

NATIONAL EXCHANGE CARRIER ASSOCIATION  
COMMON LINE DEMAND TRENDS

VOLUME 3  
EXHIBIT 1  
Workpaper 1 OF 1

COMPANY: AVG SCHEDULE & COST

	<u>PYCOS 2022</u>	<u>2023/2024 Test Period</u>	<u>GROWTH RATE</u>
<b>COMMON LINE POOL MEMBERS</b>			
TOTAL CPT*	1,085,596	970,907	-7.2%
Monthly Residence Line CPT	802,202	711,950	-7.6%
Monthly Single Line Business CPT	61,488	56,075	-6.0%
Monthly Multi Line Business CPT	221,906	202,882	-5.8%
BRI ISDN Arrangements	103	91	-7.9%
PRI ISDN Arrangements	2,140	1,994	-4.6%
DS1 Arrangements	151	141	-4.5%
SAS CHANNELS	2	2	0.0%
<b>END USER TARIFF MEMBERS</b>			
TARIFF MEMBER CPT*	1,078,250	964,311	-7.2%
Monthly Residence Line CPT	797,889	708,171	-7.6%
Monthly Single Line Business CPT	60,986	55,597	-6.0%
Monthly Multi Line Business CPT	219,375	200,543	-5.8%
BRI ISDN Arrangements	103	91	-7.9%
PRI ISDN Arrangements	2,113	1,968	-4.6%
DS1 Arrangements	151	141	-4.5%
SAS CHANNELS	2	2	0.0%
<b>NON-END USER TARIFF MEMBERS</b>			
NON-TARIFF MEMBER CPT	7,346	6,596	-6.9%
Monthly Residence Line CPT	4,313	3,779	-8.4%
Monthly Single Line Business CPT	502	478	-3.2%
Monthly Multi Line Business CPT	2,531	2,339	-5.1%
BRI ISDN Arrangements	0	0	NA
PRI ISDN Arrangements	27	26	-2.5%
DS1 Arrangements	0	0	NA
SAS CHANNELS	0	0	NA
<b>CBOL TARIFF MEMBERS</b>			
Consumer Broadband-only Loops	673,722	807,719	12.9%

\* Excludes 574 Unbunbled Network Element (UNE) CPT in PYCOS 2022 and 458 UNE CPT in 2023/2024Test Period.

NATIONAL EXCHANGE CARRIER ASSOCIATION  
CAF ICC DATA COLLECTION SUMMARY

VOLUME 3  
EXHIBIT 2  
Workpaper 1 OF 1

COMPANY: AVG SCHEDULE & COST

	<u>FY 2022*</u>	<u>2023/2024</u> <u>Test Period</u>	<u>Annualized Growth</u> <u>Rate</u>
<b>TRAFFIC SENSITIVE POOL MEMBERS</b>			
<b>MOU Projections</b>			
Interstate MOU	1,402,106,055	1,073,819,594	-14.1%
Intrastate MOU**	1,223,539,890	1,063,063,292	-7.7%
<b>Access Lines Projections***</b>			
Residence CPT Excluding Lifeline CPT	NA	925,943	NA
Single-Line Business CPT	NA	75,942	NA
Multi-Line Business CPT	NA	257,968	NA

\* Fiscal year 2022 is a time period from October 1, 2021 through September 30, 2022.

\*\* For the companies which didn't provide FY 2022 data, settlement is used.

\*\*\* Demand for FY 2022 was not collected in 2023 CAF ICC data collection.

**NATIONAL EXCHANGE CARRIER ASSOCIATION  
RATE DEVELOPMENT & COST ANALYSIS  
SPECIAL ACCESS DEMAND TRENDS**

**VOLUME 3  
EXHIBIT 3  
WORKPAPER 1 OF 2**

COST AND AVERAGE SCHEDULE  
TOTAL NECA POOL - GROUP B,C,D

LINE DESCRIPTION	2022 AVERAGE MONTHLY DEMAND	2023/2024 TEST PERIOD FORECAST	2023/2024 TEST PERIOD ANNUAL GROWTH
2W VG - CT <sup>1</sup>	68	51	-17.7%
2W VG - CMF <sup>1</sup>	1,997	1,490	-17.7%
2W VG - CMT <sup>1</sup>	97	72	-17.7%
2W VG - CIRCUITS <sup>1</sup>	52	39	-17.7%
4W VG - CT <sup>1</sup>	237	177	-17.7%
4W VG - CMF <sup>1</sup>	1,416	1,057	-17.7%
4W VG - CMT <sup>1</sup>	127	95	-17.7%
4W VG - CIRCUITS <sup>1</sup>	182	136	-17.7%

<sup>1</sup> INCLUDES WATS

**NATIONAL EXCHANGE CARRIER ASSOCIATION  
RATE DEVELOPMENT & COST ANALYSIS  
SPECIAL ACCESS DEMAND TRENDS**

**VOLUME 3  
EXHIBIT 3  
WORKPAPER 2 OF 2**

COST AND AVERAGE SCHEDULE  
TOTAL NECA POOL - GROUP B,C,D

LINE DESCRIPTION	2022 AVERAGE MONTHLY DEMAND	2023/2024 TEST PERIOD	2023/2024 TEST PERIOD ANNUAL
HI CAP 1.544 - CT <sup>1</sup>	8,036	6,358	-14.5%
3 YEAR DISCOUNT CT	663	525	-14.5%
5 YEAR DISCOUNT CT	3,216	2,544	-14.5%
HI CAP 1.544 - CMF <sup>1</sup>	64,942	51,379	-14.5%
HI CAP 1.544 - CMT <sup>1</sup>	7,637	6,042	-14.5%
HI CAP 1.544 - CIRCUITS <sup>1</sup>	5,740	4,541	-14.5%
HI CAP 44.736 - CT <sup>2</sup>	142	108	-16.9%
3 YEAR DISCOUNT CT	16	12	-16.9%
5 YEAR DISCOUNT CT	28	21	-16.9%
HI CAP 44.736 - CMF <sup>2</sup>	2,766	2,094	-16.9%
HI CAP 44.736 - CMT <sup>2</sup>	194	147	-16.9%
HI CAP 44.736 - CIRCUITS <sup>2</sup>	102	77	-16.9%
SONET OC3 - CT	15	12	-14.3%
SONET OC3 - CMT	9	7	-17.1%
SONET OC3 - CMF	698	547	-15.0%
SONET OC3 - CIRCUITS	11	8	-14.3%
ETS Basic Port, 10 Mbps	838	981	11.0%
ETS Channel Termination, 10 Mbps, (300+ feet)	611	715	11.0%
ETS EVC, Interswitch, 10 Mbps	31	36	11.0%
ETS Basic Port, 50 Mbps	517	605	11.0%
ETS Channel Termination, 50 Mbps, (300+ feet)	358	419	11.0%
ETS EVC, Interswitch, 50 Mbps	27	32	11.0%
ETS Basic Port, 100 Mbps	607	710	11.0%
ETS Channel Termination, 100 Mbps, (300+ feet)	377	441	11.0%
ETS EVC, Interswitch, 100 Mbps	122	143	11.0%

<sup>1</sup> Includes counts for DS1 3 year & 5 year discount plans.

<sup>2</sup> Includes counts for DS3 3 year & 5 year discount plans.

**VOLUME 3**

**APPENDIX A**

**2023 FORECAST LINE COUNT DATA COLLECTION**

## **2023 Forecast Line Count Data Collection**

(For All Common Line Pool Participants)

DIRECT QUESTIONS TO:  
Roman Sysuyev  
Phone: (973) 884-8441  
E-mail: [rsysuyev@neca.org](mailto:rsysuyev@neca.org)

**ACCESS CHARGE TARIFF DEMAND DATA**  
**ITEM DESCRIPTION**

Company Name \_\_\_\_\_

Holding Company Name \_\_\_\_\_

Study Area Code (6 digits) \_\_\_\_\_

Contact Name \_\_\_\_\_

Contact Telephone Number \_\_\_\_\_

**GENERAL INSTRUCTIONS AND DESCRIPTIONS  
OF DATA ITEMS**

**Main Page**

The purpose of this data request is to collect study area level lines and Consumer Broadband Only Loop (CBOL) counts that NECA will use to set rates and file data used by USAC to develop Connect America Fund Broadband Loop Support (CAF BLS) for the July 1, 2023- June 30, 2024 test period. Following the requirements of the FCC's USF Reform Order released on December 13, 2018, the data will also be used to initialize the mandatory annual FCC Form 507 filing due by March 31, 2023.

To accommodate the requirements of the Order, the data are requested for historical and projected year-end access line counts as of December 31, 2022, December 31, 2023, and December 31, 2024. This data request also collects projected test period July 1, 2023– June 30, 2024 monthly average broadband-only loop counts from average schedule companies.

If you need assistance developing forecasted line counts for December 2023 and December 2024, you can consult the forecasts developed by NECA based on settlements data and last year's Annual Forecast Line Count Data Request inputs. NECA's forecasts can be obtained from your regional manager. Ultimately, your company is responsible for the line and loop count forecasts submitted to NECA in this Forecast Line Count Data Request.

To set rates for the 2023 Annual Access Tariff Filing, NECA requests that companies supply line and loop count information for the following:

- Residential Customer Premise Terminations (CPTs) - (Exclude Centrex, ISDN, & Lifeline Assistance CPTs)
- Lifeline CPTs
- Single Line Business CPTs - (Exclude ISDN)
- Multi-line Business Customer CPTs - (Exclude Centrex, ISDN and DS1 Channel Service Arrangements)
- Centrex residence and dormitory CPTs
- Centrex business CPTs

- Basic Rate Interface ISDN
- Primary Rate Interface ISDN (report arrangements, not access lines equivalent)
- DS1 Channel Line Arrangements (report arrangements, not access lines equivalent)
- Special Access Surcharge Channels

Companies that set their own SLC rates are asked to enter those rates into the following two fields:

- Residential and Single Line Business Rates
- Multi-line Business Rates

Companies using NECA's SLC rates are asked to indicate that NECA sets their SLC rates.

Average Schedule companies are required to enter projected average monthly Consumer Broadband-only Loop counts for the test period from July 1, 2023 to June 30, 2024.

**Special Instructions for Companies Having Fewer than 5,000 Residential/Single-Line Business Lines**

Companies with fewer than 5,000 access lines have an alternative option for reporting single and multi-line counts.

If your company chooses this option, please follow the following instructions:

- **Single-Lines**  
Report the sum of Residential Single CPTs, Single Line Business CPTs, Lifeline CPTs, Residential Centrex CPTs, and BRI ISDN Arrangements.  
  
(Note: The double counting of lines should be avoided. For example, it is assumed that Lifeline CPTs are NOT also counted in Residential Single CPTs.)
- In all cases, positive line count information must be placed in the residential CPTs Data Line #1010. However, in those cases where forecasts are not available for future time periods, it is acceptable to copy the historic period (Dec. 31, 2022 value into the two forecast period cells (for 2023 and 2024).
- **Multi-Lines**  
Report the sum of multi-line business CPTs, business Centrex CPTs, PRI ISDN

arrangements (with that item scaled by a factor of 5) and the DS1 Channel Service Arrangements (with that item also scaled by a factor of 5) into the columns of Data Line #1020.

- In those cases where forecasts are not available for future time periods, it is acceptable to copy the historic period (Dec. 31, 2022) value into the two forecast period cells (for 2023 and 2024).

Please Note: By aggregating your line count data on this website, you will automatically preclude your company from selecting the MLB FUSC Rate Banding Option in the upcoming annual filing. This is because the "minimal" two categories of line data on this website will not provide enough information to enable NECA to set up an MLB FUSC band option for your company.

If your company wishes to select the MLB FUSC Rate Banding Option and has a positive Business Centrex CPT count, you should report Business Centrex CPTs where indicated and exclude that number from the total multi-line count within this data request. If you enter 0 lines for Business Centrex CPTs, you will not be eligible for the MLB FUSC Rate Banding Option.

