000 0	0.00	0.000	32.004 34.432 0.000 0.000
				0.003	0.305	0.103 0.	710 2.573	047.0	357 00:	5.003	703.450	303.933 60	Decommissioned in			Total		3,001.0	3,121.0	2,532.0	2,730.0	3,000.0	0.00160	0.21271	2,002.0	2,555.4	3,063.2 3,2	,250.3	3,040.0 3,010.0		Total		3.037	0.172	0.351	5.601	0.241 0.	.710 604.	.008 671	807 655.6	02 703.254	10.491 872.003
Putnam		er & Light - Puntam (PA 74-01).	SJRW	MD 0	0.001	0.004 0.	000 0.000	0.5	556 (0.000	0.000	0.000	0.000 2017/2018	Putnam		da Power & Light - Puntam (PA 74-01)	SJRWMD	450.1	453.1	434.5	461.1	0.0	0.00000	0.00031	0.0	0.0	0.0	0.0	0.0 0.0	Putnam	Florida Power & Light - Puntam (PA 74-01)	SJRWMD	0.000	0.000	0.000	0.000	0.000 0.	.000 0.	.000 0	.000 0.0	0.000	0.000 0.000
	Seminole El	lectric Cooperative - Palatka (14	10536) SJRW	/ID 0.437	0.453	0.527 0.	449 0.410	15.8	366 14	4.984	15.746	15.673	5.052		Semin	inole Electric Cooperative - Palatka (140536)	SJRWMD	1.915.2	2.123.8	1.954.8	1.783.9	2.328.3	0.00023	0.00765	2.078.3	2.229.6	2.355.6 2.4	415.7	2.477.4 2.540.7		Seminole Electric Cooperative - Palatka (140536)	SJRWMD	0.478	0.513	0.542	0.556	0.570 0	.584 15	.899 17	.056 18.0	20 18.480	18.952 19.436
-	+	Total		0.437	0.454	0.531 0.	449 0.410	16.4	122 14	4.984	15.746	15.673		+		Total		2,365.3	2,576.9	2,389.3	2,245.0	2,328.3	0.00019	0.00654	2,078.3	2,229.6	2,355.6 2,4	415.7	2,477.4 2,540.7		Total	1	0.478	0.513	0.542	0.556	0.570 0.	.584 15.	.899 17	.056 18.0	20 18.480	18.952 19.436
Suwannee	Duke Energ	gy - Etavile (219872)	SRWM	D 0.106	0.095	0.104 0.	025 0.004 025 0.155	3.0	002 3	2.995	2.686	1.129	9/9/20 email from Ili Balcom notes no ne groundwater demand 1.440 use historic average	Suwannee		e Energy - Ellaville (219872)	SRWMD	N/A N/A	N/A	N/A N/A	N/A N/A	N/A	N/A	N/A N/A	N/A N/A	N/A	N/A N/A	N/A	N/A N/A	Suwannee	Duke Energy - Ellaville (219872)	SRWMD	0.067	0.067	0.067	0.067	0.067 0. 0.067 0.	1.067 2	250 2	250 2.7	50 2.250	2.250 2.250
		SJRWMD Region 1 Total		7.391	7.333	6.437 6.	679 3.946	664.0	019 624	4.067	719.236	569.626 68	1.400	+		SJRWMD Region 1 Total					5,055.2	5,478.7		0.11972					6,107.3 6,443.3		SJRWMD Region 1 Total		6.041	6.235	6.494	6.942	7.419 7.	.933 669.	.907 688	3.863 717.9	02 771.774	829.443 891.441
		SRWMD NFRWSP Total NFRWSP Total		2.541	1.860	1.577 1.	525 1.634	3.0	002 2	2.995	2.686	1.129 570.755 68	1.440			SRWMD NFRWSP Total NFRWSP Total	_	338.4	348.3	354.1	345.9								363.2 378.1 6.470.5 6.821.4		SRWMD NFRWSP Total NFRWSP Total						1.920 1. 9.339 9.					
Notes:		MERCANOL (OTA)		9.932	0.193	0.014] 0.	204 5.560	667.0	221 02	7.002	141.044	070.700 60	2.040			NEWSP IOIAI		0,000.3	0,110.9	0,749.3	0,401.1	0,016.3	0.00141	U. 11290	0,307.9	0,012.0	0,000.0	141.0	0,470.0 0,021.4		NEWSP TOTAL		7.0/1	1.813	0.270	0./00	a.33a 9.	.040 6/2		113 /20.13	02 1/4.024	31.003 033.091

Table B-11. Public Supply and Domestic Self-supply and Domestic Self-supply and Small Public Supply 2015 Water Use, 5-in-10 Year Water Demand Projections for 2020-2045, and 1-in-10 Year Water Demand Projections for 2045, by County, in Region 1 of the St. Johns River Water Management District.

		201	5 Water Use		2020 Deman	nd Projections	(5-in-10)	2025 Deman	d Projections	(5-in-10)	2030 Deman	d Projections	(5-in-10)	2035 Demand	d Projections	(5-in-10)	2040 Deman	d Projections	(5-in-10)	2045 Deman				Change 2015			nd Projections	
County	District	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total	Public Supply	Domestic Self-Supply and Small Public Supply	Total
	SJRWMD	22.44	0.65	23.09	23.57	0.67	24.24	24.68	0.70	25.38		0.83	26.54	26.53	0.83	27.36			28.13	27.78	1.00	28.78	24%	54%	25%	29.45		
	SRWMD	2.35	1.51	3.86	2.68		4.42	2.71	1.82	4.53		1.69	4.56	3.04	1.70	4.74			4.78	3.13	1.00	4.78	33%	9%	24%	3.33		5.08
Alachua		24.79	2.16		26.25	2.41		27.39		29.91		2.52	31.10	29.57	2.53				32.91	30.91		33.56	25%	23%	25%	32.78		
	SJRWMD	0.92	2.07	2.99	0.95	2.10	3.38	0.99		3.55		2.64	3.70	1.08	2.73	3.81			3.90	1.09	2.90	3.99	18%	40%	33%	1.15		
	SRWMD	0.00	0.05		0.00	0.00	0.06	0.00		0.06	0.00	0.06	0.06	0.00	0.06	0.06	0.00		0.07	0.00		0.07	N/A	40%	40%	0.00		0.07
Baker T		0.92	2.12					0.99		3.61		20	3.76	1.08	2.79	3.87			3.97			4.06	18%	40%	34%	1.15		
	SJRWMD	0.04	0.13		0.01	0.21	0.22	0.01		0.26		0.27	0.28	0.01	0.27	0.28	0.01		0.29			0.31	-75%	131%	82%	0.01	0.32	
	SRWMD	0.94	0.62		1.04		1.61	1.05		1.61		0.56	1.63	1.08	0.56				1.64			1.65	18%	-13%	6%	1.17		1.70
Bradford		0.98	0.75		1.05		1.83	1.06		1.87		0.83	1.91	1.09	0.83	1.92			1.93			1.96	14%	12%	13%	1.18		
	SJRWMD	12.89	6.20		13.72	4.76	18.48	18.33		23.10		4.77	25.41	23.22	4.78	28.00	24.47		29.24			30.34	98%	-23%	59%	27.51		
	SRWMD	3.32	2.63		3.47	2.73	6.20	5.74	2.87	8.61	5.84	2.98	8.82	5.94	3.06	9.00	6.05		9.18	6.16		9.35	86%	21%	57%	6.53		
	SJRWMD	106.34	14.74		115.27	15.92	131.19	124.03	16.37	140.40	132.85	16.53	149.38	141.55	16.58	158.13	150.44	16.45	166.89	158.97	16.25	175.22	49%	10%	45%	168.51	17.23	185.74
	SJRWMD SRWMD	9.05	0.26 0.99		10.29	0.30	10.59	11.45	0.30	11.75		0.38		13.26	0.39		13.79		14.18	14.33		14.73	58% 27%	54%	58% 27%	15.18		15.60
	SRWMD	0.22	0.99		1.03	1.06	1.28 1.67	0.25		1.36 1.68		1.15	1.42	0.28 1.03	0.66	1.47	0.28 1.03		1.50	1.03		1.54 1.70	13%	27%	9%	0.30		1.64
	SJRWMD	6.92	1.11		7.03	0.01	9.34	8.05		9.77		1.85	10.09	8.24	2.03	10.27	8.26		1.69	8.26		1.70	13%	3% 105%	9% 31%	8.60		11.02
	SJRWMD	2.18	2.82		2.11	3.24	5.35	2.12		5.36		3.24	5.37	2.15	3.24	5.39	2.16		5.40	2.18		5.42	0%	15%	9%	2.31		
	SJRWMD	19.21	2.96		25.10	4.58	29.68	28.43	4.56	32.99		4.53	35.13	32.51	4.50	37.01	34.28		38.75	35.86		40.30	87%	50%	82%	36.20		
	SRWMD	1.32	2.22		1.45	2.34	3.79	1.61	2.48	4.09		2.58	4.31	1.79	2.66	4.45	1.84		4.57	1.87	2.80	4.67	42%	26%	32%	1.98		
Union	SRWMD	0.26	0.66		0.24	0.65	0.89	0.24	0.65	0.89		0.65	0.89	0.25	0.66	0.91			0.91	0.25	0.66	0.91	-4%	0%	-1%	0.27		0.97
SJRWMD Reg	ion 1 Total	179.99	30.94	210.93	198.87	33.60	232.47	218.09	34.47	252.56	233.69	35.04	268.73	248.55	35.35	283.90	261.73	35.47	297.20	274.05	35.58	309.63	52%	15%	47%	288.92	37.71	326.63
SRWMD NFR	WSP Total	9.32	9.33	18.65	10.13	9.79	19.92	12.63	10.20	22.83	13.05	10.33	23.38	13.41	10.55	23.96	13.64	10.70	24.34	13.83	10.84	24.67	48%	16%	32%	14.67	11.39	26.06
NFRWSP	Total	189.31	40.27	229.58	209.00	43.39	252.39	230.72	44.67	275.39	246.74	45.37	292.11	261.96	45.90	307.86	275.37	46.17	321.54	287.88	46.42	334.30	52%	15%	46%	303.59	49.10	352.69

Notes:

1.) All water use is shown in million gallons per day.
2.) Rounding errors account for nominal discrepancies.
3.) Water use for the Public Supply category includes groundwater, surface water, and water from the Other category.

Table B-12 (1 - Alachua County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use and by District in Alachua County for the North Florida Regional Water Supply Plan.

			Water Use												De	mand Proj	ections (5-ir	า-10)											Percent	Dema	and Projecti	ions (1-in-	10)
Category	District		2015			202	20			202	:5			203	0			203	5			204	0			20	045		Change		2045	5	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground S	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	22.44	0.00	22.44	23.57	0.00	0.00	23.57	24.68	0.00	0.00	24.68	25.71	0.00	0.00	25.71	26.53	0.00	0.00	26.53	27.23	0.00	0.00	27.23	27.78	0.00	0.00	27.78	24%	29.45	0.00	0.00	29.45
Public Supply	SRWMD	2.35	0.00	2.35	2.68	0.00	0.00	2.68	2.71	0.00	0.00	2.71	2.87	0.00	0.00	2.87	3.04	0.00	0.00	3.04	3.10	0.00	0.00	3.10	3.13	0.00	0.00	3.13	33%	3.33	0.00	0.00	3.33
Public Supply	Total	24.79	0.00	24.79	26.25	0.00	0.00	26.25	27.39	0.00	0.00	27.39	28.58	0.00	0.00	28.58	29.57	0.00	0.00	29.57	30.33	0.00	0.00	30.33	30.91	0.00	0.00	30.91	25%	32.78	0.00	0.00	32.78
Domestic Self-supply and Small Public Supply	SJRWMD	0.65	0.00	0.65	0.67	0.00	0.00	0.67	0.70	0.00	0.00	0.70	0.83	0.00	0.00	0.83	0.93	0.00	0.00	0.83	0.90	0.00	0.00	0.90	1.00	0.00	0.00	1.00	E40/	1.06	0.00	0.00	1.06
Domestic Self-supply and Small Public Supply	SJKWIVID	0.65	0.00	0.65	0.67	0.00	0.00	0.67	0.70	0.00	0.00	0.70	0.83	0.00	0.00	0.83	0.83	0.00	0.00	0.83	0.90	0.00	0.00	0.90	1.00	0.00	0.00	1.00	54%	1.06	0.00	0.00	1.06
Systems	SRWMD	1.51	0.00	1.51	1.74	0.00	0.00	1.74	1.82	0.00	0.00	1.82	1.69	0.00	0.00	1.69	1.70	0.00	0.00	1.70	1.68	0.00	0.00	1.68	1.65	0.00	0.00	1.65	9%	1.75	0.00	0.00	1.75
Domestic Self-supply and Small Public Supply																																	
Systems	Total	2.16	0.00	2.16	2.41	0.00	0.00	2.41	2.52	0.00	0.00	2.52	2.52	0.00	0.00	2.52	2.53	0.00	0.00	2.53	2.58	0.00	0.00	2.58	2.65	0.00	0.00	2.65	23%	2.81	0.00	0.00	2.81
3 113	SJRWMD	2.99	0.00	2.99	3.13	0.00	0.00	3.13	3.18	0.00	0.00	3.18	3.27	0.00	0.00	3.27	3.39	0.00	0.00	3.39	3.52	0.00	0.00	3.52	3.56	0.00	0.00	3.56	19%	5.44	0.00	0.00	5.44
Agricultural Irrigation Self-supply	SRWMD	12.22	0.00	12.22	11.25	0.00	0.00	11.25	11.45	0.00	0.00	11.45	11.54	0.00	0.00	11.54	11.79	0.00	0.00	11.79	11.97	0.00	0.00	11.97	12.24	0.00	0.00	12.24	0%	15.72	0.00	0.00	15.72
Agricultural Irrigation Self-supply	Total	15.21	0.00	15.21	14.38	0.00	0.00	14.38	14.63	0.00	0.00	14.63	14.81	0.00	0.00	14.81	15.18	0.00	0.00	15.18	15.49	0.00	0.00	15.49	15.80	0.00	0.00	15.80	4%	21.16	0.00	0.00	21.16
Landscape / Recreational Self-supply	SJRWMD	0.19	0.08	0.27	0.20	0.08	0.00	0.28	0.20	0.09	0.00	0.29	0.21	0.09	0.00	0.30	0.22	0.09	0.00	0.31	0.23	0.09	0.00	0.32	0.23	0.10	0.00	0.33	22%	0.39	0.17	0.00	0.56
Landscape / Recreational Self-supply	SRWMD	1.04	0.00	1.04	1.18	0.00	0.00	1.18	1.21	0.00	0.00	1.21	1.20	0.00	0.00	1.20	1.23	0.00	0.00	1.23	1.23	0.00	0.00	1.23	1.22	0.00	0.00	1.22	17%	1.23	0.00	0.00	1.23
Landscape / Recreational Self-supply	Total	1.23	0.08	1.31	1.38	0.08	0.00	1.46	1.41	0.09	0.00	1.50	1.41	0.09	0.00	1.50	1.45	0.09	0.00	1.54	1.46	0.09	0.00	1.55	1.45	0.10	0.00	1.55	18%	1.62	0.17	0.00	1.79
Commercial / Industrial / Institutional Self-supply	SJRWMD	0.11	0.00	0.11	0.12	0.00	0.00	0.12	0.13	0.00	0.00	0.13	0.14	0.00	0.00	0.14	0.15	0.00	0.00	0.15	0.16	0.00	0.00	0.16	0.17	0.00	0.00	0.17	55%	0.17	0.00	0.00	0.17
Commercial / Industrial / Institutional Self-supply	SRWMD	0.36	0.00	0.36	0.41	0.00	0.00	0.41	0.42	0.00	0.00	0.42	0.42	0.00	0.00	0.42	0.43	0.00	0.00	0.43	0.43	0.00	0.00	0.43	0.43	0.00	0.00	0.43	19%	0.43	0.00	0.00	0.43
Commercial / Industrial / Institutional Self- supply	Total	0.47	0.00	0.47	0.53	0.00	0.00	0.53	0.55	0.00	0.00	0.55	0.56	0.00	0.00	0.56	0.58	0.00	0.00	0.58	0.59	0.00	0.00	0.59	0.60	0.00	0.00	0.60	28%	0.60	0.00	0.00	0.60
	SJRWMD	0.51	0.00	0.51	0.53	0.00	0.00	0.53	0.55	0.00	0.00	0.55	0.56	0.00	0.00	0.56	0.59	0.00	0.00	0.59	0.61	0.00	0.00	0.61	0.63	0.00	0.00	0.63	24%	0.63	0.00	0.00	0.63
Power Generation Self-supply	SRWMD	1.77	0.00	1.77	1.76	0.00	0.00	1.76	1.67	0.00	0.00	1.67	1.71	0.00	0.00	1.71	1.78	0.00	0.00	1.78	1.86	0.00	0.00	1.86	1.93	0.00	0.00	1.93	9%	1.93	0.00	0.00	1.93
Power Generation Self-supply	Total	2.28	0.00	2.28	2.29	0.00	0.00	2.29	2.22	0.00	0.00	2.22	2.27	0.00	0.00	2.27	2.37	0.00	0.00	2.37	2.47	0.00	0.00	2.47	2.56	0.00	0.00	2.56	12%	2.56	0.00	0.00	2.56
Alachua County Total	SJRWMD	26.89			28.22	0.08	0.00	28.30	29.44	0.09	0.00	29.53	30.72	0.09	0.00		31.71	0.09	0.00	31.80	32.65	0.09	0.00	32.74	33.37	0.10	0.00	33.47	24%	37.14	0.17	0.00	37.31
	SRWMD	19.25		19.25	19.02	0.00	0.00	19.02	19.28	0.00	0.00	19.28	19.43	0.00	0.00	19.43	19.97	0.00	0.00	19.97	20.27	0.00	0.00	20.27	20.60	0.00	0.00	20.60	7%	24.39	0.00	0.00	
Alachua County Total	•	46.14	0.08	46.22	47.24	0.08	0.00	47.32	48.72	0.09	0.00	48.81	50.15	0.09	0.00	50.24	51.68	0.09	0.00	51.77	52.92	0.09	0.00	53.01	53.97	0.10	0.00	54.07	17%	61.53	0.17	0.00	61.70

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (2 - Baker County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use and by District in Baker County for the North Florida Regional Water Supply Plan.

			Water Use												De	nand Proje	ctions (5-in	1-10)											Percent	Dem	and Projecti	ions (1-in-	10)
Category	District		2015			202	0			202	5			203	0			203	35			204	0			2	045		Change		2045	5	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	0.92	0.00	0.92	0.95	0.00	0.00	0.95	0.99	0.00	0.00	0.99	1.06	0.00	0.00	1.06	1.08	0.00	0.00	1.08	1.09	0.00	0.00	1.09	1.09	0.00	0.00	1.09	18%	1.15	0.00	0.00	1.15
Public Supply	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Public Supply	Total	0.92	0.00	0.92	0.95	0.00	0.00	0.95	0.99	0.00	0.00	0.99	1.06	0.00	0.00	1.06	1.08	0.00	0.00	1.08	1.09	0.00	0.00	1.09	1.09	0.00	0.00	1.09	18%	1.15	0.00	0.00	1.15
Domestic Self-supply and Small Public Supply																																	
,	SJRWMD	2.07	0.00	2.07	2.43	0.00	0.00	2.43	2.56	0.00	0.00	2.56	2.64	0.00	0.00	2.64	2.73	0.00	0.00	2.73	2.81	0.00	0.00	2.81	2.90	0.00	0.00	2.90	40%	3.07	0.00	0.00	3.07
Domestic Self-supply and Small Public Supply	SRWMD																																
,	SKWMD	0.05	0.00	0.05	0.06	0.00	0.00	0.06	0.06	0.00	0.00	0.06	0.06	0.00	0.00	0.06	0.06	0.00	0.00	0.06	0.07	0.00	0.00	0.07	0.07	0.00	0.00	0.07	40%	0.07	0.00	0.00	0.07
Domestic Self-supply and Small Public Supply Systems	Total	2.12	0.00	2 12	2.40	0.00	0.00	2.49	2.62	0.00	0.00	2.62	2.70	0.00	0.00	2 70	2 70	0.00	0.00	2 70	2.88	0.00	0.00	2.88	2.97	0.00	0.00	2.97	40%	3.14	0.00	0.00	2.1/
-	SJRWMD	0.36	0.00	2.12	0.28		0.00				0.00	0.44		0.00	0.00	0.45	0.29	0.00	0.00	0.45	0.30	0.00		0.47				0.47	-16%			0.00	0.55
0 117	SRWMD	0.36	0.20	0.56	0.28		0.00	0.43	0.28	0.16	0.00	0.44	0.29	0.16	0.00	0.45	0.29	0.16	0.00	0.45	0.30	0.17	0.00	0.47	0.30	0.17		0.47	-16% N/A	0.35	0.20	0.00	0.55
5	Total			0.00	0.00	****	0.00				0.00								0.00								0.00		,			0.00	0.00
		0.36			0.28		0.00	0.43	0.28	0.16	0.00	0.44	0.29	0.16	0.00	0.45	0.29	0.16	0.00	0.45	0.30	0.17	0.00	0.47	0.30	0.17		0.47	-16%	0.35	0.20	0.00	
11.2	SJRWMD SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	N/A	0.00	0.00	0.00	0.00
112		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	N/A	0.00	0.00	0.00	0.00
	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		0.00	N/A	0.00	0.00	0.00	0.00
	SJRWMD	0.15	0.27	V	0.15	0.20	0.00	0.43	0.16	0.29	0.00	0.45	0.1.	0.30	0.00	0.47	0.17	0.31	0.00	0.48	0.17	0.32	0.00	0.49	0.18	0.32	0.00	0.50	19%	0.18	0.32	0.00	0.50
Commercial / Industrial / Institutional Self-supply	SRWMD	0.21	0.00	0.21	0.22	0.00	0.00	0.22	0.23	0.00	0.00	0.23	0.24	0.00	0.00	0.24	0.25	0.00	0.00	0.25	0.26	0.00	0.00	0.26	0.27	0.00	0.00	0.27	29%	0.27	0.00	0.00	0.27
Commercial / Industrial / Institutional Self- supply	Total	0.36	0.27	0.63	0.37	0.28	0.00	0.65	0.39	0.29	0.00	0.68	0.41	0.30	0.00	0.71	0.42	0.31	0.00	0.73	0.43	0.32	0.00	0.75	0.45	0.32	0.00	0.77	22%	0.45	0.32	0.00	0.77
Power Generation Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Power Generation Self-supply	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Power Generation Self-supply	Total	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Baker County Total	SJRWMD	3.50		3.97	3.81		0.00	4.24	3.99	0.45	0.00	4.44	4.16	0.46	0.00	4.62	4.27	0.47	0.00	4.74	4.37	0.49	0.00	4.86	4.47	0.49	0.00	4.96	25%	4.75	0.52	0.00	5.27
Baker County Total	SRWMD	0.26	0.00	0.26	0.28		0.00	0.28	0.29	0.00	0.00	0.29	0.30	0.00	0.00	0.30	0.31	0.00	0.00	0.31	0.33	0.00	0.00	0.33	0.34	0.00	0.00	0.34	31%	0.34	0.00	0.00	
Baker County Total	I .	3.76	0.47	4.23	4.09	0.43	0.00	4.52	4.28	0.45	0.00	4.73	4.46	0.46	0.00	4.92	4.58	0.47	0.00	5.05	4.70	0.49	0.00	5.19	4.81	0.49	0.00	5.30	25%	5.09	0.52	0.00	5.61

- All water use is shown in million gallons per day.
- Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (3 - Bradford County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use and by District in Bradford County for the North Florida Regional Water Supply Plan.

			Water Use												De	emand Proj	ections (5-ir	า-10)											Percent	Den	nand Project	tions (1-in-	10)
Category	District		2015			202	0			202	5			20	30			203	5			204	0			2	045		Change		204	15	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	0.04	0.00	0.04	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	0.01	0.00	0.00	0.01	-75%	0.01	0.00	0.00	0.01
Public Supply	SRWMD	0.94	0.00	0.94	1.04	0.00	0.00	1.04	1.05	0.00	0.00	1.05	1.07	0.00	0.00	1.07	1.08	0.00	0.00	1.08	1.09	0.00	0.00	1.09	1.11	0.00	0.00	1.11	18%	1.17	0.00	0.00	1.17
Public Supply	Total	0.98	0.00	0.98	1.05	0.00	0.00	1.05	1.06	0.00	0.00	1.06	1.08	0.00	0.00	1.08	1.09	0.00	0.00	1.09	1.10	0.00	0.00	1.10	1.12	0.00	0.00	1.12	14%	1.18	0.00	0.00	1.18
Domestic Self-supply and Small Public Supply	0.1514445																																
Systems Domestic Self-supply and Small Public Supply	SJRWMD	0.13	0.00	0.13	0.21	0.00	0.00	0.21	0.25	0.00	0.00	0.25	0.27	0.00	0.00	0.27	0.27	0.00	0.00	0.27	0.28	0.00	0.00	0.28	0.30	0.00	0.00	0.30	131%	0.32	0.00	0.00	0.32
	SRWMD	0.62	0.00	0.62	0.57	0.00	0.00	0.57	0.56	0.00	0.00	0.56	0.56	0.00	0.00	0.56	0.56	0.00	0.00	0.56	0.55	0.00	0.00	0.55	0.54	0.00	0.00	0.54	-13%	0.53	0.00	0.00	0.53
Domestic Self-supply and Small Public Supply					1	1 1															1						1						
	Total	0.75	0.00	0.75	0.78	0.00	0.00	0.78	0.81	0.00	0.00	0.81	0.83	0.00	0.00	0.83	0.83	0.00	0.00	0.83	0.83	0.00	0.00	0.83	0.84	0.00	0.00	0.84	12%	0.85	0.00	0.00	0.85
Agricultural Irrigation Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Agricultural Irrigation Self-supply	SRWMD	1.82	0.00	1.82	1.89	0.00	0.00	1.89	1.87	0.00	0.00	1.87	1.85	0.00	0.00	1.85	1.88	0.00	0.00	1.88	1.87	0.00	0.00	1.87	1.86	0.00	0.00	1.86	2%	2.38	0.00	0.00	2.38
Agricultural Irrigation Self-supply	Total	1.82	0.00	1.82	1.89	0.00	0.00	1.89	1.87	0.00	0.00	1.87	1.85	0.00	0.00	1.85	1.88	0.00	0.00	1.88	1.87	0.00	0.00	1.87	1.86	0.00	0.00	1.86	2%	2.38	0.00	0.00	2.38
Landscape / Recreational Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Landscape / Recreational Self-supply	SRWMD	0.30	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0%	0.35	0.00	0.00	0.35
Landscape / Recreational Self-supply	Total	0.30	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0%	0.35	0.00	0.00	0.35
Commercial / Industrial / Institutional Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Commercial / Industrial / Institutional Self-supply	SRWMD	1.04	0.00	1.04	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.07	0.00	0.00	1.07	1.07	0.00	0.00	1.07	1.05	0.00	0.00	1.05	1%	1.05	0.00	0.00	1.05
Commercial / Industrial / Institutional Self- supply	Total	1.04	0.00	1 04	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1.06	0.00	0.00	1.06	1 07	0.00	0.00	1 07	1.07	0.00	0.00	1.07	1.05	0.00	0.00	1.05	1%	1.05	0.00	0.00	1.05
	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
,	SRWMD	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Power Generation Self-supply	Total	0.00		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00		0.00
	SJRWMD	0.00			0.00		0.00	0.22	0.26	0.00	0.00	0.26	0.00		0.00	0.28	0.00	0.00	0.00	0.28	0.29	0.00	0.00	0.29	0.31	0.00	0.00	0.31	82%	0.33	0.00	0.00	0.33
,	SRWMD	4.72			4.86		0.00	4.86	4.84	0.00	0.00	4.84	4.84		0.00	0.20	4.89	0.00	0.00	4.89	4.88	0.00	0.00	4.88	4.86	0.00		4.86	3%	5.48	0.00		
Bradford County Total		4.89		4.89	5.08		0.00	5.08	5.10	0.00	0.00	5.10	5.12		0.00	5.12	5.17	0.00	0.00	5.17	5.17	0.00	0.00	5.17	5.17	0.00	0.00	5.17	6%	5.81	0.00		

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (4 - Clay County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Clay County in the St. Johns River Water Management District for the North Florida Regional Water Supply Plan.

