
**MONTHLY AUDIT REPORT ON THE
SOUTHEAST ENERGY EXCHANGE MARKET**

**FOR
January 2025**

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I. OVERVIEW

This is the January 2025 Auditor report on the Southeast Energy Exchange Market (SEEM). SEEM is a system energy market that uses a centralized intra-hour energy exchange to create bilateral trades among its trading participants every 15 minutes. It uses available transmission capability (ATC) of the SEEM members under a transmission service designed for SEEM, called Non-Firm Energy Exchange Transmission Service (NFEETS). It has been operating since January 2022 and now has 24 members.¹

As discussed herein, trading volumes in January were 110,000, up from 89,000 MWh in December and above the 12-month trailing monthly average of 87,000 MWh. With an average bid-offer spread of over \$15/MWh, the estimated production cost savings from SEEM transactions in January was \$1.7 million. Trading among SEEM members relies on individual transmission path segments connecting the members and trades may span multiple segments. Transmission availability on individual segments varied widely. For many segments capacity is available in every interval. For other segments, availability is zero in many intervals. Considering all intervals and segments, 3 percent of the time availability was zero and 95 percent of the time a segment was available while no cleared transaction utilized it. Overall, this indicates widely available transmission. Due to transmission loss costs, transmission constraints, and participant-specific constraints, about 25,000 MWh of potential economic exchanges were left uncleared in January, which is comparable to the level in December. As explained more below, these are uncleared offers and bids in the same interval where the offer price was less than the bid price by more than the average cost of losses.

SEEM is governed by the SEEM Membership Board. The automated architecture of SEEM was developed and is operated by Hartigen, who also serves as the SEEM Administrator. Our auditing role is directed by the Membership Board in accordance with elements specified in the Market Rules as developed by the Membership Board and approved by the Federal Energy Regulatory Commission (FERC). The results of our auditing are reported to the Membership Board through submission of this Monthly Report. We also have a duty under the Market Rules to respond to inquiries made by regulators and other oversight authorities, including FERC. We received no such inquiries during the period of this report.

¹ The initial 18 members are: Alabama Power Company; Georgia Power Company; Mississippi Power Company; Associated Electric Cooperative, Inc.; Dalton Utilities; Dominion Energy South Carolina, Inc.; Duke Energy Carolinas, LLC; Duke Energy Progress, LLC; Louisville Gas & Electric Company and Kentucky Utilities Company; North Carolina Municipal Power Agency Number 1; PowerSouth Energy Cooperative; North Carolina Electric Membership Corporation; Tennessee Valley Authority; Georgia System Operations Corporation; Georgia Transmission Corporation; Municipal Electric Authority of Georgia; Oglethorpe Power Corporation; and South Carolina Public Service Authority. The Florida members joining in June 2023 are: Seminole Electric Cooperative; Tampa Electric Company; Duke Energy Florida; Florida Power Corporation; TEA Gainesville System Utilities; and TEA JEA.

The SEEM auditing framework is based on the provisions of the SEEM Market Rules Section VI.D. (Auditing Process). These duties are in four main categories. The first duty is to analyze SEEM input, constraints, and matching results to determine if SEEM operates in accordance with the SEEM Rules (SEEM Rules Sections VI.D.1, VI.D.1.4). This is the main day-to-day auditing work and represents most of the activities reported herein.

A second auditing responsibility is ensuring participants have access to SEEM data in accordance with the SEEM Rules (Sections VI.D.2). Access to SEEM data involves allowing each SEEM participant to review its own bids and offers and to view matches made by the system. We are in receipt of the bid and offer data and have verified that this data is available daily.

A third area of responsibility is to report to the Membership Board regarding (1) the reliability and accuracy of the SEEM System, and (2) any complaints received from a Participant to the Membership Board and to investigate further any such complaint at the Board's direction (SEEM Rules Sections VI.D.3, VI.D.1.5). The purpose of Section II of this report is to fulfil our responsibility to report on the reliability and accuracy of the SEEM system to the Board. Regarding complaints from participants to the Board, we were not directed by the Board to investigate any such complaints during the period of this report.

Finally, we have the duty to respond to written questions from Participants, FERC, NERC, state commissions in the region, Tennessee Valley Authority's Inspector General, and any other applicable regulators that oversee the electric operations of any Member regarding the integrity of the matching process (SEEM Rules Sections VI.D.6). We received no such inquiry in January.

In the remainder of the report (Section II), we provide the results of our analysis of the first main area of responsibility: to analyze input, constraints, and matching results to determine whether SEEM operates in accordance with the SEEM Rules. This is in two main parts. First, we review various daily screens that ensure specific inputs, constraints, and energy exchanges have met certain validation metrics. Second, we review the economic activity in SEEM to provide insight into its functioning and performance.

II. AUDITING RESULTS

In this section, we discuss the results of our monthly auditing. In subsection A, we show the results of our daily screening. In subsection B, we present an overview of economic activity.

A. Market Operation Screens

We calculate screens, metrics, and other analyses on a daily basis using market data and other data to meet the auditing obligations in the Market Rules. The screens and metrics are developed in accordance with specific Market Rules requirements and are divided into three main categories:

- Verification of bid/offer parameters;
- Evaluation of SEEM matching; and
- Verification of SEEM System Constraints.

The following three subsections describe the screens used for our auditing. Unless otherwise indicated, these screens are calculated daily for all fifteen-minute intervals.

1. Bid/Offer Parameters

The following screens audit the information provided in participant bids and offers.

- Offers (bids) from a participant must have Participant-Specific Constraints identifying at least three other non-affiliated Participants that can be matched as counterparties;
- All offers and bids must include a source or sink;
- Each offer and bid must have a delivery interval;
- Bids and offers must be 4 MW increments;
- “All or Nothing Selection” must be indicated; and
- The Network Map must be accurate (monthly).

2. Matching

The following screens are used to audit the SEEM matches:

- Match price must not exceed the bid price and must be greater than the offer price;
- Buyer and seller must be distinct participants;
- Participant-specific constraints must be check for any changes (monthly);
- SEEM benefit calculation must be verified;
- Any maximum offer price declared must bind the transaction; and
- Each match must have a NERC Tag.

3. Constraints

The following screens audit the SEEM constraints.

- Transaction volume must not exceed offer or bid volume;
- The SEEM algorithm must only make energy exchanges that yield positive benefits to both buyer and seller; and
- Transaction volume over each segment must not exceed the segment ATC.

We have data transfer and storage architecture in place to receive SEEM data that supports the calculation of these screens. Apart from screening the network map and the participant-specific constraints (described below), the screens are calculated daily, and we have developed data processing procedures for each of the daily screens. We applied the screens to the January SEEM data and found that in all intervals the screens have indicated that requirements have been met.

For the monthly audit of the network map, we use the initial map developed by Hartigen and the SEEM working groups as a basis for comparing subsequent maps. This map is an electronic file of all sources, sinks, balancing areas, and SEEM transmission segments that comprise the SEEM system. A SEEM segment is an interface between two balancing areas and in many cases is synonymous with the path used by the system. In some cases, the segments are linked together to allow SEEM matches across multiple systems, forming a multi-segment path. The SEEM model allows any number of SEEM segments to be linked in order to find a beneficial trade.

By using this initial map as a basis of comparison, we will take advantage of the lengthy technical process used by SEEM and the SEEM members to develop the map and so we assume it is accurate. It would not be practicable to replicate this initial map. To monitor the map over time, we use the SEEM model's static path configuration database that is used by the model to assess possible paths associated with the sources and sinks offered and bid in each interval. We save a snapshot of this database and compare it to the path configuration database used at the start of each month. We identify and evaluate any changes. We found no changes in January and therefore we conclude the network map is accurate for the current sources and sinks participating in SEEM.

In a similar fashion, we evaluate changes to participant-specific constraints. These are counterparties and balancing areas acceptable to each participant for trades in SEEM, as well as any maximum price constraints. In each interval SEEM uses a set of participant-specific constraints for all participant bids and offers. We check each participant for any excluded sellers or buyers and any max price constraints and identify any constraints that changed during the month. There were a series of changes to participant-specific constraints that closed and re-opened trade among a small number of counterparties in January. These changes are not uncommon and we find no cause for concern.

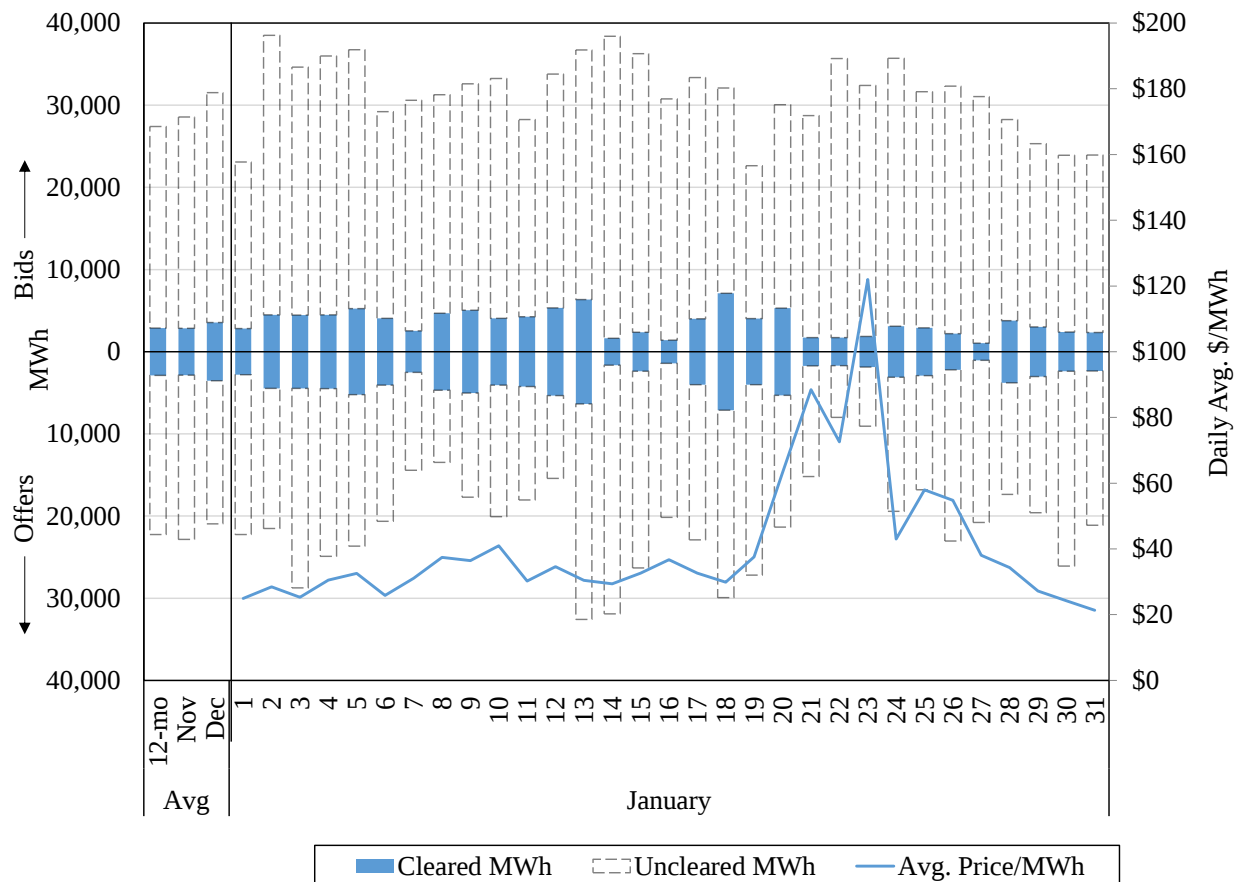
B. Market Activity

In this section, we summarize and discuss SEEM operations and outcomes to illuminate any potential operating or market issues. Our evaluation is in two principal areas. First, is an overall review of the market trading, including volumes, prices, and characteristics of participation. Second is an evaluation of network usage, focusing on the key transmission paths and constraints.

1. Market Outcomes

SEEM cleared nearly 110,000 MWh of energy in January, higher than December and higher than the trailing 12-month average of 87,000 MWh. The average clearing price was \$40/kWh. Figure 1 shows the daily SEEM bids and offers for January along with the daily average clearing price. Each bar represents the daily total MWh volume of SEEM activity. The bids and offers are divided between cleared bids to buy (blue bar above the x axis) and cleared offers to sell (blue bars below the x axis). The transparent bars stacked above the bids and below the offers are the uncleared bids and offers.