NATIONAL EXCHANGE CARRIER ASSOCIATION  
FORECAST LINE COUNT DATA COLLECTION

CPT Counts Section

COMMON LINE END USER ELEMENTS	Actual Amounts		Forecasted Amounts	
	Data Line	Dec. 31, 2022	Dec. 31, 2023	Dec. 31, 2024
Description				
Resident Customer Premises Terminations – <u>CPTs (Exclude Centrex, ISDN &amp; Lifeline Assistance)</u>	1010			
Lifeline Assistance Customer Premises Terminations – <u>CPTs</u>	1011			
Single-Line Business Customer Premises Terminations – <u>CPTs (Exclude ISDN and mobile telephone)</u>	1012			
Multi-Line Business Customer Premises Terminations – <u>CPTs (Exclude Centrex, total Payphone lines, ISDN and company officials)</u>	1020			
Number of <i>Centrex CPTs</i> (Residential/Dormitory)	1021			
Number of <i>Centrex CPTs</i> (Business)	1022			
Number of total <b>Payphone</b> Lines	1025			
Number of <b>Payphone</b> Lines that are assessed FUSC	1026			

**NATIONAL EXCHANGE CARRIER ASSOCIATION  
FORECAST LINE COUNT DATA COLLECTION**

**BRI and PRI Arrangements Section**

COMMON LINE END USER ELEMENTS	Actual Amounts		Forecasted Amounts	
	Data Line	Dec. 31, 2022	Dec. 31, 2023	Dec. 31, 2024
Description				
Number of BRI (Basic Rate Interface) – ISDN <u>Arrangements</u>	1030			
Number of PRI (Primary Rate Interface) - ISDN <u>Arrangements</u>	1040			
Number of DS1 Channel Service <u>Arrangements</u>	1045			

**Special Access Channels Section**

COMMON LINE END USER ELEMENTS	Actual Amounts		Forecasted Amounts	
	Data Line	Dec. 31, 2022	Dec. 31, 2023	Dec. 31, 2024
Description				
Special Access Surcharge <u>Channels</u>	1050			
Unbundled Network Elements Loop <u>UNE</u>	1055			

**CBOL Counts Section**

Description	Data Line	Forecasted Counts
		July 1, 2023-June 30, 2024
Forecasted Average Monthly CBOL Counts for the Test Period <b>July 1, 2023-June 30, 2024</b>	1100	

**NATIONAL EXCHANGE CARRIER ASSOCIATION  
FORECAST LINE COUNT DATA COLLECTION**

**For companies Filing their own End User Tariffs**

**SLC Rates Section**

(Please select one)

NECA sets rates

My company sets rates

**Please Indicate your SLC Rates for:**

<b>Description</b>	<b>Data Line</b>	<b>Current Rate</b>	<b>Proposed Rate for Test Period Starting July 1, 2023</b>
Residential and Single Line Business Rates*	2010		
Multi-Line Business Rates**	2020		

(\*) The current rate for Residential/ Single-Line Business EUCL is capped at \$6.50 and the proposed rate for Residential/Single-Line Business EUCL is capped at \$6.50.

(\*\*) The rate cap for Multi-line Business is \$9.20.

**Comments Section (optional)**

Please use the space below for any comments that would be helpful relating to any of your data entry activities on this website for (your telephone company).

**END USER COMMON LINE QUANTITIES  
FORECAST LINE COUNT DATA COLLECTION  
DEFINITIONS**

<u>Data Line</u>	<u>Description</u>
<u>Definition</u>	Customer Premises Termination ( <b>CPT</b> ): CPTs are commonly referred to as “ <u>Main Station Equivalents</u> ” or “ <u>Billable Units</u> ”. A CPT is a line termination at the customer’s premises.
<u>Data Line</u>	<u>Description</u>
1010	<b><u>Residence Customer Premises Terminations (CPTs)</u></b>  The number of residence CPTs, as of Dec. 31 <sup>th</sup> each year that are assessed the residence interstate end user common line (EUCL) charge. If your company offers multi-party service, the number of CPTs will be greater than the number of access lines. If your company does not offer multi-party service, the number of CPTs will equal the number of access lines. <u>Lifeline CPTs, Centrex and ISDN assessed EUCLs should be excluded.</u> Here are three examples of how to count residence CPTs:  Example 1: One single-party residence access line = one residence CPT.  Example 2: One multi-party residence access line terminating at two customer premises locations (“bridged in field”) = two residence CPTs.  Example 3: Two single-party residence access lines terminating at one customer premises = two residence CPTs.
1011	<b><u>Lifeline Assistance Customer Premises Terminations (CPTs)</u></b>  The number of lifeline assistance service lines as of Dec. 31 <sup>th</sup> of each year.
1012	<b><u>Single-Line Business Customer Premises Terminations (CPTs)</u></b>  The number of single-line business CPTs, as of September 30 <sup>th</sup> each year that are assessed the single line business interstate EUCL charge. Refer to the residence CPT examples above. <u>Exclude ISDN services, and mobile telephone.</u>

**END USER COMMON LINE QUANTITIES  
FORECAST LINE COUNT DATA COLLECTION**

<u>Data Line</u>	<u>Description</u>
1020	<p><b><u>Multi-Line Business Customer Premises Terminations (CPTs)</u></b></p> <p>The number of Multi-Line Business CPTs as of Dec. 31<sup>th</sup> each year that are assessed the multi-line business interstate EUCL charge. A CPT is a line termination at the customer's premises. If your company offers multi-party, multi-line business service, the number of CPTs will be greater than the number of multi-line business access lines. If your company does not offer multi-party multi-line business service, the number of CPTs will equal the number of multi-line business access lines. . Exclude <u>ISDN, Centrex, total Payphone lines and company official lines.</u></p> <p>Here are four examples of how to count multi-line business CPTs.</p> <p>Example 1: Two single-party multi-line business access lines = two multi-line business CPTs.</p> <p>Example 2: Ten PBX trunks = ten multi-line business CPTs.</p> <p>Example 3: Five single-party multi-line business access lines terminating at one customer premises location = five multi-line business CPTs.</p> <p>Example 4: Two key system lines = two multi-line business CPTs.</p>
1021	<p><b><u>Residential (incl. Dormitory) Centrex Customer Premises Terminations (CPTs)</u></b></p> <p>The number of Residential/Dormitory Centrex CPTs as of Sept 30<sup>th</sup> each year that are assessed the single line interstate EUCL charge. Centrex service is a local exchange service, provided by a telephone company system located in a telephone company central office, which controls the switching of:</p> <ul style="list-style-type: none"><li>▪ Calls from the exchange network to the Centrex lines</li><li>▪ Calls from the Centrex lines to the exchange network</li><li>▪ Intercommunicating calls between Centrex lines.</li></ul>

**END USER COMMON LINE QUANTITIES  
FORECAST LINE COUNT DATA COLLECTION**

<u>Data Line</u>	<u>Description</u>
1022	<p><b><u>Business Centrex Customer Premises Terminations (CPTs)</u></b></p> <p>The number Business Centrex CPTs as of Sept 30<sup>th</sup> each year that are assessed the multi-line business interstate EUCL charge. Centrex service is a local exchange service, provided by a telephone company system located in a telephone company central office, which controls the switching of:</p> <ul style="list-style-type: none"><li>▪ Calls from the exchange network to the Centrex lines</li><li>▪ Calls from the Centrex lines to the exchange network</li><li>▪ Intercommunicating calls between Centrex lines.</li></ul>
1025	<p><b><u>Total Payphone Lines</u></b></p> <p>The number of Payphone lines as of September 30th each year.</p> <p>Total Number of Payphone Service Provider (PSP) lines. This number includes all PSP line counts regardless of whether the lines are assessed Federal Universal Charge (FUSC) or not. PSP customers who do not contribute directly to USF are subject to the standard FUSC surcharge on MLB EUCL charges rather than the higher surcharge under optional MLB EUCL FUSC rate banding, therefore the number of PSP lines has to be separated out from the MLB count (line 1020).</p>
1026	<p><b>Payphone Lines that are assessed FUSC</b></p> <p>The number of Payphone lines as of Dec. 31<sup>th</sup> each year that are assessed Federal Universal Service Charge (FUSC) because the PSP customer does not contribute directly to USF (i.e., the PSP is de minimis under the FCC's contribution rules). This line count is part of the total Payphone line count.</p> <p>Starting year 2010, this is a separate field. Because PSP customers who contribute directly to USF are not assessed FUSC, the lines that are assessed FUSC have to be reported separately from the total Payphone lines count (line 1025).</p>

**END USER COMMON LINE QUANTITIES  
FORECAST LINE COUNT DATA COLLECTION**

<u>Data Line</u>	<u>Description</u>
1030	<p><b><u>Basic Rate Interface (BRI) ISDN Arrangements</u></b></p> <p>The number of BRI ISDN arrangements as of Sept 30<sup>th</sup> each year. Each BRI ISDN arrangement is capable of deriving up to 2 voice channels and one data channel. <u>You need to enter the “number of arrangements” on this line, <b>not</b> the number of EUCL charges that will be billed.</u></p> <p>NECA Tariff no. 5 requires <u>one</u> Residence or <u>one</u> Single-Line Business EUCL charge to be assessed for each BRI ISDN arrangement/service.</p> <p>Example: If there are three Residence or Single-Line Business BRI ISDN arrangements/services, then enter 3 in line 1030.</p>
1040	<p><b><u>Primary Rate Interface (PRI) ISDN Arrangements</u></b></p> <p>The number of PRI ISDN arrangements as of Dec. 31<sup>th</sup> each year. Although capable of deriving up to 23 voice channels and one data channel from each PRI ISDN, each PRI ISDN arrangement is counted only once for purposes of this data collection. <u>You need to enter the “number of arrangements” on this line, <b>not</b> the number of EUCL charges that will be billed.</u></p> <p>NECA Tariff No. 5 requires <u>five</u> Multi-Line business EUCL charges be assessed for each PRI-ISDN arrangement.</p> <p>Example: If there are 2 PRI ISDN arrangements/services, enter 2 in line 1040.</p>
1045	<p><b><u>DS1 Channel Service Arrangements</u></b></p> <p>The number of DS1 Channel Service arrangements as of Dec. 31<sup>th</sup> each year. The DS1 channel service is an arrangement under which an end user is provided a DS1 (1.544 Mbps) local exchange service by the Telephone Company under the general and/or local exchange tariff(s), and where the end user provides terminating channelization equipment. <u>You need to enter the “number of arrangements” on this line, <b>not</b> the number of EUCL charges that will be billed.</u></p> <p>NECA Tariff No. 5 requires <u>five</u> Multi-Line business EUCL charges be assessed for each DS1 Channel Service arrangement.</p> <p>Example: If there are 2 DS1 Channel Service arrangements/services, enter 2 in line 1045.</p>

**END USER COMMON LINE QUANTITIES  
FORECAST LINE COUNT DATA COLLECTION**

Data Line      Description

1050      Number of Special Access Surcharge Channels

The average number of working interstate private line facilities as of Dec. 31<sup>th</sup> each year connected to a PBX, Centrex CO, Centrex CO-Type or other device capable of interconnecting the private line facility to the local exchange network. The surcharge applies to the closed-end termination of a circuit.

The surcharge applies on a voice grade equivalent basis as shown in the following example:

<u>Special Access Facility</u>	<u>Voice Grade Equivalent</u>		<u>Surcharge</u>	=	<u>Monthly Charge</u>
Voice Grade	1	x	\$25	=	\$ 25
DS1	24	x	\$25	=	\$600

1055      Unbundled Network Elements Loop

The number of working 1.3 Loops exclusively provided as Unbundled Network Elements (UNE) to carriers for the provision of local exchange service as of Dec. 31<sup>th</sup> of each year. Please note that line-share UNEs (when, for example, your company uses the lines to provide voice service and bills them as UNE to CLEC providing DSL) SHOULD NOT be included in this field to avoid double counting.

DO NOT include the loops listed in this item in any other categories.

1100      Consumer Broadband Only Loop (CBOL)

CBOL revenue projections for the Test Period will be forwarded to USAC, which will use the information to compute CAF BLS for the July 1, 2023 through June 30, 2024 support period. The line is only open for average schedule companies.

**VOLUME 3**

**APPENDIX B**

**2023 CAF ICC DATA COLLECTION**

**Below are the changes in the Data Request for the Test Period 2023-2024 relative to the Data Request for the Test Period 2022-2023**

This year, based on FCC rules, the true-up for TP2021-2022 will be calculated and the Eligible Recovery for TP 2023-2024 will be adjusted to reflect that calculation. In addition, based on FCC clarification, any double recovery adjustments must be quantified and removed from the filed Eligible Recovery amounts for Test Period 2023-2024. Identification of the reason for the double recovery and the dollar impacts for Interstate Switched Access, Interstate Special Access, Interstate Common Line, and other (for all other amounts not recovered through interstate access) are also required.

Based on these changes, the following is a list of data collection line numbers and descriptions of the data needed on each:

**Interstate Screen:**

Line 1 - TY 2011-2012 interstate switched access revenue requirement excluding Pool Administration Expenses is reduced by the cost difference based on 2019 Cost Study for the BDS companies electing to unfreeze their frozen category relationships.

Line 2 – The interstate switched access revenue requirement for the 2023-2024 test period is the base period 2011-2012 revenue requirement \*95<sup>12</sup>, plus pool administration expenses. (Prepopulated, no input needed).