			Water Use												De	mand Proj	ections (5-i	n-10)											Percent	Der	nand Projec	tions (1-in	-10)
Category	District		2015			20	20			202	5			203	0			20	35			20	140			2	045		Change		204	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	12.89	0.00	12.89	13.72	0.00	0.00	13.72	18.33	0.00	0.00	18.33	20.64	0.00	0.00	20.64	23.22	0.00	0.00	23.22	24.47	0.00	0.00	24.47	25.57	0.00	0.00	25.57	98%	26.10	0.00	1.41	27.51
Domestic Self-supply and Small Public Supply																																	$\overline{}$
Systems	SJRWMD	6.20	0.00	6.20	4.76	0.00	0.00	4.76	4.77	0.00	0.00	4.77	4.77	0.00	0.00	4.77	4.78	0.00	0.00	4.78	4.77	0.00	0.00	4.77	4.77	0.00	0.00	4.77	-23%	5.06	0.00	0.00	5.06
Agricultural Irrigation Self-supply	SJRWMD	1.10	0.13	1.23	1.23	0.14	0.00	1.37	1.23	0.15	0.00	1.38	1.23	0.15	0.00	1.38	1.24	0.15	0.00	1.39	1.26	0.15	0.00	1.41	1.28	0.15	0.00	1.43	16%	1.54	0.18	0.00	1.72
Landscape / Recreational Self-supply	SJRWMD	0.21	0.20	0.41	0.44	0.22	0.00	0.66	0.59	0.26	0.00	0.85	0.67	0.30	0.00	0.97	0.75	0.35	0.00	1.10	0.80	0.37	0.00	1.17	0.83	0.40	0.00	1.23	200%	1.37	0.83	0.00	1.70
Commercial / Industrial / Institutional Self-supply	SJRWMD	0.31	0.00	0.31	0.33	0.00	0.00	0.33	0.36	0.00	0.00	0.36	0.39	0.00	0.00	0.39	0.42	0.00	0.00	0.42	0.44	0.00	0.00	0.44	0.46	0.00	0.00	0.46	48%	0.46	0.00	0.00	0.46
Power Generation Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Clay County Total		20.71	0.33	21.04	20.48	0.36	0.00	20.84	25.28	0.41	0.00	25.69	27.70	0.45	0.00	28.15	30.41	0.50	0.00	30.91	31.74	0.52	0.00	32.26	32.91	0.55	0.00	33.46	59%	34.53	1.01	1.41	36.45

Notes:

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (5 - Columbia County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Columbia County in the Suwannee River Water Management District for the North Florida Regional Water Supply Plan.

		1	Nater Use												De	mand Proj	ections (5-i	n-10)											Percent	Dem	and Projec	ctions (1-in-	-10)
Category	District		2015			20	20			202	25			203	0			203	5			20	40			2	045		Change		204	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
ublic Supply	SRWMD	3.32	0.00	3.32	3.47	0.00	0.00	3.47	5.74	0.00	0.00	5.74	5.84	0.00	0.00	5.84	5.94	0.00	0.00	5.94	6.05	0.00	0.00	6.05	6.16	0.00	0.00	6.16	86%	6.53	0.00	0.00	6.5
omestic Self-supply and Small Public Supply																																	1
ystems	SRWMD	2.63	0.00	2.63	2.73	0.00	0.00	2.73	2.87	0.00	0.00	2.87	2.98	0.00	0.00	2.98	3.06	0.00	0.00	3.06	3.13	0.00	0.00	3.13	3.19	0.00	0.00	3.19	21%	3.33	0.00	0.00	3.3
gricultural Irrigation Self-supply	SRWMD	4.66	0.00	4.66	4.34	0.00	0.00	4.34	5.47	0.00	0.00	5.47	6.41	0.00	0.00	6.41	7.35	0.00	0.00	7.35	8.49	0.00	0.00	8.49	9.64	0.00	0.00	9.64	107%	12.22	0.00	0.00	12.22
andscape / Recreational Self-supply	SRWMD	0.73	0.00	0.73	0.76	0.00	0.00	0.76	0.79	0.00	0.00	0.79	0.82	0.00	0.00	0.82	0.84	0.00	0.00	0.84	0.86	0.00	0.00	0.86	0.88	0.00	0.00	0.88	21%	0.91	0.00	0.00	0.9
Commercial / Industrial / Institutional Self-supply	SRWMD	0.41	0.00	0.41	0.42	0.00	0.00	0.42	0.44	0.00	0.00	0.44	0.46	0.00	0.00	0.46	0.47	0.00	0.00	0.47	0.48	0.00	0.00	0.48	0.49	0.00	0.00	0.49	20%	0.49	0.00	0.00	0.4
ower Generation Self-supply	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.0
Columbia County Total		11.75	0.00	11.75	11.72	0.00	0.00	11.72	15.31	0.00	0.00	15.31	16.51	0.00	0.00	16.51	17.66	0.00	0.00	17.66	19.01	0.00	0.00	19.01	20.36	0.00	0.00	20.36	73%	23.48	0.00	0.00	23.4

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (6 - Duval County), Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Duval County in the St. Johns River Water Management District for the North Florida Regional Water Supply Plan.

		Water Use												D	emand Proj	ections (5-ir	1-10)											Percent	Dema	nd Project	tions (1-in-	-10)
District		2015			2020)			202	25			20	30			20:	35			20	40			2	045		Change		204	5	
	Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
SJRWMD	106.34	0.00	106.34	115.27	0.00	0.00	115.27	124.03	0.00	0.00	124.03	132.85	0.00	0.00	132.85	140.04	0.00	1.51	141.55	140.37	0.00	10.07	150.44	140.37	0.00	18.60	158.97	49%	168.51	0.00	27.68	168.51
SJRWMD	14.74	0.00	14.74	15.92	0.00	0.00	15.92	16.37	0.00	0.00	16.37	16.53	0.00	0.00	16.53	16.58	0.00	0.00	16.58	16.45	0.00	0.00	16.45	16.25	0.00	0.00	16.25	10%	17.23	0.00	0.00	17.23
SJRWMD	0.10	1.66	1.76	0.46	1.14	0.00	1.60	0.46	1.15	0.00	1.61	0.46	1.16	0.00	1.62	0.46	1.15	0.00	1.61	0.46	1.16	0.00	1.62	0.46	1.15	0.00	1.61	-9%	0.11	1.83	0.00	1.94
SJRWMD	1.64	3.19	4.83	1.94	3.77	0.00	5.71	2.02	3.92	0.00	5.94	2.09	4.07	0.00	6.16	2.16	4.21	0.00	6.37	2.23	4.35	0.00	6.58	2.30	4.47	0.00	6.77	40%	3.17	6.17	0.00	9.34
SJRWMD	14.16	0.79	14.95	16.65	0.93	0.00	17.58	17.30	0.97	0.00	18.27	17.93	1.00	0.00	18.93	18.53	1.03	0.00	19.56	19.12	1.07	0.00	20.19	19.65	1.10	0.00	20.75	39%	19.65	1.10	0.00	20.75
SJRWMD	6.37	12.18	18.55	5.04	13.08	0.00	18.12	5.18	13.44	0.00	18.62	5.40	13.99	0.00	19.39	5.80	15.07	0.00	20.87	6.25	16.21	0.00	22.46	6.72	17.44	0.00	24.16	30%	6.72	17.44	0.00	24.16
•	143.35	17.82	161.17	155.28	18.92	0.00	174.20	165.36	19.48	0.00	184.84	175.26	20.22	0.00	195.48	183.57	21.46	1.51	206.54	184.88	22.79	10.07	217.74	185.75	24.16	18.60	228.51	42%	215.39	26.54	27.68	241.93
	SJRWMD SJRWMD SJRWMD SJRWMD	District Ground SJRWMD 106.34 SJRWMD 14.74 SJRWMD 0.10 SJRWMD 1.64 SJRWMD 14.16 SJRWMD 6.37	Ground Surface SJRWMD 106.34 0.00 SJRWMD 14.74 0.00 SJRWMD 0.10 1.66 SJRWMD 1.64 3.19 SJRWMD 14.16 0.79 SJRWMD 6.37 12.18	District 2015 Ground Surface Total SJRWMD 106.34 0.00 106.34 SJRWMD 14.74 0.00 14.74 SJRWMD 0.10 1.66 1.76 SJRWMD 1.64 3.19 4.83 SJRWMD 14.16 0.79 14.95 SJRWMD 6.37 12.18 18.55	District 2015 Ground Surface Total Ground SJRWMD 106.34 0.00 106.34 115.27 SJRWMD 14.74 0.00 14.74 15.92 SJRWMD 0.10 1.66 1.76 0.46 SJRWMD 1.64 3.19 4.83 1.94 SJRWMD 14.16 0.79 14.95 16.65 SJRWMD 6.37 12.18 18.55 5.04	District 2015 2020 Ground Surface Total Ground Surface SJRWMD 106.34 0.00 106.34 115.27 0.00 SJRWMD 14.74 0.00 14.74 15.92 0.00 SJRWMD 0.10 1.66 1.76 0.46 1.14 SJRWMD 1.64 3.19 4.83 1.94 3.77 SJRWMD 14.16 0.79 14.95 16.65 0.93 SJRWMD 6.37 12.18 18.55 5.04 13.08	District 2015 2020 Ground Surface Total Ground Surface Other SJRWMD 106.34 0.00 106.34 115.27 0.00 0.00 SJRWMD 14.74 0.00 14.74 15.92 0.00 0.00 SJRWMD 0.10 1.66 1.76 0.46 1.14 0.00 SJRWMD 1.64 3.19 4.83 1.94 3.77 0.00 SJRWMD 14.16 0.79 14.95 16.65 0.93 0.00 SJRWMD 6.37 12.18 18.55 5.04 13.08 0.00	District Count Surface Total Ground Surface Other Total	District Count Surface Total Ground Surface Other Total Ground	District 2015 Cround Surface Total Ground Surface Other Total Ground Surface SJRWMD 106.34 0.00 106.34 115.27 0.00 0.00 115.27 124.03 0.00 SJRWMD 14.74 0.00 14.74 15.92 0.00 0.00 15.92 16.37 0.00 SJRWMD 0.10 1.66 1.76 0.46 1.14 0.00 1.60 0.46 1.15 SJRWMD 1.64 3.19 4.83 1.94 3.77 0.00 5.71 2.02 3.92 SJRWMD 14.16 0.79 14.95 16.65 0.93 0.00 17.58 17.30 0.97 SJRWMD 6.37 12.18 18.55 5.04 13.08 0.00 18.12 5.18 13.44	District 2015 Cround Surface Total Ground Surface Other Total Ground Surface Other SJRWMD 106.34 0.00 106.34 115.27 0.00 0.00 115.27 124.03 0.00 0.00 SJRWMD 14.74 0.00 14.74 15.92 0.00 0.00 15.92 16.37 0.00 0.00 SJRWMD 0.10 1.66 1.76 0.46 1.14 0.00 1.60 0.46 1.15 0.00 SJRWMD 1.64 3.19 4.83 1.94 3.77 0.00 5.71 2.02 3.92 0.00 SJRWMD 14.16 0.79 14.95 16.65 0.93 0.00 17.58 17.30 0.97 0.00 SJRWMD 6.37 12.18 18.55 5.04 13.08 0.00 18.12 5.18 13.44 0.00	District 2015 2020 Cond Surface Total Ground Surface Other Total Ground Surface Other Total Ground Surface Other Total Ground Surface Other Total Total Surface Other Total SJRWMD 106.34 0.00 106.34 115.27 0.00 0.00 115.27 124.03 0.00 0.00 124.03 SJRWMD 14.74 0.00 14.74 15.92 0.00 0.00 15.92 16.37 0.00 0.00 16.37 SJRWMD 0.10 1.66 1.76 0.46 1.14 0.00 1.60 0.46 1.15 0.00 1.61 SJRWMD 1.64 3.19 4.83 1.94 3.77 0.00 5.71 2.02 3.92 0.00 5.94 SJRWMD 14.16 0.79 14.95 16.65 0.93 0.00 17.58 17.30 0.97 0.00<	District Surance Column District 2015 Found Surface Total Ground Surface Other Total Ground Surface Surface Surface Other Total Ground Surface Surface Surface Other Total Ground Surface Surface Other Total Ground Surface Other District Count Surface Total Ground Surface Other Total Ground Other Other Total Ground Other Ot	District 2015 Cound Surface Total Ground Surface Other Total Ground Gr	District 2015 Formula Surface Total Ground Surface Other District Count Surface Total Ground Surface Total Ground Surface Other Total Ground Other District Found Surface Total Ground Surface Total Ground Surface Other Surface Other Total Ground Ground Ground Ground Ground Ground Ground Ground	District Found Surface Total Ground Surface Other Total Ground District Figure District District Figure District Figure District Figure District Figure District Figure District Figure District Figure District	District District	District District	District District													

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (7 - Fladler County), Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Flagler County in the St. Johns River Water Management District for the North Florida Regional Water Supply Plan.

			Water Use												De	emand Pro	jections (5-i	n-10)											Percent	Dema	nd Projec	tions (1-in-	10)
Category	District		2015			2020				20	25			20	30			20	35			20	040			2	045		Change		204	.5	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
ublic Supply	SJRWMD	8.98	0.07	9.05	10.26	0.03	0.00	10.29	11.42	0.03	0.00	11.45	12.42	0.03	0.00	12.45	13.23	0.03	0.00	13.26	13.76	0.03	0.00	13.79	14.30	0.03	0.00	14.33	58%	15.15	0.03	0.00	15.
omestic Self-supply and Small Public Supply vstems	SJRWMD	0.26	0.00	0.26	0.30	0.00	0.00	0.30	0.30	0.00	0.00	0.30	0.38	0.00	0.00	0.38	0.39	0.00	0.00	0.39	0.39	0.00	0.00	0.39	0.40	0.00	0.00	0.40	54%	0.42	0.00	0.00	0
gricultural Irrigation Self-supply	SJRWMD	6.45	0.41	6.86	10.56	0.67	0.00	11.23	10.47	0.67	0.00	11.14	10.34	0.66	0.00	11.00	10.32	0.66	0.00	10.98	10.20	0.65	0.00		10.13	0.64	0.00	10.77	57%	14.24	0.90	0.00	15.
indscape / Recreational Self-supply	SJRWMD	0.43	1.41	1.84	0.48	1.59	0.00	2.07	0.54	1.75	0.00	2.29	0.58	1.90	0.00	2.48	0.61	2.02	0.00	2.63	0.64	2.09	0.00	2.73	0.66	2.15	0.00	2.81	53%	0.76	2.50	0.00	3.
ommercial / Industrial / Institutional Self-supply	SJRWMD	0.26	0.00	0.26	0.27	0.00	0.00	0.27	0.28	0.00	0.00	0.28	0.29	0.00	0.00	0.29	0.30	0.00	0.00	0.30	0.31	0.00	0.00	0.31	0.31	0.00	0.00	0.31	19%	0.31	0.00	0.00	0.
wer Generation Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.
Flagler County Total		16.38	1.89	18.27	21.87	2.29	0.00	24.16	23.01	2.45	0.00	25.46	24.01	2.59	0.00	26.60	24.85	2.71	0.00	27.56	25.30	2.77	0.00	28.07	25.80	2.82	0.00	28.62	57%	30.88	3.43	0.00	34

Notes:

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (8 - Gilchrist County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Gilchrist County in the Suwannee River Water Management District for the North Florida Regional Water Supply Plan.

		,	Water Use												De	mand Proj	ections (5-i	n-10)											Percent	Dem	and Projec	tions (1-in-	10)
Category	District		2015			20:	20			20:	25			203	0			203	5			20	40			2	045		Change		204	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SRWMD	0.22	0.00	0.22	0.22	0.00	0.00	0.22	0.25	0.00	0.00	0.25	0.27	0.00	0.00	0.27	0.28	0.00	0.00	0.28	0.28	0.00	0.00	0.28	0.28	0.00	0.00	0.28	27%	0.30	0.00	0.00	0.30
Domestic Self-supply and Small Public Supply																																	
Systems	SRWMD	0.99	0.00	0.99	1.06	0.00	0.00	1.06	1.11	0.00	0.00	1.11	1.15	0.00	0.00	1.15	1.19	0.00	0.00	1.19	1.22	0.00	0.00	1.22	1.26	0.00	0.00	1.26	27%	1.34	0.00	0.00	1.34
Agricultural Irrigation Self-supply	SRWMD	19.01	0.00	19.01	19.00	0.00	0.00	19.00	19.65	0.00	0.00	19.65	20.30	0.00	0.00	20.30	21.06	0.00	0.00	21.06	21.78	0.00	0.00	21.78	22.57	0.00	0.00	22.57	19%	28.32	0.00	0.00	28.32
Landscape / Recreational Self-supply	SRWMD	0.16	0.00	0.16	0.17	0.00	0.00	0.17	0.18	0.00	0.00	0.18	0.19	0.00	0.00	0.19	0.20	0.00	0.00	0.20	0.21	0.00	0.00	0.21	0.22	0.00	0.00	0.22	38%	0.23	0.00	0.00	0.23
Commercial / Industrial / Institutional Self-supply	SRWMD	0.38	0.00	0.38	0.41	0.00	0.00	0.41	0.43	0.00	0.00	0.43	0.45	0.00	0.00	0.45	0.47	0.00	0.00	0.47	0.48	0.00	0.00	0.48	0.49	0.00	0.00	0.49	29%	0.49	0.00	0.00	0.49
Power Generation Self-supply	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Gilchrist County Total		20.76	0.00	20.76	20.86	0.00	0.00	20.86	21.62	0.00	0.00	21.62	22.36	0.00	0.00	22.36	23.20	0.00	0.00	23.20	23.97	0.00	0.00	23.97	24.82	0.00	0.00	24.82	20%	30.68	0.00	0.00	30.68

- Notes:

 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (9 - Hamilton County), Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Hamilton County in the Suwannee River Water Management District for the North Florida Regional Water Supply Plan.

			Water Use												De	emand Proj	ections (5-	in-10)											Percent	De	nand Projec	tions (1-in;	-10)
Category	District		2015			20:	20			20	25			20	30			20	35			20	40			2	045		Change		204	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SRWMD	0.91	0.00	0.91	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	1.03	0.00	0.00	1.03	13%	1.09	0.00	0.00	1
Domestic Self-supply and Small Public Supply																																	
Systems	SRWMD	0.65	0.00	0.65	0.64	0.00	0.00	0.64	0.65	0.00	0.00	0.65	0.66	0.00	0.00	0.66	0.66	0.00	0.00	0.66	0.66	0.00	0.00	0.66	0.67	0.00	0.00	0.67	3%	0.71	0.00	0.00	0.
Agricultural Irrigation Self-supply	SRWMD	16.10	0.00	16.10	13.95	0.00	0.00	13.95	14.69	0.00	0.00	14.69	15.36	0.00	0.00	15.36	16.10	0.00	0.00	16.10	16.86	0.00	0.00	16.86	17.55	0.00	0.00	17.55	9%	22.45	0.00	0.00	22.
andscape / Recreational Self-supply	SRWMD	0.10	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0%	0.17	0.00	0.00	0.
Commercial / Industrial / Institutional Self-supply	SRWMD	22.93	17.19	40.12	22.93	17.19	0.00	40.12	22.93	17.19	0.00	40.12	22.93	17.19	0.00	40.12	22.93	17.19	0.00	40.12	22.93	17.19	0.00	40.12	22.93	17.19	0.00	40.12	0%	22.93	17.19	0.00	40.
Power Generation Self-supply	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.
Hamilton County Total		40.69	17.19	57.88	38.65	17.19	0.00	55.84	39.40	17.19	0.00	56.59	40.08	17.19	0.00	57.27	40.82	17.19	0.00	58.01	41.58	17.19	0.00	58.77	42.28	17.19	0.00	59.47	3%	47.35	17.19	0.00	64.

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (10 - Nassau County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Nassau County in the St. Johns River Water Management District for the North Florida Regional Water Supply Plan.

_			Water Use												D	mand Proj	ections (5-i	n-10)											Percent	Den	nand Proje	ctions (1-ir	n-10)
Category	District		2015			20	20			20:	25			20	30			20	35			20	40			2	2045		Change		20	045	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	6.92	0.00	6.92	7.85	0.00	0.00	7.85	8.05	0.00	0.00	8.05	8.24	0.00	0.00	8.24	8.24	0.00	0.00	8.24	8.26	0.00	0.00	8.26	8.26	0.00	0.00	8.26	19%	8.60	0.00	0.00	8.60
Domestic Self-supply and Small Public Supply																																	1
Systems	SJRWMD	1.11	0.00	1.11	1.49	0.00	0.00	1.49	1.72	0.00	0.00	1.72	1.85	0.00	0.00	1.85	2.03	0.00	0.00	2.03	2.16	0.00	0.00	2.16	2.28	0.00	0.00	2.28	105%	2.42	0.00	0.00	2.42
Agricultural Irrigation Self-supply	SJRWMD	0.67	0.00	0.67	0.95	0.00	0.00	0.95	0.97	0.00	0.00	0.97	0.97	0.00	0.00	0.97	0.98	0.00	0.00	0.98	0.98	0.00	0.00	0.98	0.99	0.00	0.00	0.99	48%	1.29	0.00	0.00	1.2
andscape / Recreational Self-supply	SJRWMD	0.86	1.64	2.50	0.76	1.46	0.00	2.22	0.87	1.67	0.00	2.54	0.98	1.87	0.00	2.85	1.07	2.03	0.00	3.10	1.15	2.20	0.00	3.35	1.23	2.36	0.00	3.59	44%	1.51	2.87	0.00	4.38
Commercial / Industrial / Institutional Self-supply	SJRWMD	33.06	0.05	33.11	33.02	0.05	0.00	33.07	33.06	0.05	0.00	33.11	33.10	0.05	0.00	33.15	33.13	0.05	0.00	33.18	33.16	0.05	0.00	33.21	33.19	0.05	0.00	33.24	0%	33.19	0.05	0.00	33.24
Power Generation Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Nassau County Total		42.62	1.69	44.31	44.07	1.51	0.00	45.58	44.67	1.72	0.00	46.39	45.14	1.92	0.00	47.06	45.45	2.08	0.00	47.53	45.71	2.25	0.00	47.96	45.95	2.41	0.00	48.36	9%	47.01	2.92	0.00	49.93

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (11 - Putnam County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Putnam County in the St. Johns River Water Management District for the North Florida Regional Water Supply Plan.

			Water Use												De	mand Proj	ections (5-i	n-10)											Percent	Der	nand Projec	ctions (1-in	-10)
Category	District		2015			20	20			2025	5			20	30			203	5			204	40			20)45		Change		204	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground S	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	2.18	0.00	2.18	2.11	0.00	0.00	2.11	2.12	0.00	0.00	2.12	2.13	0.00	0.00	2.13	2.15	0.00	0.00	2.15	2.16	0.00	0.00	2.16	2.18	0.00	0.00	2.18	0%	2.31	0.00	0.00	2.31
Domestic Self-supply and Small Public Supply																																	
Systems	SJRWMD	2.82	0.00	2.82	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	3.24	0.00	0.00	3.24	15%	3.43	0.00	0.00	3.43
Agricultural Irrigation Self-supply	SJRWMD	15.50	0.26	15.76	15.95	1.08	0.00	17.03	16.92	1.13	0.00	18.05	17.81	1.14	0.00	18.95	18.63	1.15	0.00	19.78	19.53	1.19	0.00	20.72	20.45	1.21	0.00	21.66	37%	28.77	0.48	0.00	29.25
Landscape / Recreational Self-supply	SJRWMD	0.37	0.49	0.86	0.37	0.50	0.00	0.87	0.37	0.50	0.00	0.87	0.37	0.50	0.00	0.87	0.37	0.50	0.00	0.87	0.37	0.50	0.00	0.87	0.37	0.50	0.00	0.87	1%	0.68	0.90	0.00	1.58
Commercial / Industrial / Institutional Self-supply	SJRWMD	3.69	23.85	27.54	3.69	23.87	0.00	27.56	3.69	23.88	0.00	27.57	3.70	23.88	0.00	27.58	3.70	23.89	0.00	27.59	3.70	23.90	0.00	27.60	3.70	23.91	0.00	27.61	. 0%	3.70	23.91	0.00	27.61
Power Generation Self-supply	SJRWMD	0.45	0.30	0.75	0.48	0.32	0.00	0.80	0.51	0.34	0.00	0.85	0.54	0.36	0.00	0.90	0.56	0.37	0.00	0.93	0.57	0.38	0.00	0.95	0.58	0.39	0.00	0.97	29%	0.58	0.39	0.00	0.97
Putnam County Total		25.01	24.90	49.91	25.84	25.77	0.00	51.61	26.85	25.85	0.00	52.70	27.79	25.88	0.00	53.67	28.65	25.91	0.00	54.56	29.57	25.97	0.00	55.54	30.52	26.01	0.00	56.53	13%	39.47	25.68	0.00	65.15

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (12 - St. Johns County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in St. Johns County in the St. Johns River Water Management District for the North Florida Regional Water Supply Plan.