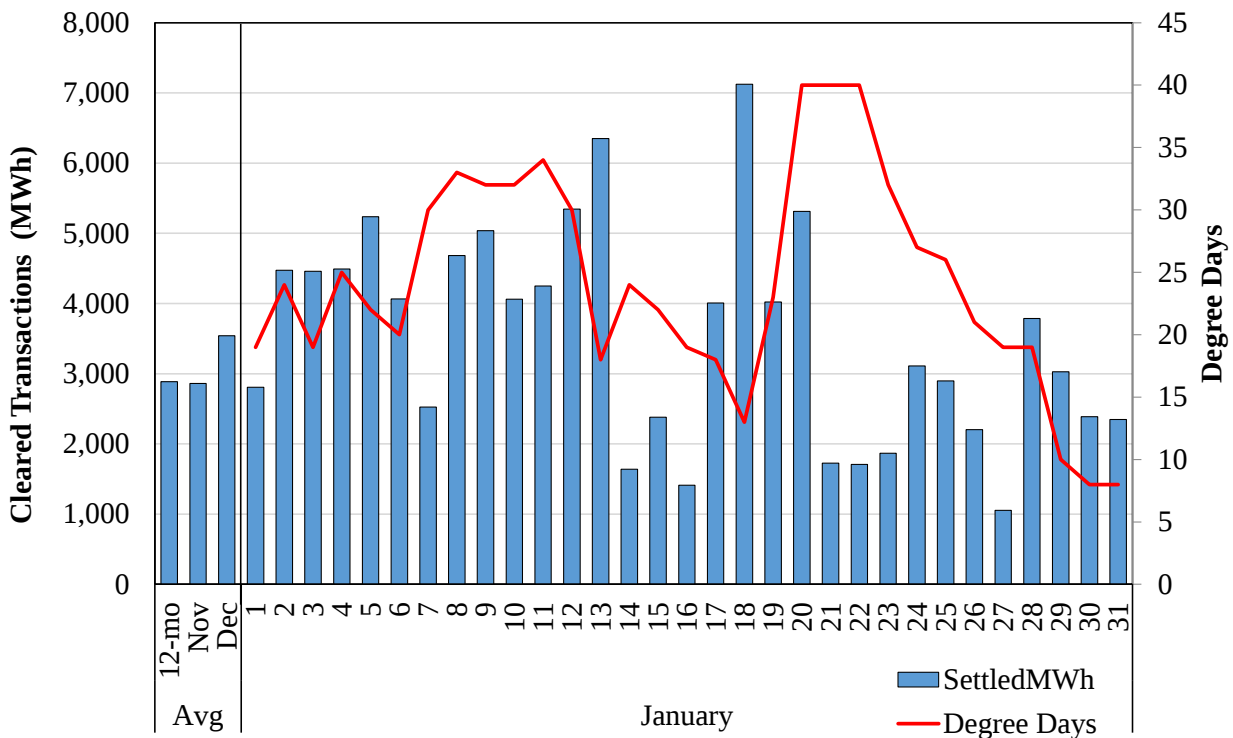
Figure 1: Daily Bids and Offers
January 2025



The left side columns show activity relative to the previous month and relative to the 12-month rolling average. As the left-side monthly and the 12-month average bars show, total liquidity (cleared and uncleared bids and offers) was slightly lower than both the 12-month average and lower than December's level, even though January's cleared volumes were at an all-time high.

The individual days in Figure 1 show some variation in offers, bids, and cleared transactions across the month. The cold weather and snow in the south during January 20-23 resulted in a decrease in offered quantities, a slight increase in bids, and a sharp increase in clearing price. This market response has been a feature of SEEM in extreme events – supply tends to decline when reliability issues arise. To understand more, Figure 2 shows the daily cleared transactions alone, to better observe the daily variation. We also include a proxy for system demand, Degree Days, are common measures of daily temperature levels that measure the demand for cooling and heating.²

Figure 2: Cleared Transactions and Demand



The chart shows some periods of time when the trading volumes and DD move in opposite direction. However, we found no statistical relationship as measured by the correlation

² According to the US National Weather Service, “Degree days are the difference between the daily temperature mean, (high temperature plus low temperature divided by two) and 65°F. If the temperature mean is above 65°F, we subtract 65 from the mean and the result is **Cooling Degree Days**. If the temperature mean is below 65°F, we subtract the mean from 65 and the result is **Heating Degree Days**.” For the Figure, we use Degrees Days from

coefficient³ between Degree Days and trading volumes. We extended the period of observation to 12 months and included other potential relationships variables. These are shown in Table 1.

As shown in the table, even extending the time period to the trailing twelve-month period, the relationship did not attain statistical significance. (see row 1 of the table). The other entries in Table 1 are calculations of statistical relationships among other key variables.

Table 1: Market Correlation Statistics
Trailing 12-months Ending January 2025

		Correlation Coefficients	
		Degree Days	Price
1	Trade Volume	-0.062	-0.186
	<i>p value</i>	0.237	0.000
2	Offer Volume	-0.424	-0.347
	<i>p value</i>	0.000	0.000
3	Bid Volume	0.279	0.279
	<i>p value</i>	0.000	0.000
4	Price	0.542	
	<i>p value</i>	0.000	

Note: Highlighted values are statistically significant.

The Table shows the correlation statistics between market activity (Trades, Offers, and Bids) and DD and Price. The second entry in Row 1 shows Trade Volume is negatively correlated with clearing prices. The price clearing price is an equilibrium price, determined by supply (Offers) and demand (bids). A lower clearing price together with a higher trade volume, as the correlation indicates, means supply has increased, by entry of lower cost offers, perhaps due to lower input costs (natural gas costs).

Row 2 in the Table shows a statistically significant *negative* correlation between supply offers and DD, which we would not expect based on market fundamentals alone -- with higher system demand, we would expect more supply to respond. However, resource management also requires recourse to reliability considerations. High DD days can create tight operating conditions and a withdrawal of supply to meet reliability objectives, thus reducing capacity available for economy

³ The correlation coefficient is a statistic that measures the relationship between two variables (in our case the cleared volumes and Degree Days). A positive correlation coefficient indicates the variables tend to move in the same direction while a negative correlation coefficient indicates the variables tend to move in opposite directions. A correlation coefficient at or close to zero means there is no linear relationship.

trades in SEEM. Our discussion with participants supported this logic. Row 2 also shows Offer Volume is negatively correlated with price, something that is expected from market fundamentals – as supply responds to market conditions, prices will tend to decrease.

The positive correlation between Bid Volume and DD price is expected from economic theory because higher system demand will result in more participants seeking power supplies. Likewise, the positive correlation between Bid Volume and price is consistent with market economics -- *ceteris paribus*, an increase in participant demand should in theory result in higher prices.

The correlation matrix in the table also reports a positive correlation between price and DD, something that is also expected from economics: high overall demand tends to result in higher prices.

Overall, the absence of a statistical relationship between cleared trades and DD is likely the result of Offer Volume not responding to higher system demand, likely due to reliability constraints, which is not sufficiently offset by higher participant demand. Otherwise, the statistics suggest the market is behaving as expected according to economics.

Figure 3 shows the cleared trades on an historical monthly basis. It shows a variable volume of cleared trades with a notable increase in July 2023 with the addition of Florida participants. The highest volume was January 2024. The figure also shows the trend line. The R-squared indicates 67 percent of the variation in monthly cleared volumes is the result of a time trend. Part of that is the result of new participants, of course, but the trend constitutes past the major change in membership in June of 2023. The slope of the trend line is 2629, meaning each month the cleared volume increases by about 2600 MWh.

Figure 3: Monthly Volume of Cleared Trades
January 2023 - January 2025

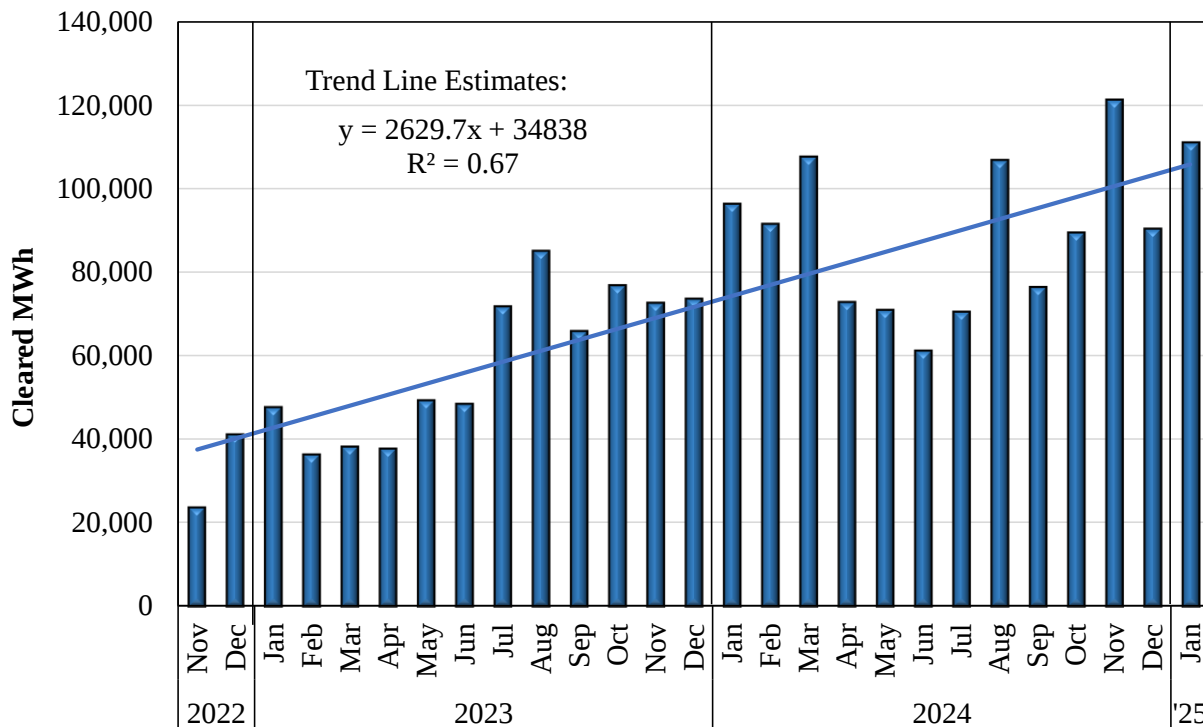
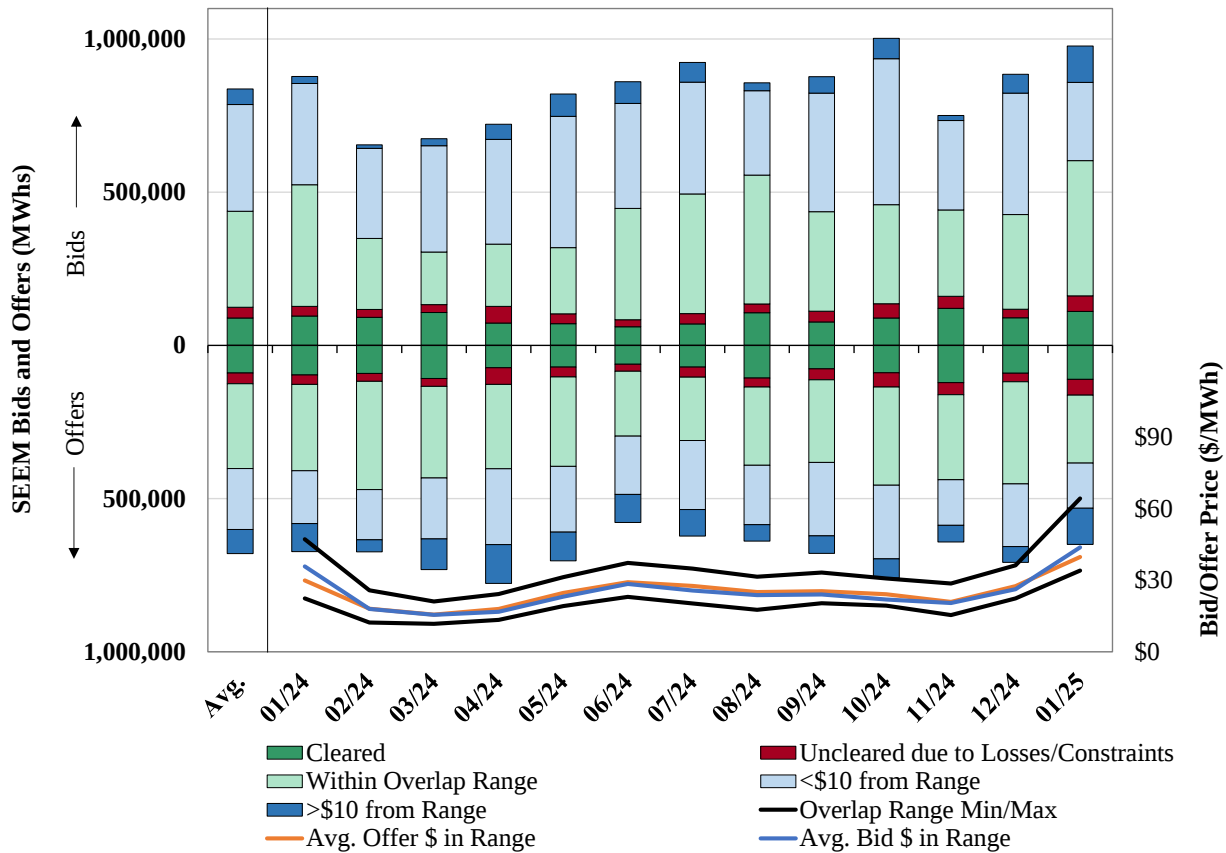


Figure 4 shows our evaluation of market liquidity trends. The dark green bars are the cleared bids and offers. The rest of the bar segments are various categories of uncleared bids and offers:

- The red segment shows uncleared economic bids and offers. These transactions appear to be profitable, but do not clear because of the cost of losses or a constraint (explained more below).
- The light green bars show bids and offers that were not cleared but were within the indicated cleared bid-offer spread – i.e., from the lowest cleared offer to the highest cleared bid. Bids and offers in this group do not clear because there are not sufficient counterparties to clear all of them – i.e., the counterparty bids/offers that could be economic have already been matched to another bid/offer with greater savings.
- The light blue bars show bids/offers within \$10 of the overlap range (\$10 or less outside the cleared bid-offer range).
- The dark blue bars show bids/offers greater than \$10 of the overlap range – i.e., offers to sell that are >\$10 higher than this highest bid or offers to buy energy <\$10 less than the lowest supply offer. Participants likely do not expect these to clear.