Line 14A – Any adjustments to the 2011-2012 interstate baseline switched access revenue requirement due to double recovery must be reported as a negative value on this line. Further information on events causing double recovery and calculation of double recovery may be found in the paper “Cost Changes Requiring Action to Avoid Double Recovery”. Line 14A adjustments to the 2011-2012 interstate switched access revenue requirement due to double recovery are amounts companies have not reported in last year’s Data Collection and are based on the 2021 Cost Study.

Line 14B (four lines) - Detailed, pre-coded descriptions of double recovery amounts entered on Line 14A must be provided on line 14B. The FCC may require documentation to support explanations listed on this line.

Line 14C (three lines) – This line is for the identification of offsetting double recovery adjustment amounts by category resulting from adjustments to the baseline switched access revenue requirement input on Line 14A. Companies must indicate category(ies) as interstate special access, interstate common line or “Other”.

Line 14 – This line will be the TP 2023-2024 interstate Eligible Recovery adjusted to remove double recovery. (Calculation line, no input needed).

Line 14D – This line identifies the true-up adjustment needed for the TP2020-2021 and TP 2021-2022 due to the double recovery amount. (Calculation line, no input needed).

Line 14E – This line is the adjusted interstate switched access Eligible Recovery which will be used in conjunction with TP 2021-2022 revenue and exogenous cost true ups, to calculate the post true up CAF ICC Support for TP 2023-2024. (Calculation line, no input needed).

**Intrastate Screen:**

Line 1 - The FY2011 (October 2010 through September 2011) Intrastate Terminating Switched Access Received Revenue including Adjustments due to Halo Uncollectibles (13A) and Correction of Errors (Line13B and 13D).

Line 2 – The intrastate switched access revenue requirement for the 2023-2024 test period is the base period 2011-2012 revenue requirement \*95<sup>12</sup>. (Prepopulated, no input needed).

Line 13 A – Any adjustments to the FY2011 intrastate switched access revenue requirement due to Halo Uncollectibles should be reported on this line. NECA will store data for amounts reported that require an FCC waiver, and apply only those amounts for which waivers are granted.

Line 13 B – This line is for the downward correction of reporting errors for FY2011 received revenue. No waiver is needed for this adjustment if the amount reported is negative and reduces the frozen baseline. Please provide support documentation.

Line 13 C – Report received revenue adjustments to FY2011 related to double recovery on this line. A waiver is not necessary for this reporting because the correction decreases the frozen baseline for purposes of adjusting Eligible Recovery and enables the company to avoid double recovery.

Line 13 D – This line is for the reporting of additional FY2011 received revenues due to correction of errors. Please provide support documentation. The revenue must have been received by March 31, 2012 per FCC rules.

Line 13 – This line is the calculated TP 2023-2024 Intrastate terminating switched access Eligible Recovery adjusted for changes to the FY2011 received revenue due to double recovery. (Calculation line, no input needed).

Line 13 E – The True-up adjustment for intrastate terminating switched access related to TP 2020-2021 and TP 2021-2022 double recovery. (Calculation line, no input needed).

**Toll Free Data Screen:**

Column 3 through Column 6- These columns display the current and proposed interstate and intrastate originating toll free end office rates at the rate element level.

Line 1 through Line 4 - These lines calculate the originating end office revenue for toll free calls between the current and proposed rates (bill and keep) in the 8YY Order. The difference between current and proposed revenue is the rate transition impact that is used to adjust the revenue to derive the revenue at the proposed rates.

Line 5 through 11 - These lines calculate the toll free database query revenue between the current rate of \$0.002224 and the proposed rate of \$0.0002 per query. The difference between current and proposed revenue is the rate transition impact that is used to adjust the revenue to derive the revenue at the proposed rates.

**TY 2023-2024 Interstate and Intrastate Toll Free Originating End Office Access Service Rate Calculations**

1	2	3	4	5	6
Study Area Code	Intrastate and Interstate Toll Free Usage-Based Originating End Office Access Service Rate Elements	Current Interstate Originating Toll Free End Office Rate	Current Intrastate Originating Toll Free End Office Rate	Proposed Interstate Originating Toll Free End Office Rate (bill and keep)	Proposed Intrastate Originating Toll Free End Office Rate (bill and keep)
	Input	Prepopulated	Prepopulated	Calculated	Calculated
	<b>Originating Local Switching</b>			0	0
	<b>Information Surcharge per 100 originating access minutes</b>			0	0
	<b>Originating Carrier Common Line</b>			0	0
	<b>Originating Transport or Residual Interconnection Charges</b>			0	0
	<b>Other</b>			0	0

Effective July 1, 2023 intrastate and interstate switched end office rates associated with 8YY traffic are bill and keep.

NECA does not file intrastate rates. Please refer to intrastate access rate tariff filings to view final intrastate rates.

**Toll Free Data Needed at the Study Area Level to Calculate Changes in Expected Revenue**

Originating Toll Free End Office

1	Current Interstate Originating Toll Free End Office Rates (Local Switching + Information Surcharge/100) per Minute (the TY2022-2023 rates)	Prepopulated based on Rate Band Placement
2	Proposed TY2023-2024 Interstate Originating Toll Free End Office Rates	\$0.00
3	Proposed TY2023-2024 Interstate Originating Toll Free End Office Demand (# of Minutes)	Input
4	Adjustments in Originating Toll Free End Office Revenue	(Line1-Line2)*Line3

Toll Free Database Query

5	Current Interstate Toll Free Database Query Rates - Basic	\$0.002224
6	Current Interstate Toll Free Database Query Rates - Vertical	\$0.002224
7	Proposed TY2023-2024 Toll Free Database Query Rates - Basic	\$0.000200
8	Proposed TY2023-2024 Toll Free Database Query Rates - Vertical	\$0.000200
9	Proposed TY2023-2024 Interstate Toll Free Database Query Demand - Basic	Input
10	Proposed TY2023-2024 Interstate Toll Free Database Query Demand - Vertical	Input
11	Adjustments in Toll Free Database Query Revenue	(Line5-Line7)*Line9+(Line6-Line8)*Line10

Increase in Eligible Recovery: Line 4 + Line 11 when Line 4>0, and Line 11>0

**Interstate Data Needed at the Study Area Level to Calculate Expected Revenue and Eligible Recovery**

1	TY 2011-2012 Frozen Interstate Switched Access Revenue Requirement excluding Pool Administration Expenses	Prepopulated
2	Projected TY 2023-2024 Interstate Switched Access Revenue Requirement + Pool Administration Expenses	Prepopulated
5	TY 2022-2023 Total Interstate Switched Access Composite Rate incl Rate Impact due to Changes in Pool Participation	Prepopulated
6	Projected TY 2023-2024 Total Interstate Local Switching Minutes	Prepopulated
7	Projected TY 2023-2024 Total Interstate Switched Access Revenue at the Current Rate	Line 5*Line 6
11	Adjustments to the Total Projected TY 2023-2024 Interstate Switched Access Revenue	Sum (Line 4, Line 11) on the Toll Free screen
12	Projected TY 2023-2024 Total Interstate Switched Access Revenue at the Proposed Rate	Line 7 - Line 11
13	Projected TY 2023-2024 Allocated Interstate Switched Access Revenue	Calculated
14A	Adjustments to the 2011-2012 Interstate Switched Access Revenue Requirement to Avoid Double Recovery	Input
14B	(1) Changes in Accounting or Categorization of Existing Investment	Input
14B	(2) Corrections of Errors	Input
14B	(3) Changes to Study Area Boundaries as a Result of Additions or Removals of Exchanges	Input
14B	(4) Other	Input
14C	Adjustment in 2011-2012 Interstate Special Access Revenue Requirement Related to Double Recovery	Input
14C	Adjustment in 2011-2012 Interstate Common Line Revenue Requirement Related to Double Recovery	Input
14C	Adjustment in 2011-2012 Other Related to Double Recovery	Input
14	Projected TY 2023-2024 Interstate Eligible Recovery	Line 2-Line13 +(Line14A)*(0.95) <sup>12</sup>
14D	True-Up Adjustments for 2020-2021 and 2021-2022 to avoid Double Recovery	(14A*0.95 <sup>9</sup> )/2+14A*0.95 <sup>10</sup>
14E	Adjusted TY 2023-2024 Interstate Eligible Recovery	Line14+Line14D
15	Proposed TY 2023-2024 Total Interstate Switched Access Composite Rate	Line 12/Line 6
16	FY 2022 (October 1, 2021 - September 30, 2022) Total Interstate Local Switching Minutes	Prepopulated
17	TY 2023-2024 Growth Rate relative to FY 2022	Calculation [(Line 6/Line 16) <sup>12/21</sup> -1]*100

**Intrastate Data Needed at the Study Area Level to Calculate Expected Revenue and Eligible Recovery**

**(A) Calculate the Intrastate Terminating Revenue Requirement for TY 2023-2024**

1	FY2011 (October 2010 through September 2011) Received Revenue including Correction of Errors and Halo uncollectibles	Prepopulated
2	95% of Total TY2022-2023 Revenue Requirement (95% <sup>12</sup> * Lines 1)	Calculated

**(B) Calculate the TY 2023-2024 Transitional Intrastate Access Service Revenue**

Use either (a) or (b):

*(a) The composite rate approach: Company should leave columns K through N of intrastate TRP blank and enter the Projected terminating intrastate local switching minutes below in Line 5, and the FY2022 terminating intrastate local switching minutes below in Line 7.*

3	Current TY2022-2023 Intrastate Terminating Composite Rate	Prepopulated
4	Proposed TY2023-2024 Intrastate Terminating Composite Rate	Calculated
5	Projected TY2023-2024 Intrastate Terminating Local Switching Minutes	Input
6	Projected Total TY2023-2024 Intrastate Terminating Switched Access Service Revenue	Line 4*Line 5
7	FY 2022 (October 1, 2021 through September 30, 2022) Intrastate terminating Local Switching Minutes	Input
8	TY2023-2024 Terminating Intrastate Local Switching Minutes Growth Rate	Calculated $[(\text{Line 5}/\text{Line 7})^{12/21} - 1] * 100$

*(b) The rate element approach: Enter the FY 2022 demand at the rate element level in Column K and Projected demand at the rate element level in Column L of the TRP. Growth rates in Column M will be calculated.*

9	Projected Total TY2023-2024 Intrastate Terminating Switched Access Service Revenue	Sum of Col N
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**(C) Calculate the Total TY 2023-2024 Projected Transitional Intrastate Access Service Revenue**

10	TY 2023-2024 Net Settlement from the State Pool	Input
11	TY 2023-2024 State Terminating Access Support Rebalancing Fund Revenue	Input
12	Total TY2023-2024 Projected Intrastate Terminating Switched Access Service Revenue	sum (Lines 6(or 9), 10,11)

**(E) Calculate the TY 2023-2024 Intrastate Eligible Recovery**

13A	Adjustments to FY2011 Received Revenue due to Halo Uncollectibles	Input
13B	Correction of Errors Resulting in Downward Adjustments in FY2011 Received Revenue	Input
13C	Adjustments to FY2011 Received Revenue to Avoid Double Recovery	Input
13D	Correction of Errors Resulting in Upward Adjustments in FY2011 Received Revenue	Input
13	Total TY2023-2024 Intrastate Eligible Recovery	Line 2-Line 12+(13C)*(0.95) <sup>12</sup>
13E	True-Up Adjustment for 2020-2021 and 2021-2022 to avoid Double Recovery	$((13C*0.95^9)/2)+13C*0.95^{10}$
13F	Adjusted TY2023-2024 Intrastate Eligible Recovery	Line13+Line13E

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Intrastate (TRP) Data Needed at the Rate Element Level for Rate Verification and Forecasted Revenue Calculation