			Water Use												De	mand Proj	ections (5-i	n-10)											Percent	Dem	nand Projec	ctions (1-in	-10)
Category	District		2015			20	20			202	25			203	0			2035	5			20	140			2	2045		Change		20-	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SJRWMD	19.21	0.00	19.21	. 25.10	0.00	0.00	25.10	28.43	0.00	0.00	28.43	30.60	0.00	0.00	30.60	32.51	0.00	0.00	32.51	34.28	0.00	0.00	34.28	35.86	0.00	0.00	35.86	87%	36.20	0.00	0.00	36.20
Domestic Self-supply and Small Public Supply Systems	SJRWMD	2.96	0.00	2.96	4.58	0.00	0.00	4.58	4.56	0.00	0.00	4.56	4.53	0.00	0.00	4.53	4.50	0.00	0.00	4.50	4.47	0.00	0.00	4.47	4.44	0.00	0.00	4.44	50%	4.70	0.00	0.00	4.70
Agricultural Irrigation Self-supply	SJRWMD	18.18	0.00	18.18	25.37	0.39	0.00	25.76	24.96	0.39	0.00	25.35	24.51	0.36	0.00	24.87	24.08	0.38	0.00	24.46	23.55	0.37	0.00	23.92	23.05	0.36	0.00	23.41	29%	34.25	0.00	0.00	34.25
Landscape / Recreational Self-supply	SJRWMD	0.52	4.19	4.71	. 0.72	5.84	0.00	6.56	0.84	6.77	0.00	7.61	0.93	7.50	0.00	8.43	1.01	8.18	0.00	9.19	1.10	8.82	0.00	9.92	1.18	9.50	0.00	10.68	127%	1.42	11.40	0.00	12.82
Commercial / Industrial / Institutional Self-supply	SJRWMD	0.56	0.20	0.76	0.74	0.27	0.00	1.01	0.85	0.30	0.00	1.15	0.93	0.33	0.00	1.26	1.00	0.36	0.00	1.36	1.08	0.38	0.00	1.46	1.15	0.41	0.00	1.56	105%	1.15	0.41	0.00	1.56
Power Generation Self-supply	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
St. Johns County Total		41.43	4.39	45.82	56.51	6.50	0.00	63.01	59.64	7.46	0.00	67.10	61.50	8.19	0.00	69.69	63.10	8.92	0.00	72.02	64.48	9.57	0.00	74.05	65.68	10.27	0.00	75.95	66%	77.72	11.81	0.00	89.53

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (13- Suwannee County), Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Suwannee County) in the Suwannee River Water Management District for the North Florida Regional Water Supply Plan.

			Water Use												De	emand Proj	ections (5-	in-10)											Percent	De	mand Projec	tions (1-ir:	-10)
Category	District		2015			20	20			20:	25			20	30			20	35			20	140			2	045		Change		204	45	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
Public Supply	SRWMD	1.32	0.00	1.32	1.45	0.00	0.00	1.45	1.61	0.00	0.00	1.61	1.73	0.00	0.00	1.73	1.79	0.00	0.00	1.79	1.84	0.00	0.00	1.84	1.87	0.00	0.00	1.87	42%	1.98	0.00	0.00	1.
Oomestic Self-supply and Small Public Supply																																	
Systems	SRWMD	2.22	0.00	2.22	2.34	0.00	0.00	2.34	2.48	0.00	0.00	2.48	2.58	0.00	0.00	2.58	2.66	0.00	0.00	2.66	2.73	0.00	0.00	2.73	2.80	0.00	0.00	2.80	26%	2.96	0.00	0.00	2.
Agricultural Irrigation Self-supply	SRWMD	33.90	0.00	33.90	36.39	0.00	0.00	36.39	38.47	0.00	0.00	38.47	39.99	0.00	0.00	39.99	41.84	0.00	0.00	41.84	43.65	0.00	0.00	43.65	45.58	0.00	0.00	45.58	34%	58.13	0.00	0.00	58.
andscape / Recreational Self-supply	SRWMD	0.29	0.00	0.29	0.30	0.00	0.00	0.30	0.31	0.00	0.00	0.31	0.32	0.00	0.00	0.32	0.33	0.00	0.00	0.33	0.34	0.00	0.00	0.34	0.35	0.00	0.00	0.35	21%	0.43	0.00	0.00	0.4
Commercial / Industrial / Institutional Self-supply	SRWMD	2.72	0.00	2.72	2.87	0.00	0.00	2.87	3.03	0.00	0.00	3.03	3.17	0.00	0.00	3.17	3.28	0.00	0.00	3.28	3.37	0.00	0.00	3.37	3.45	0.00	0.00	3.45	27%	3.45	0.00	0.00	3.
Power Generation Self-supply	SRWMD	0.10	0.06	0.16	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	0.07	0.05	0.00	0.12	-25%	0.07	0.05	0.00	0.
Suwannee County Total		40.55	0.06	40.61	43.42	0.05	0.00	43.47	45.97	0.05	0.00	46.02	47.86	0.05	0.00	47.91	49.97	0.05	0.00	50.02	52.00	0.05	0.00	52.05	54.12	0.05	0.00	54.17	33%	67.02	0.05	0.00	67.

- 1.) All water use is shown in million gallons per day.
- 2.) Rounding errors account for nominal discrepancies.
- 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-12 (14 - Union County). Water Use for 2015 and 5-in-10 Year Total Water Demand Projections for 2020-2045 and 1-in-10 Year Water Demand Projections for 2045, by Category of Use in Union County in the Suwannee River Water Management District for the North Florida Regional Water Supply Plan.

		1 '	Water Use												De	mand Proj	ections (5-	in-10)											Percent	Den	nand Project	tions (1-in-	-10)
Category	District		2015			202	20			202	5			203	0			20	35			20	40			2	2045		Change		204	15	
		Ground	Surface	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	Ground	Surface	Other	Total	2015-2045	Ground	Surface	Other	Total
ublic Supply	SRWMD	0.26	0.00	0.26	0.24	0.00	0.00	0.24	0.24	0.00	0.00	0.24	0.24	0.00	0.00	0.24	0.25	0.00	0.00	0.25	0.25	0.00	0.00	0.25	0.25	0.00	0.00	0.25	-4%	0.27	0.00	0.00	0.2
omestic Self-supply and Small Public Supply																																	1
ystems	SRWMD	0.66	0.00	0.66	0.65	0.00	0.00	0.65	0.65	0.00	0.00	0.65	0.65	0.00	0.00	0.65	0.66	0.00	0.00	0.66	0.66	0.00	0.00	0.66	0.66	0.00	0.00	0.66	0%	0.70	0.00	0.00	0.7
gricultural Irrigation Self-supply	SRWMD	1.22	0.00	1.22	1.32	0.00	0.00	1.32	1.53	0.00	0.00	1.53	1.68	0.00	0.00	1.68	1.77	0.00	0.00	1.77	1.94	0.00	0.00	1.94	2.06	0.00	0.00	2.06	69%	2.68	0.00	0.00	2.6
andscape / Recreational Self-supply	SRWMD	0.10	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0.10	0.00	0.00	0.10	0%	0.14	0.00	0.00	0.14
Commercial / Industrial / Institutional Self-supply	SRWMD	0.51	0.00	0.51	0.50	0.00	0.00	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.00	0.50	0.50	0.00	0.00	0.50	-2%	0.50	0.00	0.00	0.5
ower Generation Self-supply	SRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	N/A	0.00	0.00	0.00	0.00
Union County Total		2.75	0.00	2.75	2.81	0.00	0.00	2.81	3.02	0.00	0.00	3.02	3.17	0.00	0.00	3.17	3.28	0.00	0.00	3.28	3.45	0.00	0.00	3.45	3.57	0.00	0.00	3.57	30%	4.29	0.00	0.00	4.29

- Notes:
 1.) All water use is shown in million gallons per day.
 2.) Rounding errors account for nominal discrepancies.
 3.) The Other water source category represents water demand exceeding the permittee's groundwater withdrawal limit as identified in the Black Creek Water Resource Development Project Participation Agreement.

Table B-13. 2045 Reclaimed Water Projections Using 75 Percent Beneficial Utilization for the St. Johns River Water Management District and Suwannee River Water Management District.

Table B-13. 20	045 Reclaimed	Water Projections Using 75 Percent Beneficial Utili	ization for the St. Johns River W	ater Manageme	ent Distric	t and Suwanne	e River Water	Management [District.								
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
Alachua	SJRWMD	Hawthorne WWTF	Hawthorne	FLA011291	No	Basic	1674	0.14	0.14	0.00	1,530	2,426	851	0.06	0.05	0.05	0.20
Alachua	SJRWMD	GRU - Kanapaha (#5) WRF	GRU - Kanapaha	FL0112895	Yes	High	11339	11.63	11.63	0.00	195,460	231,295	34,043				
Alachua	SJRWMD	GRU - Main Street (#1 & #2) WRF	GRU - Main Street	FL0027251	Yes	High & Basic	11339	6.70	6.70	0.00	N/A	N/A	N/A	2.49	1.86	1.86	14.12
Alachua	SJRWMD	University of Florida WRF	UF - Lake Alice	FLA011322	Yes	High	N/A	1.74	0.94	0.60	0	0	N/A	0.00	0.00	0.60	1.74
		Alachua Cour	nty - SJRWMD Total					20.21	19.41	0.60	196,990	233,721	34,894	2.55	1.91	2.51	22.76
Alachua	SRWMD	Alachua	Alachua	FLA011290	Yes	High	220667	0.72	0.69	0.02	10,155	11,925	1,682	0.12	0.09	0.11	0.84
Alachua	SRWMD	High Springs WWTF	High Springs WWTF	FLA286095	No	Basic	216833	0.16	0.16	0.00	6,221	7,230	959	0.07	0.05	0.05	0.23
Alachua	SRWMD	Newberry WWTF	Newberry WWTF	FLA011292	No	Basic	216450	0.21	0.21	0.00	5,538	7,973	2,313	0.17	0.13	0.13	0.38
Alachua	SRWMD	Waldo, City of WWTF	Waldo, City of WWTF	FL0042242	No	Basic	217300	0.00	0.00	0.00	960	1,230		N/A	N/A	N/A	N/A
			nty - SRWMD Total					1.09	1.06	0.02	22,874	28,358		0.36	0.27	0.29	
			County Total	=:				21.30	20.47	0.62	219,864	262,079	39,848	2.91	2.18	2.80	24.21
Baker	SJRWMD	City of Macclenny WWTF	City of Macclenny WWTF	FL0040495	No	Basic	15	0.87	0.00	0.65	6,582	7,528	899	0.07	0.05	0.70	0.94
		Baker Count	ty - SJRWMD Total					0.87	0.00	0.65	6,582	7,528	899	0.07	0.05	0.70	0.94
Baker	SRWMD	Baker Correctional Institution	Baker Correctional Institution	FLA011332	No	Basic	N/A	0.21	0.21	0.00	0	0	N/A	0.00	0.00	0.00	0.21
			ty - SRWMD Total					0.21	0.21	0.00	0	0		0.00	0.00	0.00	
			County Total					1.08	0.21	0.65	6,582	7,528	N/A	0.07	0.05	0.70	1.14
Bradford	SRWMD	Florida State Prison WWTF	Florida State Prison WWTF	FLA113450	No	Basic	N/A	1.01	1.01	0.00	0	0	N/A	0.00	0.00	0.00	1.01
Bradford	SRWMD	Starke, City of	Starke, City of	FL0028126	No	Basic	216650	0.75	0.16	0.44	6,700	8,653	1,855	0.14	0.10	0.54	0.89
		Bradford Cou	inty - SRWMD Total					1.76	1.17	0.44	6,700	8,653	1,855	0.14	0.10	0.54	1.90
Clay	SJRWMD	Town of Orange Orange Park WWTF	WWTF	FL0023922	No	Basic	453	0.99	0.00	0.74	9,058	10,076	967	0.07	0.05	0.80	1.06
Clay	SJRWMD	Green Cove Springs - Harbor Road	Green Cove Springs - Harbor Road WWTP	FL0020915	Yes	High	499	0.50	0.25	0.19	6,763	8,702	1,842				
Clay	SJRWMD	City of Green Cove Springs South	City of Green Cove Springs South	FL0030210	No	Basic	499	0.29	0.00	0.22	N/A	N/A	N/A	0.13	0.10	0.29	0.92
Class	SJRWMD	CCUA-Fleming Island Regional WWTF	CCUA - Fleming Island	FI 0043834	Yes	High	416, 431, 137335	5.68	5.06	0.47	120,444	227,726	101,918				
Clay	SJRWMD	CCUA-Fleming Oaks WWTF	CCUA - Fleming Island	FL0043834 FL0032875	No	Basic	416, 431	0.00	0.00	0.47	120,444 N/A	221,126 N/A	101,916 N/A				
Clay	SUKWIVID	COOPER ISHING CORS WWT	CCUA - Keystone Heights	1 20002070	110	Dasio	410, 401	0.00	0.00	0.00	19/74	IN/A	IN/A	1			
Clay	SJRWMD	CCUA-Fleming Oaks WWTF	WWTF	FLA362743	No	Basic	416, 431	0.00	0.00	0.00	N/A	N/A	N/A				
Clay	SJRWMD	CCUA-Fleming Oaks WWTF	CCUA - Peter's Creek WWTF	FLA327841	No	Basic	416, 431	0.00	0.00	0.00	N/A	N/A	N/A				
Clay	SJRWMD	CCUA - Mid-Clay Regional WWTF	CCUA - Mid-Clay Regional	FLA011377	Yes	High	416, 431	0.00	0.00	0.00	N/A	N/A	N/A	1			
Clay	SJRWMD	CCUA-Miller Street WWTF	CCUA-Miller Street WWTF	FL0025151	Yes	High	416, 431	0.00	0.00	0.00	N/A	N/A	N/A				
Clay	SJRWMD	CCUA - Ravines	CCUA - Ravines	FLA011371	No	Basic	416, 431	0.00	0.00	0.00	N/A	N/A	N/A				
Clay	SJRWMD	CCUA - Ridaught Landing WWTF	CCUA - Ridaught Landing (Fleming Island)	FL0039721	Yes	High	416, 431	0.00	0.00	0.00	N/A	N/A	N/A				
Clay	SJRWMD	CCUA - Spencer WWTP	CCUA - Reclaimed Distribution	FL0173371	Yes	High	416, 431	2.99	0.00	2.24	N/A	N/A	N/A	7.44	5.58	6.05	16.11
Clay	SJRWMD	Fang - Camp Blanding WWTF	WWTF	FL0022853	No	Basic	N/A	0.13	0.00	0.10	0	0	N/A	0.00	0.00	0.10	
		Clay County	y - SJRWMD Total					10.58	5.31	3.95	136,265	246,504	104,727	7.65	5.73	9.69	18.23
		Columbia Correctional Institution	Columbia Correctional Institution	FI A011418	Yes	High & Basic	N/A										
Columbia	SRWMD SRWMD	Lake City WWTF	Lake City WWTF	FLA011418 FLA113956			217754	0.41 2.76	0.41	0.00	19.097	22.252	N/A 2.997	0.00	0.00	0.00	0.41 2.98
Columbia	SKWMD		unty - SRWMD Total	FLAT13930	INO	intermediate	217734	3.18	3.12	0.04	19,097	22,252	2,997	0.22	0.16	0.20	3.39
Dunal	SJRWMD	Town of Baldwin WWTF	Town of Baldwin WWTF	FL0027812	No	Basic	784	0.30	0.00		1,419		799	0.22	0.16		0.36
Duval Duval	SJRWMD	Jacksonville Beach	Jacksonville Beach	FL0027812 FL0020231	Yes	High	793	2.84	0.00	0.23 1.73	23,733	2,260 26,195	2.339	0.06	0.04	0.27 1.85	3.01
Duval	SJRWMD	City of Atlantic Beach (Buccaneer)	City of Atlantic Beach	FL0038776	No	Basic	810	0.00	0.00	0.00	23,733 N/A	20,193 N/A	2,339 N/A	3.17	0.13	1.00	5.01
Duval	SJRWMD	City of Atlantic Beach (Buccaneer)	City of Atlantic Beach WWTF - Main	FL0038776	No	Basic	810	1.81	0.00	1.36	23.585	31,857	7.858	0.57	0.43	0.43	2.38
Duval	SJRWMD	Neptune Beach WWTF	Neptune Beach WWTF	FI 0020427	No	Basic	842	0.68	0.00	0.51	7,554	7,283	-257	-0.02	-0.01	0.43	0.66
Duval	SJRWMD	Normandy Village Utility	Normandy Village Utility	FLA011517	No	Basic	50293	0.35	0.00	0.26	3,235	3,313		0.01	0.00	0.50	
Duval	SJRWMD	Beacon Hills Subdivision WWTF	Beacon Hills Subdivision WWTF	FL0026778	No	Basic	88271	0.00	0.00	0.00	N/A	N/A	A1/A	1			
Duval	SJRWMD	JEA - Arlington East	JEA - South Grid	FL0026778	Yes	High	88271	0.00	0.00	0.00	N/A N/A	N/A N/A	N/A N/A				
Duval	SJRWMD	JEA - District II WWTF	JEA - District II (Cedar Bay)	FL0026450	Yes	High & Basic	88271	5.79	1.34	3.34	N/A	N/A	N/A				
Duval	SJRWMD	JEA - Blacks Ford	JEA - South Grid	FL0174441	Yes	High	88271	35.63	11.34	18.22	N/A	N/A	N/A	1			
Duval	SJRWMD	JEA - Buckman Street WWTF	JEA - Buckman Street	FL0026000	No	Basic	88271	29.82	3.65	19.63	N/A	N/A	N/A				
Duval	SJRWMD	JEA - Jacksonville Heights	JEA - Jacksonville Heights	FL0023671	No	Basic	88271	0.00	0.00	0.00	N/A	N/A	N/A				
Duval	SJRWMD	JEA - Mandarin	JEA - South Grid	FL0023493	Yes	High	88271	0.00	0.00	0.00	N/A	N/A	N/A	ļ			
Duval	SJRWMD	JEA - Monterey WWTF	JEA - Monterey WWTF	FL0023604	No	Basic	88271 88271	1.64	0.00	1.23	N/A	N/A	N/A	l			
	SJRWMD	JEA - Royal Lakes WRF	JEA - Royal Lakes WRF	FL0026751 FL0023663	No No	Basic Basic	88271 88271	0.00	0.00	0.00	N/A N/A	N/A N/A	N/A N/A	1			
Duval		IEA Can loss WPE			I IVO	 Dasic 	 882/1 	U.00	U.00	0.00	N/A			ı			
Duval Duval	SJRWMD	JEA - San Jose WRF JEA - Southwest District WWTF	JEA - San Jose WRF JEA - Southwest District		Nο	Basic		10.40	0.27	0.04	700 274	000 040	100 207	44.47	40.05	40.00	
Duval Duval Duval	SJRWMD SJRWMD	JEA - Southwest District WWTF	JEA - Southwest District	FL0026468	No No	Basic Basic	88271	12.42	0.37	9.04	790,271	998,910	198,207 N/A	14.47	10.85	10.85	99.77
Duval Duval	SJRWMD SJRWMD SJRWMD				No No Yes	Basic Basic High		0.69	0.00	0.52	790,271	998,910 0	N/A	0.00	10.85 0.00 0.00	0.52	0.69
Duval Duval Duval Duval	SJRWMD SJRWMD	JEA - Southwest District WWTF USN Mayport NS WWTF USN NAS Jacksonville	JEA - Southwest District USN Mayport NS WWTF	FL0026468 FL0000922	No	Basic	88271 N/A				790,271 0 0 849,797	0	N/A N/A		0.00		

At least 75% Utilization

75%

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75%

75% 75% **75%**

75% 75% **75%** 75% 75%

75% 75% 75% Table B-13, Continued. 2045 Reclaimed Water Projections Using 75 Percent Beneficial Utilization for the St. Johns River Water Management District and Suwannee River Water Management District.

Table B-13, Co	ontinued. 2045	Reclaimed Water Projections Using 75 Percent Be	eneficial Utilization for the St. Jo	hns River Water	r Manage	ment District an	d Suwannee I	River Water Ma	nagement Dis	trict.							
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
Flagler	SJRWMD	City of Flagler Beach WWTF	City of Flagler Beach WWTF	FL0026611	No	Basic	59	0.69	0.00	0.52	4,677	7,044	2,249	0.16	0.12	0.64	0.85
Flagler	SJRWMD	Matanzas Shores	Matanzas Shores	FLA011599	No	Basic	1947	0.11	0.00	0.08	N/A	N/A	N/A				
Flagler	SJRWMD	Palm Coast WWTF	Palm Coast	FL0116009	Yes	High	1947	7.96	6.72	0.93	89,548	125,437	34,095	2.49	1.87	1.95	10.56
Flagler	SJRWMD	Plantation Bay WWTF	Plantation Bay WWTP	FLA011597	Yes	High	1960	0.13	0.13	0.00	3,174	3,499	309	0.02	0.02	0.02	0.15
Flagler	SJRWMD SJRWMD	City of Bunnell - Micheal J. Mikulk	City of Bunnell	FL0020907 FLA011601	Yes	High	1982 2002	0.55	0.39	0.12	2,999	8,174	4,916	0.36	0.27	0.39	0.91
Flagler Flagler	SJRWMD	Bulow Village WWTF Dunes CDD WWTF	Bulow Village Dunes CDD	FLA011601 FLA011602	No Yes	Basic High	51136	0.04 2.09	0.00 2.09	0.03	1,284 4,153	1,284 4,551	378	0.00	0.00	0.03	2.12
ragioi	OUTTWIND		ty - SJRWMD Total					11.57	9.33	1.68	105.835	149.989	41.946	3.06	2.30	3.98	14.63
Gilchrist	SRWMD	Lancaster Correctional Institution WWTP	Lancaster Correctional Instituti	FLA011620	No	Basic	N/A	0.10	0.10	0.00	00,000	143,303	N/A	0.00	0.00	0.00	0.10
Gilchrist	SRWMD	Trenton	Trenton WWTF	FLA011615	No	Basic	216453	0.09	0.09	0.00	2.100	2.710		0.04	0.00	0.03	0.13
Cilorinot	ortimo		nty - SRWMD Total		1			0.19	0.19	0.00	2,100	2,710	580	0.04	0.03	0.03	0.23
Hamilton	SRWMD	Jasper, City of WWTF	Jasper, City of WWTF	FL0027880	No	Basic	220463	0.63	0.00	0.47	3,735	3,736	1	0.00	0.00	0.47	0.63
Hamilton	SRWMD	Jennings, Town of WWTP	Jennings	FLA011623	No	Basic	216567	0.14	0.14	0.00	699	699	0	0.00	0.00	0.00	0.14
Hamilton	SRWMD	SR-6/I-75 WWTF	SR-6/I-75 WWTF	FLA649163	No	Basic	N/A	0.03	0.03	0.00	0	0	0	0.00	0.00	0.00	0.03
Hamilton	SRWMD	White Springs WWTF	White Springs WWTF	FLA116220	No	Basic	216651	0.06	0.06	0.00	777	877	95	0.01	0.01	0.01	0.07
		Hamilton Cou	inty - SRWMD Total			•		0.86	0.23	0.47	5,211	5,312	96	0.01	0.01	0.47	0.86
Nassau	SJRWMD	City of Fernandina Beach WWTF	City of Fernandina Beach WWTF	FL0027260	No	Basic	122	1.67	0.00	1.25	19,249	20,476	1,166	0.09	0.06	1.32	1.76
Nassau	SJRWMD	Town of Callahan WWTF	Town of Callahan WWTF	FL0038407	No	Basic	922	0.14	0.00	0.11	1,719	2,861	1,085	0.08	0.06	0.16	0.22
Nassau	SJRWMD	Town of Hilliard WWTF	Town of Hilliard WWTF	FL0043079	No	Basic	948	0.33	0.00	0.25	3,189	4,889	1,615	0.12	0.09	0.34	0.45
	SJRWMD	Amelia Island WWTF	Nassau Amelia Utilities - Amelia Island	FLA011688	Yes	High	50087	0.07	0.07	0.00	0.404	0.775	055	0.00	0.00		0.70
Nassau Nassau	SJRWMD	Nassau Regional (Sun Ray)(JEA)	Nassau Regional (Sun Ray)	FL0116793	Yes	High	88271	0.67 1.65	0.67 0.81	0.00	9,401 22,170	9,775 59.307	355 35.280	0.03 2.58	0.02 1.93	0.02 2.56	0.70 4.23
Ivassau	SUKWIND		nty - SJRWMD Total	1 20110100	100	1.19.1	00211	4.46	1.48	2.24	55,728	97,308	39,501	2.88	2.16	4.40	7.34
Putnam	SJRWMD	City of Crescent City	City of Crescent City	FL0021610	No	Basic	1627	0.11	0.11	0.00	1,805	1,805	35,301	0.00	0.00	0.00	0.11
	SJRWMD	East Putnam County Regional WWTF	East Putnam County Regional	FLA649163	No	Basic	N/A				1,000	1,003	0	0.00	0.00		
Putnam Putnam	SJRWMD	River Park MHP	River Park MHP	FLA049103 FLA117218	Yes	High	7981	0.14 0.03	0.00	0.11	1,001	1,001	0	0.00	0.00	0.11	0.14
Putnam	SJRWMD	City of Palatka	City of Palatka	FL0040061	Yes	High & Basic	8114	2.00	1.66	0.00	12,053	12,053	0	0.00	0.00	0.00	2.00
		•	nty - SJRWMD Total	ı				2.28	1.80	0.36	14,859	14,859	0	0.00	0.00	0.36	2.28
St. Johns	SJRWMD	North Beach Utilities	North Beach Utilities	FLA011765	No	Basic	157	0.28	0.00	0.21	3.789	5.077	1,224	0.09	0.07	0.28	0.37
St. Johns	SJRWMD	Town of Hastings WWTF	Town of Hastings WWTF	FL0042315	No	Basic	1392	0.11	0.00	0.08	708	2,862	2,046	0.15	0.11	0.19	0.26
St. Johns	SJRWMD	St. Augustine WWTF # 1	City of St. Augustine # 1	FL0021938	No	Basic	50299	4.21	0.25	2.97	32,088	43,975	11,293	0.82	0.62	3.59	5.03
St. Johns	SJRWMD	JEA - Ponce De Leon WRF	JEA - Ponce De Leon	FLA011773	No	Basic	88271	0.04	0.00	0.03	N/A	N/A	N/A				
St. Johns	SJRWMD	JEA - Julington Creek	JEA - South Grid	FL0043591	Yes	High	88271	0.00	0.00	0.00	67,402	155,377	83,576				
St. Johns	SJRWMD	JEA - Ponte Vedra WWTF	Ponte Vedra	FL0117951	Yes	High	88271	0.30	0.26	0.03	N/A	N/A	N/A	6.10	4.58	4.61	6.44
St. Johns	SJRWMD	Anastasia	St. Johns Co Anastasia	FL0038831	Yes	High	1142, 1198	2.73	0.16	1.93	N/A	N/A	N/A				
St. Johns	SJRWMD	St. Johns Co Innlet Beach WWTF	St. Johns Co Innlet Beach	FL0044237	Yes	High	1142, 1198	0.24	0.21	0.02	0	0	0				
St. Johns	SJRWMD	St. Johns Co Mainland (S.R. 207)	St. Johns Co Mainland (S.R. 207)	FL0117471	Yes	High	1142, 1198	0.17	0.17	0.00	N/A	N/A	N/A				
St. Johns	SJRWMD	JEA - Ponte Vedra WWTF	JEA - Ponte Vedra	FL0117951	Yes	High	1142, 1198	0.30	0.26	0.03	N/A	N/A	N/A				
			St. Johns Co Marsh Landing @ Ponte Vedra														
St. Johns	SJRWMD	St. Johns Co Marsh Landing WWTF	Lakes	FL0044253	Yes	High	1142, 1198	0.56	0.23	0.25	N/A	N/A	N/A				
St. Johns	SJRWMD	St. Johns Co Northwest WWTP	St. Johns Co Northwest St. Johns Co Players Club	FL0670651	Yes	High	1142, 1198	1.61	1.61	0.00	N/A	N/A	N/A				
St. Johns	SJRWMD	St. Johns Co Players Club South	South	FL0044245	Yes	High	1142, 1198	0.43	0.15	0.21	N/A	N/A	N/A				
St. Johns	SJRWMD	St. Johns Co Sawgrass WWTF	St. Johns Co Sawgrass	FL0117897	Yes	High	1142, 1198	0.81	0.37	0.33	N/A	N/A	N/A				
St. Johns	SJRWMD	St. Johns Co SR16 WWTP	St. Johns Co SR16	FL0043109	Yes	High	1142, 1198	0.00	0.00	0.00	N/A	N/A	N/A	0.00	0.00	1.93	4.94
			nty - SJRWMD Total					11.79	3.67	6.09	103,987	207,291	98,139	7.16	5.37	11.46	17.04
Suwannee	SRWMD	Advent Christian Village	Advent Christian Home	FLA011819	No	Basic	219527	0.04	0.04	0.00	780	1,579	759	0.06	0.04	0.04	0.10
Suwannee	SRWMD	Branford Live Oak, City of WWTF	Branford Live Oak, City of	FLA011806 FLA011805	No Yes	Basic High	216658 220612	0.06	0.06	0.00	700	927	216 1,248	0.02	0.01	0.01	0.07 1.04
Suwannee	SRWMD		unty - SRWMD Total	1 1000 1 1000	1 62	riigii	220012	0.95 1.05	0.94 1.04	0.01 0.01	6,005 7,485	7,319 9,825	1,248 2,223	0.09 0.16	0.07 0.12	0.08	1.04 1.22
Union	SRWMD	Lake Butler WWTF	Lake Butler	FLA118338	No	Basic	220148	0.54	0.54	0.01	1,850	1,905	52	0.16	0.12	0.13	0.54
Omon	OLYMIND		ty - SRWMD Total	. 51110000		Dadio		0.54	0.54	0.00	1,850	1,905		0.00	0.00	0.00	0.54
			WMD Total					154.39	58.35	72.03	1,470,043	2.027.018	529,126	38.63	28.97	101.00	191.11
			VMD Total					8.87	7.55	0.99	65,317	79,015	12,757	0.93	0.70	1.68	9.59
			Total					163.26	65.90	73.02	1,535,360	2,106,033	541,883	39.56	29.67	102.68	200.70
											,,,,						