Figure 4: Bid and Offer Evaluation

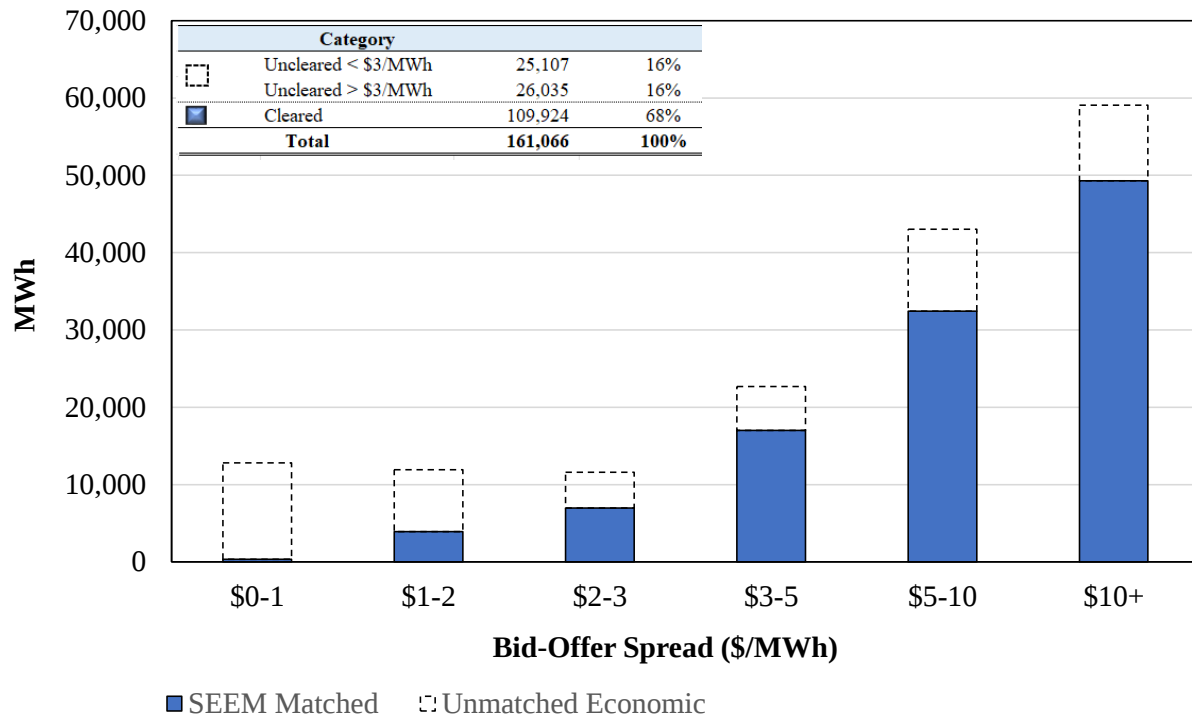


In Figure 4, the total size of the stacked bars (both bids and offers) are an indication of market liquidity. In general, there tends to be more bids (varying around 750,000 MWh) than offers (varying around 600,00 MWh). If one measures liquidity as the sum of all the bar segments (counting the offer segments below the bar in absolute values), the liquidity is not statistically correlated with cleared trades over the 13-month period.

Like in previous months, our evaluation of uncleared bids and offers found a notable volume of uncleared bids and offers with economic overlap in the sense that in an interval there were uncleared bids whose bid price was greater than some uncleared offer prices in the same interval. Of course, most economic uncleared matches have a small bid-offer spread, and likely are not matched due to transmission losses that render the trade uneconomic. However, there are some economic uncleared matches with substantial spreads. Figure 5 shows a summary of the cleared and uncleared matches. Each stacked bar shows the SEEM matches (blue bar) and the economic unmatched (transparent bar) at the given bid-offer spread. For example, the first blue bar shows SEEM matches where bids exceed offers by up to \$1 – there are very few because that spread

would not pay most transmission loss cost. The transparent box shows considerable uncleared economic bids and offers that did not clear at spreads up to \$1.

Figure 5: Cleared and Uncleared Economic Matches
January 2025



To understand why economic bids and offers may not have cleared, it is useful to examine the bid-offer spread. Average loss charges are roughly \$2 per MWh, although some potential economic matches would incur higher loss costs. Therefore, in the inset table, we divide totals between bid-offer spreads above and below \$3 per MWh. Those below \$3 are likely to have not cleared because of the costs of losses, well most of those that did not clear at spreads above \$3 likely did not clear because of transmission constraints or participant constraints. The inset table also shows that over the entire period, 68 percent of the economic transactions cleared. The costs of transmission losses were likely the most significant factor that prevented transactions from clearing. This is because in each of the periods most of the uncleared economic transactions were those with spreads of less than \$3 per MWh.

Trades clearing in SEEM offer participants the ability to reduce output from higher-cost resources and replace it with lower-cost ones. In January, the bid-offer spread averaged \$15/MWh. With 110,000 MWh cleared, there is approximately \$1.7 million in production cost savings at least.⁴

⁴ There is likely more production cost saving than the data shown because the bids (offers) are likely to be slightly lower than the true cost of buyers (higher than the true cost to sellers) due to the split-the-savings nature of SEEM. In a split-the-savings auction like SEEM, participants will improve their payoff by slightly lowering bids and raising offers in an attempt to get a split closer to their counterparty's bid or offer.

This is the highest monthly production cost savings since the market opened. Figure 6 shows (the lower bound of) estimated production cost savings for each month since SEEM inception. The red line shows the cumulative savings. Cumulative savings are almost \$15 million.

Figure 6: Estimated Production Cost Savings

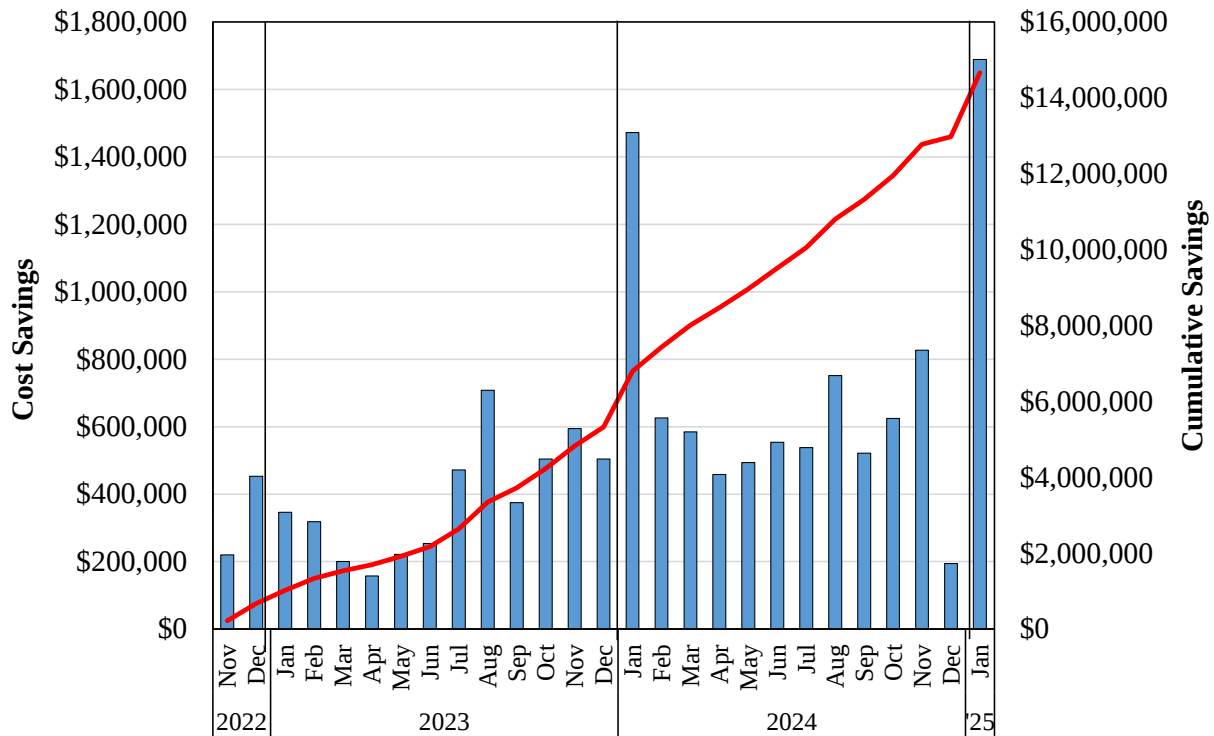
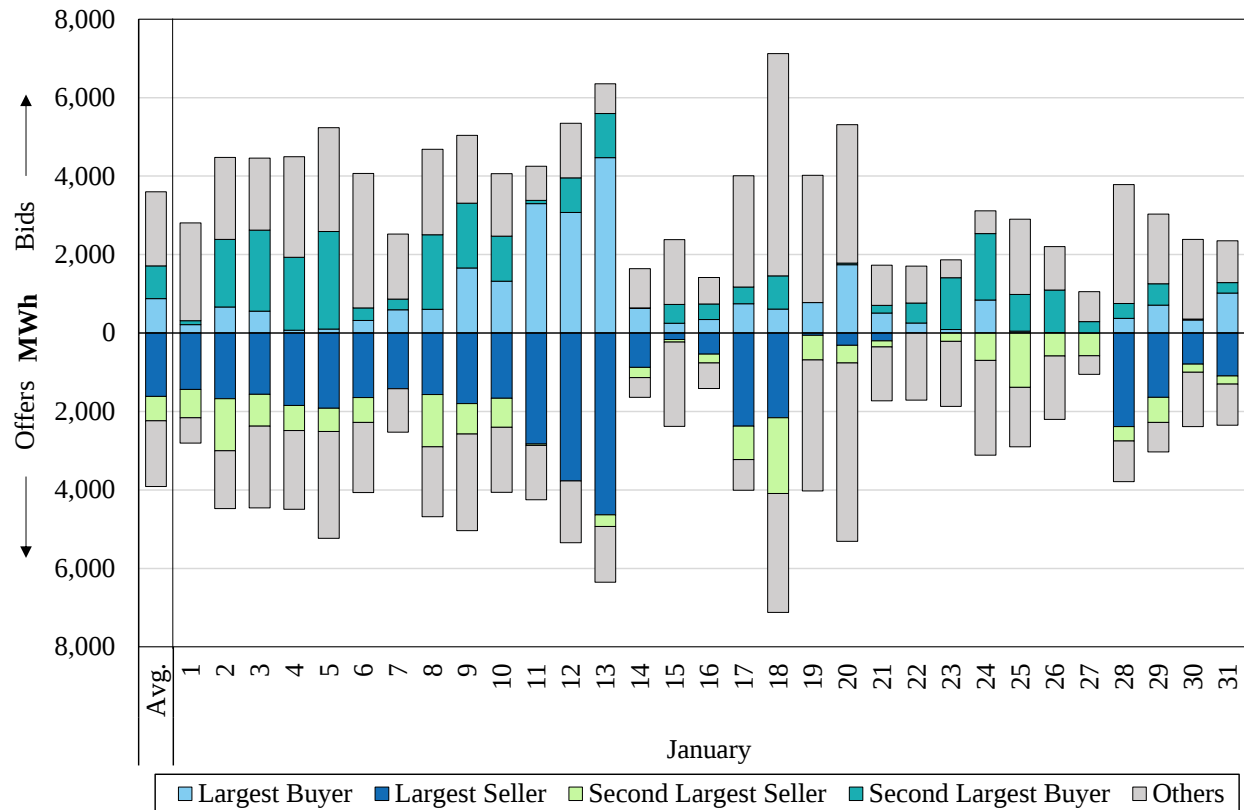


Figure 7 shows more detail on the matched bids and offers by showing the matches by the largest market participants. Like the prior figures, the bars above the x axis are cleared bids and the bars below are cleared offers. The bars in this figure are divided by the top two participants and then all the rest.