D	E	F	G	H	I	J	K	L	M	N
Columns Used for Rate Element Approach										
Intrastate and Interstate Switched Access Rate Elements for Transitional Intrastate Access Service Categories	Unit of Demand (e.g., MOU or miles)	7/1/2023 Interstate Rate	TY 2022-2023 Current Intrastate Rate	7/1/2023 Proposed Intrastate Rate	FY 2011 Intrastate Units Terminating for Non-Dedicated and Total for Dedicated Elements	Intrastate Price-Out with 7/1/2023 Proposed Intrastate Rate and FY2011 Demand	FY 2022 Intrastate Units Terminating for Non-Dedicated and Total for Dedicated Elements	TY 2023-2024 Forecasted Intrastate Units	Intrastate Units Growth Rates %: $[(L/K)^{(12/21)} - 1] * 100$	TY 2023-2024 Forecasted Intrastate Revenue
Input	Input	Prepopulated	Prepopulated	Input	Prepopulated	H*L	Input	Input	Calculated	H*L
<b>** Terminating End Office Access Service**</b>										
Terminating End Office, Premium, per access minute	Mou									
Terminating End Office, Non-Premium, per access minute	Mou									
<b>**Terminating Tandem Switched Transport Service**</b>										
Terminating Tandem Switched Transport Facility	Minute per Mile									
Terminating Tandem Switched Termination	Minute per Termination									
Terminating Tandem Switching	Minute per Tandem									
<b>** Originating and Terminating Dedicated Transport Access Service**</b>										
Entrance Facility, Per Termination	Circuit									
- Voice Grade Two Wire	Circuit									
- Voice Grade Four Wire	Circuit									
- High Capacity DS1	Circuit									
- High Capacity DS3	Circuit									
- Synchronous Optical Channel OC3	Circuit									
- Synchronous Optical Channel OC12	Circuit									
- ESALT 2 Mbps	Circuit									
- ESALT 10 Mbps	Circuit									
- ESALT 50 Mbps	Circuit									
Direct Trunked Transport Facility, Per Mile	Circuit Miles									
- Voice Grade	Circuit Miles									
- High Capacity DS1	Circuit Miles									
- High Capacity DS3	Circuit Miles									
- Synchronous Optical Channel OC3	Circuit Miles									
- Synchronous Optical Channel OC12	Circuit Miles									
- ESALT 2 Mbps DTF-E1	Circuit Miles									
- ESALT 2 Mbps DTF-E2	Circuit Miles									
- ESALT 2 Mbps DTF-E3	Circuit Miles									
- ESALT 2 Mbps DTF-E4	Circuit Miles									
- ESALT 10 Mbps DTF-E1	Circuit Miles									
- ESALT 10 Mbps DTF-E2	Circuit Miles									
- ESALT 10 Mbps DTF-E3	Circuit Miles									
- ESALT 10 Mbps DTF-E4	Circuit Miles									
- ESALT 50 Mbps DTF-E1	Circuit Miles									
- ESALT 50 Mbps DTF-E2	Circuit Miles									
- ESALT 50 Mbps DTF-E3	Circuit Miles									
- ESALT 50 Mbps DTF-E4	Circuit Miles									
Direct Trunked Transport Termination, Per Termination	Circuit terms									
- Voice Grade	Circuit terms									
- High Capacity DS1	Circuit terms									
- High Capacity DS3	Circuit terms									
- Synchronous Optical Channel OC3	Circuit terms									
- Synchronous Optical Channel OC12	Circuit terms									
- ESALT 2 Mbps	Circuit terms									
- ESALT 10 Mbps	Circuit terms									
- ESALT 50 Mbps	Circuit terms									

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Multiplexing, Per Arrangement	Circuits									
- DS3 to DS1	Circuits									
- DS1 to Voice	Circuits									
Customer Node, Per Node	Node									
- OC3 155.52 Mbps	Node									
- OC12 622.08 Mbps	Node									
Customer Premises Port, Per Port	Port									
- OC3 155.52 Mbps	Port									
- STS-1 51.84 Mbps	Port									
- DS3 44.736 Mbps	Port									
- DS1 1.544 Mbps	Port									
Add/Drop Multiplexing Central Office Port, Per Port	Port									
- OC3 155.52 Mbps	Port									
- DS3 44.736 Mbps	Port									
- DS1 1.544 Mbps	Port									
Network Blocking, Per Blocked Call, Applied to FG D only	Call									
Common Channel Signaling Network Connection										
Signaling Mileage Facility, Per Mile	Minute per Mile									
Signaling Mileage Termination, Per Termination	Termination									
Signaling Entrance Facility, Per Facility	Termination									
STP Port, Per Port	Port									
ESALT Real Time CoS/QoS, Per ESALT DTF-E1 Facility	Facility									
- ESALT 2 Mbps	Facility									
- ESALT 10 Mbps	Facility									
- ESALT 50 Mbps	Facility									
ESALT Entrance Facility Protection, Per ESALT Entrance Facility	Circuit									
- ESALT 2 Mbps	Circuit									
- ESALT 10 Mbps	Circuit									
- ESALT 50 Mbps	Circuit									
<b>**Nonrecurring Charges**</b>										
Local Transport - Installation, per Entrance Facility										
- Voice Grade Two Wire	Facility									
- Voice Grade Four Wire	Facility									
- High Capacity DS1	Facility									
- High Capacity DS3	Facility									
- Synchronous Optical Channel OC3	Facility									
- Synchronous Optical Channel OC12	Facility									
- ESALT 2 Mbps	Facility									
- ESALT 10 Mbps	Facility									
- ESALT 50 Mbps	Facility									
Interim NXX Translation Per Order, per Lata or Market Area	Order									
FGC and FGD Conversion of Multifrequency Address Signaling to SS7 Signaling or SS7 Signaling to Multifrequency Address Signaling, per 24 trunks converted or fraction thereof on a per order basis	Order									
Trunk Activation, per 24 trunks activated or fraction thereof on a per order basis	Order									
ESALT Direct Trunked Termination, per ESALT Direct Trunked Termination installed	Order									
Flexible Automatic Number Identification (Flex ANI), per End Office, per	End Office		NONE							
ESALT Entrance Facility Protection, per ESALT Entrance Facility	Facility									

**Reciprocal Compensation Data Needed to Calculate Forecasted Revenue and Eligible Recovery**

CMRS Traffic

1	8	9	19	19A	19B
FY2011 (October 2010 through September 2011) Net CMRS Reciprocal Compensation Received Revenue including Correction of Errors (Line 19A and 19B)	TY 2023-2024 Net CMRS Forecasted Reciprocal Compensation Revenue which is \$0	TY 2023-2024 Net CMRS Reciprocal Compensation Revenue Requirement	CMRS Eligible Recovery	Downward Adjustments to FY2011 Net CMRS Reciprocal Compensation Received Revenue	Upward Adjustments to FY2011 Net CMRS Reciprocal Compensation Received Revenue
Prepopulated	0	Line 1*0.95 <sup>12</sup>	Line 9 - Line 8	Input	Input

Non-CMRS Traffic

10	17	18	20	20A	20B
FY2011 (October 2010 through September 2011) Net Non-CMRS Reciprocal Compensation Received Revenue including Correction of Errors (Line 20A and 20B)	TY 2023-2024 Net Non-CMRS Forecasted Reciprocal Compensation Revenue which is \$0	TY 2023-2024 Net Non-CMRS Reciprocal Compensation Revenue Requirement	Non-CMRS Eligible Recovery	Downward Adjustments to FY2011 Net Non-CMRS Reciprocal Compensation Received Revenue	Upward Adjustments to FY2011 Net non-CMRS Reciprocal Compensation Received Revenue
Prepopulated	0	Line 5*0.95 <sup>12</sup>	Line 18 - Line 17	Input	Input

Reciprocal Compensation Eligible Recovery

21
Net Reciprocal Compensation Eligible Recovery
Line 19 + Line 20

**CAF ICC Data Collection Instructions**

**Interstate Data Collection**

Line	Data Elements	Instructions
1	TY 2011-2012 Frozen Interstate Switched Access Revenue Requirement excluding Pool Administration Expenses	NECA will populate interstate switched access revenue requirement for base period 2011-2012 excluding pool administration expenses. The cost difference based on 2019 Cost Study is applied to TY 2011-2012 revenue requirement if BDS company elected to unfreeze its frozen category relationships (FCC 18-182 ¶¶ 38-39 Separations Order released on December 17, 2018).
2	TY 2023-2024 Interstate Switched Access Revenue Requirement + Pool Administration Expenses	NECA will populate interstate switched access revenue requirement for TS pool members for test period July 2023-June 2024 based on 95% <sup>12*</sup> the frozen interstate switched access revenue requirement for July 2011-June 2012 plus pool administration expenses.
5	TY 2022-2023 Current Total Interstate Switched Access Composite Rate including rate impact due to changes in pool participations	NECA will prepopulate the total interstate switched access composite rate which is the total of 5 months (August 2022-December 2022) revenue divided by total local switching minutes from NECA settlement system. The current total composite rate includes rate impact due to changes in TS pool effective 7/1/2023.
6	TY 2023-2024 Total Forecasted Interstate Local Switching Minutes	NECA will populate the forecasted interstate local switching minutes for test period July 2023-June 2024 for TS pool members. Please review your interstate MOU forecast, taking into account recent market conditions. For this filing, there is no FCC imposed restriction that limits the demand loss to 15%. However, companies should be prepared to support and explain large forecasted demand losses in the study. Companies can override the forecast with their own forecasted minutes.
7	Projected TY 2023-2024 Total Interstate Switched Access Revenue at the Current Rate	Line 5*Line 6
11	Adjustments to the Total Projected TY 2023-2024 Interstate Switched Access Revenue	Sum Line 4 and Line 11 on the Toll Free screen
12	Projected TY 2023-2024 Total Interstate Switched Access Revenue at the Proposed Rate	Line 7-Line 11
13	TY 2023-2024 Forecasted Allocated Interstate Switched Access Revenue	NECA will allocate the interstate switched access revenue in Line 12 based on each company's share of the TY2011-2012 frozen revenue requirement, per FCC's August 31, 2012 Order.

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14A	Adjustments to the 2011-2012 Interstate Switched Access Revenue Requirement	Please enter the adjustments to the 2011-2012 interstate switched access revenue requirement to avoid double recovery as a result of re-categorizing certain equipment or other reasons as described in the paper on "Cost Changes Requiring Action to Avoid Double Recovery". These are reductions and should be entered as negative numbers. Line 14A adjustments to the 2011-2012 interstate switched access revenue requirement due to double recovery are amounts companies have not reported in last year's Data Collection and are based on the 2021 Cost Study.
14B	Adjustments to the 2011-2012 Interstate Switched Access Revenue Requirement	Companies must identify the reasons for double recovery by selecting the check box. Please provide the explanations in the comment box if the reason is "other". Please be prepared to provide supporting documentation and detailed calculations in case the FCC requires it.
14C	Adjustments to the 2011-2012 Interstate Switched Access Revenue Requirement	Please enter the changes in interstate special access, interstate common line, or "Other" calculated per the Double Recovery paper. Companies are not allowed to change the frozen revenue requirement if waiver petitions are still pending.
14	Projected TY 2021-2022 Interstate Eligible Recovery	$\text{Line 2} - \text{Line 13} + (\text{Line 14A}) * (0.95)^{12}$
14D	True-Up Adjustment for 2020-2021 and 2021-2022 to avoid Double Recovery	Prepopulated the amount of $((14A * 0.95^9) / 2 + 14A * 0.95^{10})$ for the DR adjustment based on 2021 Cost Study. These are the true up adjustments for test period 2020-2021 and 2021-2022.
14E	Adjusted TY 2023-2024 Interstate Eligible Recovery	$\text{Line 14} + \text{Line 14D}$
15	Proposed TY 2023-2024 Total Interstate Switched Access Composite Rate	$\text{Line 12} / \text{Line 6}$ (Projected total interstate switched access revenue divided by projected total local switching minutes).
16	FY 2022 (October 1, 2021 - September 30, 2022) Total Interstate Local Switching Minutes	NECA will prepopulate the FY 2022 interstate local switching minutes based on the data in the Settlement System.
17	TY 2023-2024 Growth Rate relative to FY 2022	The growth rate is calculated using the formula: $[(\text{Line 6} / \text{Line 16})^{(12/21)} - 1] * 100$

**Intrastate Data Collection**

**Intrastate Tariff Review Plan (TRP)**

**Please note the following:**

(A)	A Rate-of-Return Carrier shall establish separate originating and terminating interstate and intrastate rate elements for all components within interstate End Office Access Service. For fixed charges, the Rate-of-Return Carrier shall divide the amount based on relative originating and terminating end office switching minutes. If sufficient originating and terminating end office switching minute data is not available, the carrier shall divide such charges equally between originating and terminating elements. A Rate-of-Return Carrier that has intrastate rates lower than its functionally equivalent interstate rates is not allowed to make any intrastate tariff filing or intrastate tariff revisions raising such rates. (FCC 91.509 (d)(4))
(B)	If you choose to use the composite rate approach of forecasting demand (Option A), please leave Columns K and L blank, enter the forecasted Terminating local switching minutes on the intrastate screen of the data request (Line 5). If you choose to use the approach of forecasting demand at the rate element level (Option B), please complete columns K and L. The forecasted demand for TY2023-2024 in Column L will be used to derive the TY2023-2024 intrastate terminating switched access forecasted revenue (Column N).