75% Utilization

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- All estimates of reclaimed water and reuse flow are shown in million gallons per day.
- 2.) Rounding anomalies account for nominal discrepancies.
- 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.) 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 B-14. 2045 Reclaimed Water Projections Using 2018 Percent Beneficial Utilization for the St. Johns River Water Management District and Suwannee River Water Management District.

	r. 2040 1160	claimed Water Projections Using 2018 Per	rcent Beneficial Utilization for the St. Jo	nns River water i	nanagemer	it District and St	wannee River water	I Management	DISTITUT.								
County	District	,		WAFR ID	PAA	2018	Associated CUP	Facility Treatment Flow	2018 Total Beneficial Reuse	Potential Existing Additional Reclaimed Water for Reuse	2018 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
Alachua	COLLECTION	Hawthorne WWTF	Hawthorne	FLA011291	No	Basic	1674	0.14		0.00	1,530	2,426	851	0.06	0.06	0.06	0.20
Alachua		GRU - Kanapaha (#5) WRF	GRU - Kanapaha	FL0112895	Yes	High	11339	11.63	11.63	0.00	195,460	231,295	34,043				
Alachua	SJRWMD		GRU - Main Street	FL0027251	Yes	High & Basic	11339	6.70	6.70	0.00	N/A	N/A	N/A	2.49	2.49	2.49	14.12
Alachua	SJRWMD	University of Florida WRF	UF - Lake Alice	FLA011322	Yes	High	N/A	1.74	0.94		0	0	N/A		0.00	0.43	1.74
			Alachua County - SJRWMD Total					20.21	19.41	0.77	196,990	233,721	34,894	2.55	2.45	3.21	22.76
Alachua	SRWMD	Alachua	Alachua	FLA011290	Yes	High	220667	0.72	0.69	0.03	10,155	11,925	1,682	0.12	0.12	0.15	0.84
Alachua	SRWMD		High Springs WWTF	FLA286095	No	Basic	216833	0.16	0.16		6,221	7,230	959	0.07	0.07	0.07	0.23
Alachua	SRWMD		Newberry WWTF	FLA011292	No	Basic	216450	0.21	0.21	0.00	5,538	7,973	2,313		0.17	0.17	0.38
Alachua	SRWMD	Waldo, City of WWTF	Waldo, City of WWTF	FL0042242	No	Basic	217300	0.00	0.00		960	1,230		N/A	N/A	N/A	
			Alachua County - SRWMD Total					1.09			22,874	28,358	4,953			0.38	1.45
			Alachua County Total					21.30	20.47		219,864	262,079	39,848	2.91	2.80	3.59	24.21
Baker	SJRWMD	City of Macclenny WWTF	City of Macclenny WWTF	FL0040495	No	Basic	15	0.87	0.00	0.00	6,582	7,528	899	0.07	0.00	0.00	0.94
			Baker County - SJRWMD Total					0.87	0.00	0.00	6,582	7,528	899	0.07	0.00	0.00	0.94
Baker	SRWMD	Baker Correctional Institution	Baker Correctional Institution	FLA011332	No	Basic	N/A	0.21	0.21	0.00	0	0			0.00	0.00	0.21
			Baker County - SRWMD Total					0.21	0.21	0.00	0	0	N/A	0.00	0.00	0.00	0.21
			Baker County Total					1.08	0.21	0.17	6,582	7,528	899	0.07	0.01	0.18	1.14
Bradford	SRWMD	Florida State Prison WWTF	Florida State Prison WWTF	FLA113450	No	Basic	N/A	1.01	1.01	0.00	0	0	N/A	0.00	0.00	0.00	1.01
Bradford	SRWMD	Starke, City of	Starke, City of	FL0028126	No	Basic	216650	0.75	0.16	0.13	6,700	8,653	1,855	0.14	0.03	0.16	0.89
			Bradford County - SRWMD Total					1.76	1.17	0.39	6,700	8,653	1,855	0.14	0.09	0.48	1.90
			Town of Orange Orange Park														
Clay	SJRWMD	Town of Orange Orange Park WWTF	WWTF	FL0023922	No	Basic	453	0.99	0.00	0.00	9,058	10,076	967	0.07	0.00	0.00	1.06
			Green Cove Springs - Harbor					ĺ									
Clay	SJRWMD	Green Cove Springs - Harbor Road	Road WWTP City of Green Cove Springs	FL0020915	Yes	High	499	0.50	0.25	0.08	6,763	8,702	1,842				
Clav	SJRWMD	City of Green Cove Springs South	South	FI 0030210	No	Basic	499	0.29	0.00	0.00	N/A	N/A	N/A	0.13	0.04	0.12	0.92
. ,		CCUA-Fleming Island Regional WWTF	CCUA - Fleming Island	FI 0043834	Yes	High	416, 431, 137335	5.68	5.06	0.36	120.444	227,726	101,918	0.13	0.04	0.12	0.92
Clay		CCUA-Fleming Oaks WWTF	CCUA - Fleming Island	FL0032875	No	Basic	416, 431	0.00	0.00		120,444 N/A	221,120 N/A	101,916 N/A				
Clay	SJKWIND	CCOA-FIEITING Oaks WWIF	CCUA - Revisione Heights	FE0032073	INU	Dasic	410, 431	0.00	0.00	N/A	N/A	N/A	N/A				
Clay	SJRWMD	CCUA-Fleming Oaks WWTF	WWTF	FLA362743	No	Basic	416, 431	0.00	0.00	N/A	N/A	N/A	N/A				
Clay	SJRWMD		CCUA - Peter's Creek WWTF	FLA327841	No	Basic	416, 431	0.00	0.00		N/A	N/A	N/A				
Clay	SJRWMD		CCUA - Mid-Clay Regional	FLA011377	Yes	High	416, 431	0.00	0.00		N/A	N/A	N/A				
Clay	SJRWMD		CCUA-Miller Street WWTF	FL0025151	Yes	High	416, 431	0.00	0.00		N/A	N/A	N/A				
Clay	SJRWMD	CCUA - Ravines	CCUA - Ravines	FLA011371	No	Basic	416, 431	0.00	0.00	N/A	N/A	N/A	N/A				
01	CIDWARD	CCUA - Ridaught Landing WWTF	CCUA - Ridaught Landing (Fleming Island)	FL0039721	Yes	High	416, 431	0.00	0.00	AL/A	N/A	NIA	NIA				
Clay	SJRWMD	CCOA - Ridaught Landing WWVTF	(Fleming Island)	FL0039721	res	nign	410, 431	0.00	0.00	N/A	N/A	N/A	N/A				
Clav	SJRWMD	CCUA - Spencer WWTP	CCUA - Reclaimed Distribution	FL0173371	Yes	High	416, 431	2.99	0.00	0.00	N/A	N/A	N/A	7.44	4 34	4.70	16.11
,														7.11	4.04	4.70	10.11
Clay	SJRWMD	Fang - Camp Blanding WWTF	Fang - Camp Blanding WWTF	FL0022853	No	Basic	N/A	0.13	0.00	0.00	0	0	N/A	0.00	0.00	0.00	0.13
			Clay County - SJRWMD Total					10.58	5.31	2.64	136,265	246,504	104,727	7.65	3.84	6.48	18.23
			Columbia Correctional														
Columbia	SRWMD		Institution	FLA011418 FLA113956	Yes	High & Basic	N/A 217754	0.41	0.41	0.01	0	0	N/A	0.00	0.00	0.01	0.41
Columbia	SRWMD	Lake City WWTF	Lake City WWTF	FLA113956	No	Intermediate	217754	2.76			19,097	22,252	2,997	0.22	0.21	0.26	2.98
			Columbia County - SRWMD Total					3.18	3.12	0.06	19,097	22,252	2,997	0.22	0.21	0.27	3.39
Duval		Town of Baldwin WWTF	Town of Baldwin WWTF	FL0027812	No	Basic	784	0.30	0.00	0.00	1,419	2,260	799	0.06	0.00	0.00	0.36
Duval	SJRWMD	Jacksonville Beach	Jacksonville Beach	FL0020231	Yes	High											3.01
Duned	C IDWAR	City of Atlantic Beach (Buccasses)	City of Atlantic Beach (Buccaneer)	F1 0000770	1		793	2.84	0.54		23,733	26,195	2,339	0.17	0.03	0.47	
Duval	SJRWMD	City of Atlantic Beach (Buccaneer)			No	Raeic				0.44	23,733	26,195	,,,,,	0.17		0.47	
Duval	SJRWMD		City of Atlantic Beach WWTF -	FL0038776	No	Basic	810	0.00	0.54				2,339 N/A	0.17		0.47	
	SJKWWI	City of Atlantic Beach WWTF - Main		FL0038776 FL0023248	No No	Basic Basic			0.00	0.44	23,733	26,195 N/A	,,,,,	0.17		0.47	2.38
Duval	SJRWMD	Neptune Beach WWTF	City of Atlantic Beach WWTF -				810	0.00	0.00	0.44 0.00 0.00	23,733 N/A 23,585	26,195 N/A 31,857	N/A 7,858	0.57	0.03	0.00	2.38
Duval	SJRWMD	City of Atlantic Beach WWTF - Main Neptune Beach WWTF Normandy Village Utility	City of Atlantic Beach WWTF - Main	FL0023248	No	Basic	810 810	0.00	0.00	0.44	23,733 N/A	26,195 N/A	N/A	0.57 -0.02	0.03		
	SJRWMD SJRWMD) Neptune Beach WWTF) Normandy Village Utility	City of Atlantic Beach WWTF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision	FL0023248 FL0020427 FLA011517	No No No	Basic Basic Basic	810 810 842 50293	0.00 1.81 0.68 0.35	0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00	23,733 N/A 23,585 7,554 3,235	26,195 N/A 31,857 7,283 3,313	N/A 7,858 -257 74	0.57 -0.02	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF	City of Atlantic Beach WWIF- Main Neptune Beach WWIF Normandy Village Utility Beacon Hills Subdivision WWIF	FL0023248 FL0020427 FLA011517 FL0026778	No No No	Basic Basic Basic	810 810 842 50293 88271	0.00 1.81 0.68 0.35	0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00	23,733 N/A 23,585 7,554 3,235 N/A	26,195 N/A 31,857 7,283 3,313 N/A	N/A 7,858 -257 74 N/A	0.57 -0.02	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Arlington East	City of Atlantic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441	No No No No Yes	Basic Basic Basic Basic	810 810 842 50293 88271 88271	0.00 1.81 0.68 0.35 0.00	0.00 0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00	23,733 N/A 23,585 7,554 3,235 N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A	N/A 7,858 -257 74 N/A N/A	0.57 -0.02	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF	Uty of Atlantic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay)	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450	No No No No Yes Yes	Basic Basic Basic Basic High High & Basic	810 810 842 50293 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79	0.00 0.00 0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 N/A	23,733 N/A 23,585 7,554 3,235 N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A	N/A 7,858 -257 74 N/A N/A N/A	0.57 -0.02	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Blacks Ford	City of Aliantic Beach WWIF- Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0174441	No No No No Yes Yes Yes	Basic Basic Basic Basic High High & Basic High	810 842 50293 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A	N/A 7,858 -257 74 N/A N/A N/A N/A	0.57 -0.02 0.01	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF J.EA- Arlington East J.EA- District II WWTF J.EA- Blacks Ford J.EA- Blacks Ford J.EA- Suckman Street WWTF	City of Allarius Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - South Grid JEA - Suckman Street	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0174441 FL0026000	No No No No Yes Yes Yes	Basic Basic Basic Basic High & Basic High & Basic High Basic	810 810 842 50293 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A	N/A 7,858 -257 74 N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Alfrington East JEA - District II WWTF JEA - Blacks Ford JEA - Blacks Ford JEA - Buckman Street WWTF JEA - Josconville Heights	Cily of Aliantic Beach WWTF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0174441 FL0026000 FL0023671	No No No No No Yes Yes Yes No No	Basic Basic Basic High High & Basic High Basic Basic Basic	810 842 50293 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWFF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Buckers Ford JEA - Buckman Street WWTF JEA - Buckman Street WWTF JEA - Jacksonville Heights JEA - Mandrin	City of Allarius Beach WWTF - Main Neptune Beach WWTF - Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights JEA - Sauth Grid	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0174441 FL0026000 FL0023671 FL0023493	No No No No Yes Yes Yes No No No Yes	Basic Basic Basic Basic High High & Basic High Basic High Basic High	810 810 842 50293 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Hington East JEA - District II WWTF JEA - Blacks Ford JEA - Blacks Ford JEA - Buckman Street WWTF JEA - Mandarin JEA - Mandarin JEA - Monterey WWTF	Ulty of Allaritic Beach WWIF - Main Neptune Beach WWTF Normandy Village Ullity Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Jacksonwille Heights JEA - South Grid JEA - Monterey WWTF	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0072441 FL0023600 FL0023671 FL0023693 FL0023694	No No No No Yes Yes Yes No No No No	Basic Basic Basic Basic High High & Basic High Basic Basic High Basic	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A 0.00	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Viliage Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Busknan Street WWTF JEA - Bucksan Street WWTF JEA - Jacksonville Heights JEA - Mandarin JEA - Monterey WWTF JEA - Wonters WWTF JEA - Special Lakes WRF	City of Allamic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Monterey WWTF JEA - Monterey WWTF JEA - Monterey WWFF	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0174441 FL0023600 FL0023671 FL0023694 FL0023604 FL0023604 FL00236751	No No No No Yes Yes Yes No No No No No No No No No No	Basic Basic Basic Basic High & Basic High & Basic High Basic Basic Basic Basic Basic Basic Basic	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 0.00 1.64 0.00	0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A 0.00 N/A	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7.858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.03 0.00 0.00	0.00 0.00	2.38 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA- Arlington East JEA- District II WWTF JEA- Blacks Ford JEA- Blacks Ford JEA- Buckman Street WWTF JEA- Jacksonville Heights JEA- Monterey WWTF JEA- Royal Lakes WRF JEA- Jose WRF JEA- Jose WRF	City of Allarius Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Royal Lakes WRF JEA - Royal Lakes WRF JEA - South Jose WRF	FL0023248 FL0020427 FLA011517 FL0026778 FL0026450 FL0174441 FL0026000 FL0023671 FL0023693 FL0023675 FL0023675 FL0023663	No No No No No Yes Yes Yes No No No No No No No No No No	Basic Basic Basic Basic High High & Basic High Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 0.00 1.64 0.00 0.00	0.00 0.00 0.00 0.00 0.00 0.00 1.34 1.34 3.65 0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 1.03 7.73 3.20 N/A N/A N/A N/A	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.00 0.00 0.00 0.00	0.00 0.00 0.00	2.38 0.66 0.36
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Niliage Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Backs Ford JEA - Buckman Street WWTF JEA - Buckman Street WWTF JEA - Mandarin JEA - Royal Lakes WRF JEA - Royal Lakes WRF JEA - San Jose WRF	Uity of Xilanitic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Bucksonville Heights JEA - South Grid	FL0023248 FL0020427 FLA011517 FL0026778 FL0026450 FL0026450 FL0023671 FL0023600 FL0023673 FL0023603 FL0023603 FL0023603 FL0023603 FL0023603 FL0023603 FL0026648	No No No No No Yes Yes No No No No No No No No No No No No No	Basic Basic Basic Basic Basic High High & Basic High Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 0.00 1.64 0.00 0.00 12.42	0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A N/A 0.00 N/A N/A 0.36	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -267 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.00 0.00 0.00 0.00	0.00 0.00 0.00	2.38 0.66 0.36
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD	Neptune Beach WWFF Normandy Village Utility Beacon Hills Subdivision WWTF JEA- Arlington East JEA- District II WWTF JEA- Blacks Ford JEA- Buckman Street WWTF JEA- Jacksonville Heights JEA- Monterey WWTF JEA- Monterey WWTF JEA- Sand Jose WRF JEA- Southwest District WWTF JEA- Southwest District WWTF JEA- Southwest District WWTF	City of Allarius Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Royal Lakes WRF JEA - Southweat District USM Mayort NS WWTF	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL0174441 FL0023601 FL0023617 FL0023617 FL0023617 FL002363 FL002363 FL002363 FL0023683 FL0023683 FL0026488	No No No No No Yes Yes No No No No No No No No No No No No No	Basic Basic Basic Basic Basic Basic Basic High High & Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 842 50283 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 1.64 0.00 1.242 0.69	0.00 0.00 0.00 0.00 0.00 1.34 11.34 5.00 0.00 0.00 0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7.858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01	0.00 0.00 0.00 0.00	0.00 0.00 0.00	2.38 0.66 0.36
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Niliage Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Backs Ford JEA - Buckman Street WWTF JEA - Buckman Street WWTF JEA - Mandarin JEA - Royal Lakes WRF JEA - Royal Lakes WRF JEA - San Jose WRF	City of Allaritic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Royal Lakes WRF JEA - South WRF	FL0023248 FL0020427 FLA011517 FL0026778 FL0026450 FL0026450 FL0023671 FL0023600 FL0023673 FL0023603 FL0023603 FL0023603 FL0023603 FL0023603 FL0023603 FL0026648	No No No No No Yes Yes No No No No No No No No No No No No No	Basic Basic Basic Basic Basic High High & Basic High Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 0.00 5.79 35.63 29.82 0.00 0.00 0.00 1.64 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 0.00 0.00 0.00 0.00 1.34 11.34 5.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A N/A 0.00 0.36	23,733 N/A 23,585 7.554 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7.283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7.858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01 14.47 0.00 0.00	0.03 0.00 0.00 0.00	0.00 0.00 0.00 0.00	2.38 0.66 0.36 99.77 0.69 0.66
Duval Duval	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Viliago Utility Beacon Hills Subdivision WWTF JEA- Arlington East JEA- District II WWTF JEA- Busknan Street WWTF JEA- Buckman Street WWTF JEA- Buckman Street WWTF JEA- Monterey WWTF JEA- Monterey WWTF JEA- Royal Lakes WRF JEA- San Jose WRF JEA- San Jose WRF USA NAS Jacksonville USN Mayport NS WWTF	City of Allaritic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Royal Lakes WRF JEA - San Jose WRF JEA - San Jose WRF JEA - San Jose WRF JEA - San Jose WRF JEA - San Jose WRF JEA - Southwest District USN Mayport NS WWTF USN NAS Jacksonville DVal County - SuRWMD Total	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL00726450 FL0073671 FL0023691 FL0023691 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693	No No No No No No Yes Yes Yes No No No No No No No No No No No No No	Basic Basic Basic Basic Basic High High & Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 35.63 29.82 0.00 0.00 1.64 0.00 0.00 1.24 0.69 0.69 0.66 9.66	0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A 0.00 N/A 1.4.10	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01 14.47 0.00 0.00	0.00 0.00 0.00 0.00 0.00	2.83 0.00 0.00	2.38 0.66 0.36 0.36 99.77 0.69 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Flagler	SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA- Arlington East JEA- District II WWTF JEA- Blacks Ford JEA- Buckman Street WWTF JEA- Jacksonville Heights JEA- Monterey WWTF JEA- Nogal Lakes WRF JEA- San Jose WRF JEA- Southwest District WWTF JEA- Southwest District WWTF USN Mayport NS WWTF USN NAS Jacksonville City of Flagler Beach WWTF	City of Allarius Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - Monterey WWTF JEA - South Grid JEA - Monterey WWTF JEA - Southwest District USN Mayor INS WWTF USN NAS Jacksonville Duval County - SJRWMD Total City of Flagler Beach WWTF	FL0023248 FL0020427 FLA011517 FL0026778 FL0026451 FL0026450 FL0023651 FL0023671 FL0023671 FL0023663 FL0023663 FL0023663 FL0026663 FL0026663 FL0026663 FL0026661	No No No No No No Yes Yes Yes No No No No No No No No No No No No No	Basic Basic Basic Basic Basic High High & Basic High Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 842 50283 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 0.00 5.79 0.00 1.64 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00 0.00 0.00 0.00 0.01 1.34	0.44 0.00 0.00 0.00 0.00 0.00 0.00 0.00	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A 0,04	N/A 7.858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01 14.47 0.00 0.00	0.03 0.00 0.00 0.00	0.00 0.00 0.00 0.00	2.38 0.66 0.36 99.77 0.69 0.66
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Flagler Flagler	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Buskman Street WWTF JEA - Buskman Street WWTF JEA - Buskman Street WWTF JEA - Monterey WWTF JEA - Subgrantial Heights JEA - Wonterey WWTF JEA - San Jose WRF JEA - San Jose WRF JEA - San Jose WRF JEA - Southwest District WWTF USN NAS Jacksonville City of Flagler Beach WWTF	City of Xilamic Beach WWIF - Main Neptune Beach WWIF Normandy Village Utility Beacon Hills Subdivision WWIF JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Bucktnan Street JEA - Bucksonville Heights JEA - South Grid JEA - South Grid JEA - Worterey WWIF JEA - South Grid JEA - Monterey WWIF JEA - South Grid JEA - South Grid JEA - Monterey WWIF JEA - South Grid JEA - S	FL0023248 FL0020427 FL0020427 FL0011517 FL0026450 FL0026450 FL0026450 FL0023691 FL0023691 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023693 FL0023668 FL0000927 FL0000957	No No No No No No Yes Yes No No No No No No No No No No No No No	Basic Basic Basic Basic Basic High High & Basic High Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271	0.00 1.81 0.68 0.35 0.00 0.00 0.00 0.00 0.00 0.00 1.84 0.00 1.64 0.00 1.242 0.69 0.66 92.63 0.69	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.65 0.00 0.00 0.00 0.00 0.00 0.11 17.35 0.000 0.000	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A 0.00 N/A 1.410 0.00 0.09	23,733 N/A 23,585 7.554 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7.283 3.313 N/A N/A N/A N/A N/A N/A ONA ONA	N/A 7,858 -267 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01 14.47 0.00 0.00 0.15.26	2.83 0.00 0.00 0.00 0.00	2.83 0.00 0.00	2.38 0.66 0.36 0.36 99.77 0.69 0.66 107.89
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Flagler Flagler	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA- Arlington East JEA- District II WWTF JEA- Buckman Street WWTF JEA- Buckman Street WWTF JEA- Buckman Street WWTF JEA- Angoksorville Heights JEA- Monterey WWTF JEA- Monterey WWTF JEA- Southwest District WWTF USN MASPORT NEW WTF JEA- Southwest District WWTF USN NAS Jacksonville City of Flagler Beach WWTF Matanzas Shores Falm Coast WWTF	City of Allamic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - South Grid JEA - Monterey WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - South Grid JEA - Monterey WWTF JEA - South Sid JEA - South Grid JEA - South	FL0023248 FL0020427 FLA011517 FL0026778 FL0026451 FL0026451 FL0023603 FL0023671 FL0023603 FL0023663 FL0023663 FL0023663 FL0023663 FL0023663 FL0020571 FL002361 FL002361 FL002361 FL002361 FL002361 FL002361 FL002361 FL002361	No No No No No No Yes Yes No No No Yes No No No No No No No No No No Yes No No No No No No No No No No No No No	Basic Basic Basic Basic High High & Basic High Basic Basic Basic Basic High Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic High	810 842 50283 88271 88271 88271 88271 88271 88271 88271 88271 88271 8271	0.00 1.811 0.68 0.35 0.00 0.00 5.79 3.563 22.882 0.00 0.00 0.00 0.00 1.64 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.00 0.00 0.00 0.00 0.00 0.00 1.34 11.34 5.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	0.44 0.00 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A N/A 0.00 0.09 14.10 0.00 0.09 1.05	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01 14.47 0.00 0.00 15.26 0.16	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	2.83 0.00 0.00 0.00	2.38 0.66 0.36 0.36 99.77 0.69 0.60 110.89 0.85
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Flagler Flagler Flagler	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Niliage Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Batks Ford JEA - Buckman Street WWTF JEA - Buckman Street WWTF JEA - Royal Lakes WRF JEA - Royal Lakes WRF JEA - Royal Lakes WRF JEA - San Jose WRF JEA - San Jose WRF JEA - Sin WRF JEA -	City of Atlantic Beach WWIF - Main Nepture Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - South Grid JEA - Buckman Street JEA - Buckman Street JEA - South Grid JEA - S	FL0023248 FL0020427 FL001517 FL001517 FL0026778 FL0026451 FL0026450 FL0072441 FL0023671 FL0023671 FL002363 FL0023664 FL0023651 FL0023664 FL0023664 FL0026761 FL0026761 FL0026761 FL0026761 FL0016609 FL001600957	No No No No No No Yes Yes No No No No No No No Yes No No No No Yes	Basic Basic Basic Basic High ABasic High ABasic High Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic Basic	810 810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 98271 98271 98271 98271 98271 98271	0.00 1.81 0.68 0.35 0.00 0.00 5.79 3.663 29.82 0.00 0.00 1.644 0.00 1.242 0.69 0.69 0.69 0.69 0.69 0.11	0.00 0.00 0.00 0.00 1.34 11.34 11.34 3.655 0.00 0.00 0.00 0.01 1.37 0.00 0.01 1.37 0.00 0.01 0.01 0.01 0.00 0.01 0.00 0.0	0.44 0.00 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A 0.00 0.09 1.410 0.00 0.09 1.05 0.00	23,733 N/A 23,585 7.554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -267 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -0.02 0.01 14.47 0.00 0.00 15.26 0.16	2.83 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	2.83 0.00 0.00	2.38 0.66 0.36 0.36 99.77 0.69 0.66 107.89 0.85
Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Flagler Flagler Flagler Flagler Flagler	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Viliage Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Buskman Street WWTF JEA - Buskman Street WWTF JEA - Buskman Street WWTF JEA - Monterey WWTF JEA - Monterey WWTF JEA - San Jose WRF JEA - San Jose WRF JEA - San Jose WRF USN NAS Jacksonville City of Flagler Beach WWTF USN NAS Jacksonville City of Flagler Beach WWTF Plantation Bay WWTF City of WWTF City of Bunnel - Michael J. Mikulik	City of Allaritic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Soyal Lakes WRF JEA - Southwest District USN Mayport NS WWTF USN NAS Jacksonville Dval County - SurRWMD Total City of Flagler Beach WWTF Matanzas Shores Palm Coast Plantation Bay WWTP City of Bunnell	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL00724441 FL0026000 FL00724441 FL0023671 FL0023671 FL0023681 FL0023688 FL0000957 FL0026611 FL0011599 FL011599 FL011599 FL011599 FL011597	No No No No No Yes Yes No No No No No No No No No No Yes	Basic Basic Basic High High & Basic High Basic High Basic High Basic High Basic High Basic High Basic Basic Basic Basic Basic Basic Basic High	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 871 871 871 871 871 871 871 871 871 8	0.00 1.81 0.68 0.35 0.00 0.00 5.79 3.563 2.9.82 0.00 0.00 0.00 1.64 0.00 0.00 1.42 0.69 2.63 0.69 2.11 7.96 0.113	0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.655 0.00 0.00 0.00 0.00 0.00 0.00 0.37 0.00 0.11 17.35 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.44 0.00 0.00 0.00 0.00 0.00 0.00 N/A 1.03 0.00 N/A N/A 0.36 0.00 0.00 1.41 0.00	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -4.02 -0.01 -1.447 -0.00 -0.00 -0.16 -2.49 -0.02	2.83 0.00 0.00 0.00 0.00 0.00 0.00 2.26 0.00 0.00	2.83 0.00 0.00 0.00 2.83 0.00 0.09 15.96 0.00 2.16 0.02	2.38 0.66 0.36 0.36 99.77 0.69 0.66 107.83 0.85
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Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Duval Flagler Flagler Flagler Flagler Flagler	SJRWMD SJRWMD	Neptune Beach WWTF Normandy Viliage Utility Beacon Hills Subdivision WWTF JEA - Arlington East JEA - District II WWTF JEA - Buskman Street WWTF JEA - Buskman Street WWTF JEA - Buskman Street WWTF JEA - Monterey WWTF JEA - Monterey WWTF JEA - San Jose WRF JEA - San Jose WRF JEA - San Jose WRF USN NAS Jacksonville City of Flagler Beach WWTF USN NAS Jacksonville City of Flagler Beach WWTF Plantation Bay WWTF City of WWTF City of Bunnel - Michael J. Mikulik	City of Allaritic Beach WWIF - Main Neptune Beach WWTF Normandy Village Utility Beacon Hills Subdivision WWTF JEA - South Grid JEA - South Grid JEA - District II (Cedar Bay) JEA - South Grid JEA - Buckman Street JEA - Jacksonville Heights JEA - South Grid JEA - Monterey WWTF JEA - Soyal Lakes WRF JEA - Southwest District USN Mayport NS WWTF USN NAS Jacksonville Dval County - SurRWMD Total City of Flagler Beach WWTF Matanzas Shores Palm Coast Plantation Bay WWTP City of Bunnell	FL0023248 FL0020427 FLA011517 FL0026778 FL0026441 FL0026450 FL00724441 FL0026000 FL00724441 FL0023671 FL0023671 FL0023681 FL0023688 FL0000957 FL0026611 FL0011599 FL011599 FL011599 FL011599 FL011597	No No No No No Yes Yes No No No No No No No No No No Yes	Basic Basic Basic High High & Basic High Basic High Basic High Basic High Basic High Basic High Basic Basic Basic Basic Basic Basic Basic High	810 842 50293 88271 88271 88271 88271 88271 88271 88271 88271 88271 88271 871 871 871 871 871 871 871 871 871 8	0.00 1.81 0.68 0.35 0.00 0.00 5.79 3.563 2.9.82 0.00 0.00 0.00 1.64 0.00 0.00 1.42 0.69 2.63 0.69 2.11 7.96 0.113	0.00 0.00 0.00 0.00 0.00 1.34 11.34 3.655 0.00 0.00 0.00 0.00 0.00 0.00 0.37 0.00 0.11 17.35 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	0.44 0.00 0.00 0.00 0.00 0.00 N/A 1.03 7.73 3.20 N/A N/A 0.36 0.00 14.10 0.00 1.05 1.05 1.05 1.05 0.00 0.11 0.00 0.00	23,733 N/A 23,585 7,554 3,235 N/A N/A N/A N/A N/A N/A N/A N/	26,195 N/A 31,857 7,283 3,313 N/A N/A N/A N/A N/A N/A N/A N/	N/A 7,858 -257 74 N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	0.57 -4.02 -0.01 -1.447 -0.00 -0.00 -0.16 -2.49 -0.02	2.83 0.00 0.00 0.00 0.00 0.00 0.00 2.26 0.00 0.00	2.83 0.00 0.00 0.00 2.83 0.00 0.09 15.96 0.00 2.16 0.02	2.38 0.66 0.36 0.36 99.77 0.69 0.66 107.83 0.85