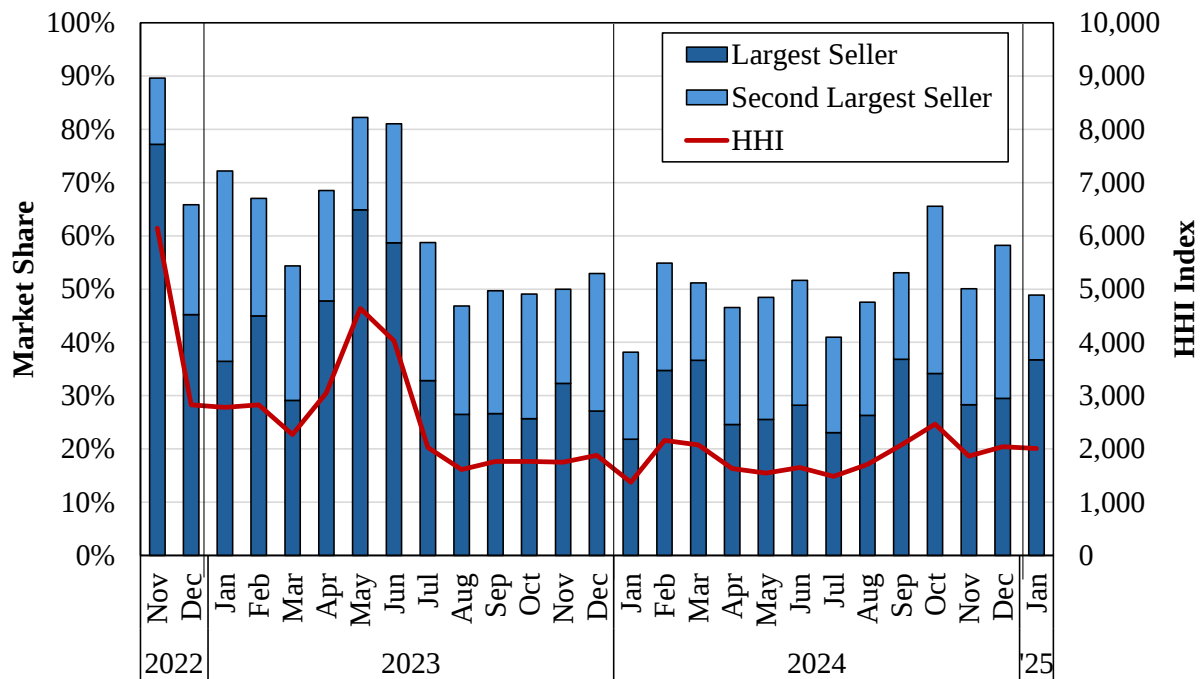
Figure 7: Volumes of Matched Bids and Offers
January 2025



The figure shows certain buyers and sellers comprise significant shares of the transaction activity. For the month, 38 percent of the sales were made by a single seller and 24 percent of the purchases were made by a single buyer.

In the next figures, we present a time series of market shares and concentration. Economists measure market shares to get a general view of the competitiveness of a market. It is not determinative of the existence of market power, but it is useful for an overall view. Figure 8 shows the monthly share of matched transactions of the largest two sellers along with the Herfindahl Hirschmann Index (HHI), defined below. The bars in this figure stack the two top sellers during the month.

Figure 8: Seller Market Share and Concentration Statistics
November 2022 – January 2025

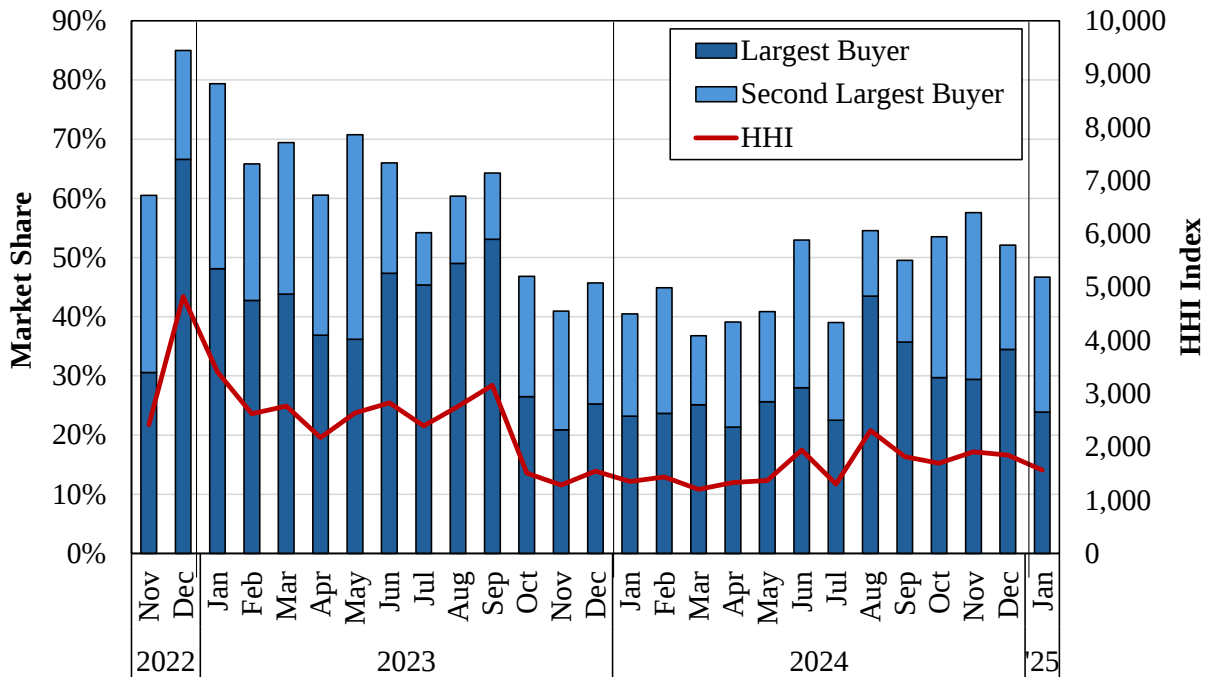


Not surprisingly, the share of the top seller, as well as the share of the top two, declined once the Florida participants fully joined in July 2023. The chart also shows that the HHI has declined. The HHI is a measure of market concentration and is used to determine market competitiveness, often on a relative basis over time or as a result of structural changes like a merger or divestiture. It is calculated by squaring the market share of each firm competing in a market and then summing the resulting numbers. It can range from close to 0 to 10,000, with lower values indicating a less concentrated market. A single-seller monopoly market would have an HHI of $10,000 = 100 \times 100$. A perfectly competitive market where no firm has an appreciable market share, the HHI is close to zero. The US antitrust agencies (FTC and DOJ) consider markets with:

- HHI greater than 1800 to be highly concentrated;
- one with an HHI between 1000 and 1800 to be moderately concentrated; and
- one with an HHI less than 1000 to be unconcentrated.

The HHI indicates that the SEEM market has been highly concentrated in most months. However, the HHI has come down over time and has remained close to 1800. Although this is close to the highly concentrated range, it has been falling. Figure 9 shows the buyer concentration.

Figure 9: Buyer Market Share and Concentration Statistics
November 2022 – January 2025

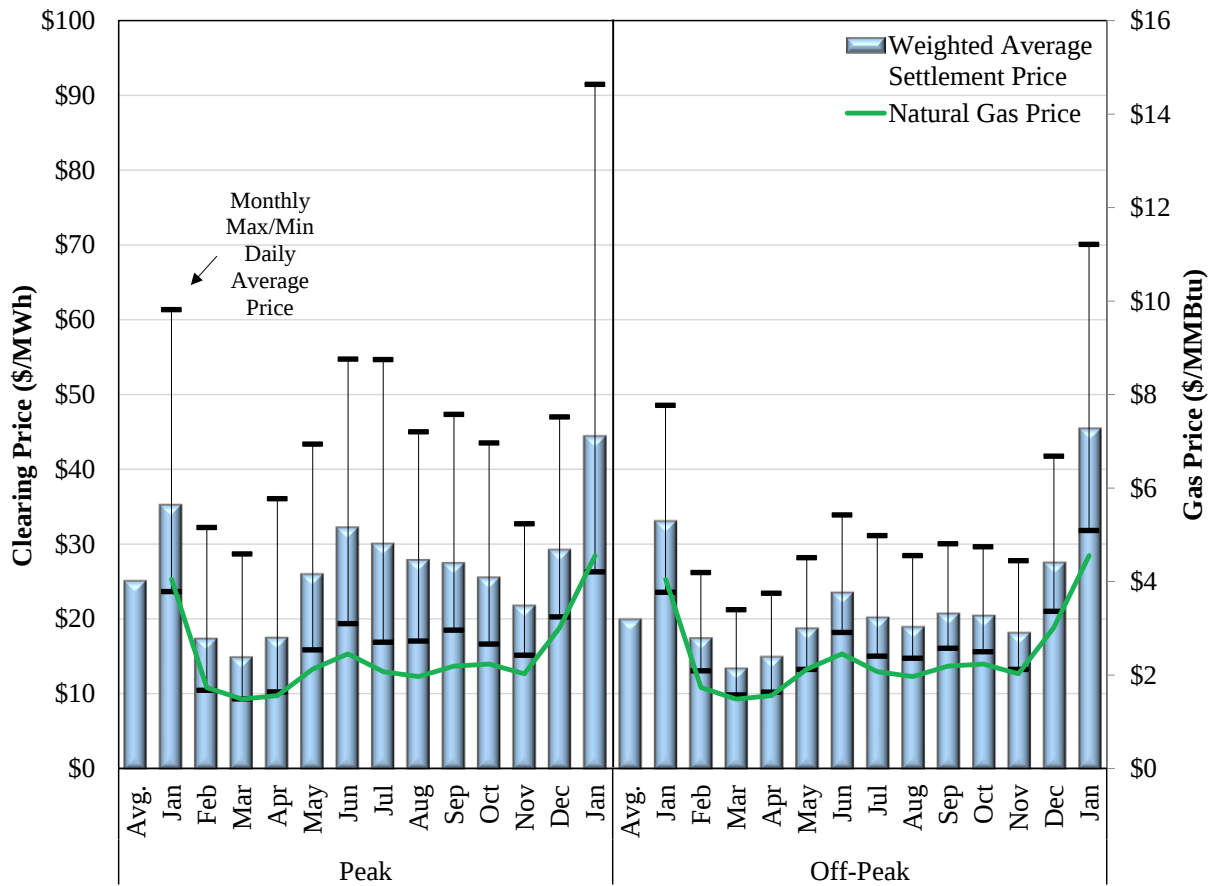


The entry of Florida participants coincided with a decline in buyer concentration. These declines, together with the uptrend in matched trades, are indicative of a market evolving to greater liquidity and competitiveness.

2. Network Usage

In this subsection, we report on the usage of the SEEM network. Figure 10 shows monthly SEEM clearing prices, natural gas costs, and average daily minimum and maximum prices in peak and off-peak hours during the month. The figure shows that prices are correlated with natural gas costs, which is the marginal fuel in many hours and strongly influences the value of power. The superimposed lines over the bars show the price spread over each month.

Figure 10: Monthly Clearing Prices and Natural Gas Costs



The figure shows that both peak and off-peak prices increased in January relative to December and were roughly in line with the 12-month average. The whisker bars for each month show that the value of transactions can vary significantly, mainly because transmission constraints can contribute to higher prices between different locations. If a constraint prevents higher total flows between two (beneficial trading) areas, the average transaction price will be higher than if sufficient transmission capability was available to allow all beneficial trades to clear between the areas.

Accordingly, we evaluate SEEM transactions by path segments. SEEM trades among participants using ATC. We gathered ATC and trading statistics for all SEEM segments available to the model. In January, there were 251 segments used in SEEM for which an ATC value was posted, and another 70 segments used for which no ATC is posted (these are segments that were available on an unlimited basis.⁵) There were 30 segments in SEEM not used. We calculate total segment (MWh) usage for the 321 segments that were used during the month. For segments with ATC

⁵ It is not unusual for transmission paths to have no ATC value posted, and not just for the SEEM transmission service (NFEETS), but also longer-term service.

values, we report the median, maximum, and minimum ATC values over all intervals for each segment. For these “ATC segments,” we are also able to calculate a “loading factor” based on the scheduled transactions and ATC on the segment during each 15-minute interval. It is the portion of the path used in that interval relative to the maximum amount that could have been used based on the ATC.