Line	Data Elements	Instructions
1	FY2011 (October 2010 through September 2011) Total Received Revenue includes Intrastate Terminating Switched Access Revenue, Net Settlement from the State Pool and State Terminating Access Support Rebalancing Fund. FY2011 Total Received Revenue also includes correction of errors that companies enter in Line 13A, 13B and 13D	NECA will prepopulate the fiscal year (October 1, 2010 through September 30, 2011) total actual received revenue which is used as revenue requirement for the base period. For companies in a state pool, Line 1 includes the amount of "contribution to" or "receipts from" the state pool associated with terminating switched access traffic for the fiscal year 2011. Line 1 also includes intrastate terminating access revenue companies receive from a state fund that is designed to offset rates and revenues associated with intrastate access billed to interexchange carriers for fiscal year 2011. In addition Line 1 is adjusted for correction of errors in FY2011 received revenue that companies enter in Line 13A, 13B and 13D.
2	TY2023-2024 Intrastate Terminating Revenue Requirement	The TY2023-2024 intrastate terminating revenue requirement is 95% <sup>12</sup> * the total received revenue for the base period of 2011-2012 (Line 1).
3	Current TY2022-2023 Intrastate Terminating Composite Rate	NECA will pre-populate the current intrastate terminating composite rate based on the 2022-2023 Data Collection. The current composite rate is the sum of July 2022 intrastate terminating rates multiply by the FY2011 demand at the rate element level and divided by the FY2011 local switching minutes.

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4	Proposed TY2023-2024 Intrastate Terminating Composite Rate	The proposed intrastate terminating composite rate for the test period 2023-2024 is the sum of the July 2023 intrastate terminating rates multiply by the FY2011 demand at the rate element level, divided by the FY2011 local switching minutes (sum of column J on the intrastate TRP divided by the terminating end office minutes in column I). The composite rate should include the rate change in end office rate following the FCC Order; the end office rate for test period 2023-2024 is bill and keep.
5	Projected TY 2023-2024 Intrastate Terminating Local Switching Minutes	If you use the composite rate approach to project the expected revenue, enter projected intrastate terminating local switching minutes for the test period July 2023-June 2024. Please adjust the minutes downward to account for uncollected minutes. You can leave this line blank, if you chose to enter forecasted demand at the rate element level on the TRP (column L). For this filing, there is no FCC imposed restriction that limits the demand loss to 15%. However, companies should be prepared to support and explain large forecasted demand losses in the study.
6	Projected TY 2023-2024 Intrastate Access Service Revenue (Using the composite rate approach)	Line 4 * Line 5 if you use the composite rate approach.
7	FY 2022 Terminating Intrastate Local Switching Minutes	Please enter the terminating intrastate local switching minutes from October 1, 2021 through September 30, 2022 in Line 7 or column K on the intrastate TRP if using the rate element approach. Please ensure the intrastate terminating VoIP minutes are included if there are any, so the growth rate is calculated correctly.
8	TY2023-2024 Terminating Intrastate Local Switching Minutes Growth Rate	The growth rate for TY2023-2024 is calculated using the formula: $[(\text{Line 5}/\text{Line 7})^{(12/21)-1}] * 100$
9	Projected TY 2023-2024 Intrastate Access Service Revenue (Using the rate element approach)	If you entered the forecasted demand at the rate element level (column L), this is the sum of column N on the TRP.
10	TY 2023-2024 Net Settlement from the State Pool	For companies in a state pool, please enter the projected amount of "contribution to" or "receipts from" the state pool associated with terminating switched access traffic for test period 2023-2024. Contribution to the pool should be entered as a negative number.
11	TY 2023-2024 State Terminating Access Support Rebalancing Fund Revenue to be Received	Please include intrastate terminating access revenues companies will receive from a state fund, that is designed to offset rates and revenues associated with intrastate access billed to interexchange carriers for TY 2023-2024.
12	Total TY2023-2024 Projected Intrastate Terminating Switched Access Service Revenue	Sum of Lines 6 (or 9), 10 and 11.

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13A	Adjustments to FY2011 Received Revenue due to Halo Uncollectibles	Companies are requested to input the adjustments to the FY2011 intrastate terminating received revenue. The adjustments include those waivers filed with the FCC but not yet granted. The waivers include Halo revenues previously classified as uncollectibles. The adjustments must equal the amounts in the waivers. NECA will collect and store the adjustments, but will only apply them in the event the waiver is granted. The adjustments are used to increase Intrastate FY2011 received revenue (Line 1) when the FCC grants the waiver. Please do not enter the adjustments if NECA has already filed it with the FCC.
13B	Correction of Errors Resulting in Downward Adjustments in FY2011 Received Revenue	Companies do not need to file waivers if they need to decrease their intrastate baseline received revenue to correct errors made earlier. The adjustments are used to decrease FY2011 total Intrastate received revenue (Line 1). Please upload supporting documentation in pdf format onto the website, NECA will send the adjustments to the FCC for its review before being incorporated in the annual tariff filing.
13C	Adjustments to FY2011 Received Revenue to Avoid Double Recovery	Companies do not need to file waivers if they need to decrease their intrastate baseline received revenue to avoid double-recovery. Reductions should be entered as negative numbers. Please be prepared to provide the supporting documentation and detailed calculations in case the FCC requests it. The adjustments to FY2011 received revenue due to double recovery are used to adjust Intrastate Eligible Recovery (Line 13).
13D	Correction of Errors Resulting in Upward Adjustments in FY2011 Received Revenue	Companies do not need to file waivers if they need to increase their intrastate baseline received revenue to correct errors made earlier. The adjustments are used to increase FY2011 total Intrastate received revenue (Line 1). Please upload supporting documentation in pdf format onto the website, NECA will send the adjustments to the FCC for its review before being incorporated in the annual tariff filing. The revenue must have been received by March 31, 2012 per FCC rules.
13	Total TY 2023-2024 Intrastate Eligible Recovery	Line 2-Line 12+(13C)*(0.95) <sup>12</sup>
13E	True-Up Adjustment for Intrastate Terminating Switched Access in 2020-2021 and 2021-2022 for Double Recovery	$((13C*0.95^9)/2+13C*0.95^{10})$
13F	Adjusted TY2023-2024 Intrastate Eligible Recovery	Line13+Line13E

**Exchange Level Data Collection**

The Exchange Level Data Request has not changed. The exchange/zone names and local charges will be prepopulated based on the previous data collection. Please update the local charges if the rates as of January 1, 2023 are HIGHER than the prepopulated rates as of January 1, 2012. Please enter the projected residential access lines and Lifelines at the exchange level for the test period 2023-2024. NECA will pre-populate the projected Single Line Business and Multi-Line Business Lines at the study area level for the test period 2023-2024. Company can override with its own forecasts.

**Reciprocal Compensation Data Collection**

**CMRS**

1	FY2011 (October 2010 through September 2011) Net CMRS Reciprocal Compensation Received Revenue including correction of errors entered in Line 19A and 19B.	NECA will prepopulate the October 1, 2010 through September 30, 2011 Net CMRS Reciprocal Compensation Received Revenue from the previous study. However the FY2011 Net CMRS RC received revenue includes the adjustments to reflect correction of errors (Line 19A and 19B).
8	TY 2023-2024 Net Expected CMRS Reciprocal Compensation Revenue	The net expected revenue for CMRS reciprocal compensation is \$0.
9	TY 2023-2024 Net CMRS Reciprocal Compensation Revenue Requirement	NECA will prepopulate the TY 2023-2024 Net CMRS Reciprocal Compensation Revenue Requirement. The test period 2023-2024 revenue requirement is 95% <sup>12</sup> * the frozen net CMRS revenue (reciprocal compensation revenue minus expense) for the period of 2011-2012.
19	CMRS Eligible Recovery	Line 9-Line 8
19A-19B	Adjustments to FY2011 Net CMRS Reciprocal Compensation Received Revenue	Please enter the correction of errors adjustments to FY2011 Net CMRS Reciprocal Compensation Received Revenue. Companies do not need to file waivers if they need to modify their FY2011 revenue to correct errors made earlier. Reductions should be entered as negative numbers. Companies must upload the supporting documentation to the website in pdf format. NECA will send the adjustments to the FCC for its review before being incorporated in the annual tariff filing.

**NonCMRS**

10	FY2011 (October 2010 through September 2011) Net Non-CMRS Reciprocal Compensation Received Revenue including correction of errors entered in Line 20A and 20B.	NECA will prepopulate the October 1, 2010 through September 30, 2011 Net NonCMRS Reciprocal Compensation Received Revenue from the previous study. The FY2011 net non-CMRS RC received revenue includes adjustments to reflect correction of errors in Line 20A and 20B.
17	TY 2023-2024 Net Expected Non-CMRS Reciprocal Compensation Revenue	The net expected non-CMRS reciprocal compensation revenue is \$0 due to bill and keep.

18	TY 2023-2024 Net Non-CMRS Reciprocal Compensation Revenue Requirement	NECA will prepopulate the TY 2023-2024 Net Non-CMRS Reciprocal Compensation Revenue Requirement. The test period 2023-2024 revenue requirement is 95% <sup>12</sup> *the frozen net Non-CMRS revenue (reciprocal compensation revenue minus expense) for the period of 2011-2012.
20	NonCMRS Eligible Recovery	Line 18-Line 17
20A-20B	Adjustments to FY2011 Net NonCMRS Reciprocal Compensation Received Revenue	Please enter the correction of errors adjustments to FY2011 Net NonCMRS Reciprocal Compensation Received Revenue. Companies do not need to file waivers if they need to modify their FY2011 revenue to correct errors made earlier. Reductions should be entered as negative numbers. Companies must upload the supporting documentation to the website in pdf format. NECA will send the adjustments to the FCC for its review before being incorporated in the annual tariff filing.
<b>Reciprocal Compensation Eligible Recovery</b>		
21	Total Reciprocal Compensation Eligible Recovery	Line 19+Line 20

**Exogenous Costs**

Please enter the interstate portion of the exogenous costs (TRS, Regulatory, and NANPA increments) for the test year 2023-2024. These amounts represent the portion of fee increases (relative to fiscal year 2011) that would normally be recovered through increases in interstate switched access rates that are now capped pursuant to the *USF ICC Transformation Order*. Following guidance from the FCC, model-based carriers charging less than the maximum SLC allowed by section 69.104 may not recover any portion of the foregone revenues through Eligible Recovery and thus from CAF ICC support and ARCs and should set their incremental exogenous costs associated with common line amount to \$0. This guidance also applies to model-based carriers charging less than the maximum rate allowed by section 69.115 and 69.139 for special access surcharges, ISDN BRI, PRI and DS1 line port charges. Common line does not include CBOL.

**Originating Toll Free End Office and Tandem, and Toll Free Database Query**

**Originating Toll Free End Office Rates**

3	Current Interstate Originating Toll Free End Office Rate	NECA will prepopulate the June 30, 2023 interstate originating toll free end office rates.
4	Current Intrastate Originating Toll Free End Office Rate	NECA will prepopulate the June 30, 2023 intrastate originating toll free end office rates based on the input in 2022 CAF ICC Data Collection following the 8YY Access Charge Reform Order.
5	Proposed Interstate Originating Toll Free End Office Rate (Bill and Keep)	NECA will prepopulate the proposed interstate originating toll free end office rates which is bill and keep following the 8YY Access Charge Reform Order.
6	Proposed Intrastate Originating Toll Free End Office Rate (Bill and Keep)	NECA will prepopulate the proposed intrastate originating toll free end office rates which is bill and keep following the 8YY Access Charge Reform Order.

**Toll Free Data**

1	Current Interstate Originating Toll Free End Office (Local Switching + Information Surcharge/100) Rates per Minute	NECA will prepopulate the rates based on rate band placement
2	Proposed TY2023-2024 Interstate Originating Toll Free End Office Rates	NECA will prepopulate the \$0 (bill and keep) rates
3	Proposed TY2023-2024 Interstate Originating Toll Free End Office Demand (# of Minutes)	Company is requested to enter the proposed TY2023-2024 interstate originating toll free end office demand.
4	Adjustments in Originating Toll Free End Office Revenue	(Line1-Line2)*Line3
5	June 2023 Interstate Toll Free Database Query Rates - Basic	The FCC 20-143 released on October 9, 2020 §51.909 Transition of Rate-of-Return carrier access charges (6) Reduce its interstate and intrastate rates for Toll Free Database Query Charges to no more than \$0.002224 per query.
6	June 2023 Interstate Toll Free Database Query Rates - Vertical	The FCC 20-143 released on October 9, 2020 §51.909 Transition of Rate-of-Return carrier access charges (6) Reduce its interstate and intrastate rates for Toll Free Database Query Charges to no more than \$0.002224 per query.
7	Proposed TY2023-2024 Toll Free Database Query Rates -Basic	The FCC 20-143 released on October 9, 2020 §51.909 Transition of Rate-of-Return carrier access charges (6) Reduce its interstate and intrastate rates for Toll Free Database Query Charges to no more than \$0.0002 per query. If a carrier's rate cap is below \$0.002224, then it will use its capped rate to arrive at its rate effective July 1, 2023.
8	Proposed TY2023-2024 Toll Free Database Query Rates -Vertical	The FCC 20-143 released on October 9, 2020 §51.909 Transition of rate-of-return carrier access charges (6) Reduce its interstate and intrastate rates for Toll Free Database Query Charges to no more than \$0.0002 per query. If a carrier's rate cap is below \$0.002224, then it will use its capped rate to arrive at its rate effective July 1, 2023.
9	Proposed TY2023-2024 Interstate Toll Free Database Query Demand - Basic	Input
10	Proposed TY2023-2024 Interstate Toll Free Database Query Demand - Vertical	Input
11	Adjustments in Toll Free Database Query Revenue	(Line5-Line7)*Line9+(Line6-Line8)*Line10

SLB and MLB Access Lines Data Needed to Calculate ARC Revenue  
at the Study Area Level

Study Area Code	TY 2023-2024 Single Line Business Lines	TY 2023-2024 Multi-Line Business Lines
	Prepopulated	Prepopulated

NECA needs accurate MLB SLC rate information to calculate the MLB ARC rate following the FCC Order that the sum of MLB SLC and ARC can not exceed \$12.20. The data request is to prepare for the TP 2023-2024 Annual filing. If MLB SLC tariff election or rates are changed in any month after July 1, 2023, please inform your Member Service Manager and we'll file a correction accordingly.