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Table B-14, Continued. 2045 Reclaimed Water Projections Using 2018 Percent Beneficial Utilization for the St. Johns River Water Management District and Suwannee River Water Management District.

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
Silchrist	SRWMD	Lancaster Correctional Institution WWTP	Lancaster Correctional Institution		No	Basic	N/A	0.10	0.10	0.00	0	0	N/A	0.00	0.00	0.00	0.10
Silchrist	SRWMD	Trenton	Trenton WWTF	FLA011615	No	Basic	216453	0.09	0.09	0.00	2,100	2,710	580	0.04	0.04	0.04	0.13
			Gilchrist County - SRWMD Total					0.19	0.19	0.00	2,100	2,710	580	0.04	0.04	0.04	0.23
lamilton	SRWMD	Jasper, City of WWTF	Jasper, City of WWTF	FL0027880	No	Basic	220463	0.63	0.00	0.00	3,735	3,736	1	0.00	0.00	0.00	0.63
lamilton	SRWMD	Jennings, Town of WWTP	Jennings	FLA011623	No	Basic	216567	0.14	0.14	0.00	699	699	0	0.00	0.00	0.00	0.14
lamilton	SRWMD	SR-6/I-75 WWTF	SR-6/I-75 WWTF	FLA649163	No	Basic	N/A	0.03	0.03	0.00	0	0	0	0.00	0.00	0.00	0.03
lamilton	SRWMD	White Springs WWTF	White Springs WWTF	FLA116220	No	Basic	216651	0.06	0.06	0.00	777	877	95	0.01	0.01	0.01	0.07
			lamilton County - SRWMD Total					0.86	0.23	0.17	5,211	5,312	96	0.01	0.00	0.17	0.86
T			City of Fernandina Beach								.,	.,.					
lassau	SJRWMD	City of Fernandina Beach WWTF	WWTF	FL0027260	No	Basic	122	1.67	0.00	0.00	19,249	20,476	1,166	0.09	0.00	0.00	1.76
lassau	SJRWMD	Town of Callahan WWTF	Town of Callahan WWTF	FL0038407	No	Basic	922	0.14	0.00	0.00	1,719	2,861	1,085	0.08	0.00	0.00	0.22
lassau	SJRWMD	Town of Hilliard WWTF	Town of Hilliard WWTF	FL0043079	No	Basic	948	0.33	0.00	0.00	3,189	4,889	1,615	0.12	0.00	0.00	0.45
			Nassau Amelia Utilities -										•				
lassau		Amelia Island WWTF	Amelia Island	FLA011688	Yes	High	50087	0.67	0.67	0.00	9,401	9,775	355			0.03	0.70
lassau	SJRWMD	Nassau Regional (Sun Ray)(JEA)	Nassau Regional (Sun Ray)	FL0116793	Yes	High	88271	1.65	0.81	0.41	22,170	59,307	35,280	2.58	1.26	1.68	4.23
			Nassau County - SJRWMD Total					4.46	1.48	0.99	55,728	97,308	39,501	2.88	0.96	1.95	7.34
utnam	SJRWMD	City of Crescent City	City of Crescent City	FL0021610	No	Basic	1627	0.11	0.11	0.00	1,805	1,805	0	0.00	0.00	0.00	0.11
utnam		East Putnam County Regional WWTF	East Putnam County Regional	FLA649163	No	Basic	N/A	0.14	0.00	0.00	0	0	0	0.00		0.00	0.14
utnam		River Park MHP	River Park MHP	FLA117218	Yes	High	7981	0.03	0.03	0.00	1,001	1,001	0		0.00	0.00	0.03
utnam	SJRWMD	City of Palatka	City of Palatka	FL0040061	Yes	High & Basic	8114	2.00	1.66	0.28	12,053	12,053	0	0.00	0.00	0.28	2.00
		1	Putnam County - SJRWMD Total					2.28	1.80	0.38	14,859	14,859	0	0.00	0.00	0.38	2.28
t. Johns	SJRWMD	North Beach Utilities	North Beach Utilities	FLA011765	No	Basic	157	0.28	0.00	0.00	3,789	5,077	1,224	0.09	0.00	0.00	0.37
t. Johns	SJRWMD	Town of Hastings WWTF	Town of Hastings WWTF	FL0042315	No	Basic	1392	0.11	0.00	0.00	708	2,862	2,046	0.15	0.00	0.00	0.26
t. Johns	SJRWMD	St. Augustine WWTF # 1	City of St. Augustine # 1	FL0021938	No	Basic	50299	4.21	0.25	0.24	32,088	43,975	11,293	0.82	0.05	0.28	5.03
t. Johns	SJRWMD	JEA - Ponce De Leon WRF	JEA - Ponce De Leon	FLA011773	No	Basic	88271	0.04	0.00	0.03	N/A	N/A	N/A				
t. Johns	SJRWMD	JEA - Julington Creek	JEA - South Grid	FL0043591	Yes	High	88271	0.00	0.00	N/A	67,402	155,377	83,576				
t. Johns	SJRWMD	JEA - Ponte Vedra WWTF	Ponte Vedra	FL0117951	Yes	High	88271	0.30	0.26	0.03	N/A	N/A	N/A	6.10	4.67	4.70	6.44
t. Johns	SJRWMD	Anastasia	St. Johns Co Anastasia	FL0038831	Yes	High	1142, 1198	2.73	0.16	1.19	N/A	N/A	N/A				
t. Johns		St. Johns Co Innlet Beach WWTF	St. Johns Co Innlet Beach	FL0044237	Yes	High	1142, 1198	0.24	0.21	0.03	0	0	0				
			St. Johns Co Mainland (S.R.				,				-		-				
t. Johns		St. Johns Co Mainland (S.R. 207)	207)	FL0117471	Yes	High	1142, 1198	0.17	0.17	0.00	N/A	N/A	N/A				
t. Johns	SJRWMD	JEA - Ponte Vedra WWTF	JEA - Ponte Vedra	FL0117951	Yes	High	1142, 1198	0.30	0.26	0.03	N/A	N/A	N/A				
t. Johns	SJRWMD	St. Johns Co Marsh Landing WWTF	St. Johns Co Marsh Landing @ Ponte Vedra Lakes	FL0044253	Yes	High	1142, 1198	0.56	0.23	0.14	N/A	N/A	N/A				
t. Johns		St. Johns Co Northwest WWTP	St. Johns Co Northwest	FL0670651	Yes	High	1142, 1198	1.61	1.61	0.00	N/A	N/A	N/A				
t. Johns		St. Johns Co Players Club South	St. Johns Co Players Club South	FL0044245	Yes	High	1142, 1198	0.43	0.15		N/A		N/A				
t. Johns	SJRWMD	St. Johns Co Sawgrass WWTF	St. Johns Co Sawgrass	FL0117897	Yes	High	1142, 1198	0.81	0.37	0.20	N/A	N/A	N/A				
t. Johns	SJRWMD	St. Johns Co SR16 WWTP	St. Johns Co SR16	FL0043109	Yes	High	1142, 1198	0.00	0.00	N/A	N/A	N/A	N/A	0.00	0.00	1.19	4.94
		S	t. Johns County - SJRWMD Total					11.79	3,67		103,987	207,291	98,139			4.76	
uwannee	SRWMD	Advent Christian Village	Advent Christian Home	FLA011819	No	Basic	219527	0.04	0.04	0.00	780	1,579	759	0.06	0.06	0.06	0.10
		Branford	Branford	FLA011806	No	Basic	216658	0.06	0.06		700	927	216			0.02	0.07
uwannee		Live Oak, City of WWTF	Live Oak, City of	FLA011805	Yes	High	220612	0.95	0.00	0.01	6,005	7,319	1,248			0.10	1.04
			uwannee County - SRWMD Total					1.05	1.04		7,485		2,223			0.17	1.22
Inion :	SPWMD	Lake Butler WWTF	Lake Butler	FLA118338	No	Basic	220148	0.54	0.54	0.00	1.850	1,905	52		0.00	0.17	0.54
nnon i	CIVAMIND			. 51110000			223140	0.54	0.54	0.00	1,850	1,905	52			0.00	0.54
			Union County - SRWMD Total														191.11
			SJRWMD Total					154.39	58.35	36.30	1,470,043	2,027,018	529,126		14.60	50.90	
			SRWMD Total Total					8.87 163.26	7.55 65.90	1.12	65,317	79,015	12,757	0.93	0.79	1.91	9.80
										39.30	1,535,360	2,106,033	541.883	39.56	15.97	55.27	200.90

2018 Percent Utilization 100% 100% 100% 0% 100% 100% 100% 27% 0% 0% 100% 49% 33% 100% 0% 100% **79%** 0% 6%

76%

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- All estimates of reclaimed water and reuse flow are shown in million gallons per day.
- 2.) Rounding anomalies account for nominal discrepancies.
- 2.) 2018 Total facility treatment flow obtained from DEP 2018 Annual Reuse Inventory.
 4.) Beneficial reuse for SuRWMD and SURWMD 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 B-15, 2045 Reclaimed Water Projections for the St. Johns River Water Management District and Suwannee River Water Management District.

	reciained water i re	Ĺ				neficial Utilizatio	-			Esti	mates Using D	EP Beneficial U	tilization Rate of	75 Percent	
County	District	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
Alachua	SJRWMD	20.21	19.41	0.77	2.55	2.45	3.21	22.76	20.21	19.41	0.60	2.55	1.91	2.51	22.76
Alachua	SRWMD	1.09	1.06	0.03	0.36	0.35	0.38	1.45	1.09	1.06	0.02	0.36	0.27	0.29	1.45
Alachua	Total	21.30	20.47	0.80	2.91	2.80	3.59	24.21	21.30	20.47	0.62	2.91	2.18	2.80	24.21
Baker	SJRWMD	0.87	0.00	0.00	0.07	0.00	0.00	0.94	0.87	0.00	0.65	0.07	0.05	0.70	0.94
Baker	SRWMD	0.21	0.21	0.00	0.00	0.00	0.00	0.21	0.21	0.21	0.00	0.00	0.00	0.00	0.21
Baker	Total	1.08	0.21	0.17	0.07	0.01	0.18	1.14	1.08	0.21	0.65	0.07	0.05	0.70	1.14
Bradford	SJRWMD	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bradford	SRWMD	1.76	1.17	0.39	0.14	0.09	0.48	1.90	1.76	1.17	0.44	0.14	0.10	0.54	1.90
Bradford	Total	1.76	1.17	0.39	0.14	0.09	0.48	1.90	1.76	1.17	0.44	0.14	0.10	0.54	1.90
Clay	SJRWMD	10.58	5.31	2.64	7.65	3.84	6.48	18.23	10.58	5.31	3.95	7.65	5.73	9.69	18.23
Columbia	SRWMD	3.18	3.12	0.06	0.22	0.21	0.27	3.39	3.18	3.12	0.04	0.22	0.16	0.21	3.39
Duval	SJRWMD	92.63	17.35	14.10	15.26	2.86	16.96	107.89	92.63	17.35	56.46	15.26	11.44	67.90	107.89
Flagler	SJRWMD	11.57	9.33	1.81	3.06	2.47	4.28	14.63	11.57	9.33	1.68	3.06	2.30	3.98	14.63
Gilchrist	SRWMD	0.19	0.19	0.00	0.04		0.04	0.23	0.19		0.00	0.04	0.03	0.03	0.23
Hamilton	SRWMD	0.86	0.23	0.17	0.01	0.00	0.17	0.86	0.86	0.23	0.47	0.01	0.01	0.47	0.86
Nassau	SJRWMD	4.46	1.48	0.99	2.88	0.96	1.95		4.46		2.24	2.88	2.16	4.40	7.34
Putnam	SJRWMD	2.28	1.80	0.38	0.00	0.00	0.38		2.28		0.36	0.00	0.00	0.36	2.28
St. Johns	SJRWMD	11.79	3.67	2.53	7.16		4.76		11.79		6.09	7.16	5.37	11.46	17.04
Suwannee	SRWMD	1.05	1.04	0.01	0.16		0.17	1.22	1.05		0.01	0.16	0.12	0.13	1.22
Union	SRWMD	0.54	0.54	0.00	0.00	0.00	0.00	0.54	0.54		0.00	0.00	0.00		0.54
	MD Total	154.39	58.35	36.30	38.63		50.90		154.39			38.63	28.97	101.00	191.11
	/ID Total	8.87	7.55	1.12	0.93		1.91	9.80	8.87			0.93	0.70		9.59
Te	otal	163.26	65.90	39.30	39.56	15.97	55.27	200.90	163.26	65.90	73.02	39.56	29.67	102.68	200.70

- 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.

Table B-16. First Scenario of Potential Water Conservation for Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

			First Conse	rvation Scenario
Category	District	Projected 2045 Water Demand	Percent Conservation	Projected 2045 Water Conservation
Public Supply	SJRWMD	274.05	7.0%	19.18
Public Supply	SRWMD	13.83	7.0%	0.97
Domestic Self-supply and Small Public Supply Systems	SJRWMD	35.58	3.5%	1.25
Domestic Self-supply and Small Public Supply Systems	SRWMD	10.84	3.5%	0.38
Agricultural Irrigation Self-supply	SJRWMD	63.90	N/A	11.86
Agricultural Irrigation Self-supply	SRWMD	111.5	N/A	18.31
Landscape / Recreational Self-supply	SJRWMD	26.28	4.7%	1.24
Landscape / Recreational Self-supply	SRWMD	3.17	4.7%	0.15
Commercial / Industrial / Institutional Self-supply	SJRWMD	84.60	2.2%	1.86
Commercial / Industrial / Institutional Self-supply	SRWMD	46.80	2.2%	1.03
Power Generation Self-supply	SJRWMD	25.76	13.8%	3.55
Power Generation Self-supply	SRWMD	2.05	13.8%	0.28
SJRWMD Region 1 Total		510.17	31.0%	38.94
SRWMD NFRWSP Total		188.19	31.0%	21.12
NFRWSP Total		698.36	62.0%	60.06

 $\underline{https://app.powerbi.com/view?r=eyJrljoiNzBkZml0YjYtYThjYi00OWY0LTllZjgtNTk1NTNjNjRmYTMxliwidCl6lmNkZjlwZmQ4LTUzYzgtNDA5ZC1hZDViLTM4NDVmNjJiYWY2ZClslmMlOjJ9}$

^{1.)} First Conservation Scenario - Percent of potential conservation for public supply, domestic self-supply, landscape/recreational self-supply, commercial/industrial/institutional self-supply, and power generation self-supply were based on the 2020 CFWI estimated percent savings.

^{2.)} First Conservation Scenario - Agriculture is based on the Florida Department of Agriculture and Consumer Services Florida Statewide Agricultural Irrigation Demand VII Balmoral deliverable.

^{3.)} Projected 2045 water demand and 2045 conservation potential are shown in million gallons per day.