In addition to schedule volumes and the ATC statistics, we also calculate how each segment was utilized by interval during the month, *to wit*, the interval was either:

- (1) Partially used (MWs cleared were less than ATC or total MWs cleared on a segment without ATC);
- (2) Fully Used, ATC was used up for the interval;⁶
- (3) Unavailable, no ATC;⁷ and
- (4) Uncleared (no schedules on the segment).

In reporting the usage of each segment, we refer to a “segment-interval” which is an observation in a single interval on one segment. Table 2 shows an excerpt of our statistics. The table displays the segments that had at least 2,000 MWh of transactions scheduled during the month. The full data for all segments is provided in Appendix A. When ATC is listed as “None” this means there was no ATC posted.

⁶ ATC less the MW schedule was less than 4 MW (i.e., no additional SEEM transaction could be cleared).

⁷ ATC was less than 4 MW at the start of the interval.

Table 2: Statistics for Most Utilized SEEM Segments
January 2025

Segment	ATC			MWs	Loading Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
F/FPC/FPC-SOCO//	0	145	278	39,092	36.98%	874	29%	631	21%	150	5%	1321	44%
SS/SOCO/FL-SOCO//	14	626	1,532	21,764	4.47%	1,003	34%	1	0%	0	0%	1972	66%
S/TVA/SOCO-TVA//	0	3,863	4,740	13,681	0.49%	495	17%	0	0%	93	3%	2388	80%
F/TEC/TEC-FPC//	98	2,476	4,730	13,395	0.76%	1,040	35%	0	0%	0	0%	1936	65%
P/LGEE/LGEE-TVA//	0	1,623	1,623	12,654	1.13%	477	16%	0	0%	37	1%	2462	83%
F/FPC/TEC-SOCO//	0	161	278	10,924	9.56%	728	24%	143	5%	66	2%	2039	69%
S/DUK/SOCO-DUK//	34	1,824	2,220	9,581	0.76%	416	14%	0	0%	0	0%	2560	86%
S/SC/SOCO-SC//	347	1,602	2,480	7,873	0.66%	412	14%	0	0%	0	0%	2564	86%
F/JEA/SOCO-JEA//	0	642	989	7,844	1.75%	816	27%	4	0%	22	1%	2134	72%
S/CPL/DUK-CPLE//	36	3,138	7,334	7,023	0.29%	305	10%	0	0%	0	0%	2671	90%
S/SC/SC/SOCO-SCEG//	0	1,124	2,218	6,753	0.82%	658	22%	2	0%	26	1%	2290	77%
SS/SOCO/SOCO-SOCO//	43,029	46,312	46,312	6,568	0.02%	288	10%	0	0%	0	0%	2688	90%
SS/SOCO/FL-TVA/MULTIPATHALIAS/	14	623	1,472	5,937	1.24%	304	10%	1	0%	0	0%	2671	90%
S/TVA/LGEE-SOCO//	0	3,000	3,000	5,829	0.29%	278	9%	8	0%	152	5%	2538	85%
SS/SOCO/SOCO-DUK//	-58	431	829	5,081	1.62%	171	6%	28	1%	138	5%	2639	89%
SS/SOCO/TVA-SOCO//	296	1,141	1,530	4,841	0.57%	159	5%	0	0%	0	0%	2817	95%
S/TVA/TVA-DUK//	0	440	440	4,760	1.75%	121	4%	12	0%	332	11%	2511	84%
S/DUK/TVA-DUK//	0	692	692	4,528	1.04%	127	4%	8	0%	62	2%	2779	93%
SS/SOCO/FL-SCEG/MULTIPATHALIAS/	0	83	125	3,958	6.55%	336	11%	97	3%	218	7%	2325	78%
S/TVA/TVA-SOCO//	0	4,865	5,000	3,931	0.11%	122	4%	0	0%	5	0%	2849	96%
SS/SOCO/FL-SC/MULTIPATHALIAS/	0	193	598	3,627	2.79%	220	7%	89	3%	146	5%	2521	85%
S/CPL/TVA-DUK//	0	308	308	3,603	1.70%	156	5%	18	1%	31	1%	2771	93%
F/FPC/SOCO-FPC//	0	361	535	3,510	1.41%	224	8%	13	0%	191	6%	2548	86%
S/SC/SC-SOCO//	461	2,826	3,593	3,291	0.16%	188	6%	0	0%	0	0%	2788	94%
S/CPL/SC-CPLE//	32	1,783	4,139	3,224	0.23%	270	9%	0	0%	0	0%	2706	91%
S/MEAG/FPC-TVA//	None	None	None	3,196	0.00%	217	7%	0	0%	0	0%	2759	93%
S/DUK/TVA-CPLE//	0	692	692	3,194	0.73%	145	5%	0	0%	62	2%	2769	93%
S/TVA/LGEE-DUK//	0	440	440	2,919	1.07%	144	5%	3	0%	316	11%	2513	84%
S/TVA/LGEE-TVA//	0	3,000	3,000	2,916	0.14%	113	4%	3	0%	152	5%	2708	91%
SS/SOCO/SOCO-TVA//	393	1,595	2,535	2,897	0.25%	142	5%	0	0%	0	0%	2834	95%
SS/SOCO/SOCO-FL//	186	1,685	2,097	2,616	0.22%	239	8%	0	0%	0	0%	2737	92%
S/SC/SOCO-CPLE//	637	2,531	3,026	2,574	0.14%	198	7%	0	0%	0	0%	2778	93%
S/TVA/TVA-CPLW//	0	308	308	2,532	1.19%	99	3%	1	0%	40	1%	2836	95%
F/FPC/TEC-FPC//	385	2,544	4,779	2,471	0.13%	488	16%	0	0%	0	0%	2488	84%
S/MEAG/FPC-SC//	None	None	None	2,461	0.00%	269	9%	0	0%	0	0%	2707	91%
S/MEAG/SOCO-JEA//	None	None	None	2,066	0.00%	254	9%	0	0%	0	0%	2722	91%

The “Uncleared” category indicates that among these most utilized segments, many of them have over 90 percent of their intervals uncleared. There are, however, numerous instances when segments are constrained. A constrained segment is one where either (1) the segment is completely used by SEEM (“Fully Used” column in the table) or (2) ATC is insufficient (less than 4 MW) prior to SEEM matching (the “Unavailable” column in the table).

Table 3 show the summary usage for all segments. During the month, total segment intervals is the product of all 351 segments and the number of intervals during the month. In January, there were 1,044,57 segment intervals.⁸ The two circumstances (Cases (2) and (3)) when a segment is constrained occurred in more than 19,000 segment-intervals and almost always because the ATC was insufficient to schedule (i.e., $ATC < 4$ MW) rather than because it is fully used by a SEEM match. The most common case in the data was “Uncleared” (Case 4), where ATC was available

⁸ The maximum number of segment intervals in a month is (351 segments x 4 intervals x 24 hours x #days in the month). This is the maximum because occasionally the system requires shutting down for short periods to perform upgrades and other patches. In January, SEEM operated in all intervals.

or there was no ATC posted, but the segment was not used because no beneficial transactions were cleared by the SEEM model over that segment. These cases represent over 95 percent of all segment-intervals. The second most common case was case “Unavailable” (Case 3), where ATC was not sufficient to clear any SEEM transactions (2.9 percent of the time). The third most common case was “Partially Used” (Case 1), where the segment was partially used (1.8 percent of the time). Finally, in a small number of intervals, the Segment ATC was “Fully Used” (Case 2), where the segment was completely scheduled in the interval (1,210 intervals).

Table 3: Summary of All Segments

January 2025

Segment	Case 1		Case 2		Case 3		Case 4	
	Partially Used		Fully Used		Unavailable		Uncleared	
	Intervals	%	Intervals	%	Intervals	%	Intervals	%
All Segments	18,816	1.8%	1,210	0.1%	30,758	2.9%	993,792	95.1%

Measuring transmission capacity congestion by adding Case 2 and 3, the percentage of constrained segment intervals was 3.0 percent in January (versus 1.9 percent in December). Overall, these results indicate that transmission was generally available to facilitate economic transactions in the SEEM region. As we discussed above, transmission loss costs were likely the main factor in preventing economic trades from being consummated than transmission constraints.

Further insight into constrained segments can be gained from Table 4. It shows the 20 segments least often available to SEEM. All segments shown reported ATC of 0 in one or more intervals during the month (ATC Min=0). In some intervals there were at least some cleared trades. Like in previous months, these frequently unavailable paths are in many intervals unused when they are available (as indicated by the “Uncleared” column). Overall, the evaluation of individual segments indicates the system is largely unconstrained for SEEM activity.

Table 4: Most Constrained SEEM Segments
January 2025

Segment	ATC			Loading Factor		Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
S/TVA/AECI-DUK//	0	2	440	33	0.05%	6	0%	0	0%	2,012	68%	958	32%
S/TVA/AECI-TVA//	0	2	512	57	0.07%	6	0%	0	0%	1,980	67%	990	33%
S/TVA/AECI-CPLW//	0	2	308	0	0.00%	0	0%	0	0%	1,976	66%	1000	34%
S/TVA/AECI-SOCO//	0	2	512	68	0.09%	9	0%	1	0%	1,972	66%	994	33%
S/TVA/AECI-LGEE//	0	2	512	0	0.00%	0	0%	0	0%	1,972	66%	1004	34%
S/TVA/LGEE-AECI//	0	0	725	117	0.09%	8	0%	0	0%	1,800	60%	1168	39%
S/AECI/AECI-TVA//	0	0	607	158	0.18%	15	1%	5	0%	1,595	54%	1361	46%
S/TVA/CPLW-AECI//	0	51	308	16	0.02%	2	0%	0	0%	1,445	49%	1529	51%
S/TVA/DUK-AECI//	0	86	426	58	0.04%	7	0%	0	0%	1,413	47%	1556	52%
S/TVA/TVA-AECI//	0	241	725	0	0.00%	0	0%	0	0%	1,217	41%	1759	59%
S/TVA/SOCO-AECI//	0	627	725	1,157	0.39%	85	3%	0	0%	1,034	35%	1857	62%
S/MEAG/MEAG-DUK//	0	55	176	5	0.01%	1	0%	0	0%	388	13%	2587	87%
S/TVA/TVA-DUK//	0	440	440	4,760	1.75%	121	4%	12	0%	332	11%	2511	84%
S/TVA/SOCO-DUK//	0	440	440	246	0.09%	11	0%	2	0%	316	11%	2647	89%
S/TVA/CPLW-DUK//	0	308	308	0	0.00%	0	0%	0	0%	316	11%	2660	89%
S/TVA/LGEE-DUK//	0	440	440	2,919	1.07%	144	5%	3	0%	316	11%	2513	84%
S/MEAG/MEAG-SCEG//	3	14	15	0	0.00%	0	0%	0	0%	283	10%	2693	90%
SS/GTC/GTC-SCEG//	0	46	68	12	0.04%	1	0%	1	0%	267	9%	2707	91%
S/CPL/CPLW-TVA//	0	308	308	0	0.00%	0	0%	0	0%	261	9%	2715	91%
S/DUK/CPLW-TVA//	0	692	692	0	0.00%	0	0%	0	0%	252	8%	2724	92%

III. CONCLUSION

We reviewed the operation of SEEM for January 2025. We have developed operational procedures to validate the market rules and constraints of SEEM. All our screens have been validated, and we conclude the SEEM operated within the rules and constraints. We also have evaluated the SEEM outcomes and have not identified significant operating issues.