Your company's Multi-Line Business Lines Subscriber Line Charge is (is not) in the NECA Common Line Tariff.

MLB Subscriber Line Charge will be (\$9.20, \$6.50, \$0)

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Local Charges Needed to Calculate Residential ARC Rates at the Exchange and Zone (Plan) Level

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Study Area Code	Exchange Name/Zone Name	Residential Access Lines	Lifeline Lines	Residential Lines excluding Lifelines (Line3 - Line4)	Current Residential Flat Rate	Additional Basic Local Rate Charges if applicable	Mandatory Expanded Calling	Fed Subscriber Line Charge	State Subscriber Line Charge	State USF Surcharge	County E-911 Surcharge	State E-911 (e.g. fire & police)	TRS & other hearing impaired Surcharges	Total Residential Charges (sum Lines 6 thru14)	Year of Maximum Total Local Rates	Maximum Total Local Charges
Study Area 1																
Study Area 1																
Study Area 1																
Study Area 1	etc.															
Study Area 2																
Study Area 2																
Study Area 2	etc.															
Study Area 3																
Study Area 3																
Study Area 3																
Study Area 3	etc.															

etc.

**Exchange Area/Rate Zone Data Needed for Residential Benchmarks**

Following the FCC guideline, the gap above/below rate ceiling of \$30.00 will determine the Residential ARC amount. For companies with Eligible Recovery, the FCC allowed an annual residential and single-line business ARC rate increase of \$0.50 and an annual multiline business ARC rate increase of \$1.00, with a limit of \$12.20 applied to Multi-Line Business Lines ARC plus SLC. Beginning July 1, 2017, a rate-of-return carrier may assess a maximum of \$3.00 per month for each residential excluding Lifeline and SLB line.

Please update the local tariff charges on January 1, 2023. We use the maximum total local charges between January 1, 2012 and January 1, 2023 to compare to the rate ceiling of \$30. Please enter forecasted Residential lines and Lifelines for test period 2023-2024.

Instructions		
Line	Data Elements	Descriptions
1	Study Area Code	The study area code you have entered
2	Exchange Name/Zone Name	For each exchange and zone combination, please enter the exchange name, followed by "/", and then the zone name, as they appear in your local exchange tariff.
3	Residential Lines	Please enter forecasted average annual residential lines including Lifelines for the test period July 2023-June 2024. Residential lines include all lines assessed the residential end user common line charge. Please make an adjustment to residential lines to account for only half of the ARC applying to vacation lines. For instance, if there are 40 lines that have the vacation rate for three months a year (3/12 of the year), reduce the line count by 5 ( $40 * 1/2 * 3/12$ ).
4	Lifelines	Annual average Lifelines for the test period July 2023-June 2024. For voice and voice-data (without qualifying broadband) Lifeline participants, please make an adjustment to lifelines to reflect that lifelines are exempt from the assessment of ARC rates for 5 months only (July through November 2023). For instance, if the annual average lifelines are 40 for the test period, report $(40 * 5/12) = 17$ lifelines.
5	Residential Lines excluding Lifelines	Line 3- Line 4

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6	Residential Flat Rate	1FR or R1 Per Tariff or Price List. If Flat Rate service not available, enter Average Local Measured Service billed amount per customer.
7	Additional Local Rate Charges if applicable	Additional Basic Local Rate charges such as Touch Tone & Zone/Mileage Charges applicable to Residential Local Service only if they are mandatory. Please calculate and enter the charges per line.
8	Mandatory Expanded Calling	Rate per Tariff or Price List.
9	Federal Subscriber Line Charge	Per Tariff
10	State Subscriber Line Charge	Per Tariff or Price List.
11	State USF Surcharge	Per Tariff or Price List.
12	County E-911 Surcharge	Per County Contract; (if multiple counties in an exchange, use highest rate)
13	State E-911 (e.g. Fire & Police)	Per State Contract or other state entity
14	TRS & Other Hearing Impaired Surcharges	Per Tariff or Price List
15	Total Residential Charges	Sum Lines 6 through 14.
16	Year of Maximum Total Local Rates	The year in which the total local charges are the highest between 2012 and 2023.
17	Maximum Total Local Charges	Maximum total local charges between 2012 and 2023.

### Overview of CAF ICC True-Ups

1. Pre-populated the forecasted 2021-2022 interstate switched access revenue, intrastate terminating switched access revenue, net recip compensation revenue, and ARC revenues. The forecasted revenues are from the 2021-2022 Annual Access Tariff and subsequent amendment filings.
2. Pre-populated the reported realized interstate switched access received revenue, intrastate terminating switched access and net recip comp received revenue, and ARC revenues. The realized revenues are from the settlement system. The cutoff date for realized revenues is 12/31/2022.
3. The FCC Order §51.917 (d)(1)(v) defines the true-up revenues as equal to (projected demand minus actual realized demand for that service) times the default transition rate for the service specified. The FCC permitted NECA to use the total switched access revenue as a surrogate.
4. The reported interstate switched access allocated revenues are calculated based on 2021-2022 TS Pool composition to be consistent with the forecasts in the Annual Access Tariff Filing.
5. Company needs to enter the intrastate terminating received revenue for TP 2021-2022. The net reciprocal compensation received revenue will be subtracted from the total of these two which is reported in the settlement system. The intrastate terminating received revenue includes intrastate terminating switched access revenue, net settlement from the State Pool, and State Terminating Access Support Rebalancing Fund revenue.
6. The forecasted ARC revenues on projected voice/voice-data lines at the FCC prescribed ARC rates and the limited imputed ARC revenues on the forecasted broadband-only lines are the 2021-2022 Annual and subsequent amendment filings. Company needs to enter the imputed ARC revenues using the authorized (calculated) ARC rates multiplying the actual broadband-only lines on the website before the true up screen becomes available.
7. Three separate exogenous costs (TRS increment, Regulatory fees, and NANPA increment) are forecasted in the annual filing, but the total is reported in the settlement system. COST companies need to report these costs as these amounts represent the portion of fee increases that would be recovered through increases in interstate switched access rates that are now capped pursuant to the USF/ICC Transformation Order. The difference between forecasted and reported exogenous costs will be included in the 2021-2022 eligible recovery calculation.
8. The net impact on total 2023-2024 eligible recovery is the sum of interstate revenue true-ups, intrastate terminating revenue true-ups, net reciprocal compensation revenue true-ups, ARC revenue true-ups including both on voice/voice-data lines and CBOL and exogenous costs true-ups. The positive 2021-2022 revenue true-ups is a subtraction to the 2023-2024 Eligible Recovery, and the negative 2021-2022 revenue true-ups is an addition to the 2023-2024 Eligible Recovery. The negative 2021-2022 exogenous costs true-ups is a subtraction to the 2023-2024 Eligible Recovery and the positive 2021-2022 exogenous costs true-ups is an addition to the 2023-2024 Eligible Recovery.
9. Projected Eligible Recovery and CAF ICC support are from the 2021-2022 Annual Access Tariff and subsequent amendment filings. The actual Eligible Recovery and CAF ICC support are calculated using revenues in the settlement system and the revenue requirement in the 2021-2022 Annual Access Tariff Filing.
10. The projected adjusted CAF ICC Support are from the 2021-2022 annual filing and subsequent amendment filings. The actual CAF ICC Support is reduced by the ARC revenue imputation on CBOL only if a carrier's maximum assessable ARCs and imputed CBOL ARCs, based on actual lines, falls short of the baseline amount which is the actual ARC revenues in Settlements for test period 2015-2016. (FCC 18-13 Second Order on Reconsideration and Clarification released on February 16, 2018).
11. Company who provides broadband-only lines under Private Carriage or Retail Broadband Internet Access Service (BIAS) offerings do not need to enter broadband-only revenue based on actual lines because the imputed ARC revenues for these lines are not required.

**The reported revenues are blocked for any updates after the April lock.**

Test Period 2021-2022 True-Up

		Forecasted Data	Reported Data	Difference (Reported - Forecasted)
1	TY 2021-2022 Interstate Allocated Switched Access Revenue	Prepopulated	Prepopulated	Calculated
2	TY2021-2022 Intrastate Terminating & Net Reciprocal Compensation Revenue	Prepopulated	Prepopulated	Calculated
3	TY 2021-2022 Intrastate Terminating Switched Access Revenue	Prepopulated	Input	Calculated
4	TY 2021-2022 Net Reciprocal Compensation Revenue	Prepopulated	Calculated	Calculated
5	TY 2021-2022 Residential ARC Revenue	Prepopulated	Prepopulated	Calculated
6	TY 2021-2022 SLB ARC Revenue	Prepopulated	Prepopulated	Calculated
7	TY 2021-2022 MLB ARC Revenue	Prepopulated	Prepopulated	Calculated
8	TY 2021-2022 Total Limited Imputed ARC Revenue	Prepopulated	Calculated	Calculated
9	TY 2021-2022 TRS Increment	Prepopulated		
10	TY 2021-2022 Regulatory Fees Increment	Prepopulated		
11	TY 2021-2022 NANPA Increment	Prepopulated		
12	TY 2021-2022 Total Exogenous Costs	Calculated	Prepopulated	Calculated
13	Net Impact on Total Eligible Recovery			Calculated
14	TY 2021-2022 Eligible Recovery	Prepopulated	Prepopulated	Calculated
15	TY 2021-2022 CAF ICC Support	Prepopulated	Prepopulated	Calculated
16	TY 2021-2022 Adjusted CAF ICC Support	Prepopulated	Calculated	Calculated

Residential, SLB and MLB ARC revenues are the revenues on Voice/Voice-Data lines. Total limited imputed ARC revenues on actual CBOL are calculated following the FCC 18-13 Second Order on Reconsideration and Clarification released on February 16, 2018.

Following guidance from the FCC, model-based carriers charging less than the maximum SLC allowed by section 69.104 may not recover any portion of the foregone revenues through Eligible Recovery and thus from CAF ICC support and ARCs and should set their incremental exogenous costs associated with common line amount to \$0. This guidance also applies to model-based carriers charging less than the maximum rate allowed by section 69.115 and 69.139 for special access surcharges, ISDN BRI, PRI and DS1 line port charges.

**Test Period 2021-2022 ARC Revenues**

	Residence	SLB	MLB	Total
Total ARC Revenues	Calculated (V/VD+DO)	Calculated (V/VD+DO)	Calculated (V/VD+DO)	Sum of Res, SLB and MLB
<b>Voice/Voice-Data ARC revenues (from Settlements)</b>	Prepopulated	Prepopulated	Prepopulated	Sum of Res, SLB and MLB
<b>Data-only ARC revenues</b>	Input	Input	Input	Sum of Res, SLB and MLB

ARC revenues for Voice/Voice-Data lines are the revenues reported in Settlements based on April view.

ARC revenues imputation on Data-only lines should apply the Voice/Voice-Data ARC rates to the actual Data-only lines for the test period 2021-2022.

1. The net impact on total 2023-2024 eligible recovery is the sum of interstate switched access revenue true-ups, intrastate terminating switched access revenue true-ups, net reciprocal compensation revenue true-ups, ARC revenue true-ups and exogenous costs true-ups. The positive 2021-2022 revenue true-ups is a subtraction to the 2023-2024 Eligible Recovery, and the negative 2021-2022 revenue true-ups is an addition to the 2023-2024 Eligible Recovery. The negative 2021-2022 exogenous costs true-ups is a subtraction to the 2023-2024 Eligible Recovery and the positive 2021-2022 exogenous costs true-ups is an addition to the 2023-2024 Eligible Recovery.
2. The net impact on total eligible recovery is used to adjust the test period 2023-2024 eligible recovery before ARC and CAF ICC support are calculated.