^{**}Interactive FSAID Power BI Conservation Slide 5

Table B-17. Average Gross Per Capita Scenario for Potential Public Supply Conservation for Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

County	Utility	CUP Number	2045 Population Projection	2045 Water Demand Projection	Utility-Level 2014 2018 Average Gross Per Capita	2014 2019	New 2045 Water Demand if Utility Level Average Gross Per Capita is limited to the Average Gross for Part I		Potential Reduction in 2045 Water Demand (Percent)
	City of Hawthorne	1674	2,426	0.21	88	121	0.21	0.00	0.0%
	Gainesville Regional Utilities (includes SRWMD)	11339	231,295	27.29	118				
Alachua - SJRWMD	Kincaid Hills Water Company	11343	654	0.11	161	121			
	Town of Micanopy	11356	1,073	0.08	71	121			
	Arredondo Utility Co / Aqua Source Utilities SJRWMD Alachua Total	11364, 132141	1,227	0.09	74				
	SJRWMD Alachua Total		236,675	27.78	N/A	N/A	27.75	-0.03	-0.1%
	City Of Newberry	216450	7,973	0.84	105	142	0.84	0.00	0.0%
Alaabiia	City Of Archer	216647	1,576	0.15	95				
Alachua - SRWMD	City Of High Springs Water Plant	216833	7,230	0.61	84				
ORWIND	City Of Waldo	217300	1,230	0.09	71	142			
	City Of Alachua SRWMD Alachua Total	220667	11,925 29,934	1.44 3.13	121 N/A	142 N/A			
	SRWMD Alacitua Total		29,934	3.13	N/A	IN/A	3.13	0.00	0.076
Baker -	City of Macclenny	15	7,528	1.05	139	121	0.91	-0.14	-13.2%
SJRWMD	Town of Glen St Mary	24	502	0.04	74				
	SJRWMD Baker Total		8,030	1.09	N/A	N/A	0.95	-0.14	-12.8%
Bradford -	Olava Olavaska I Ikilika Alakharika	404	455	0.04	400	404	0.04	0.00	0.00/
SJRWMD	Clay County Utility Authority SJRWMD Bradford Total	431	155 155	0.01 0.01	102				
	SJRWMD Bradford Total		155	0.01	N/A	N/A	0.01	0.00	0.0%
Bradford - SRWMD	City of Starke	216650	8,653	0.91	105	142	0.91	0.00	0.0%
	City of Lawtey	218998	889	0.20	221	142			
	SRWMD Bradford Total		9,542	1.11	N/A	N/A			
		416, 431, 137335		23.19	102	121			
	Clay County Utility Authority		227,726						
Clay - SJRWMD	Town of Orange Park	453	10,076	0.98	97				
	City of Green Cove Springs	499	8,702	1.40	161	121			
	JEA (Also in Duval, Nassau, St. Johns)	88271	27,114	0.00	0	121			N/A
	SJRWMD Clay Total	T	273,618	25.57	N/A				
	City of Lake City	217754	22,252	3.94	177			-0.78	-19.8%
Columbia - SRWMD	Columbia County Board of Commissioners	220704	94	0.06	635			-0.05	-77.8%
	North Florida Mega Industrial Park Wellfield	239112	0	2.16	N/A	142	2.16	0.00	0.0%
	SRWMD Columbia Total		22,346	6.16	N/A	N/A	5.33	-0.83	-13.4%
	CSWR - Florida Utility Operating Company, LLC	756	1,015	0.08	77	121	0.08	0.00	0.0%
	City of Baldwin	784	2,260	0.36	161	121			-24.0%
	City of Jacksonville Beach	793	26,195	2.80	107				
Duval - SJRWMD	Atlantic Beach Utility	810	31,857	3.12					
	City of Neptune Beach	842	7,283	0.92	126				
				0.92					N/A
	St Johns County Utilities / Intercoastal (Also in St. Johns)	1142	85		N/A				
	Normandy Villages Utilities	50293	3,313	0.30	90				
	JEA (Also in Clay, Nassau, St. Johns)	88271	998,910	151.39	152	i			
	SJRWMD Duval Total		1,070,918	158.97	N/A		1		
	City of Flagler Beach	59	7,044	1.01	144	121	0.85	-0.16	-15.6%
	City of Palm Coast	1947	125,437	11.04	88	121	11.04	0.00	0.0%
Flagler - SJRWMD	Plantation Bay Utility Company (Also in Volusia)	1960	1,784	0.24	69	121	0.24	0.00	0.0%
	City of Bunnell	1982	8,174	1.07	131	121	0.99	-0.08	-7.6%
	Manufactured Home Communities	2002	1,284	0.11	85	121	0.11	0.00	0.0%
	City of Ormond Beach (Also in Volusia)	8932	622	0.00	N/A	121			N/A
	Volusia County Utilities (Also in Volusia)	50157, 50659, 86278	459	0.00	N/A	121			N/A
	Dunes Community Development District	51136	4,551	0.86	188				
	SJRWMD Flagler Total		149,355	14.33	N/A				
	City of Trenton Water Treatment Plant	246452		0.28		1	1		
Gilchrist -		216453	2,710		104				
SRWMD	Fanning Springs (Also in Dixie and Levy)	220310	2,880	0.00 0.28	0 N/A	142 N/A			N/A 0.0%
	SRWMD Gilchrist Total								

Table B-17, Continued. Average Gross Per Capita Scenario for Potential Public Supply Conservation for Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District.

ings e Springs inty Water Facilities SRWMD Hamilton Total Indina Beach Indina Beach Indina Beach Indina Utilities Clay, Duval, St. Johns / Old 942) SJRWMD Nassau Total Idachen Indina Beach Indina Be	216567 216651 220443 220463 122 922 948 50087 88271 1624, 8150 1627 7961 7981 8114 8168 92165	699 877 0 3,736 3,736 5,312 20,476 2,861 4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	0.15 0.05 0.13 0.70 1.03 3.46 0.30 0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15 0.28	58 N/A 188 N/A 169 104 75 147 45 N/A 88 96 90 69	142 142 142 142 N/A 121 121 121 121 121 121 121 121 121	0.10 0.05 0.13 0.53 0.81 2.48 0.30 0.37 1.18 2.69 7.02 0.08 0.17 0.15 0.07	0.00 0.00 -0.17 -0.22 -0.98 0.00 -0.26 0.00 -1.24 0.00 0.00 0.00 0.00	0.0% -24.2% -21.4% -28.4% 0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
SRWMD Hamilton Total SRWMD Hamilton Total Indina Beach	220443 220463 122 922 948 50087 88271 1624, 8150 1627 7961 7981 8114 8168	0 3,736 5,312 20,476 2,861 4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	0.13 0.70 1.03 3.46 0.30 0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28	N/A 188 N/A 169 104 75 147 45 N/A 88 96 90 69	142 142 N/A 121 121 121 121 121 121 121 121 121 12	0.13 0.53 0.81 2.48 0.30 0.37 1.18 2.69 7.02 0.08 0.17 0.15 0.07	0.00 -0.17 -0.22 -0.98 0.00 0.00 -0.26 0.00 -1.24 0.00 0.00 0.00	0.0% 0.0% -24.2% -21.4% -28.4% 0.0% 0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
SRWMD Hamilton Total Indina Beach Indina Be	220463 122 922 948 50087 88271 1624, 8150 1627 7961 7981 8114 8168	5,312 20,476 2,861 4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	0.70 1.03 3.46 0.30 0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	188 N/A 169 104 75 147 45 N/A 88 96 90 69 106	142 N/A 121 121 121 121 121 121 121 121 121 12	0.53 0.81 2.48 0.30 0.37 1.18 2.69 7.02 0.08 0.17 0.15 0.07	-0.17 -0.22 -0.98 0.00 0.00 -0.26 0.00 -1.24 0.00 0.00 0.00 0.00	-24.2% -21.4% -28.4% 0.0% 0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
SRWMD Hamilton Total Indina Beach Indina Bea	122 922 948 50087 88271 1624, 8150 1627 7961 7981 8114 8168	5,312 20,476 2,861 4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	1.03 3.46 0.30 0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	N/A 169 104 75 147 45 N/A 88 96 90 69 106	N/A 121 121 121 121 121 121 121 121 121 12	0.81 2.48 0.30 0.37 1.18 2.69 7.02 0.08 0.17 0.15	-0.22 -0.98 0.00 0.00 -0.26 0.00 -1.24 0.00 0.00 0.00	-21.4% -28.4% 0.0% 0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
ndina Beach shan rrd ia Utilities Clay, Duval, St. Johns / Old 942) SJRWMD Nassau Total lachen ent City er Association iilities Management Assoc. a aka	922 948 50087 88271 1624, 8150 1627 7961 7981 8114 8168	20,476 2,861 4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	3.46 0.30 0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	169 104 75 147 45 N/A 88 96 90 69 106	121 121 121 121 121 N/A 121 121 121 121	2.48 0.30 0.37 1.18 2.69 7.02 0.08 0.17 0.15	-0.98 0.00 0.00 -0.26 0.00 -1.24 0.00 0.00 0.00	-28.4% 0.0% 0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
shan Indicate the second state of the second	922 948 50087 88271 1624, 8150 1627 7961 7981 8114 8168	2,861 4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	0.30 0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	104 75 147 45 N/A 88 96 90 69	121 121 121 121 N/A 121 121 121 121	0.30 0.37 1.18 2.69 7.02 0.08 0.17 0.15	0.00 0.00 -0.26 0.00 -1.24 0.00 0.00 0.00	0.0% 0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
rd ia Utilities Clay, Duval, St. Johns / Old 942) SJRWMD Nassau Total lachen ent City er Association iilities Management Assoc. a aka hty BOCC	948 50087 88271 1624, 8150 1627 7961 7981 8114 8168	4,889 9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	0.37 1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	75 147 45 N/A 88 96 90 69	121 121 121 N/A 121 121 121 121	0.37 1.18 2.69 7.02 0.08 0.17 0.15	0.00 -0.26 0.00 -1.24 0.00 0.00 0.00	0.0% -17.9% 0.0% -15.0% 0.0% 0.0% 0.0%
ia Utilities Clay, Duval, St. Johns / Old 942) SJRWMD Nassau Total lachen ent City er Association illities Management Assoc. a aka hty BOCC	50087 88271 1624, 8150 1627 7961 7981 8114 8168	9,775 59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	1.44 2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	147 45 N/A 88 96 90 69	121 N/A 121 121 121 121 121 121	1.18 2.69 7.02 0.08 0.17 0.15 0.07	-0.26 0.00 -1.24 0.00 0.00 0.00 0.00	-17.9% 0.0% -15.0% 0.0% 0.0% 0.0% 0.0%
SJRWMD Nassau Total lachen ent City er Association iilities Management Assoc. a aka	88271 1624, 8150 1627 7961 7981 8114 8168	59,307 97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	2.69 8.26 0.08 0.17 0.15 0.07 1.28 0.15	45 N/A 88 96 90 69	121 N/A 121 121 121 121 121	2.69 7.02 0.08 0.17 0.15 0.07	0.00 -1.24 0.00 0.00 0.00 0.00	0.0% -15.0% 0.0% 0.0% 0.0%
SJRWMD Nassau Total lachen ent City er Association illities Management Assoc. a aka hty BOCC	1624, 8150 1627 7961 7981 8114 8168	97,308 959 1,805 1,650 1,001 12,053 2,668 2,857	8.26 0.08 0.17 0.15 0.07 1.28 0.15	N/A 88 96 90 69 106	N/A 121 121 121 121 121	7.02 0.08 0.17 0.15 0.07	-1.24 0.00 0.00 0.00 0.00	-15.0% 0.0% 0.0% 0.0% 0.0%
lachen ent City er Association ilities Management Assoc. a aka hty BOCC	1627 7961 7981 8114 8168	959 1,805 1,650 1,001 12,053 2,668 2,857	0.08 0.17 0.15 0.07 1.28 0.15	88 96 90 69 106	121 121 121 121 121	0.08 0.17 0.15 0.07	0.00 0.00 0.00 0.00	0.0% 0.0% 0.0% 0.0%
ent City er Association ilities Management Assoc. a aka nty BOCC	1627 7961 7981 8114 8168	1,805 1,650 1,001 12,053 2,668 2,857	0.17 0.15 0.07 1.28 0.15	96 90 69 106	121 121 121 121	0.17 0.15 0.07	0.00 0.00 0.00	0.0% 0.0% 0.0%
er Association iilities Management Assoc. a aka tty BOCC	7961 7981 8114 8168	1,650 1,001 12,053 2,668 2,857	0.15 0.07 1.28 0.15	90 69 106	121 121 121	0.15 0.07	0.00	0.0% 0.0%
ilities Management Assoc. a aka nty BOCC	7981 8114 8168	1,001 12,053 2,668 2,857	0.07 1.28 0.15	69 106	121 121	0.07	0.00	0.0%
a aka nty BOCC	8114 8168	12,053 2,668 2,857	1.28 0.15	106	121			
aka aty BOCC	8168	2,668 2,857	0.15			1.28	0.00	0.0%
nty BOCC		2,857		55	101			0.0 /0
	92165		0.20		121	0.15	0.00	0.0%
S IRWMD Dutnam Total		T T	0.28	98	121	0.28	0.00	0.0%
SULVIND FULLIANT TOTAL		22,993	2.18	N/A	N/A	2.18	0.00	0.0%
Utilities	157	5,077	0.69	136	121	0.61	-0.08	-11.0%
ater Company	324	933	0.06	68	121	0.06	0.00	0.0%
unty Utilities / Intercoastal (Also in Duval)	1142	33,776	8.40	249	121	4.09	-4.31	-51.3%
unty Utilities	1198	195,538	15.20	78	121	15.20	0.00	0.0%
unty Utilities	1392	2,862	0.08	28	121	0.08	0.00	0.0%
gustine Utilities	50299	43,975	4.93	112	121	4.93	0.00	0.0%
Clay, Duval, Nassau)	88271	155,377	6.50	42	121	6.50	0.00	0.0%
SJRWMD St. Johns Total		437,538	35.86	N/A	N/A	31.47	-4.39	-12.2%
born	216507	613	0.05	79	142	0.05	0.00	0.0%
ford	216658	927	0.11	120	142	0.11	0.00	0.0%
ian Village	219527	1,579	0.31	199	142	0.22	-0.09	-27.7%
ak	220612	7,319	1.40	191	142	1.04	-0.36	-25.8%
	SRWMD Suwannee Total		1.87	N/A	N/A	1.42	-0.45	-23.9%
	220148	1,905	0.25	129	142	0.25	0.00	0.0%
		1,905	0.25	N/A	N/A	0.25	0.00	0.0%
SRWMD Suwannee Total							-38.91	-13.5%
SRWMD Suwannee Total Butler	Region I SJRWMD 201	2,378,947		N/A 121	N/A	248.97		
	k SRWMD Suwannee Total	k 220612 SRWMD Suwannee Total utler 220148	k 220612 7,319 SRWMD Suwannee Total 10,438 atter 220148 1,905 SRWMD Union Total 1,905	k 220612 7,319 1.40 SRWMD Suwannee Total 10,438 1.87 itler 220148 1,905 0.25 SRWMD Union Total 1,905 0.25	k 220612 7,319 1.40 191 SRWMD Suwannee Total 10,438 1.87 N/A itler 220148 1,905 0.25 129 SRWMD Union Total 1,905 0.25 N/A	k 220612 7,319 1.40 191 142 SRWMD Suwannee Total 10,438 1.87 N/A N/A itler 220148 1,905 0.25 129 142 SRWMD Union Total 1,905 0.25 N/A N/A	k 220612 7,319 1.40 191 142 1.04 SRWMD Suwannee Total 10,438 1.87 N/A N/A N/A 1.42 utler 220148 1,905 0.25 129 142 0.25 SRWMD Union Total 1,905 0.25 N/A N/A N/A 0.25	k 220612 7,319 1.40 191 142 1.04 -0.36 SRWMD Suwannee Total 10,438 1.87 N/A N/A N/A 1.42 -0.45 itler 220148 1,905 0.25 129 142 0.25 0.00 SRWMD Union Total 1,905 0.25 N/A N/A N/A 0.25 0.00

Notes:

1.) Projected 2045 water demand and potential reduction is shown in million gallons per day.

2.) Due to feedback from stakeholders, 2045 demand projections have been updated to reflect what was modeled for the Black Creek Settlement Agreement and therefore don't reflect the 2014-2018 average per capita. The per capitas have been recalculated in this table based on the updated 2045 populations and demand.

Table B-18. Range of Potential Water Conservation for Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District

Country	The state of the s	Projected 2045 Water	Second Conservation Scenario		
County	Category	Demand	Percent Conservation	Projected 2045 Water Conservation	
	Public Supply	27.78	0.11%	0.03	
Alachua - SJRWMD	Domestic Self-supply and Small Public Supply Systems	1.00	0.11%	0.00	
	Total	28.78	0.11%	0.03	
	Public Supply	3.13	0.00%	0.00	
Alachua - SRWMD	Domestic Self-supply and Small Public Supply Systems	1.65	0.00%	0.00	
	Total	4.78	0.00%	0.0	
	Public Supply	1.09	12.76%	0.14	
Baker - SJRWMD	Domestic Self-supply and Small Public Supply Systems	2.90	12.76%	0.37	
	Total	3.99	12.76%	0.5	
	Public Supply	0.00	N/A	N/A	
Baker - SRWMD	Domestic Self-supply and Small Public Supply Systems	0.07	N/A	N/A	
	Total	0.07	N/A	N/A	
	Public Supply	0.01	0.00%	0.00	
Bradford - SJRWMD	Domestic Self-supply and Small Public Supply Systems	0.30	0.00%	0.00	
	Total	0.31	0.00%	0.00	
	Public Supply	1.11	6.65%	0.07	
Bradford - SRWMD	Domestic Self-supply and Small Public Supply Systems	0.54	6.65%	0.04	
	Total	1.65	6.65%	0.1′	
	Public Supply Personal Supply and Small Bublic Supply Systems	25.57	1.36%	0.35	
Clay - SJRWMD	Domestic Self-supply and Small Public Supply Systems	4.77	1.36%	0.06	
	Total	30.34	1.36%	0.4	
	Public Supply Paractic Self supply and Small Bublic Supply Systems	6.16	13.42%	0.83	
Columbia - SRWMD	Domestic Self-supply and Small Public Supply Systems	3.19	13.42%	0.4	
	Total	9.35	13.42%	1.20	
	Public Supply	158.97	19.28%	30.69	
Duval - SJRWMD	Domestic Self-supply and Small Public Supply Systems	16.25	19.28%	3.1	
	Total	175.22	19.28%	33.78	
	Public Supply	14.33	3.82%	0.5	
Flagler - SJRWMD	Domestic Self-supply and Small Public Supply Systems	0.40	3.82%	0.0	
	Total	14.73	3.82%	0.5	
	Public Supply	0.28	0.00%	0.0	
Gilchrist - SRWMD	Domestic Self-supply and Small Public Supply Systems	1.26	0.00%	0.0	
	Total Dublic Supply	1.54	0.00%	0.0	
	Public Supply Domestic Self-supply and Small Public Supply Systems	1.03	21.38%	0.2 0.1	
Hamilton - SRWMD		0.67	21.38%		
	Total	1.70	21.38%	0.3	
Necesia CIDMAD	Public Supply Domestic Self-supply and Small Public Supply Systems	8.26 2.28	15.01% 15.01%	1.2 0.3	
Nassau - SJRWMD	Total	10.54	15.01%	1.5	
	Public Supply	2.18	0.00%	0.0	
Putnam - SJRWMD	Domestic Self-supply and Small Public Supply Systems	3.24	0.00%	0.0	
i dulam - Outvivid	Total	5.42			

Table B-18, Continued. Range of Potential Water Conservation for Region 1 of the St. Johns River Water Management District and the North Florida Regional Water Supply Planning Region of the Suwannee River Water Management District

St. Johns - SJRWMD	Public Supply	35.86	12.24%	4.39
	Domestic Self-supply and Small Public Supply Systems	4.44	12.24%	0.54
	Total	40.30	12.24%	4.93
	Public Supply	1.87	23.88%	0.45
Suwannee - SRWMD	Domestic Self-supply and Small Public Supply Systems	2.80	23.88%	0.67
	Total	4.67	23.88%	1.12
	Public Supply	0.25	0.00%	0.00
Union - SRWMD	Domestic Self-supply and Small Public Supply Systems	0.66	0.00%	0.00
	Total	0.91	0.00%	0.00
	Public Supply	287.88	13.52%	38.91
NFRWSP Total	Domestic Self-supply and Small Public Supply Systems	46.42	12.38%	5.75
	Total	334.30	13.36%	44.65

^{1.)} Second Conservation Scenario - Public supply is based on savings achieved if each Part 2014-2018 average gross per capita rate was met by respective utilities. The same percent savings are applied to the domestic self-supply category

^{2.)} Projected 2045 water demand and 2045 water conservation potential are shown in million gallons per day

Population Estimation and Projection Technical Memorandum (2014-2018)

Overview

The Suwannee River Water Management District (SRWMD) estimated population for 2014-2018 and developed population projections from 2020-2045 which will be used for upcoming water supply planning efforts. Estimating an accurate population for the SRWMD is important for planning purposes because it forms the foundation of estimating and projecting water use for different categories within each county. This technical memorandum provides information on the data sources used, methodology and results of the population estimation process.

Data

This section explains the data that were used to estimate population, where the data came from, and how or why data were used.

Bureau of Economic and Business Research (BEBR)

BEBR publishes estimates of population and persons per household in Florida on a county-wide basis. These data are updated and published annually. They also publish population projections by county on a 25-year planning horizon. The SRWMD uses the annual and projected populations (medium series) to estimate population. Additional data sources described below are used to estimate residential populations within the county as well as prepare estimates of residential population on public supply versus self-supply.

Public Supply Utility Data

The SRWMD sent out a public supply (PS) data request in October 2019 to utilities inquiring about estimated population served by the utility, annual water use by category (residential, commercial, institutional, other), water connections by category, per capita rates (if known), and any additional information related to public supply service area boundaries (PSAB) and/or water lines. These data were used to estimate the 2018 residential population being served by the utility's water system and to calculate gross and residential per capita rates.

Public Supply Service Area Boundary (PSAB)

The SRWMD used the existing PSAB data collected for the 2017 North Florida Regional Water Supply Partnership (NFRWSP) Plan and made updates to the boundaries based on information provided by utilities. These data are in a shapefile format and show the extent of public supply service areas. The boundaries are used to estimate the potential served population. The potential served population is estimated to evaluate the maximum number of people that could be served by the utility using parcel data and published estimates of persons per household. This estimate is used to project population growth within the county.

Parcel Layer

The parcel layer data originates from each individual county property appraiser and is sent to the Florida Department of Revenue (FDOR) once a year. The SRWMD's contractors, Quantum Spatial and Panda Consultants, gather the data from the FDOR, compile it, and deliver it back to the SRWMD. Later in the year, they make updates from data received from each property appraiser. All water

management districts (districts) individually contract with Quantum Spatial who uses Panda Consultants to process the data. All districts use the same specifications to ensure a consistent and complete dataset. The SRWMD used these data to estimate population served where utility data was not available, to estimate population distribution within counties served by two districts, and to calculate the potential served population inside of a PSAB.

Methodology

This section describes the methods used for estimating split counties, or counties that are shared with adjacent water management districts, as well as estimating served, non-served, institutional, and projected population.

Total County-wide Population

The BEBR county-wide population estimates, without institutional population, for 2014-2018 were used for the estimation of the total residential population (BEBR 2014, 2015, 2016, 2017, 2018). For split counties in the Western Region, a percent share was used to calculate the total population residing in the SRWMD's portion of the county.

Split Counties

The SRWMD shares five counties with adjacent districts. These counties are Alachua, Baker, Bradford, Jefferson, and Levy counties. For counties in the NFRWSP area, population estimates and projections for Alachua, Baker, and Bradford counties were developed in coordination with the St. Johns River Water Management District (SJRWMD). The total county-wide population estimates came from BEBR. The population model created by the SJRWMD was applied to estimate the population in the SJRWMD portion of NFRWSP counties for 2014-2018. The remainder of the population was assumed to be residing in the SRWMD's portion of shared counties.

For counties that are not located in the NFRWSP area, the SRWMD used the parcel layer to calculate the percent of dwelling units located in the SRWMD's portion of the counties. These counties include Jefferson and Levy counties. The percent share was calculated by taking the number of dwelling units in the SRWMD's portion of the county, dividing it by the total number of dwelling units in the county, and multiplying it by 100. For SRWMD planning efforts, this percent share was calculated annually for 2014-2018 to consider any shifts in dwelling units.

Public Supply and Small Public Supply (Served Population)

The served population is defined as the number of people receiving their water use from a public supply utility. The served population for 2018 was provided by many utilities from the public supply utility data request. For utilities that did not have an estimate of their served population, the SRWMD estimated the population by using the number of residential connections reported by the utility in the 2018 data request and multiplied them by BEBR's estimated persons per household for the corresponding county in which the public supply utility was located.

The potential served population was calculated to estimate the number of people served by a public supply utility from 2014-2017. The potential served population was estimated to evaluate the maximum number of people that could be served by the utility using parcel data and published estimates of persons per household. To calculate the potential served population, the number of residential dwelling units in a PSAB was multiplied by BEBR's estimated persons per household for the corresponding county and year. The percent change of potential served from one year to the next was used to estimate the served population from 2014-2017. To calculate the served population, the potential served population estimates for a given year were divided by the 2018 potential served

population and multiplied by the 2018 utility reported population. Below shows an example of the formula used to calculate the served population for 2017.

$$2017 \ served \ population = \frac{2017 \ potential \ served}{2018 \ potential \ served} \ X \ 2018 \ utility \ reported \ population$$

There are two utilities for which additional data was used to estimate the served population. First, the City of Lake City provided additional data on residential connections that was used to calculate the served population for 2015-2018. The number of residential connections was multiplied by an estimate of 2.5 persons per household.

The second utility that provided additional information was Jefferson Communities Water System (JCWS). JCWS has two different systems located in the SRWMD; the Lloyd system which is split between the SRWMD and the Northwest Florida Water Management District (NWFWMD), and the Lamont system which is wholly encompassed in the SRWMD. To estimate the served population for Lloyd portion of JCWS, the SRWMD calculated the percent of parcels in the PSAB that fell within the SRWMD boundary. The 2018 served population was then multiplied by this percent to estimate the 2018 population served in the SRWMD's portion of the Lloyd system. The formula above was then used to estimate the served population for 2014-2017. JCWS provided estimates of population served for the Lamont system.

Population estimates for the SRWMD's portion of Gainesville Regional Utilities (GRU), Clay County Utility Authority, and Melrose Water Association were provided by the SJRWMD. These estimates were incorporated into the served population estimates for Alachua and Bradford counties and used to more accurately estimate the non-served population.

For small public supply permits that did not have a PSAB (i.e., mobile home parks), the served population was estimated based on the information provided in the permit. This estimate of population was held constant for current and projected years (2014-2018, 2020-2045).

Domestic Self Supply (Non-served Population)

The non-served population is defined as the number of people getting their water use from their own domestic self-supply well. This population was estimated by taking the total BEBR county-wide population estimate, less institutional population, and subtracting the served population.

Institutional Population

Correctional facilities and prisons located in the SRWMD are either connected to a public supply utility or are self-supplied and have an institutional water use permit that is required to report use. This institutional use is therefore already being accounted for in the water use estimates for either the public supply (PS) or commercial/industrial/institutional category (CII). Accounting for the institutional population separately enables the SRWMD to more accurately estimate the non-served population and the water use associated with the DSS category. The SRWMD used the 2014-2018 BEBR published inmate population estimates to determine the institutional population by county. To be consistent with BEBR Volume 53, Bulletin 186, which was used for projections, the 2019 institutional population was used as the projected population and held constant through the 2020-2045 planning period (Rayer, S. and Y. Wang. 2020).