Appendix A

SEEM Path Usage -- January 2025

Segment	ATC			MWs	Loading Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
F/FPC/FPC-SOCO//	0	145	278	39,092	36.98%	874	29%	631	21%	150	5%	1321	44%
SS/SOCO/FL-SOCO//	14	626	1,532	21,764	4.47%	1,003	34%	1	0%	0	0%	1972	66%
S/TVA/SOCO-TVA//	0	3,863	4,740	13,681	0.49%	495	17%	0	0%	93	3%	2388	80%
F/TEC/TEC-FPC//	98	2,476	4,730	13,395	0.76%	1,040	35%	0	0%	0	0%	1936	65%
P/LGEE/LGEE-TVA//	0	1,623	1,623	12,654	1.13%	477	16%	0	0%	37	1%	2462	83%
F/FPC/TEC-SOCO//	0	161	278	10,924	9.56%	728	24%	143	5%	66	2%	2039	69%
S/DUK/SOCO-DUK//	34	1,824	2,220	9,581	0.76%	416	14%	0	0%	0	0%	2560	86%
S/SC/SOCO-SC//	347	1,602	2,480	7,873	0.66%	412	14%	0	0%	0	0%	2564	86%
F/JEA/SOCO-JEA//	0	642	989	7,844	1.75%	816	27%	4	0%	22	1%	2134	72%
S/CPL/DUK-CPLE//	36	3,138	7,334	7,023	0.29%	305	10%	0	0%	0	0%	2671	90%
S/SCEG/SOCO-SCEG//	0	1,124	2,218	6,753	0.82%	658	22%	2	0%	26	1%	2290	77%
SS/SOCO/SOCO-SOCO//	43,029	46,312	46,312	6,568	0.02%	288	10%	0	0%	0	0%	2688	90%
SS/SOCO/FL-TVA/MULTIPATHALIAS/	14	623	1,472	5,937	1.24%	304	10%	1	0%	0	0%	2671	90%
S/TVA/LGEE-SOCO//	0	3,000	3,000	5,829	0.29%	278	9%	8	0%	152	5%	2538	85%
SS/SOCO/SOCO-DUK//	-58	431	829	5,081	1.62%	171	6%	28	1%	138	5%	2639	89%
SS/SOCO/TVA-SOCO//	296	1,141	1,530	4,841	0.57%	159	5%	0	0%	0	0%	2817	95%
S/TVA/TVA-DUK//	0	440	440	4,760	1.75%	121	4%	12	0%	332	11%	2511	84%
S/DUK/TVA-DUK//	0	692	692	4,528	1.04%	127	4%	8	0%	62	2%	2779	93%
SS/SOCO/FL-SCEG/MULTIPATHALIAS/	0	83	125	3,958	6.55%	336	11%	97	3%	218	7%	2325	78%
S/TVA/TVA-SOCO//	0	4,865	5,000	3,931	0.11%	122	4%	0	0%	5	0%	2849	96%
SS/SOCO/FL-SC/MULTIPATHALIAS/	0	193	598	3,627	2.79%	220	7%	89	3%	146	5%	2521	85%
S/CPL/TVA-DUK//	0	308	308	3,603	1.70%	156	5%	18	1%	31	1%	2771	93%
F/FPC/SOCO-FPC//	0	361	535	3,510	1.41%	224	8%	13	0%	191	6%	2548	86%
S/SC/SC-SOCO//	461	2,826	3,593	3,291	0.16%	188	6%	0	0%	0	0%	2788	94%
S/CPL/SC-CPLE//	32	1,783	4,139	3,224	0.23%	270	9%	0	0%	0	0%	2706	91%
S/MEAG/FPC-TVA//	None	None	None	3,196	0.00%	217	7%	0	0%	0	0%	2759	93%
S/DUK/TVA-CPLE//	0	692	692	3,194	0.73%	145	5%	0	0%	62	2%	2769	93%
S/TVA/LGEE-DUK//	0	440	440	2,919	1.07%	144	5%	3	0%	316	11%	2513	84%
S/TVA/LGEE-TVA//	0	3,000	3,000	2,916	0.14%	113	4%	3	0%	152	5%	2708	91%
SS/SOCO/SOCO-TVA//	393	1,595	2,535	2,897	0.25%	142	5%	0	0%	0	0%	2834	95%
SS/SOCO/SOCO-FL//	186	1,685	2,097	2,616	0.22%	239	8%	0	0%	0	0%	2737	92%
S/SC/SOCO-CPLE//	637	2,531	3,026	2,574	0.14%	198	7%	0	0%	0	0%	2778	93%
S/TVA/TVA-CPLW//	0	308	308	2,532	1.19%	99	3%	1	0%	40	1%	2836	95%
F/FPC/TEC-FPC//	385	2,544	4,779	2,471	0.13%	488	16%	0	0%	0	0%	2488	84%
S/MEAG/FPC-SC//	None	None	None	2,461	0.00%	269	9%	0	0%	0	0%	2707	91%
S/MEAG/SOCO-JEA//	None	None	None	2,066	0.00%	254	9%	0	0%	0	0%	2722	91%
SS/SOCO/SOCO-SC//	0	215	598	1,979	1.43%	117	4%	37	1%	146	5%	2676	90%
F/JEA/JEA-SOCO//	0	213	514	1,973	1.10%	341	11%	0	0%	156	5%	2479	83%
S/DUK/CPLW-CPLE//	72	999	1,243	1,957	0.28%	123	4%	0	0%	0	0%	2853	96%
S/DUK/SOCO-CPLE//	199	1,867	2,220	1,905	0.14%	126	4%	0	0%	0	0%	2850	96%
S/MEAG/SOCO-MEAG//	2,681	3,095	3,200	1,885	0.08%	83	3%	0	0%	0	0%	2893	97%
F/TEC/FPC-TEC//	0	1,792	3,217	1,857	0.15%	171	6%	7	0%	208	7%	2590	87%
F/FPC/FPC-TEC//	0	2,030	3,457	1,822	0.13%	174	6%	0	0%	114	4%	2688	90%
SS/SOCO/FL-DUK/MULTIPATHALIAS/	-58	365	829	1,810	0.65%	180	6%	6	0%	138	5%	2652	89%
S/CPL/CPLE-DUK//	0	3,260	7,572	1,752	0.07%	56	2%	0	0%	4	0%	2916	98%
SS/GTC/SOCO-GTC//	11,689	13,139	14,732	1,663	0.02%	63	2%	0	0%	0	0%	2913	98%
S/DUK/CPLW-DUK//	45	920	1,243	1,458	0.23%	51	2%	1	0%	0	0%	2924	98%
SS/GTC/FPC-TVA//	None	None	None	1,421	0.00%	99	3%	0	0%	0	0%	2877	97%
SS/GTC/FPC-SCEG//	None	None	None	1,412	0.00%	258	9%	0	0%	0	0%	2718	91%
S/TVA/DUK-TVA//	0	426	426	1,380	0.46%	97	3%	0	0%	97	3%	2782	93%
S/MEAG/MEAG-SOCO//	2,496	2,601	2,901	1,374	0.07%	54	2%	0	0%	0	0%	2922	98%
S/AECI/TVA-AECI//	0	726	988	1,348	0.29%	99	3%	1	0%	90	3%	2786	94%
SS/GTC/SOCO-DUK//	None	None	None	1,224	0.00%	53	2%	0	0%	0	0%	2923	98%
SS/GTC/TVA-JEA//	None	None	None	1,171	0.00%	95	3%	0	0%	0	0%	2881	97%
S/TVA/SOCO-AECI//	0	627	725	1,157	0.39%	85	3%	0	0%	1,034	35%	1857	62%
S/DUK/CPLE-TVA//	0	692	692	1,062	0.22%	31	1%	1	0%	143	5%	2801	94%
SS/SOCO/TVA-FL/MULTIPATHALIAS/	186	1,134	1,530	1,010	0.12%	69	2%	0	0%	0	0%	2907	98%
SS/GTC/FPC-SC//	None	None	None	988	0.00%	134	5%	0	0%	0	0%	2842	95%
S/SCEG/SCEG-SOCO//	1,044	2,662	5,688	959	0.05%	80	3%	0	0%	0	0%	2896	97%

Appendix A (continued)

Segment	ATC			Loading MWs	Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
S/CPL/SCEG-CPLE//	32	816	1,587	953	0.16%	103	3%	0	0%	0	0%	2873	97%
S/SCEG/SOCO-CPLE//	0	4,070	6,455	909	0.03%	94	3%	0	0%	6	0%	2876	97%
SS/GTC/TVA-DUK//	None	None	None	892	0.00%	47	2%	0	0%	0	0%	2929	98%
SS/GTC/SOCO-JEA//	None	None	None	883	0.00%	92	3%	0	0%	0	0%	2884	97%
S/TVA/LGEE-CPLW//	0	308	308	873	0.41%	72	2%	5	0%	52	2%	2847	96%
SS/SOCO/SC-FL/MULTIPATHALIAS/	56	407	570	818	0.29%	70	2%	0	0%	0	0%	2906	98%
SS/GTC/FPC-DUK//	None	None	None	775	0.00%	75	3%	0	0%	0	0%	2901	97%
SS/GTC/GTC-DUK//	0	332	522	774	0.34%	20	1%	1	0%	23	1%	2932	99%
SS/SOCO/SC-TVA/MULTIPATHALIAS/	56	407	570	758	0.27%	40	1%	0	0%	0	0%	2936	99%
SS/SOCO/SOCO-SCEG//	0	83	125	758	1.24%	76	3%	19	1%	218	7%	2663	89%
SS/SOCO/SC-SOCO//	56	407	570	694	0.24%	51	2%	1	0%	0	0%	2924	98%
S/DUK/DUK-SOCO//	362	2,038	2,335	662	0.05%	102	3%	0	0%	0	0%	2874	97%
S/SC/SC-CPLE//	459	2,320	2,821	650	0.04%	85	3%	0	0%	0	0%	2891	97%
SS/SOCO/DUK-SOCO//	5	742	1,031	592	0.11%	42	1%	0	0%	0	0%	2934	99%
S/SC/SC-DUK//	446	2,490	3,913	589	0.03%	41	1%	0	0%	0	0%	2935	99%
S/MEAG/FPC-SCEG//	None	None	None	565	0.00%	262	9%	0	0%	0	0%	2714	91%
S/DUK/SC-DUK//	44	2,051	2,901	556	0.04%	39	1%	0	0%	0	0%	2937	99%
SS/GTC/FPC-MEAG//	None	None	None	492	0.00%	69	2%	0	0%	0	0%	2907	98%
S/CPL/DUK-TVA//	4	308	308	480	0.21%	24	1%	0	0%	0	0%	2952	99%
S/DUK/CPLW-CPLW//	0	454	454	474	0.16%	23	1%	0	0%	54	2%	2899	97%
S/MEAG/GTC-JEA//	None	None	None	466	0.00%	65	2%	0	0%	0	0%	2911	98%
S/TVA/CPLW-TVA//	0	308	308	464	0.20%	23	1%	0	0%	17	1%	2936	99%
S/SCEG/SC-SCEG//	689	3,390	10,682	457	0.02%	71	2%	0	0%	0	0%	2905	98%
SS/GTC/TVA-SCEG//	None	None	None	450	0.00%	53	2%	0	0%	0	0%	2923	98%
SS/GTC/FPC-GTC//	0	275	865	448	0.21%	22	1%	7	0%	60	2%	2887	97%
SS/SOCO/SCEG-SOCO//	25	125	191	448	0.47%	27	1%	9	0%	0	0%	2940	99%
S/SCEG/DUK-SCEG//	0	1,894	3,483	366	0.03%	84	3%	0	0%	14	0%	2878	97%
SS/GTC/SC-TVA//	None	None	None	362	0.00%	27	1%	0	0%	0	0%	2949	99%
S/SC/DUK-SC//	609	1,984	2,682	353	0.02%	43	1%	0	0%	0	0%	2933	99%
S/MEAG/SOCO-SC//	None	None	None	341	0.00%	54	2%	0	0%	0	0%	2922	98%
SS/GTC/TVA-FPC//	None	None	None	320	0.00%	35	1%	0	0%	0	0%	2941	99%
S/MEAG/FPC-SOCO//	None	None	None	307	0.00%	48	2%	0	0%	0	0%	2928	98%
SS/GTC/FPC-SOCO//	None	None	None	301	0.00%	35	1%	0	0%	0	0%	2941	99%
S/DUK/SOCO-SC//	199	1,751	2,220	298	0.02%	30	1%	0	0%	0	0%	2946	99%
SS/GTC/TVA-SC//	None	None	None	297	0.00%	26	1%	0	0%	0	0%	2950	99%
S/MEAG/GTC-MEAG//	1,702	2,069	2,370	284	0.02%	26	1%	0	0%	0	0%	2950	99%
S/MEAG/MEAG-JEA//	35	268	327	277	0.15%	34	1%	0	0%	0	0%	2942	99%
SS/GTC/GTC-SC//	0	196	230	274	0.22%	12	0%	1	0%	124	4%	2839	95%
S/MEAG/JEA-SC//	None	None	None	273	0.00%	43	1%	0	0%	0	0%	2933	99%
S/MEAG/JEA-MEAG//	0	97	224	272	0.36%	37	1%	6	0%	238	8%	2695	91%
S/DUK/DUK-TVA//	0	692	692	267	0.06%	60	2%	0	0%	236	8%	2680	90%
S/SC/SC-SCEG//	488	3,048	4,661	263	0.01%	35	1%	0	0%	0	0%	2941	99%
S/TVA/SOCO-DUK//	0	440	440	246	0.09%	11	0%	2	0%	316	11%	2647	89%
SS/SOCO/TVA-SCEG/MULTIPATHALIAS/	0	83	125	220	0.36%	28	1%	3	0%	218	7%	2727	92%
S/DUK/CPLW-SOCO//	911	2,077	2,335	216	0.01%	20	1%	0	0%	0	0%	2956	99%
S/MEAG/FPC-GTC//	None	None	None	208	0.00%	32	1%	0	0%	0	0%	2944	99%
S/SC/SOCO-SCEG//	0	1,172	2,172	207	0.03%	44	1%	0	0%	2	0%	2930	98%
SS/GTC/MEAG-JEA//	None	None	None	206	0.00%	30	1%	0	0%	0	0%	2946	99%
S/DUK/SCEG-DUK//	47	649	819	204	0.04%	24	1%	0	0%	0	0%	2952	99%
S/DUK/TVA-SOCO//	0	692	692	199	0.05%	4	0%	1	0%	62	2%	2909	98%
S/TVA/SOCO-CPLW//	0	308	308	198	0.09%	7	0%	0	0%	40	1%	2929	98%
S/DUK/DUK-SCEG//	0	114	711	177	0.21%	46	2%	1	0%	45	2%	2884	97%
S/DUK/CPLW-SOCO//	77	1,064	1,243	174	0.02%	7	0%	0	0%	0	0%	2969	100%
SS/GTC/DUK-GTC//	0	397	633	172	0.06%	6	0%	0	0%	87	3%	2883	97%
SS/GTC/SC-MEAG//	None	None	None	165	0.00%	12	0%	0	0%	0	0%	2964	100%
SS/GTC/GTC-TVA//	70	553	695	163	0.04%	7	0%	0	0%	0	0%	2969	100%
SS/GTC/GTC-SOCO//	20,000	20,000	20,000	162	0.00%	9	0%	0	0%	0	0%	2967	100%
SS/SOCO/SCEG-FL/MULTIPATHALIAS/	25	125	191	162	0.17%	18	1%	0	0%	0	0%	2958	99%
S/MEAG/TVA-JEA//	None	None	None	159	0.00%	34	1%	0	0%	0	0%	2942	99%
S/AECI/AECI-TVA//	0	0	607	158	0.18%	15	1%	5	0%	1,595	54%	1361	46%

