

estimates the total rate class demand by multiplying the number of customers in the rate class by the average demand for each interval recorded. Finally, the unmetered rate classes, such as certain street light classes, are modeled based on their equipment usage characteristics.

IV. FPL Standalone Sampling Plans

Sampling plans for the RS(T)-1, GS(T)-1, GSD(T)-1, and GSLD(T)-1 sampled rate classes were filed with and approved by the Commission’s Division of Economic Regulation in accordance with Rule No. 25-6.0437. The sampling plans approved in those filings form the basis for the samples that were used for this study. Consistent with the FPSC-approved plans, interval data from AMI meters of the selected sampled and alternate premises is obtained daily for load research. The AMI meter data is identified for study on or before December 31, 2020. The data used in this report covers the calendar months of 2021 (January 1, 2021 through December 31, 2021).

RS(T)-1 Residential Service
(RS-1 & RTR-1)

The sample used for this study was installed in 2020. Consistent with the sampling plan approved by the FPSC staff on July 8, 2020 the RS(T)-1 rate class used a one-dimensional stratification random technique. The technique stratified the sample based on annual average monthly energy consumption (kWh). The most current energy consumption (kWh) data available prior to the sample implementation was used. The customer population was divided into kWh strata break points based on the Dalenius-Hodges procedure.

Stratum	Strata Break Point	Population Size	Sample Points	Stratum Weight
1	0 to 546 kWh	1,499,562	185	0.34391
2	547 to 1,207 kWh	1,655,214	269	0.37961
3	1,208 to 1,898 kWh	987,697	201	0.22652
4	1,899 kWh and Above	217,831	59	0.04996
Total		4,360,304	714	1.00000

GS(T)-1 General Service Non-Demand
(GS-1 & GST-1)

The sample used for this study was installed in 2018. Consistent with the sampling plan approved by the FPSC staff on May 2, 2018, the GS(T)-1 rate class used a one-dimensional stratification random technique. The technique stratified the sample based on annual average monthly energy consumption (kWh). The most current energy consumption (kWh) data available prior to the sample implementation was used. The customer population was divided into kWh strata break points based on the Dalenius-Hodges procedure.

Stratum	Strata Break Point	Population Size	Sample Points	Stratum Weight
1	0 to 790 kWh	211,708	212	0.51064
2	791 to 1,900 kWh	111,313	147	0.26848
3	1,901 to 4,100 kWh	69,937	154	0.16869
4	4,101 kWh and Above	21,638	58	0.05219
Total		414,595	571	1.00000

GSD(T)-1 General Service Demand
(GSD-1, GSDT-1, HLFT-1, SDTR-1A and SDTR-1B)

The sample used for this study was installed in 2019. Consistent with the informational sampling plan filed with FPSC staff on May 3, 2019, the GSD(T)-1 rate class used a one-dimensional stratification random technique. The technique stratified the sample based on annual average monthly energy consumption (kWh). The most current energy consumption (kWh) data available prior to the sample implementation was used. The customer population was divided into kWh strata break points based on the DaleniusHodges procedure.

Stratum	Strata Break Point	Population Size	Sample Points	Stratum Weight
1	0 to 16,640 kWh	72,899	125	0.68778
2	16,641 to 66,560 kWh	25,901	133	0.24436
3	66,561 kWh and Above	7,193	62	0.06786
Total		105,992	320	1.00000

GSLD(T)-1 General Service Large Demand 1
(GSLD-1, GSLDT-1, CS-1, CST-1, HLFT-2, SDTR-2A and SDTR-2B)

The sample used for this study was installed in 2019. Consistent with the informational sampling plan filed with the FPSC staff on May 3, 2019, the GSLD(T)-1 rate class used a one-dimensional stratification random technique. The technique stratified the sample based on annual average monthly energy consumption (kWh). The most current energy consumption (kWh) data available at the time of the sample selection was used to determine the sample size. The customer population was divided into kWh strata break points based on the DaleniusHodges procedure.

Stratum	Strata Break Point	Population Size	Sample Points	Stratum Weight
1	0 to 296,400 kWh	1,720	60	0.60165
2	296,401 kWh and Above	1,138	49	0.39835
Total		2,858	109	1.00000

Finally, the unmetered rate classes, such as certain street light classes, are modeled based on their equipment usage characteristics.

IX. Gulf Standalone Sampling Plans

The sampling plan for Gulf’s RS/RSVP, GS and GSD sampled rate classes was filed with and approved by the Commission’s Division of Economic Regulation in accordance with Rule No. 25-6.0437. The sampling plan approved in that filing forms the basis for the samples that were used for this study. Consistent with the FPSC-approved plan, interval data from AMI meters of the selected sampled and alternate premises were obtained daily for load research. The AMI meter data was identified for study on or before December 31, 2020. The data used in this report covers the calendar months of January 1, 2021 through December 31, 2021).

RS/RSVP Residential Service
(RS & RSVP)

The sample used for this study was installed in 2020. Consistent with the sampling plan approved by the FPSC staff on November 20, 2020, the RS/RSVP rate class used a one-dimensional stratified random sample process. The customer population was stratified based on average monthly energy consumption (kWh) for the twelve months ended July 31, 2020. The most current energy consumption (kWh) data available prior to the sample implementation was used. The customer population was divided into kWh strata break points based on energy consumption using the DaleniusHodges method.

Stratum	Strata Break Points	Population Size	Sample Points	Stratum Weight
1	0 to 663 kWh	116,190	209	.30332
2	664 to 1,196 kWh	141,293	162	.36885
3	1,197 to 1,976 kWh	96,674	140	.25237
4	1,977 kWh and Above	28,906	50	.07546
Total		383,063	561	1.0

GS General Service Non-Demand
(GS)

The sample used for this study was installed in 2020. Consistent with the sampling plan approved by the FPSC staff on November 20, 2020, the GS rate class used a one-dimensional stratified random sample process. The customer population was stratified on the basis of average monthly energy consumption (kWh) for the twelve months ended July 31, 2020. The most current energy consumption (kWh) data available prior to the sample implementation was used. The customer population was divided into kWh strata break points based on energy consumption using the DaleniusHodges method.

Stratum	Strata Break Point	Population Size	Sample Points	Stratum Weight
1	0 to 500 kWh	18,077	142	.54315
2	501 to 1,400 kWh	9,695	108	.29130
3	1,401 to 3,400 kWh	4,821	65	.14486
4	3,401 kWh and Above	689	30	.02069
Total		33,282	345	1.0

GSD General Service Demand
(GSD, GSDT, GSTOU)

The sample used for this study was installed in 2020. Consistent with the sampling plan approved by the FPSC staff on November 20, 2020, the GSD rate class used a one-dimensional stratified random sample process. The customer population was stratified on the basis of average monthly energy consumption (kWh) for the twelve months ended July 31, 2020. The most current energy consumption (kWh) data available prior to the sample implementation was used. The customer population was divided into kWh strata break points based on energy consumption using the DaleniusHodges method.

Stratum	Strata Break Point	Population Size	Sample Points	Stratum Weight
1	0 to 6,080 kWh	8,278	67	.55094
2	6,081 to 18,560 kWh	4,321	50	.28759
3	18,561 to 48,960 kWh	1,775	43	.11816
4	48,961 kWh and Above	651	30	.04331
Total		15,025	190	1.0