Test Period 2023-2024 Pre True-Up View

1	Total Eligible Recovery	Prepopulated
2	Total Eligible Recovery (excluding pool administration expense)	Prepopulated
3	Residential ARC Revenue at FCC Prescribed Rate	Prepopulated
4	SLB ARC Revenue at FCC Prescribed Rate	Prepopulated
5	MLB ARC Revenue at FCC Prescribed Rate	Prepopulated
6	Total ARC Revenue	Prepopulated
7	CAF ICC Support	Prepopulated

Test Period 2021-2022 True-Up

8	Net Impact on Total Eligible Recovery	Line 13 on the True-Up screen
---	---------------------------------------	-------------------------------

Test Period 2023-2024 Filing (Post True-Up) View

9	Total Eligible Recovery	Line 1+Line 8
10	Total Eligible Recovery (excluding pool administration expense)	Line 2+Line 8
11	Residential ARC Revenue at FCC Prescribed Rate	Calculated
12	SLB ARC Revenue at FCC Prescribed Rate	Calculated
13	MLB ARC Revenue at FCC Prescribed Rate	Calculated
14	Total ARC Revenue	Line 11+Line 12+Line 13
15	CAF ICC Support	Line 9-Line 14

The FCC Reform Order released on March 30<sup>th</sup> requires Rate-of-Return carriers to impute ARC revenues for Broadband Only lines, starting in January 2017, in order to avoid unintentional increases in CAF ICC support. *Connect America Fund et. al.*, WC Docket Nos. 10-90 et. al., Report and Order, Order and Order on Reconsideration and Further Notice of Proposed Rulemaking, 31 FCC Rcd 3087 (2016) (*RoR Reform Order*).

The FCC procedure order has that imputed ARC revenues underlying the true-up period will be based on each type of line per study area. *Access Charge Tariff Filings Introducing Broadband-only Loop Service*, WC Docket No. 16-317, Order DA16-1145 (rel. Oct 6, 2016).

The ARCs used for ARC revenue imputation on broadband-only lines are the proposed ARCs for Voice and Voice/Data lines for the test period 2023-2024.

Companies are requested to provide the projected broadband-only lines including Lifelines eligible for CBOL support for residence at the exchange level, and projected broadband-only lines of SLB and MLB at the study area level.

Companies must identify residential broadband-only lines migrated from voice only or voice/data lines and enter projected residential broadband-only lines including Lifelines eligible for CBOL support at the exchange/zone(plan) level. If companies can identify new broadband-only lines at the exchange/zone (plan) level, they should enter the projected new broadband-only lines at the exchange/zone (plan) level. Companies may enter new broadband-only lines at the exchange level only if new lines are not geographically identified by zone (plan). NECA will calculate the weighted average residential ARC at the exchange level and apply to the new projected residential broadband-only lines for ARC revenue imputation. Monthly weighted average residential ARC at the exchange level = Sum residential ARC revenues across all zones (plans) within the exchange / total residential lines for the exchange /12 based on the Voice-Data or Voice lines. Company can elect to enter the total projected residential broadband-only lines including Lifelines eligible for CBOL support and not separate migrated or new broadband-only lines.

There are two options for companies to enter the projected SLB and MLB broadband-only lines. Option A is for companies to enter the SLB and MLB projected broadband-only lines separately. If companies are not able to differentiate broadband-only lines between SLB and MLB lines, please enter the total projected business broadband-only line using Option B. NECA will calculate the weighted average of SLB and MLB ARCs and apply to the projected broadband-only lines for ARC revenue imputation. Monthly Weighted Average of SLB and MLB ARC=(SLB ARC Revenue + MLB ARC Revenue)/(SLB Lines + MLB Lines)/12 based on Voice-Data or Voice lines.

The CAF ICC Support will be reduced by the imputed ARC revenue on broadband-only lines. Company who provides broadband-only lines under Private Carriage or Retail Broadband Internet Access Service (BIAS) offerings do not need to enter projected broadband-only lines because the imputed ARC revenues for these lines are not required.

**Adjusted CAF ICC Support Reduced by Imputed ARC Revenue for Broadband-only Lines**

Company is requested to enter projected residential broadband-only lines including Lifelines and imputed ARC revenues for the test period of 2023-2024 are calculated. Company can elect to enter the total projected residential broadband-only lines in Column C only and not separate migrated or new broadband-only lines.

Option (A): Company can identify the residential broadband-only lines at the exchange/zone (plan) level will enter the projected broadband-only lines at the exchange/zone level.

Exchange/Zone (Plan) Name	Projected Residential Broadband-only Lines including Lifelines eligible for CBOL support (Migration from Voice or Voice/Data Lines)	Projected Residential Broadband-only Lines including Lifelines eligible for CBOL support (New Lines)	Total Projected Residential Broadband-only Lines including Lifelines eligible for CBOL support	Residential ARC	[A*D*12+B*D*12] = C*D*12 Imputed Residential ARC Revenue
	(A)	(B)	( C ) =( A) + (B)	(D)	(F)
Exchange A/Zone X	input	input	calculated	pre-populated	calculated
Exchange A/Zone Y	input	input	calculated	pre-populated	calculated
Exchange A/Zone Z	input	input	calculated	pre-populated	calculated
Exchange B	input	input	calculated	pre-populated	calculated
Study Area Summary	calculated	calculated	calculated		calculated

Option (B): Company can identify the residential broadband-only lines migrated from voice or voice/data lines at the exchange/zone level, but can not identify the new broadband-only lines at the exchange/zone level. Company can enter the new broadband-only lines at the exchange level, and the monthly weighted average ARC at the exchange level will be applied to impute the ARC revenue.

Exchange/Zone (Plan) Name	Projected Residential Broadband-only Lines including Lifelines eligible for CBOL support (Migration from Voice or Voice/Data Lines)	Projected Residential Broadband-only Lines including Lifelines eligible for CBOL support (New Lines)	Total Projected Residential Broadband-only Lines including Lifelines eligible for CBOL support	Residential ARC	Monthly Weighted Average Residential ARC at the exchange level	[A1*D*12+B1*E*12] Imputed Residential ARC Revenue
	(A1)	(B1)	( C1 ) =(A1) + (B1)	(D)	( E)	(F)
Exchange A/Zone X	input		calculated	pre-populated		calculated
Exchange A/Zone Y	input		calculated	pre-populated		calculated
Exchange A/Zone Z	input		calculated	pre-populated		calculated
Exchange A		input	calculated		calculated	calculated
Exchange B	input	input	calculated	pre-populated		calculated
Study Area Summary	calculated	calculated	calculated			calculated

Monthly Weighted Average Residential ARC at the exchange level = Sum the residential ARC revenues across all zones (plans) within the exchange/total residential lines for the exchange/12 based on the Voice-Data or Voice lines.

Option (A): Companies can identify SLB and MLB broadband-only lines and input the projected SLB and MLB broadband-only lines separately.

Study Area	Projected SLB Broadband-only Lines	SLB ARC	Imputed SLB ARC Revenue	Projected MLB Broadband-only Lines	MLB ARC	Imputed MLB ARC Revenue	Total Imputed Residential, SLB and MLB ARC Revenue
	(G)	(H)	$(I)=(G)*(H)*12$	(J)	(K)	$(L)=(J)*(K)*12$	$(F)+(I)+(L)$
Study Area Summary	Input	pre-populated	calculated	Input	pre-populated	calculated	calculated

Option (B): if companies can not separate SLB and MLB broadband-only lines, input the total SLB and MLB broadband-only lines.

Study Area	Projected SLB+MLB Broadband-only Lines	Monthly Weighted Average of SLB and MLB ARC	Imputed SLB+MLB ARC Revenue	Total Imputed Residential, SLB and MLB ARC Revenue
	(M)	(N)	$(O)=(M)*(N)*12$	$(F)+(O)$
Study Area Summary	input	calculated	calculated	calculated

Monthly Weighted Average of SLB and MLB ARC= $(\text{SLB ARC Revenue} + \text{MLB ARC Revenue})/(\text{SLB Lines} + \text{MLB Lines})/12$  based on Voice-Data or Voice lines.

	Line Description	Source
10	Test Period 2023-2024 CAF ICC Support	Prepopulated (Line 150 (Post True-Up) on the Eligible Recovery and CAFICC screen)
20	Total Test Period 2023-2024 Imputed ARC Revenue	Columns on the table above
30	Adjusted Test Period 2023-2024 CAF ICC Support	Line 10 - Line 20

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**APPENDIX C**

**2023 ADVANCED SERVICES DEMAND DATA REQUEST**



**INSTRUCTIONS FOR THE**  
**2023 ADVANCED SERVICES DEMAND DATA REQUEST**

**Tuesday, January 31, 2023 - Friday, March 31, 2023**

Study Contacts

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## Introduction

The 2023 Advanced Services Demand Data Request collects information that is integral to developing NECA's special access rates for the 2023 Annual Filing.

This document provides detailed instructions to help you login to the website, navigate it, and enter data for your study area(s). In this study there are separate sections devoted to itemized special access revenue data and demand data for the NECA FCC Tariff No. 5 Services.



### What's new this year?

- We have eliminated/combined the following items to streamline the data request process:
  - Eliminated the collection of special access revenues
  - Eliminated the collection of all ADSL and SDSL Data-Only line counts
  - Combined line counts of 100 Mbps to 1000 Mbps for both ADSL and SDSL
  - Simplified the collection of Bandwidth Add-On counts
- We have implemented some edit checks to avoid erroneous inputs. When the user submits the demand counts, the system will calculate and approximate monthly recurring revenues and sum them up for three categories (DSL VD, ETS and Other Revenue excluding DSL and ETS), and compare them with the latest settlement revenues as of December 2021 and December 2022 (see page 18). A flag will show for each category when this difference is extreme, and it will ask the user to review the input data. The flag will not prevent the user from submitting the data, but will help ensure correct data is submitted.

## Logging into the Website

1. Go to [www.neca.org](http://www.neca.org) and click on **Log In**. The NECA Login screen will be displayed where you can submit your NECA member User ID and Password.
2. Click on **Data Collections and Tools** under **Member Services** on the top menu of the page.
3. Click on **Advanced Services Demand Data Request** on the **Data Collections and Tools** page.
4. The **WELCOME** screen of the Advanced Services Demand Data Request will appear. When you click on the **Proceed** button in the bottom right hand corner, you will be asked to enter the contact information. Then, you will be redirected to the **Study Area - Exchange Carrier List**. Please follow the instructions posted on the website for this section as well as the other sections of the study.

## Study Area – Exchange Carrier List

The **Study Area - Exchange Carrier List** contains the study areas that are associated with your User ID in NECA's records. (Many users will see one study area code listed.) You will use this page to select the study area(s) for which you are entering data. Besides Study Area Code and Study Area Name columns, you will see additional columns to indicate the data submission status: one column for each of the services.

Initially you will see a status of "No Data Entered (denoted by )" for each of the categories. The status column will change after you make changes to each section (described below) and after you answer questions about each service. The status changes to "Pending" (denoted by ) if you indicate on the **NECA Tariff 5 Services** page that you offer a particular service. It changes to "Completed" (denoted by ) after you answer the questions about the service. For your convenience, **Blank Forms** are available and downloadable from the web site. With printed forms, you can preview the data request and fill it out on paper before entering the data on the web site.

## Demand for Access Elements

### NECA Tariff 5 Services

Please use the check boxes on this screen to indicate the NECA Tariff 5 services that you billed during the calendar years 2021 and 2022. Each box you checked becomes a link after you click on the **Next** button. When you click on a link, you will be directed to a series of questions about the demand for the service.

For each service in your selection, you will have to report actual year-end demand for calendar years 2021 and 2022. The 2023 study covers the following NECA Tariff 5 services:

- DSL
- DSL Access Service Connection Points
- Ethernet Transport Service
- IP Gateway
- High Capacity (DS1/DS3)
- SONET
- Access Order Charge (AOC) Revenue

There is also a check box for **Comments**. Please check this box. You can use the **Comments** section to clarify information you enter in other sections or make suggestions for future studies.

In addition, you will always have access to these Instructions from a link on the menu bar at the top of each page.

## General Instructions – Services Sections

Each section devoted to a service has a series of questions about customer demand in terms of various rate elements. The questions ask about the demand that was in place as of December 31, 2021 and December 31, 2022.

After you answer the set of questions, you will see a **Prev** button and a **Submit & Next** button at the bottom of the screen. To return to the previous screen without submitting any data, click on the **Prev** button. Please note that if you do this, any data you entered in the section will be lost. To submit your answers to the questions, click on the **Submit & Next** button. Your data for the section will be entered and you will be redirected to the screen for the next service that you chose in the NECA Tariff 5 Services list.