Appendix A (continued)

Segment	ATC			MWs	Loading Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
S/CPL/CPLE-SC//	48	3,388	4,393	158	0.01%	17	1%	0	0%	0	0%	2959	99%
S/DUK/SOCO-SCEG//	0	114	711	158	0.19%	27	1%	1	0%	45	2%	2903	98%
S/SC/CPLE-SC//	0	2,078	2,603	158	0.01%	17	1%	0	0%	4	0%	2955	99%
SS/GTC/SOCO-SCEG//	None	None	None	156	0.00%	31	1%	0	0%	0	0%	2945	99%
SS/SOCO/TVA-DUK/MULTIPATHALIAS//	-58	431	829	153	0.05%	7	0%	0	0%	138	5%	2831	95%
SS/SOCO/DUK-FL/MULTIPATHALIAS//	5	742	1,031	152	0.03%	37	1%	0	0%	0	0%	2939	99%
S/CPL/CPLE-SCEG//	0	561	561	151	0.04%	12	0%	0	0%	3	0%	2961	99%
SS/GTC/SCEG-TVA//	None	None	None	147	0.00%	12	0%	0	0%	0	0%	2964	100%
SS/GTC/DUK-JEA//	None	None	None	146	0.00%	16	1%	0	0%	0	0%	2960	99%
SS/GTC/GTC-FPC//	617	1,096	1,322	146	0.02%	5	0%	0	0%	0	0%	2971	100%
S/SCEG/CPLE-SCEG//	0	2,159	4,117	141	0.01%	14	0%	0	0%	6	0%	2956	99%
SS/GTC/SC-GTC//	3	155	217	140	0.13%	8	0%	1	0%	3	0%	2964	100%
SS/GTC/GTC-JEA//	617	1,096	1,322	138	0.02%	21	1%	0	0%	0	0%	2955	99%
S/SCEG/SCEG-DUK//	715	2,264	5,470	136	0.01%	12	0%	0	0%	0	0%	2964	100%
SS/SOCO/TVA-SC/MULTIPATHALIAS//	0	215	598	136	0.10%	15	1%	2	0%	146	5%	2813	95%
SS/GTC/SCEG-GTC//	0	68	104	135	0.26%	9	0%	6	0%	6	0%	2955	99%
S/MEAG/JEA-TVA//	None	None	None	128	0.00%	15	1%	0	0%	0	0%	2961	99%
SS/GTC/JEA-TVA//	None	None	None	125	0.00%	18	1%	0	0%	0	0%	2958	99%
S/MEAG/SOCO-DUK//	None	None	None	123	0.00%	15	1%	0	0%	0	0%	2961	99%
S/TVA/LGEE-AECI//	0	0	725	117	0.09%	8	0%	0	0%	1,800	60%	1168	39%
S/MEAG/DUK-JEA//	None	None	None	115	0.00%	27	1%	0	0%	0	0%	2949	99%
SS/GTC/JEA-SC//	None	None	None	110	0.00%	18	1%	0	0%	0	0%	2958	99%
SS/GTC/JEA-SCEG//	None	None	None	103	0.00%	32	1%	0	0%	0	0%	2944	99%
S/MEAG/FPC-MEAG//	0	97	225	97	0.13%	20	1%	0	0%	238	8%	2718	91%
S/MEAG/SC-MEAG//	17	30	46	96	0.43%	2	0%	17	1%	0	0%	2957	99%
S/SCEG/CPLE-SOCO//	377	99,999	99,999	91	0.00%	8	0%	0	0%	0	0%	2968	100%
S/MEAG/SC-FPC//	None	None	None	84	0.00%	11	0%	0	0%	0	0%	2965	100%
S/MEAG/SOCO-FPC//	None	None	None	84	0.00%	16	1%	0	0%	0	0%	2960	99%
S/DUK/SC-TVA//	0	692	692	83	0.02%	7	0%	0	0%	241	8%	2728	92%
S/CPL/DUK-SCEG//	261	561	561	81	0.02%	10	0%	0	0%	0	0%	2966	100%
SS/SOCO/SCEG-TVA/MULTIPATHALIAS//	25	125	191	75	0.08%	14	0%	0	0%	0	0%	2962	100%
SS/GTC/JEA-MEAG//	None	None	None	72	0.00%	19	1%	0	0%	0	0%	2957	99%
S/MEAG/MEAG-SC//	0	43	63	69	0.22%	3	0%	5	0%	96	3%	2872	97%
S/MEAG/JEA-DUK//	None	None	None	68	0.00%	16	1%	0	0%	0	0%	2960	99%
S/MEAG/TVA-SC//	None	None	None	68	0.00%	9	0%	0	0%	0	0%	2967	100%
S/SCEG/SOCO-DUK//	715	7,745	11,853	68	0.00%	12	0%	0	0%	0	0%	2964	100%
S/TVA/AECI-SOCO//	0	2	512	68	0.09%	9	0%	1	0%	1,972	66%	994	33%
S/MEAG/TVA-DUK//	None	None	None	67	0.00%	11	0%	0	0%	0	0%	2965	100%
SS/GTC/GTC-MEAG//	9,628	9,999	9,999	65	0.00%	4	0%	0	0%	0	0%	2972	100%
S/TVA/DUK-AECI//	0	86	426	58	0.04%	7	0%	0	0%	1,413	47%	1556	52%
S/MEAG/SC-TVA//	None	None	None	57	0.00%	7	0%	0	0%	0	0%	2969	100%
S/TVA/AECI-TVA//	0	2	512	57	0.07%	6	0%	0	0%	1,980	67%	990	33%
SS/GTC/SCEG-FPC//	None	None	None	57	0.00%	6	0%	0	0%	0	0%	2970	100%
SS/GTC/SOCO-SC//	None	None	None	55	0.00%	12	0%	0	0%	0	0%	2964	100%
S/SC/SOCO-DUK//	1,639	2,531	3,026	54	0.00%	6	0%	0	0%	0	0%	2970	100%
S/DUK/DUK-SC//	369	2,226	2,596	49	0.00%	14	0%	0	0%	0	0%	2962	100%
SS/GTC/SC-JEA//	None	None	None	49	0.00%	8	0%	0	0%	0	0%	2968	100%
S/DUK/DUK-CPLE//	1,355	4,132	6,466	48	0.00%	14	0%	0	0%	0	0%	2962	100%
S/SC/SCEG-SC//	782	1,238	2,525	47	0.00%	6	0%	0	0%	0	0%	2970	100%
S/SCEG/SCEG-SC//	884	2,561	4,857	47	0.00%	6	0%	0	0%	0	0%	2970	100%
S/MEAG/DUK-FPC//	None	None	None	44	0.00%	11	0%	0	0%	0	0%	2965	100%
S/SCEG/SCEG-CPLE//	632	1,967	3,591	44	0.00%	9	0%	0	0%	0	0%	2967	100%
SS/GTC/JEA-DUK//	None	None	None	42	0.00%	14	0%	0	0%	0	0%	2962	100%
S/MEAG/MEAG-FPC//	35	268	327	37	0.02%	9	0%	0	0%	0	0%	2967	100%
F/FPC/SOCO-TEC//	0	360	535	35	0.01%	5	0%	0	0%	191	6%	2780	93%
S/MEAG/TVA-SCEG//	None	None	None	35	0.00%	17	1%	0	0%	0	0%	2959	99%
S/MEAG/SOCO-SCEG//	None	None	None	34	0.00%	18	1%	0	0%	0	0%	2958	99%
S/MEAG/SC-JEA//	None	None	None	33	0.00%	5	0%	0	0%	0	0%	2971	100%
S/TVA/AECI-DUK//	0	2	440	33	0.05%	6	0%	0	0%	2,012	68%	958	32%

Appendix A (continued)