Projections

County population projection estimates published by BEBR in January 2020 were used for estimating population from 2020-2045 (Rayer, S. and Y. Wang. 2020). The percent split calculated for 2018 was used to estimate the future populations of shared counties in the Western Region. In the NFRWSP, the county population estimated for the SRWMD is the difference between the BEBR estimate and the SJRWMD projected estimate for each projected year (2020, 2025, 2030, 2035, 2040, and 2045). Because BEBR's projection estimates include both residential and institutional population, the institutional population was subtracted out to be able to get an accurate estimate of the non-served residential population in the future. The institutional population was held constant through the projection period.

In some counties, the 2020 projected population was less than the estimated 2018 population, therefore there was a negative projection estimate due to the variability in the estimation of the institutional population. For counties with a negative projected population for 2020, the estimated total population was set equal to the 2018 total population and grown by the number of people BEBR projected for each time increment. Counties adjusted included Hamilton, Madison, and Union counties. Counties that had a positive 2020 projected residential population estimate were grown by the BEBR reported population projections, less the estimate of institutional population.

The SRWMD applied the population model created by the SJRWMD to distribute projected future population within the county (SJRWMD. 2021). This model also estimated the projected future served populations within PSABs. The projected future served population estimates were subtracted from the county-wide residential projections to get an estimate of the non-served projected population.

Stakeholder Outreach

The SRWMD summarized each utility's population and water use estimates and projections. We reached out to individual utilities to discuss the data and further refine our estimates. We made updates to the served population estimates for 2014-2018 for utilities that provided comments. If documentation was provided to substantiate higher growth estimates than the model predicted, then estimates were updated. For example, the City of Newberry provided the SRWMD with a citywide Equivalent Residential Unit (ERU) water use study with estimates and projections for their utility to substantiate a different growth rate.

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Technical Memorandum Methodology for Generating Utility Level Projections and Buildout Estimates Using Parcel Data June 25, 2021

Through: Tammy Bader-Gibbs, Technical Program Manager

Clay Coarsey, P.E., Bureau Chief

From: Rebecca May, Water Use Analyst

Background

The earliest St. Johns River Water Management District's (District) efforts to distribute the Bureau of Economic and Business Research (BEBR) population estimates and projections to parcels were led by Dr. Nitesh Tripathi and Dr. Eugene Agyei and used Visual Basic software. The current model, refined by Yassert Gonzalez and James Walters, uses Python to distribute BEBR estimates and projections to parcels. The land use parcel layer is compiled by Panda Consultants and contains data from tax property appraiser databases. The data in the parcel layer relevant to this project are as follows: use class designations for all parcels (e.g., which parcels are considered single family or multi-family), year built, and residential unit counts. If there were null or zero values in necessary fields of this layer, estimations were made (described below). All examples of calculations in this technical memorandum were derived in 2019 and do not reflect the most recent data.

Overview

The tasks described in this memorandum are as follows:

- 1) Added district, utility, and census attributes to parcel centroids
- 2) Identified developed and developable parcels
- 3) Distributed current population to developed residential parcels
- 4) Calculated persons per acre from developed acreage
- 5) Generated buildout estimates
- 6) Ranked developable parcels
- 7) Generated projections for the period 2020 through 2045

The above tasks were performed using python scripts written in PyCharm. See Figure 1 for a simplified graphical.

June 25, 2021

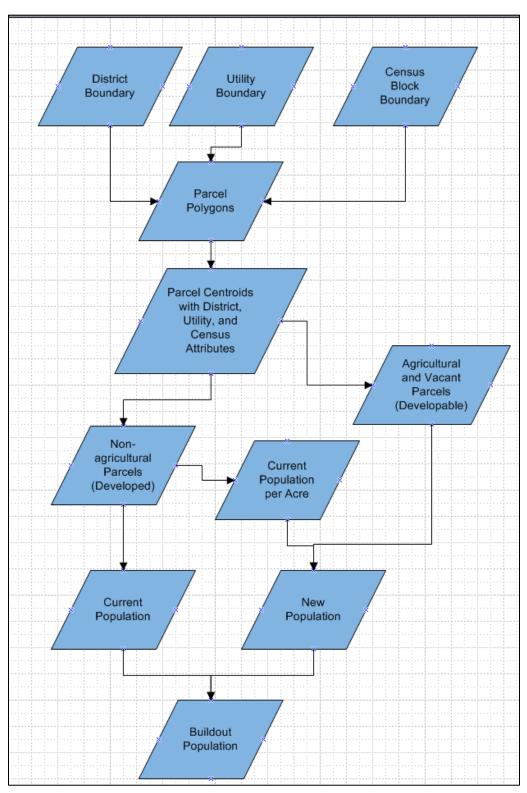


Figure 1. Overview of the buildout population estimation process

Data Sources

June 25, 2021

The datasets used were:

- 1) Parcel centroids generated from the land use parcel polygon dataset provided by Panda Consulting. Water management district, planning region, utility, and census block information were assigned to these centroids.
- 2) Utility-level served population estimates (if available)
- 3) BEBR's countywide population estimates
- 4) BEBR's countywide medium projections (2020-2045)
- 5) Parcel development rank table
- 6) Public Supply service area boundaries (PSABs)

Parcel Classification for Historical Data

Assumptions:

- 1) Parcels classified as "CENTRALLY ASSESSED (098)" were excluded from "developable" parcels. These are parcels owned by railroads and other large industrial businesses.
- 2) Developed residential parcels were classified as follows:
 - a. Single Family
 - i. Customer class category is comprised of Single Family and Mobile Homes
 - ii. Zero or null values were replaced with the consumptive use permit (CUP) level average residential units for single family residences.
 - 1. Through conducting QA/QC of the data, single family parcels were reviewed using basemap imagery in ArcMap to verify if there were residential units present despite the null or zero values in the property appraiser data.

b. Multi-Family

- i. Customer class category includes condominiums, cooperatives, multifamily, mobile home parks, and undefined (see 3.h. definition below for undefined).
- ii. Zero or null values were replaced with the CUP-level average residential units for multi-family residences.
 - 1. If CUP-level data was not available, county-level data was used.
 - 2. Through conducting QA/QC of the data, multi-family parcels were reviewed using basemap imagery in ArcMap to verify if there were residential units present despite the null or zero values in the property appraiser data.
- 3) Parcel use types and codes for Single Family and Multi-Family residential parcels:
 - a. CONDOMINIA (004) Condominium developments. The units are owned individually. Classified as Multi-Family.
 - b. COOPERATIVES (005) Condominium developments. The units are owned cooperatively. Classified as Multi-Family.
 - c. MOBILE HOMES (002) Individual mobile homes. Classified as Single Family.
 - d. MULTI-FAMILY 10 UNITS OR MORE (003) Large apartment complexes with at least 10 residential units. Classified as Multi-Family.
 - e. MULTI-FAMILY LESS THAN 10 UNITS (008) Smaller apartment complexes with less than 10 residential units. Classified as Multi-Family.
 - f. PARKING LOTS (COMMERCIAL OR PATRON) MOBILE HOME PARKS (028) Mobile home parks. Classified as Multi-Family.
 - g. SINGLE FAMILY (001) Single family homes. Classified as Single Family.
 - h. UNDEFINED RESERVED FOR USE BY DEPARTMENT OF REVENUE (009) -

Condominium developments. The units are owned cooperatively. Classified as Multi-Family.

- 4) It was assumed that the persons per acre ratio does not change over the planning horizon.
- 5) The buildout figures only apply to the current public service area boundary. If PSAB changes occur, the buildout analysis needs to be redone.

Calculating Residential Unit Share

The data provided in the property appraiser layer contained missing or zero values for some single family and multi-family parcels. Therefore, the original residential unit counts were modified by replacing the nulls and zeroes where applicable. The residential unit share for each utility was derived by dividing the number of residential units within a given PSAB by the total for the county. The non-served population outside PSABs was also derived in this manner: the residential units that did not fall within a service area were divided by the countywide total number of residential units.

Estimating Served and Non-Served Population

The total population within each PSAB was estimated by multiplying the countywide BEBR population by the share of residential units. If the population estimated from the share of residential units was greater than the reported served population, the difference was assumed to be the non-served population within the public service area boundary. If the utility did not report a population estimate, it was assumed that the entire population estimated by the share of residential units was served. For areas outside PSABs, the population was calculated by multiplying the residential unit share by the countywide BEBR population estimate. Historical population was distributed to residential parcels evenly by dividing the population by the number of single family/multi-family residential units.

Population Calculation Example Using Palm Coast (CUP# 1947)

After infilling null and missing values in the residential unit counts from the original layer, residential units for single and multi-family homes in Palm Coast increased 6.52% (Table 1). There were 40,357 single and multi-family residential units in Palm Coast in 2019. There were 51,170 single and multi-family residential units in Flagler County. Thus, the share of residential units inside the Palm Coast's PSAB was approximately 78.87% (i.e., 40,357/51,170). The BEBR 2017 countywide population for Flagler County was 105,157 persons, which was used to calculate the total population for each served and non-served region. Therefore, in Palm Coast the total population was 82,936 persons (i.e., 105,157*78.87%). The estimated 2017 served population for Palm Coast was 82,137 persons. Therefore, the non-served population within Palm Coast's service area was 799 persons (i.e., 82,936-82,137). Due to multiple public supply utilities exceeding their residential share (i.e., CUPs 1982,1979,1953,8932, and Flagler County Utilities), the Flagler countywide total population for 2017 exceeds the published BEBR county estimate (108,309 > 105,157).

Calculating Buildout Population

Once the served and non-served populations were determined for the historical period, the buildout value for the public service area boundary was calculated. The buildout is a theoretical maximum population that a PSAB can contain if all developable land is developed for residential uses. The average person per acre was calculated and then multiplied by the sum of developed and developable acres. The following sections and figures use Palm Coast (CUP# 1947) as an example for how the Python script works and applies the buildout concept to a public supply utility. The PSAB and the parcels intersecting the PSAB are shown in Figures 2 and 3, below.

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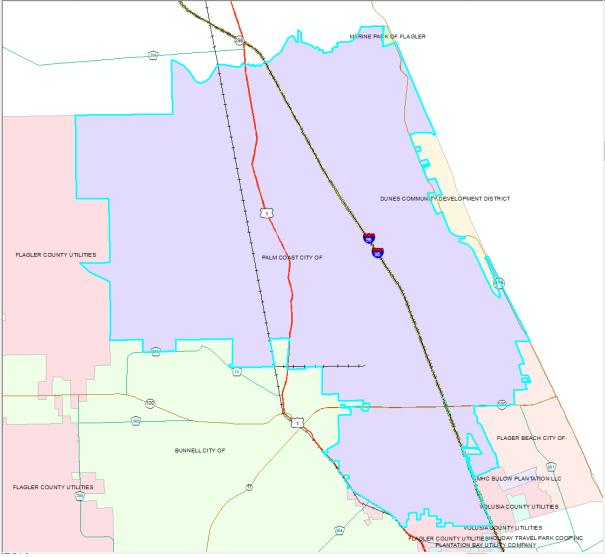


Figure 2. Public service area boundary served by Palm Coast (Consumptive Use Permit 1947)

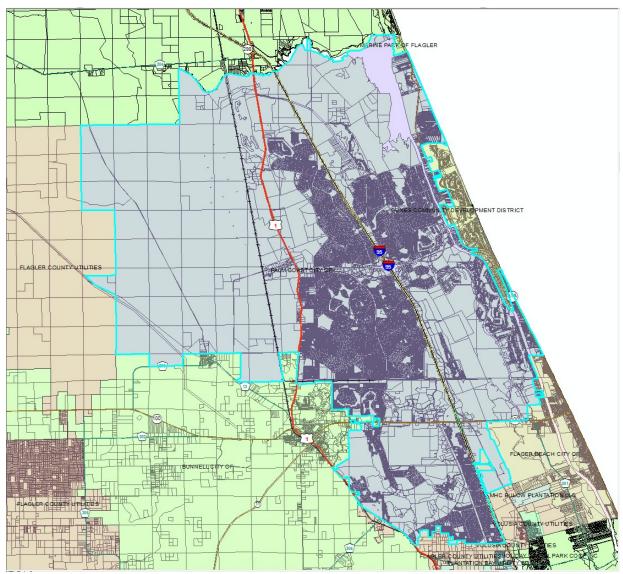


Figure 3. Parcels intersecting the public service area boundary served by Palm Coast (Consumptive Use Permit 1947)

Estimating Buildout Population for Palm Coast (CUP# 1947)

For Palm Coast, the average person per acre in 2017 was 6.87 (i.e., 82,936 persons/12,079 residential acres). The average served and non-served persons per acre were calculated by dividing the served or non-served populations by the residential acreage. Therefore, the served persons per acre was 6.8 (82,136 persons/12,079 residential acres), and the non-served persons per acre was 0.07 (799 persons/12,079 residential acres).

Palm Coast is comprised of 81,412 acres (Table 2). There were 40,912 acres zoned agricultural or vacant residential, which were considered developable in the future.

The buildout population was 360,787 persons (Table 3). This theoretical number is the sum of the current population in developed parcels (82,136 persons) and the potential population in developable parcels 278,651 persons (i.e., 6.8 persons/acre * 40,912 developable acres).

Parcel Classification for Projections

Parcel centroids were classified as follows:

- 1) Unavailable
 - a. CAMPS (036) Campgrounds
 - b. CENTRALLY ASSESSED (098) Acreage owned by railroad and other large industrialists. At some point in the future these parcels may be developed, however, the present analysis excludes them.
 - c. FOREST, PARKS, RECREATIONAL AREAS (082)
 - d. STATE, OTHER THAN MILITARY, FORESTS, PARKS, RECREATIONAL AREAS (087)
- 2) Developed Parcels that have already been developed (e.g., "SINGLE FAMILY (001)", "STORES, ONE STORY (011)", and "SUPERMARKETS (014)").
- 3) Developable Acres that are most likely to be developed in future.
 - a. Residential
 - i. VACANT RESIDENTIAL (000)
 - ii. MISCELLANEOUS RESIDENTIAL (MIGRANT CAMPS, BOARDING HOMES, ETC.) (007)
 - b. Agricultural
 - i. IMPROVED AGRICULTURAL (050)
 - ii. CROPLAND SOIL CAPABILITY CLASS I (051)
 - iii. CROPLAND SOIL CAPABILITY CLASS II (052)
 - iv. CROPLAND SOIL CAPABILITY CLASS III (053)
 - v. TIMBERLAND SITE INDEX 90 AND ABOVE (054)
 - vi. TIMBERLAND SITE INDEX 80 TO 89 (055)
 - vii. TIMBERLAND SITE INDEX 70 TO 79 (056)
 - viii. TIMBERLAND SITE INDEX 60 TO 69 (057)
 - ix. TIMBERLAND SITE INDEX 50 TO 59 (058)
 - x. TIMBERLAND NOT CLASSIFIED BY SITE INDEX TO PINES (059)
 - xi. GRAZING LAND SOIL CAPABILITY CLASS I (060)
 - xii. GRAZING LAND SOIL CAPABILITY CLASS II (061)
 - xiii. GRAZING LAND SOIL CAPABILITY CLASS III (062)
 - xiv. GRAZING LAND SOIL CAPABILITY CLASS IV (063)
 - xv. GRAZING LAND SOIL CAPABILITY CLASS V (064)
 - xvi. GRAZING LAND SOIL CAPABILITY CLASS VI (065)
 - xvii. ORCHARD GROVES, CITRUS, ETC. (066)

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- xviii. POULTRY, BEES, TROPICAL FISH, RABBITS, ETC. (067)
- xix. DAIRIES, FEED LOTS (068)
- xx. ORNAMENTALS, MISCELLANEOUS AGRICULTURAL (069)
- c. Miscellaneous
 - i. MINING LANDS, PETROLEUM LANDS, OR GAS LANDS (092)
- d. Non-Agricultural Acreage
 - i. ACREAGE NOT ZONED AGRICULTURAL (099)

Table 1. Residential units by parcel type for Palm Coast (consumptive use permit 1947) using 2019 parcels.

Parcel Use Description (PARUSEDESC)	Parcels	Percent of Total Parcels	Original Residential Units	Corrected Residential Units	Percent of Total Residential Units	Percent Change in Residential Units
CONDOMINIA	2,422	6.27%	2,418	2,443	6.05%	1.04%
COOPERATIVES	234	0.61%	0	468	1.16%	N/A
MOBILE HOMES	205	0.53%	74	211	0.52%	185.14%
MULTI-FAMILY - 10 UNITS OR MORE	7	0.02%	43	524	1.30%	1,118.99%
MULTI-FAMILY - LESS THAN 10 UNITS	820	2.12%	824	1,145	2.84%	38.95%
PARKING LOTS (COMMERCIAL OR PATRON) MOBILE HOME PARKS	14	0.04%	25	124	0.31%	397.37%
SINGLE FAMILY	34,485	89.22%	34,499	34,502	85.49%	0.01%
UNDEFINED - RESERVED FOR USE BY DEPARTMENT OF REVENUE	465	1.20%	4	940	2.33%	23,380.55%
Total	38,652	100.00	37,887	40,357	100.00%	6.52%

Note: Nominal discrepancies accounted for by rounding anomalies.

Table 2. Acreage by parcel use code for Palm Coast (consumptive use permit 1947) using 2019 parcels.

Parcel Use Description (PARUSEDESC)	Parcels	Percent of Total Parcels	Acreage	Percent of Total Acreage
NONE	446	0.74%	318.27	0.39%
ACREAGE NOT ZONED AGRICULTURAL	32	0.05%	4,079.61	5.01%
AIRPORTS (PRIVATE OR COMMERCIAL),BUS TERMINALS,MARINE TERMINALS,PIERS,MARINAS	2	0.00%	14.42	0.02%
AUTO SALES,AUTO REPAIR AND STORAGE,AUTO SERVICE SHOPS,BODY AND FENDER SHOPS,COMMERCIAL GARAGES	19	0.03%	53.74	0.07%
BOWLING ALLEYS,SKATING RINKS,POOL HALLS,ENCLOSED ARENAS	2	0.00%	7.97	0.01%
CENTRALLY ASSESSED	1	0.00%	207.81	0.26%
CHURCHES	27	0.04%	165.93	0.20%
CLUBS,LODGES,UNION HALLS	7	0.01%	28.23	0.03%
COLLEGES	1	0.00%	98.57	0.12%
COMMUNITY SHOPPING CENTERS	39	0.06%	152.16	0.19%
CONDOMINIA	2,422	4.03%	447.49	0.55%
COOPERATIVES	234	0.39%	18.90	0.02%
COUNTIES (OTHER THAN PUBLIC SCHOOLS,COLLEGES,HOSPITALS) INCLUDING NON-MUNICIPAL GOVERNMENT	190	0.32%	8,517.41	10.46%
DEPARTMENT STORES	2	0.00%	17.24	0.02%
DRIVE-IN RESTAURANTS	15	0.02%	19.03	0.02%
ENCLOSED THEATERS,ENCLOSED AUDITORIUMS	1	0.00%	18.48	0.02%
FEDERAL,OTHER THAN MILITARY,FORESTS,PARKS,RECREATIONAL AREAS	10	0.02%	83.86	0.10%
FINANCIAL INSTITUTIONS (BANKS,SAVING AND LOAN COMPANIES,MORTGAGE COMPANIES,CREDIT SERVICES)	19	0.03%	26.66	0.03%
FLORIST,GREENHOUSES	2	0.00%	3.06	0.00%
FOREST,PARKS,RECREATIONAL AREAS	11	0.02%	440.94	0.54%
GOLF COURSES,DRIVING RANGES	7	0.01%	1,595.03	1.96%
GRAZING LAND SOIL CAPABILITY CLASS I	7	0.01%	548.39	0.67%
GRAZING LAND SOIL CAPABILITY CLASS IV	3	0.00%	44.48	0.05%
HEAVY INDUSTRIAL,HEAVY EQUIPMENT MANUFACTURING,LARGE MACHINE SHOPS,FOUNDRIES,STEEL FABRICATING PLANT	2	0.00%	43.87	0.05%
HOMES FOR THE AGED	67	0.11%	80.56	0.10%
HOSPITALS	1	0.00%	93.96	0.12%
HOTELS,MOTELS	11	0.02%	38.99	0.05%

Parcel Use Description (PARUSEDESC)	Parcels	Percent of Total Parcels	Acreage	Percent of Total Acreage
IMPROVED AGRICULTURAL	6	0.01%	163.30	0.20%
LIGHT MANUFACTURING,SMALL EQUIPMENT MANUFACTURING PLANTS,SMALL MACHINE	28	0.05%	95.11	0.12%
MISCELLANEOUS RESIDENTIAL (MIGRANT CAMPS,BOARDING HOMES,ETC.)	188	0.31%	104.21	0.13%
MIXED USE - STORE AND OFFICE OR STORE AND RESIDENTIAL OR RESIDENTIAL COMBINATION	18	0.03%	25.66	0.03%
MOBILE HOMES	205	0.34%	56.80	0.07%
MORTUARIES,CEMETERIES,CREMATORIUMS	5	0.01%	17.01	0.02%
MULTI-FAMILY - 10 UNITS OR MORE	7	0.01%	162.00	0.20%
MULTI-FAMILY - LESS THAN 10 UNITS	820	1.36%	216.46	0.27%
MUNICIPAL,OTHER THAN PARKS,RECREATIONAL AREAS,COLLEGES,HOSPITALS	830	1.38%	4,653.59	5.72%
OFFICE BUILDINGS,NON-PROFESSIONAL SERVICE BUILDINGS,MULTI-STORY	17	0.03%	28.65	0.04%
OFFICE BUILDINGS,NON-PROFESSIONAL SERVICE BUILDINGS,ONE STORY	492	0.82%	70.12	0.09%
OPEN STORAGE,NEW AND USED BUILDING SUPPLIES,JUNK YARDS,AUTO WRECKING,FUEL STORAGE	13	0.02%	20.83	0.03%
ORPHANAGES,OTHER NON-PROFIT OR CHARITABLE SERVICES	1	0.00%	19.46	0.02%
PARKING LOTS (COMMERCIAL OR PATRON) MOBILE HOME PARKS	14	0.02%	71.71	0.09%
PRIVATE SCHOOLS AND COLLEGES	2	0.00%	4.54	0.01%
PROFESSIONAL SERVICE BUILDINGS	70	0.12%	44.80	0.06%
PUBLIC COUNTY SCHOOLS - INCLUDE ALL PROPERTY OF BOARD OF PUBLIC INSTRUCTION	21	0.03%	586.02	0.72%
REPAIR SERVICE SHOPS (EXCLUDING AUTOMOTIVE),RADIO AND T.V. REPAIR,REFRIGERATION SERVICE,ELECTRIC REP	2	0.00%	0.85	0.00%
RESTAURANTS,CAFETERIAS	11	0.02%	14.22	0.02%
RIGHT-OF-WAY,STREETS,ROADS,IRRIGATION CHANNEL,DITCH	161	0.27%	416.20	0.51%
RIVERS AND LAKES,SUBMERGED LANDS	56	0.09%	483.65	0.59%
SEWAGE DISPOSAL,SOLID WASTE,BORROW PITS,DRAINAGE RESERVOIRS,WASTE LAND	20	0.03%	174.46	0.21%
SINGLE FAMILY	34,485	57.34%	9,293.39	11.42%
STATE,OTHER THAN MILITARY,FORESTS,PARKS,RECREATIONAL AREAS	60	0.10%	3,901.99	4.79%
STORES,ONE STORY	48	0.08%	152.56	0.19%
SUPERMARKETS	2	0.00%	9.50	0.01%
TIMBERLAND - SITE INDEX 70 TO 79	36	0.06%	7,100.02	8.72%
TIMBERLAND - SITE INDEX 80 TO 89	117	0.19%	22,384.60	27.50%
TIMBERLAND - SITE INDEX 90 AND ABOVE	1	0.00%	79.47	0.10%
TIMBERLAND NOT CLASSIFIED BY SITE INDEX TO PINES	9	0.01%	1,090.98	1.34%
TOURIST ATTRACTIONS, PERMANENT EXHIBITS, OTHER ENTERTAINMENT FACILITIES, FAIRGROUNDS (PRIVATELY OWNED)	3	0.00%	113.07	0.14%
UNDEFINED - RESERVED FOR USE BY DEPARTMENT OF REVENUE	465	0.77%	1,812.48	2.23%
UTILITY,GAS AND ELECTRICITY,TELEPHONE AND TELEGRAPH,LOCALLY ASSESSED RAILROADS,WATER AND SEWER SERVICE	32	0.05%	318.68	0.39%
VACANT	3	0.00%	8.59	0.01%
VACANT COMMERCIAL	400	0.67%	4,740.54	5.82%
VACANT INDUSTRIAL	52	0.09%	369.63	0.45%
VACANT RESIDENTIAL	17,839	29.66%	5,316.81	6.53%
WAREHOUSING, DISTRIBUTION TERMINALS, TRUCKING TERMINALS, VAN AND STORAGE WAREHOUSING	26	0.04%	124.51	0.15%
Total	60,145	100.00%	81,412	100.00%

Parcel Use Description (PARUSEDESC)	Parcels	Percent of Total Parcels	Acreage	Percent of Total Acreage
Total Developable	18,238	30.32%	40,912	50.25%

Note: Nominal discrepancies accounted for by rounding anomalies.

Table 3. Current population estimates and buildout population served and non-served areas in Flagler County.