Segment	ATC			MWs	Loading Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
SS/GTC/SOCO-FPC//	None	None	None	32	0.00%	6	0%	0	0%	0	0%	2970	100%
S/MEAG/JEA-SOCO//	None	None	None	31	0.00%	4	0%	0	0%	0	0%	2972	100%
SS/GTC/SC-FPC//	None	None	None	30	0.00%	9	0%	0	0%	0	0%	2967	100%
S/DUK/TVA-SCEG//	0	114	692	29	0.04%	8	0%	0	0%	107	4%	2861	96%
S/MEAG/GTC-FPC//	None	None	None	28	0.00%	11	0%	0	0%	0	0%	2965	100%
S/DUK/SOCO-TVA//	199	692	692	26	0.01%	4	0%	0	0%	0	0%	2972	100%
S/MEAG/MEAG-GTC//	2,291	2,601	2,969	26	0.00%	2	0%	0	0%	0	0%	2974	100%
S/MEAG/JEA-SCEG//	None	None	None	23	0.00%	21	1%	0	0%	0	0%	2955	99%
SS/GTC/DUK-FPC//	None	None	None	18	0.00%	5	0%	0	0%	0	0%	2971	100%
SS/GTC/SCEG-JEA//	None	None	None	17	0.00%	4	0%	0	0%	0	0%	2972	100%
S/TVA/CPLW-AECI//	0	51	308	16	0.02%	2	0%	0	0%	1,445	49%	1529	51%
SS/GTC/MEAG-SC//	None	None	None	16	0.00%	1	0%	0	0%	0	0%	2975	100%
S/MEAG/SCEG-MEAG//	8	15	22	15	0.14%	8	0%	0	0%	0	0%	2968	100%
S/SCEG/SC-SOCO//	4,098	8,156	12,258	15	0.00%	8	0%	0	0%	0	0%	2968	100%
S/DUK/CPLW-SCEG//	0	114	711	14	0.02%	3	0%	0	0%	45	2%	2928	98%
S/MEAG/GTC-SC//	None	None	None	14	0.00%	2	0%	0	0%	0	0%	2974	100%
S/SCEG/DUK-SOCO//	139	99,895	99,999	12	0.00%	1	0%	0	0%	0	0%	2975	100%
SS/GTC/DUK-TVA//	None	None	None	12	0.00%	3	0%	0	0%	0	0%	2973	100%
SS/GTC/GTC-SCEG//	0	46	68	12	0.04%	1	0%	1	0%	267	9%	2707	91%
SS/GTC/JEA-SOCO//	None	None	None	11	0.00%	2	0%	0	0%	0	0%	2974	100%
SS/GTC/SCEG-SOCO//	None	None	None	11	0.00%	5	0%	0	0%	0	0%	2971	100%
S/MEAG/JEA-GTC//	None	None	None	10	0.00%	7	0%	0	0%	0	0%	2969	100%
SS/GTC/MEAG-FPC//	None	None	None	10	0.00%	7	0%	0	0%	0	0%	2969	100%
SS/GTC/MEAG-GTC//	8,601	8,707	9,134	10	0.00%	1	0%	0	0%	0	0%	2975	100%
S/MEAG/TVA-FPC//	None	None	None	9	0.00%	3	0%	0	0%	0	0%	2973	100%
S/DUK/TVA-SC//	0	692	692	8	0.00%	1	0%	0	0%	62	2%	2913	98%
S/DUK/DUK-CPLW//	0	454	454	6	0.00%	1	0%	0	0%	40	1%	2935	99%
S/MEAG/SCEG-JEA//	None	None	None	6	0.00%	2	0%	0	0%	0	0%	2974	100%
S/MEAG/MEAG-DUK//	0	55	176	5	0.01%	1	0%	0	0%	388	13%	2587	87%
SS/GTC/SC-SOCO//	None	None	None	5	0.00%	1	0%	0	0%	0	0%	2975	100%
S/DUK/SC-SOCO//	797	1,978	2,335	4	0.00%	1	0%	0	0%	0	0%	2975	100%
S/MEAG/DUK-MEAG//	0	120	210	4	0.00%	1	0%	0	0%	34	1%	2941	99%
S/MEAG/SCEG-TVA//	None	None	None	4	0.00%	1	0%	0	0%	0	0%	2975	100%
S/MEAG/GTC-SCEG//	None	None	None	2	0.00%	2	0%	0	0%	0	0%	2974	100%
S/SC/DUK-SCEG//	686	2,299	3,706	2	0.00%	1	0%	0	0%	0	0%	2975	100%
SS/GTC/MEAG-SCEG//	None	None	None	2	0.00%	2	0%	0	0%	0	0%	2974	100%
F/FPC/FPC-FPC/FPC-FPCS/	1,159	2,977	3,575	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/FPC-GVL//	0	198	401	0	0.00%	0	0%	0	0%	80	3%	2896	97%
F/FPC/FPC-SEC/FPC-SSN/	0	1,310	1,922	0	0.00%	0	0%	0	0%	84	3%	2892	97%
F/FPC/GVL-FPC//	0	373	523	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/FPC/GVL-FPC/GVL-FPCS/	0	373	523	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/FPC/GVL-SEC/GVL-SSN/	124	378	523	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/GVL-SOCO//	0	161	278	0	0.00%	0	0%	0	0%	62	2%	2914	98%
F/FPC/GVL-TEC//	0	377	523	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/FPC/SEC-FPC/SSN-FPC/	0	524	1,119	0	0.00%	0	0%	0	0%	168	6%	2808	94%
F/FPC/SEC-FPC/SSN-FPCS/	0	524	1,119	0	0.00%	0	0%	0	0%	168	6%	2808	94%
F/FPC/SEC-FPC/SSO-FPC/	96	510	1,058	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/SEC-FPC/SSO-FPCS/	96	510	1,058	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/SEC-GVL/SSN-GVL/	0	199	401	0	0.00%	0	0%	0	0%	12	0%	2964	100%
F/FPC/SEC-GVL/SSO-GVL/	0	199	401	0	0.00%	0	0%	0	0%	8	0%	2968	100%
F/FPC/SEC-SEC/SSO-SSN/	160	797	1,192	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/SEC-SOCO/SSN-SOCO/	0	161	278	0	0.00%	0	0%	0	0%	62	2%	2914	98%
F/FPC/SEC-SOCO/SSO-SOCO/	0	161	278	0	0.00%	0	0%	0	0%	66	2%	2910	98%
F/FPC/SEC-TEC/SSN-TEC/	0	892	1,193	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/FPC/SEC-TEC/SSO-TEC/	167	806	1,225	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/SOCO-FPC/SOCO-FPCS/	0	361	535	0	0.00%	0	0%	0	0%	191	6%	2785	94%
F/FPC/SOCO-GVL//	0	186	380	0	0.00%	0	0%	0	0%	195	7%	2781	93%
F/FPC/SOCO-SEC/SOCO-SSN/	0	361	535	0	0.00%	0	0%	0	0%	191	6%	2785	94%
F/FPC/TEC-FPC/TEC-FPCS/	385	2,508	3,347	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/FPC/TEC-GVL//	0	198	401	0	0.00%	0	0%	0	0%	8	0%	2968	100%

Appendix A (continued)

Segment	ATC			MWhs	Loading Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
F/FPC/TEC-SEC/TEC-SSN/	0	1,321	1,922	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/JEA/JEA-SEC/JEA-SSN/	0	518	518	0	0.00%	0	0%	0	0%	24	1%	2952	99%
F/JEA/SEC-JEA/SSN-JEA/	0	487	487	0	0.00%	0	0%	0	0%	16	1%	2960	99%
F/JEA/SEC-SOCO/SSN-SOCO/	0	213	514	0	0.00%	0	0%	0	0%	156	5%	2820	95%
F/JEA/SOCO-SEC/SOCO-SSN/	0	502	502	0	0.00%	0	0%	0	0%	2	0%	2974	100%
F/SEC/FPC-JEA//	0	537	637	0	0.00%	0	0%	0	0%	88	3%	2888	97%
F/SEC/FPC-SEC/FPC-SSN/	0	1,310	1,872	0	0.00%	0	0%	0	0%	84	3%	2892	97%
F/SEC/JEA-FPC//	0	637	637	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/SEC/JEA-SEC/JEA-SSN/	14	637	637	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/SEC/SEC-FPC/SSN-FPC/	0	687	1,349	0	0.00%	0	0%	0	0%	24	1%	2952	99%
F/SEC/SEC-FPC/SSO-FPC/	96	508	939	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/SEC/SEC-JEA/SSN-JEA/	0	587	637	0	0.00%	0	0%	0	0%	4	0%	2972	100%
F/SEC/SEC-TEC/SSO-TEC/	167	729	729	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/SEC/TEC-FPC//	290	630	729	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/SEC/TEC-SEC/TEC-SSO/	99	345	729	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/TEC/SEC-FPC/SSO-FPC/	98	729	729	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/TEC/SEC-TEC/SSO-TEC/	167	729	729	0	0.00%	0	0%	0	0%	0	0%	2976	100%
F/TEC/TEC-SEC/TEC-SSO/	99	345	729	0	0.00%	0	0%	0	0%	0	0%	2976	100%
P/LGEE/TVA-LGEE//	465	1,421	1,424	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/CPLW-DUK//	139	1,112	1,718	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/CPLW-TVA//	0	308	308	0	0.00%	0	0%	0	0%	261	9%	2715	91%
S/CPL/DUK-CPLW//	262	770	930	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/DUK-SC//	1,552	2,951	4,393	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/SC-DUK//	1,024	2,490	4,653	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/SC-SCEG//	261	561	561	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/SCEG-DUK//	544	816	1,790	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/SCEG-SC//	544	816	3,635	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/CPL/TVA-CPLW//	0	308	308	0	0.00%	0	0%	0	0%	66	2%	2910	98%
S/DUK/CPL-DUK//	34	3,153	5,959	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/CPL-SC//	310	2,496	2,596	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/CPL-SCEG//	0	114	711	0	0.00%	0	0%	0	0%	45	2%	2931	98%
S/DUK/CPLW-SC//	72	999	1,243	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/CPLW-TVA//	0	692	692	0	0.00%	0	0%	0	0%	252	8%	2724	92%
S/DUK/SC-CPL//	252	2,901	2,901	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/SC-CPLW//	0	454	454	0	0.00%	0	0%	0	0%	77	3%	2899	97%
S/DUK/SC-SCEG//	0	114	711	0	0.00%	0	0%	0	0%	45	2%	2931	98%
S/DUK/SCEG-CPL//	398	649	819	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/SCEG-CPLW//	0	454	454	0	0.00%	0	0%	0	0%	64	2%	2912	98%
S/DUK/SCEG-SC//	398	649	819	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/SCEG-SOCO//	398	649	819	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/DUK/SCEG-TVA//	0	649	692	0	0.00%	0	0%	0	0%	252	8%	2724	92%
S/DUK/SOCO-CPLW//	0	454	454	0	0.00%	0	0%	0	0%	63	2%	2913	98%
S/DUK/TVA-CPLW//	0	454	454	0	0.00%	0	0%	0	0%	113	4%	2863	96%
S/MEAG/MEAG-SCEG//	3	14	15	0	0.00%	0	0%	0	0%	283	10%	2693	90%
S/MEAG/MEAG-TVA//	0	128	148	0	0.00%	0	0%	0	0%	32	1%	2944	99%
S/MEAG/TVA-MEAG//	13	57	158	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/CPL-DUK//	3,571	3,839	4,563	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/CPL-SCEG//	0	2,102	4,642	0	0.00%	0	0%	0	0%	4	0%	2972	100%
S/SC/CPL-SOCO//	764	3,205	4,097	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/DUK-CPL//	2,807	3,525	3,799	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/DUK-SOCO//	2,710	3,205	3,631	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/SCEG-CPL//	834	1,868	3,165	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/SCEG-DUK//	1,847	3,065	3,262	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SC/SCEG-SOCO//	746	2,605	3,262	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SCEG/CPL-DUK//	377	99,999	99,999	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SCEG/CPL-SC//	377	6,703	11,446	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SCEG/DUK-CPL//	139	99,880	99,997	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SCEG/DUK-SC//	139	8,305	99,903	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SCEG/SC-CPL//	632	5,385	99,993	0	0.00%	0	0%	0	0%	0	0%	2976	100%
S/SCEG/SC-DUK//	715	99,990	99,999	0	0.00%	0	0%	0	0%	0	0%	2976	100%

Appendix A (continued)

Segment	ATC			MWhs	Loading Factor	Partially Used		Fully Used		Unavailable		Uncleared	
	Min	Median	Max			Intervals	%	Intervals	%	Intervals	%	Intervals	%
S/SCEG/SOCO-SC//	0	3,827	5,767	0	0.00%	0	0%	0	0%	6	0%	2970	100%
S/TVA/AECI-CPLW//	0	2	308	0	0.00%	0	0%	0	0%	1,976	66%	1000	34%
S/TVA/AECI-LGEE//	0	2	512	0	0.00%	0	0%	0	0%	1,972	66%	1004	34%
S/TVA/CPLW-DUK//	0	308	308	0	0.00%	0	0%	0	0%	316	11%	2660	89%
S/TVA/CPLW-LGEE//	0	308	308	0	0.00%	0	0%	0	0%	93	3%	2883	97%
S/TVA/CPLW-SOCO//	0	308	308	0	0.00%	0	0%	0	0%	5	0%	2971	100%
S/TVA/DUK-CPLW//	0	308	308	0	0.00%	0	0%	0	0%	40	1%	2936	99%
S/TVA/DUK-LGEE//	0	426	426	0	0.00%	0	0%	0	0%	93	3%	2883	97%
S/TVA/DUK-SOCO//	0	426	426	0	0.00%	0	0%	0	0%	5	0%	2971	100%
S/TVA/SOCO-LGEE//	0	2,995	3,000	0	0.00%	0	0%	0	0%	93	3%	2883	97%
S/TVA/TVA-AECI//	0	241	725	0	0.00%	0	0%	0	0%	1,217	41%	1759	59%
S/TVA/TVA-LGEE//	0	2,968	3,000	0	0.00%	0	0%	0	0%	93	3%	2883	97%
SS/GTC/GTC-GTC//	25,335	25,735	25,835	0	0.00%	0	0%	0	0%	0	0%	2976	100%
SS/GTC/JEA-GTC//	0	275	865	0	0.00%	0	0%	0	0%	60	2%	2916	98%
SS/GTC/TVA-GTC//	0	248	374	0	0.00%	0	0%	0	0%	52	2%	2924	98%
SS/SOCO/DUK-SC/MULTIPATHALIAS/	0	194	542	0	0.00%	0	0%	0	0%	146	5%	2830	95%
SS/SOCO/DUK-SCEG/MULTIPATHALIAS/	0	83	125	0	0.00%	0	0%	0	0%	219	7%	2757	93%
SS/SOCO/DUK-TVA/MULTIPATHALIAS/	5	742	1,031	0	0.00%	0	0%	0	0%	0	0%	2976	100%
SS/SOCO/SC-DUK/MULTIPATHALIAS/	-58	332	570	0	0.00%	0	0%	0	0%	138	5%	2838	95%
SS/SOCO/SC-SCEG/MULTIPATHALIAS/	0	83	125	0	0.00%	0	0%	0	0%	218	7%	2758	93%
SS/SOCO/SCEG-DUK/MULTIPATHALIAS/	-58	121	191	0	0.00%	0	0%	0	0%	138	5%	2838	95%
SS/SOCO/SCEG-SC/MULTIPATHALIAS/	0	107	191	0	0.00%	0	0%	0	0%	146	5%	2830	95%