Utility Name	Consumptive Use Permit	Number of Residential Parcels	Heated Square Footage	Number of Residential Buildings	Number of Residential Units	Served Buildout Population	Non- Served Buildout Population	Total Buildout Population	2015 Served Population Estimate	2015 Non- Served Population Estimate	2015 Total Population Estimate	2017 Served Population Estimate	2017 Non- Served Population Estimate	2017 Total Population Estimate
BUNNELL CITY OF	1982	3,082	5,304,353	1,783	1,338	137,733	0	137,733	2,875	0	2,875	2,934	0	2,934
DUNES COMMUNITY DEVELOPMENT	51136	3,303	7,310,078	2,576	2,860	4,548	1,780	6,329	4,017	1,476	5,493	4,091	1,601	5,692
FLAGLER BEACH CITY OF	59	4,824	7,440,260	3,568	3,523	8,616	4,622	13,238	4,621	2,382	7,003	4,677	2,509	7,186
FLAGLER COUNTY UTILITIES	UtilityID_43	6,389	4,045,638	2,112	1,988	84524	0	84,254	4,577	0	4,577	4,772	0	4,772
HOLIDAY TRAVEL PARK COOP INC	1979	1	9,786	6	5	380	0	380	380	0	380	380	0	380
MARINE PARK OF FLAGLER	1953	13	105,505	23	9	13	0	17	17	0	17	17	0	17
MHC BULOW PLANTATION LLC	2002	3	50,426	16	24	1,284	0	1,284	1,284	0	1,284	1,284	0	1,284
ORMOND BEACH CITY OF	8932	285	237,146	92	138	4,314	0	4,314	239	0	239	316	0	316
OUTSIDE SERVICE AREA BOUNDARY	NO_CUP	15	115,119	18	21	0	43	43	0	43	43	0	43	43
PALM COAST CITY OF	1947	60,145	99,618,193	40,340	40,992	360,787	3,508	364,295	79,819	216	80,035	82,137	799	82,936
PLANTATION BAY UTILITY COMPANY	1960	1,446	2,770,059	1,027	1,121	4,226	1,794	6,020	1,532	588	2,120	1,617	686	2,304
ST. JOHNS COUNTY UTILITIES	1198	25	0	0	0	0	0	0	0	0	0	0	0	0
VOLUSIA COUNTY UTILITIES	50157	239	683,724	200	217	512	17	528	430	10	440	432	14	446
Total		79,770	127,690,287	51,761	52,235	606,940	11,764	618,704	99,791	4,715	104,506	102,656	5,653	108,309

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Population Projections for Flagler County Example

After calculating buildout, the BEBR population projection growth was distributed to the developable parcels in Flagler County. The development was prioritized using a ranking system. Each developable parcel was assigned a rank based on parcel use type, ZIP Code population density, and the built-year of the newest-built parcel in each ZIP Code. As seen in Table 4, Vacant Residential parcels (Rank = 27) were considered more readily developable than Timberland Not Classified by Site Index to Pines parcels (Rank = 2). The other two components of the ranking system were ZIP Code density and the ZIP Code newest year built. The highest ranked developable parcel in Flagler County was a vacant residential parcel in a ZIP Code with a density of 2.02 persons per acre and the newest year built was 2017. Thus, the development priority for this parcel is 2,046.02 (i.e., 27+2017+2.02). Alternatively, the lowest ranked parcel was improved agricultural. It was in a ZIP Code with a low population density and the built year of the most recently developed parcel is 2005. Thus, the development priority for this parcel is 2,015.00 (i.e., 10+2,005+0.00). As noted, vacant residential parcels in densely populated ZIP Codes will have the highest development priority score. There were 18,238 developable parcels inside Palm Coast (CUP# 1947) that comprised 40,912 acres (Table 5).

After ranking all the parcels in a county, BEBR's medium projected growth was distributed in 5-year increments through 2045. As seen in Table 6 below, BEBR expected 4,989 people would move to Flagler County by 2020. With parcels sorted by development priority rank, the first parcels were selected whose combined population was less than or equal to 4,989. In the specific case of Palm Coast (CUP# 1947), 2,638 vacant residential parcels (724 acres) would be developed by 2020 to house 4,934 new residents. The next group of sorted parcels whose total population was less than or equal to 11,400 was selected, etc. See Table 7 for projections and buildout for all PSABs in Flagler County. The future growth was distributed to developable parcels based on the buildout population calculated in the previous step. In the case of Palm Coast (CUP# 1947), the served and non-served persons per acre (6.8 and 0.07, respectively) were multiplied by the acreage of the parcel to determine the parcel-level persons per household. The most recent year's calculated persons per household for single family and multi-family parcels were kept constant through the planning horizon. See Table 8 using Palm Coast (CUP# 1947) as an example of the historical and projected population distribution at the parcel level.

Parcel Projection Methodology and BEBR Considerations

The SJRWMD considers published BEBR population estimates and medium population projections. In many cases, since the method takes into account residential units at the parcel layer for the base year, the base year estimates of population and projected population for the planning horizon may differ than the actual published BEBR values. It should be noted that the parcel projection method does grow population using the additional population growth from BEBR medium population projections.

Additional Methodology Considerations:

- 1) Used in SJRWMD Public Supply CUP reviews.
- 2) Provides for incorporation of utility feedback in currently served population.
 - a. Never results in negative DSS
 - b. Leads to more consistent DSS estimates from year to year, because DSS does not need to be modified as a direct result of served population reported.
- 3) Allows utilities to grow at different rates due to population density and recent parcel development (i.e., development rank).
 - a. For example, in the case of Flagler County, all growth was attributed to Palm Coast

and Bunnell in 2020 because they had the highest ranked parcels. In 2030, Dunes Community Development, the City of Flagler Beach, Flagler County Utilities, and Volusia County Utilities also had population distributed to their areas, as they had the next-highest ranked parcels.

- 4) Approach allows for and incorporates buildout/real world "on the ground" look at residential parcels and units built.
- 5) Transparent and documented methodology
 - a. Similar methods have been used in the approved Central Florida Water Initiative Regional Water Supply Plan (BEBR/Rich Doty parcel method) and Central Springs/East Coast Regional Water Supply Plan (SJRWMD parcel methodology).
 - b. The Southwest Florida Water Management District hires BEBR/Rich Doty every year to develop parcel-level projections that vary from published BEBR estimates (includes functional population cohorts and utility served data). 2020 Regional Water Supply Plan, Appendix 3-3: Demand Projections for Public Supply Appendix_3_3_PS_Demands_Tech_Memo (state.fl.us).
 - i. "In the case of Manatee and Pinellas counties, the sum of the projections for all utilities exceeds the projected county population. Thus, the county population was increased enough to cover the deficit plus allow for selfsupplied population."

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Table 4. Parcels ranked according to likelihood of development. Higher rank equals increased likelihood of development.

Parcel Use Description	Parcel Use Code	Rank
VACANT RESIDENTIAL	000	27
CROPLAND SOIL CAPABILITY CLASS III	053	26
CROPLAND SOIL CAPABILITY CLASS II	052	25
CROPLAND SOIL CAPABILITY CLASS I	051	24
GRAZING LAND SOIL CAPABILITY CLASS VI	065	23
GRAZING LAND SOIL CAPABILITY CLASS V	064	22
GRAZING LAND SOIL CAPABILITY CLASS IV	063	21
GRAZING LAND SOIL CAPABILITY CLASS III	062	20
GRAZING LAND SOIL CAPABILITY CLASS II	061	19
GRAZING LAND SOIL CAPABILITY CLASS I	060	18
TIMBERLAND - SITE INDEX 90 AND ABOVE	054	17
TIMBERLAND - SITE INDEX 80 TO 89	055	16
TIMBERLAND - SITE INDEX 70 TO 79	056	15
TIMBERLAND - SITE INDEX 60 TO 69	057	14
TIMBERLAND - SITE INDEX 50 TO 59	058	13
ACREAGE NOT ZONED AGRICULTURAL	099	12
DAIRIES,FEED LOTS	068	11
IMPROVED AGRICULTURAL	050	10
LUMBER YARDS, SAWMILLS, PLANING MILLS	043	9
MINERAL PROCESSING,PHOSPHATE PROCESSING,CEMENT PLANTS,REFINERIES,CLAY PLANTS	047	8
MINING LANDS,PETROLEUM LANDS,OR GAS LANDS	092	7
MISCELLANEOUS RESIDENTIAL (MIGRANT CAMPS,BOARDING HOMES,ETC.)	007	6
ORCHARD GROVES,CITRUS,ETC.	066	5
ORNAMENTALS,MISCELLANEOUS AGRICULTURAL	069	4
POULTRY, BEES, TROPICAL FISH, RABBITS, ETC.	067	3
TIMBERLAND NOT CLASSIFIED BY SITE INDEX TO PINES	059	2
UNDEFINED - RESERVED FOR FUTURE USE	080	1

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Table 5. Developable acreage by parcel use code description for Palm Coast, consumptive use permit 1947.

Parcel Use Description (PARUSEDESC)	Parcels	Percent of Total Parcels	Acreage	Percent of Total Acreage
ACREAGE NOT ZONED AGRICULTURAL	32	0.18%	4,080	9.97%
GRAZING LAND SOIL CAPABILITY CLASS I	7	0.04%	548	1.34%
GRAZING LAND SOIL CAPABILITY CLASS IV	3	0.02%	44	0.11%
IMPROVED AGRICULTURAL	6	0.03%	163	0.40%
MISCELLANEAOUS RESIDENTIAL (MIGRANT CAMPS, BOARDING HOMES, ETC.)	188	1.03%	104	0.25%
TIMBERLAND - SITE INDEX 70 TO 79	36	0.20%	7,100	17.25%
TIMBERLAND - SITE INDEX 80 TO 89	117	0.64%	22,385	54.71%
TIMBERLAND - SITE INDEX 90 AND ABOVE	1	0.01%	79	0.19%
TIMBERLAND NOT CLASSIFIED BY SITE INDEX TO PINES	9	0.05%	1,091	2.67%
VACANT RESIDENTIAL	17,839	97.81%	5,317	13.00%
Total	18,238	100.00%	40,912	100.00%

Note: Nominal discrepancies accounted for by rounding anomalies.

Table 6. New population expected in Flagler County from BEBR's medium projections published in 2019.

Year	2018	2020	2025	2030	2035	2040	2045
Population	107,511	112,500	123,900	134,400	143,600	151,600	159,000
Increase in Population	0	4,989	11,400	10,500	9,200	8,000	7,400

Note: Population projections source: Bureau of Economic and Business Research. Volume 52, Bulletin 183, April 2019.

Table 7. Population estimates, projections, and buildout for Flagler County.

Utility	Consumptive Use Permit	Number of Parcels	Buildout	2015	2017	2020	2025	2030	2035	2040	2045
BUNNELL CITY OF	1982	3,082	137,733	2,875	2,934	2,940	2,955	2,961	2,961	2,961	6,386
DUNES COMMUNITY DEVELOPMENT	51136	3,303	6,329	5,493	5,692	5,692	5,733	6,036	6,302	6,302	6,302
FLAGLER BEACH CITY OF	59	4,824	13,238	7,003	7,186	7,186	7,186	10,998	10,998	10,998	10,998
FLAGLER COUNTY UTILITIES	UtilityID_43	6,389	84,254	4,577	4,772	4,772	4,772	5,086	6,224	7,418	11,207
HOLIDAY TRAVEL PARK COOP INC	1979	1	380	380	380	380	380	380	380	380	380
MARINE PARK OF FLAGLER	1953	13	17	17	17	17	17	17	17	17	17
MHC BULOW PLANTATION LLC	2002	3	1,284	1,284	1,284	1,284	1,284	1,284	1,284	1,284	1,284
ORMOND BEACH CITY OF	8932	285	4,314	239	316	316	316	316	316	603	636
OUTSIDE SERVICE AREA BOUNDARY	NO_CUP	15	43	43	43	43	43	43	43	43	43
PALM COAST CITY OF	1947	60,145	364,295	80,030	82,936	87,918	99,276	105,604	113,281	119,446	119,459
PLANTATION BAY UTILITY COMPANY	1960	1,446	6,020	2,120	2,304	2,304	2,304	2,304	2,304	2,456	2,585
ST. JOHNS COUNTY UTILITIES	1198	25	0	0	0	0	0	0	0	0	0
VOLUSIA COUNTY UTILITIES	50157	239	528	440	446	446	446	490	490	490	490
Total		79,770	618,705	104,506	108,310	113,298	124,671	135,198	144,334	152,398	159,787

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Table 8. Distribution of population estimates and projections at the parcel level for Palm Coast, consumptive use permit 1947.

Parcel	CUSTCLASS	Number of	Number of	2017 Served	2017 Served	2017 Non-	2017 Non-	Parcel	2017	2017	Build-out	Build-out	2020 Served	2020 Non-
Number		Residential	SF_MF	Population	for Parcel	Served	Served for	Acreage	Served	Non-	Served for	Non-Served	for Parcel	Served for
		Units on Parcel	Residential	Estimate for		Population	Parcel		Persons	Served	Parcel	for Parcel		Parcel
			Units in PSAB	PSAB		Estimate for			Per Acre	Persons				
						PSAB				Per Acre				
07-11-31-	Single	1	40,356	82,137	2.04	799	0.02	0.24	-	-	2.04	0.02	2.04	0.02
7033-00480-	Family													
0020														
05-11-31-	Multi-	2	40,356	82,137	4.07	799	0.04	0.60	-	-	4.07	0.04	4.07	0.04
4075-00000-	Family													
0002														
07-11-31-	Vacant	Null	40,356	82,137	0.00	0	0.00	0.23	6.79	0.07	1.56	0.02	1.56	0.02
7032-00880-	Residential													
0040														

Notes: PSAB – public supply service area boundary.

2017 Served for Parcel is based on served persons per residential unit: (82,137/40,356) = 2.04; for Multi-Family, it is multiplied by the Number of Residential Units on Parcel: (82,137/40,356) = 2.04*2 = 4.07 2017 Non-Served for Parcel is based on non-served persons per residential unit (799/40,356) = 0.02; for Multi-Family, it is multiplied by the Number of Residential Units on Parcel: (799/40,356) = 0.02*2 = 0.04*2



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Technical Memorandum

Documentation and Methodologies for Updating St. Johns River Water Management District 2020-2045 North Florida Regional Water Supply Plan Projections Resulting from Stakeholder Feedback May 23, 2022

To: **NFRWSP Stakeholders**

Through: Tammy Bader

Technical Program Manager, Bureau of Water Supply Planning

John Fitzgerald

Bureau Chief, Bureau of Water Supply Planning

From: Rebecca May

Senior Water Use Analyst, Bureau of Water Supply Planning

JEA

Background

During the current iteration of the 2023 North Florida Regional Water Supply Plan (NFRWSP), feedback was provided regarding projections for utilities in the North Florida Utility Coordination Group (NFUCG). This section explains the methodology for incorporating feedback to adjust the population and water demand projections for JEA.

Overview

The tasks described in this section are as follows:

- 1) Splitting the provided historical annual connections by county using a service grid shapefile.
- 2) Deriving population using Bureau of Economic and Business Research (BEBR) persons per household.
- 3) Projecting connections, population, and water demands.
- 4) Domestic self-supply (DSS) conversion.

Data Sources

The datasets used were:

- 1) Parcel centroids generated from the land use parcel polygon dataset provided by Panda Consulting (Spring 2020).
- 2) BEBR's countywide persons per household estimates (BEBR 2019).
- 3) BEBR's projections of Florida population by county (2020-2045; BEBR 2020).
- 4) JEA_Future_Water_Grid.shp

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Splitting historical connections

JEA provided data to the St. Johns River Water Management District (SJRWMD) regarding historical and projected number of connections, population, and water use by service grid. To derive population, the value of 2.55 persons per household was used across all service grids as this value was the Census 2015-2019 average for Duval County. The SJRWMD, for consistency, uses county-specific data, so residential units from single family and multi-family parcels were totaled for each currently existing service grid and then percentages for each county and year were obtained using the year built (Table 1).

Table 1. Example of residential units split by county for the North Service Grid of JEA

County	2014 Residential Units	2014 Percent	2014 Number of Connections
Duval	170,856	97.8	142,906
Clay	3,856	2.2	3,226
Total	174,712	100	146,132

BEBR county-specific persons per household values were multiplied by the number of connections to derive the population for each year. Annual increases in connections were calculated and the 2014-2018 average number of new connections was used to project for each 5-year increment (2020-2045; Table 2).

Table 2. Example of projected population calculations for Duval County in the North Service Grid of JEA using BEBR's persons per household of 2.43 (BEBR 2019)

							2014-	
							2018	
Year	2013	2014	2015	2016	2017	2018	Average	2020
Connections	142,226	142,906	143,479	143,974	145,170	146,953	N/A	148,843
Increase in								
Connections	N/A	680	573	495	1,196	1,783	945	
Population	345,609	347,262	348,654	349,857	352,763	357,096	N/A	361,688

Populations were then summed to the county totals across the service grids. Historical populations were updated based on the data provided, with SJRWMD adjustments, which updated the gross per capita rates. The updated 5-year average (2014-2018) gross per capita was used to project water demands through the end of the planning horizon (2045).

DSS conversion

In areas of high growth and development there is often conversion of DSS to public supply. The fastest growing counties in which JEA's service boundary extends are Clay, Duval, and St. Johns. Therefore, it can be assumed that there would be a DSS conversion rate of 1% per year to public supply in these counties. Similar conversion rates have been used in other planning efforts throughout the state such as the 2020 Central Florida Water Initiative Regional Water Supply Plan (available at cfwiwater.com) and the 2015 NFRWSP (available at northfloridawater.com). The DSS within the service area was derived as the difference between the number of residential units and the number of connections using provided data. The result was multiplied by 5% (as there are 5 years in each projected increment) and then multiplied by the county specific BEBR persons per household. This value was then removed from DSS and added into the public supply. See the following example for Clay County in Tables 3a and 3b.

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Table 3a. Calculation to derive the domestic self-supplied population available for conversion to public supply in 2020 for Clay County in the North Service Grid of JEA

Residential Units - Connections	DSS * 1%/year	Population
4970 - 4536 = 434	434 * 5% = 22	22 * 2.7 = 59

Table 3b. Populations within the Clay County portion of JEA's North Service Grid before and after DSS conversion

Year	2020	2025	2030	2035	2040	2045
JEA Population Before						
Conversion	12,247	15,150	18,052	20,955	23,857	26,760
DSS Population Before						
Conversion	67,682	74,518	84,148	84,148	84,148	84,148
DSS Conversion	59	118	177	236	295	354
DSS After Conversion	67,623	74,400	83,971	83,912	83,853	83,794
JEA Population After						
Conversion	12,306	15,268	18,229	21,191	24,152	27,114

Based on the SJRWMD's adjustments described in this technical memorandum, the recommended population and water demand projections for JEA are below (Table 4). The SJRWMD's recommended 2045 water demand projections are within three percent of what was proposed by JEA.

Table 4. Comparison of the proposed projected population and water demands by JEA and the SJRWMD

	Population						Water Demand					
Entity	2020	2025	2030	2035	2040	2045	2020	2025	2030	2035	2040	2045
JEA	N/A	1,028,933	1,107,626	1,186,319	1,265,004	1,321,256	N/A	129.27	139.24	149.20	159.17	166.22
SJRWMD	911,434	977,404	1,043,290	1,109,147	1,174,926	1,240,708	117.80	126.37	134.93	143.49	152.04	160.59

Note: Water demand in this table is shown as million gallons per day.

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SJCUD

Background

This section explains the methodology for incorporating feedback to adjust the population and water demand projections for St. Johns County Utilities Department (SJCUD). SJCUD utilized a parcel-based population model developed by GIS and Associates, Inc. (GISA) to derive population and water demand through the end of the planning horizon (2045). Due to a reduction in gross per capita rates, the water demand projections produced by GISA and SJCUD were lower than what was originally projected by the SJRWMD, despite having greater population growth.

Overview

The task described in this section is:

1) Adjusting historic gross per capita rates.

Data Sources

The datasets used were:

- 1) 2018.06.21_WaterDemand_TechnicalMemo.pdf.
- 2) SJC Water Projection Summary Eval for Black Creek Ag.xlsx.
- 3) BEBR's projections of Florida population by county (2020-2045; BEBR 2020).

Adjusting historic gross per capita rates

SJCUD provided data that were used to generate water demand projections for the Black Creek Agreement. These data, and the data from the Water Demand Technical Memorandum, were considered in the SJRWMD's calculations. Historical populations were only provided for 2017, so the historical 5-year average (2014-2018) could not be re-adjusted. Gross per capita rates were calculated based on the available 2045 water demand and population data (Table 5). These gross per capita rates were 96 and 144 gallons per person per day for the Main and Ponte Vedra Systems, respectively.

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Table 5. A comparison of the proposed projected population and water demands by SJCUD and the SJRWMD

	Population						Water Demands						
Entity	2020	2025	2030	2035	2040	2045	2020	2025	2030	2035	2040	2045	
SJCUD	134,814	158,261	178,464	196,678	213,231	229,314	14.78	16.97	18.87	20.52	22.05	23.53	
SJRWMD	134,814	158,261	178,464	196,678	213,231	229,314	14.13	16.54	18.71	20.62	22.30	23.60	

Note: Water demand in this table is shown as million gallons per day. Town of Hastings (CUP 1392) population and demand are not included in the above figures.

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<u>GRU</u>

Background

This section explains the methodology for incorporating feedback to adjust the population and water demand projections for Gainesville Regional Utilities (GRU). GRU is proposing that 80% of Alachua County's projected growth will occur within their service area. GRU is proposing to use a more recent version of BEBR estimates (January 2022) and to use a fixed number of additional people per year through the end of the planning horizon (2045).

Overview

The task described in this section is:

1) Adjusting projected population and water demands.

Data Sources

- 1) 2022.01.27 GRU Water Forecast3.xlsx.
- 2) 2022.02.18 GRU Water Projections.pdf.
- 3) BEBR's projections of Florida population by county (2020-2045; BEBR 2020).

Adjusting projected population

SJRWMD recognizes that the majority of growth in Alachua County will likely be in GRU's service area. Based on the historical 5-year average (2014-2018) of data, approximately 70% of the countywide growth occurred in GRU. When the provided historical water use and population data were incorporated, the 2020 version of BEBR projections was used (BEBR 2020), and 80% of the growth was applied to GRU, the following projections were derived (Table 6).

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Table 6. A comparison of the proposed projected population and water demands by GRU and the SJRWMD

	Population						Water Demand					
Entity	2020	2025	2030	2035	2040	2045	2020	2025	2030	2035	2040	2045
GRU	N/A	210,931	223,331	235,731	248,131	260,531	N/A	24.81	26.27	27.72	29.18	30.64
SJRWMD	196,495	205,855	213,935	220,815	226,575	231,295	23.19	24.29	25.24	26.06	26.74	27.29

Note: Water demand in this table is shown as million gallons per day.

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CCUA

Background

This section explains the methodology for incorporating feedback to adjust the population and water demand projections for Clay County Utility Authority (CCUA). CCUA provided documentation to support numerous new developments that have been approved, particularly along the First Coast Expressway. The SJRWMD has adjusted the projections to incorporate these approved developments.

Overview

The task described in this section is:

1) Adjusting projected population and water demands.

Data Sources

- 1) CCUA Population and Demand Projection Information.pdf.
- 2) BEBR's projections of Florida population by county (2020-2045; BEBR 2020).

Adjusting projected population and water demands

The SJRWMD recognizes the rapid growth and development of regions within CCUA's service area. The additional population CCUA attributed to these developments has been factored into the SJRWMD's projections. In addition, 1.95 million gallons per day (mgd) has been added to the water demand beginning in 2025 for the Niagara Bottling facility. Table 7 provides a comparison of the population and water demand projections proposed by the SJRWMD that incorporates these changes.

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Table 7. A comparison of the proposed projected population and water demands by CCUA and the SJRWMD

	Population						Water Demand					
Entity	2020	2025	2030	2035	2040	2045	2020	2025	2030	2035	2040	2045
CCUA	124,004	145,929	171,602	198,671	214,389	227,920	13.70	15.80	18.20	20.80	22.30	23.60
SJRWMD	126,966	149,238	173,816	201,719	214,888	227,726	11.65	16.07	18.32	20.88	22.09	23.19

Note: Water demand in this table is shown as million gallons per day. CCUA Reclaimed Water Supplementation (CUP 51227) demand is not included in the above figures.

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Incorporation of Additional Stakeholder Feedback

Additional feedback was provided regarding the population and demand projections for the Cities of Neptune and Atlantic Beach. The City of Neptune Beach provided data from a recent Revision to their Comprehensive Plan using BEBR data. The projections were provided in 10-year increments through 2050, so the SJRWMD interpolated to obtain the years in between. The City of Atlantic Beach requested to use the projections from their recent consumptive use permit renewal (2020).

Additional Considerations

County-level data adjustments

The SJRWMD is required by statute to consider BEBR Medium Projections [Section 373.709(2)(a)1a, F.S.]., as such, the SJRWMD used these projections to assess county totals once utility feedback was incorporated. Data were provided by utilities that justifies exceedance of the medium projections. Based on those additional data, adjustments were made to the DSS populations in Clay, Duval, and St. Johns Counties to accommodate the public supply growth trends.

For Clay County, there are numerous new developments planned near the First Coast Expressway in CCUA's service area. Based on this information, the SJRWMD has adjusted the DSS projected populations to be held constant from 2015 through 2045, as the majority of growth is projected to be on Public Supply. That DSS growth was then added to CCUA (population and water demand are included in Table 7). The county-level totals are exceeding BEBR High projections from 2035 through 2045 but are within three percent.

For Duval County, the 2020 published Annual Water Use Survey DSS estimate was used, and the SJRWMD's initially projected growth was applied to each 5-year increment. The county-level total is exceeding BEBR High projections in 2020 but is within one percent.

For St. Johns County, there is also large growth and development in Public Supply predicted. Therefore, the DSS population was held constant from 2020 through 2045. The county-level totals are exceeding BEBR High projections in 2020 and 2025 but are within eight percent.

Due to the nature of the extreme growth in these areas, the slight exceedance of BEBR High in a few projected years reflects the latest trends observed. In addition, more recently published BEBR reports have indicated higher projection estimates (Table 8).

Table 8. A comparison of BEBR's published projections for Clay, Duval, Nassau, and St. Johns Counties

	Bulletin 18	6, 2020	Bulletin 192, 2022				
County	2045 BEBR Medium	2045 BEBR High	2045 BEBR Medium	2045 BEBR High			
Clay	285,100	334,100	278,300	335,300			
Duval	1,216,200	1,413,100	1,249,500	1,505,700			
Nassau	118,900	148,000	131,100	162,000			
St. Johns	434,900	529,700	465,500	563,800			

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References

[BEBR 2019] Bureau of Economic and Business Research. 2019. *Households and Average Household Size in Florida: April 2019. Volume 53, Bulletin 185, December 2019.* Gainesville, Fla.: Bureau of Economic Business and Research, Univ. of Florida.

[BEBR 2020] Bureau of Economic and Business Research. 2020. *Projections of Florida Population by County, 2020–2045, with Estimates for 2019. January 2020.* Gainesville, Fla.: Bureau of Economic Business and Research, Univ. of Florida.