If you offer a service but don't have demand for the service, e.g., SONET, please go to the section and submit zeros. Because all the fields are pre-populated with zeros, you simply have to go to the section and click on **Submit & Next**. You will receive a **Warning Message** that you are submitting zeros. Click on **OK** to proceed.

In several areas of the survey, edit checks have been included that will issue a **Warning Message** if you enter a value that appears very high or too low. The system will highlight the suspect fields in red. At this point you can proceed with the data submission by clicking on **OK** in the Warning Message, or review the suspect fields by clicking on **Cancel**. If you receive such a Warning Message, please verify the data points that triggered the message before you submit them.

In a few areas of the survey, an edit check will issue an **Error Message** if data appear erroneous. The problem data are highlighted in red. If you get an Error Message, you will not be able to submit the data until you correct the error.

After you enter data for a service, the status for the service will change from "Pending" to "Completed" on the **NECA Tariff 5 Services** screen and the **Study Area - Exchange Carrier List** screen. You can always go back to a section to revise data you have entered.

You can also delete data that you have entered for a section. To do this, go to the **NECA Tariff 5 Services** screen, and uncheck the section that contains the data you want to delete. You will see a **Warning Message** that you are about to delete data for the section. To proceed with the deletion, click on **OK**, otherwise click on **Cancel**. You must complete the deletion by clicking on the **Next** button at the bottom of the page. When you do this, all the data fields in the section will be replaced with zeros.

After you have entered data successfully for all of the relevant sections, you will be redirected to the **NECA Tariff 5 Services** screen to review the completion status. You may **Logout** from the study or choose to enter data for another Study Area by clicking on the **Finish** button on the menu at the bottom of the screen or **View Study Areas** on the menu at the top of the **NECA Tariff 5 Services** screen.

Finally, the menu at the *top* of screen will appear in each section as shown below. The menu contains a variety of functions that you can click on:



**Home:** Takes you back to the Welcome screen.

**Contact Us:** Launches a form you can use to send an email to NECA about any problems you are experiencing with the study.

**Instructions:** Launches a copy of this document.

**Blank Forms:** Launches a downloadable copy of the data request.

**View Study Areas:** Takes you back to the **Study Area - Exchange Carrier List** screen.

**NECA Tariff 5 Services:** Takes you back to **NECA Tariff 5 Services** screen.

**Print:** Prints a copy of the screen.

**Download Data:** NECA archived your data submissions in the past. You can download the archived data in an Excel format by selecting a study year from the menu. Note that if the downloaded spreadsheet shows all blank cells, it means that your company did not provide data for the study year.

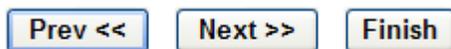
**Logout:** Logs you out from the study.

Also, a navigation bar under the *top* menu of the screen will appear in each section. An example is shown below. This navigation bar indicates where your current section is located within the website. You can click on a destination on the bar and move to a different section of the website.

[Home](#) > [Study Area List](#) > [Main](#) > [NECA Tariff5 Services](#) > High Capacity (DS1/DS3)



The menu at the *bottom* of screen will appear in each section as shown below:



**Prev <<:** Takes you back to the previous section.

**Next >>:** Takes you to the next section.

**Submit & Next:** Submits the current section data and moves to the next section.

**Submit:** Submits the data and then takes you back to the **NECA Tariff 5 Services** screen.

**Finish:** Takes you to **Study Area - Exchange Carrier List** after completing all selected services. This button will appear at the bottom of the **NECA Tariff 5 Services** screen only when you complete all services in your selection.

## DSL\*

To simplify data entry, the DSL section only asks for high-level information in the following categories:

- ADSL voice-data line counts
- SDSL voice-data line counts

Note: DSL\* (Digital Subscriber Line) is defined as the provision of broadband access service over local exchange facilities including, but not limited to, copper loops, hybrid copper-fiber loops, fiber-to-the-curb, fiber-to-the-premises or any other type of wireline facilities, including those using DSL, as well as fixed wireless technologies.

Note: In 2021, NECA has changed the naming convention for ADSL speed options to follow common practice in the industry. We list a download speed first and then an upload speed for each ADSL speed option. For example, the ADSL 6 Mbps/1 Mbps speed option represents ADSL with 6 Mbps download speed and 1 Mbps upload speed.

### DSL Voice-Data Line Counts

Please enter the number of ADSL voice-data lines that were in service under NECA Tariff No. 5 as of Dec. 31, 2021 and Dec. 31, 2022. ADSL speed options are listed: ADSL 6/1 Mbps, ADSL 10/1 Mbps, ADSL 15/3Mbps, ADSL 25/3 Mbps, ADSL 50/25 Mbps, and ADSL 100/50 Mbps and up to ADSL 1000/100 Mbps.

Please enter the SDSL voice-data line counts that were in service under NECA Tariff No. 5 as of Dec. 31, 2021 and Dec. 31, 2022. SDSL speed options are listed: SDSL 256 kbps, SDSL 512 kbps, SDSL 768 kbps, SDSL 10 Mbps, SDSL 50 Mbps, and SDSL 100 Mbps and up to SDSL 1000 Mbps.

For all other SDSL speed options (SDSL 144 kbps, SDSL 2 Mbps, SDSL 4 Mbps), please enter total count for each year in the “All Other SDSL Lines” category.

The website will automatically show total number of DSL voice-data lines by summing up your inputs for ADSL and SDSL services in the previous tables. The website will compare it with the DSL voice-data line count recently reported to the EC1050 or AS1000. When it finds a reasonably big difference, it will raise a warning for your confirmation.



NECA uses an “Accordion” web page style to the DSL section. Only one table is open for your input. When you click on a table title for an A/SDSL speed option, the web browser will expand the table for your input while collapsing all other tables and showing only the table titles.

Here is an example. Suppose you want to enter demand counts for a speed option **ADSL 6/1 Mbps**. You will click on the table title **ADSL 6/1 Mbps**. Then, the web browser will expand the table and show the input cells (see the demo screenshot below):

The screenshot displays the 'Advanced Services Demand Data Request' web application. The page title is 'DSL \*'. The 'Study Area Code' is 999999 and the 'Study Area Name' is ABC Tel. Co. The page contains several tables for entering DSL line counts. The 'ADSL 6 Mbps/1 Mbps' table is expanded, showing input fields for 'Voice-Data Lines Count' and 'Voice-Data Lines Count' for the years 2021 and 2022. Other tables are collapsed.

Total DSL Lines under NECA's Tariff 5 (Note: Total DSL, ADSL, SDSL Lines below are automatically computed for the county you enter below)		Actuals for Dec. 31 2021	Actuals for Dec. 31 2022
Total DSL Lines		10000	2000
Total ADSL Lines		10000	2000
Total SDSL Lines		0	0

ADSL 6 Mbps/1 Mbps		Actuals for Dec. 31 2021	Actuals for Dec. 31 2022
ADSL 6 Mbps/1 Mbps			
ADSL 6 Mbps/1 Mbps	Voice-Data Lines Count		Voice-Data Lines Count
ADSL 6 Mbps/1 Mbps	3-Year Term (discounted rates)	10000	2000
ADSL 6 Mbps/1 Mbps	1-Year Term (discounted rates)	0	0
ADSL 6 Mbps/1 Mbps	Monthly Plan (discounted rates)	0	0
ADSL 6 Mbps/1 Mbps	Non-discounted rates	0	0
ADSL 6 Mbps/1 Mbps	Subtotal	10000	2000

Other collapsed tables include: ADSL 10 Mbps/1 Mbps, ADSL 15 Mbps/2 Mbps, ADSL 20 Mbps/2 Mbps, ADSL 30 Mbps/2 Mbps, ADSL 100 Mbps/20 Mbps and up to ADSL 1000 Mbps/100 Mbps, SDSL 200 Mbps, SDSL 312 Mbps, SDSL 708 Mbps, SDSL 10 Mbps, SDSL 20 Mbps, SDSL 100 Mbps and up to SDSL 1000 Mbps, and All other SDSL Lines.

At the bottom of the page, there are 'Prev <<' and 'Submit' buttons, and a copyright notice: © 2021, NECA. Terms Of Use/Privacy Policy.



## DSL Access Service Connection Points



*The DSL Connection Points section is applicable to traffic sensitive pool members regardless of whether they use NECA's DSL tariff rates.*

The DSL Access Service Connection Point aggregates data traffic from one or more Serving Wire Centers, where it is then transferred to the network of an ISP, corporate LAN provider, or other telecom service provider. The DSL Access Service Connection Point is an optional feature the provider orders under Special Access, ATM Cell Relay Access Service, Ethernet Transport Service, and/or Frame Relay Access Service. The Access Service Connection Point option has recurring and nonrecurring charges under High Capacity, SONET, and Metallic Service, whereas it has a nonrecurring charge under ATM and Ethernet Transport Service.

All of the DSL Access Service Connection Point information is being collected in one section. Please indicate the number and type(s) of ports from NECA's Tariff 5 with DSL Access Service Connection Point Option in your network as of Dec. 31, 2021 and Dec. 31, 2022.



*Later sections of the survey also ask for port counts. Any ports that you enter in this section that serve as connection points should also be included in port counts in later sections of the survey.*

## Ethernet Transport Service

An ETS Channel Termination provides the transport facility between the customer designated premises and an ETS Basic Port at the Telephone Company's ETS serving wire center (SWC). NECA's rates vary by capacity and by the distance between the customer designated premises and the ETS SWC.



*NECA uses an "Accordion" web page style to the ETS section. Only one table is open for your input. When you click on a table title, the web browser will expand the table for your input while collapsing all other tables and showing only the table titles.*

### Counts of Ethernet Transport Service Channel Terminations

Please enter total number of ETS Channel Terminations you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022. Please itemize the Channel Terminations by capacity and by whether the customer designated premises is within or more than 300 feet from the ETS SWC.

### Shares of ETS CTs by Term Plans

As of Dec. 31, 2021 and Dec. 31, 2022, please break down total monthly Channel Terminations into counts by term plan: counts that are not committed to a term plan, counts committed to a 3-year term discount plan, and counts committed to a 5-year term discount plan.

Please note these inputs will be used later on to calculate a weighted average by year to discount the imputed ETS revenue for comparison to settlement revenue.

### Counts of Ethernet Transport Service Basic Ports and Port Protections

ETS Basic Ports provide the interface to the Telephone Company's ETS network. The ETS Basic Port counts should include the basic ports supporting ETS Channel Termination, optional DSL Access Service Connection function, and other logical transmission paths.

Please enter total number of Basic Ports you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022. Please itemize the basic ports counts by their capacity.

For the ETS Basic Port Protection counts, please provide the total number of the ETS Basic Ports for which the customer orders the ETS Port Protection feature. These ports are known as Primary ETS Basic Ports. Please itemize the basic port protections counts by their capacity and by the distance from the Serving Wire Center.

- Note:** (1) Your count should include Ethernet ports that are part of Ethernet Transport Service.  
(2) Please use the ATM section instead of this section to report Ethernet ports that are part of ATM service.  
(3) Please include in your port counts any ETS ports that are equipped with the optional DSL Access Service Connection function that you may have entered in the DSL Connection Point section.



**The number of total ETS Basic ports includes the sum of ETS basic ports for ETS CTs and for the optional DSL Access Service Connection function, at minimum. We expect that the number of ETS ports is greater than or equal to the sum of ETS CTs and ETS DSL Connection Points. You may have to go back to the DSL Connection Points section and the previous ETS CT section to adjust your inputs.**

### Counts of Ethernet Transport Service Interconnection Ports

ETS Interconnection Ports provide the interface to the Telephone Company's ETS network and are used in conjunction with Special Access service.

They permit the ETS customer to: 1) connect a customer designated premises served by an ETS or non-ETS SWC to the Telephone Company's ETS network, or 2) interconnect the Telephone Company's ETS network to an Ethernet network in the serving territory of a non-adjacent telephone company.

Please enter total number of Interconnection Ports you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022. Please itemize the port counts by their capacity.

*Note: (1) If you have demand for ETS Interconnection Ports, please report the associated demand of DS3, OC3, or OC12 Special Access service in the appropriate section of this study.*

*(2) Please include in your port counts any ETS ports that are equipped with the optional DSL Access Service Connection function that you may have entered in the DSL Connection Point section.*

### Counts of ETS Ethernet Virtual Connections

An ETS Ethernet Virtual Connection (EVC) is a logical association established across a shared transmission path that allows the customer to transmit packets between any two ETS ports located on the Telephone Company's ETS network. The intraswitch ETS EVC rate applies when the EVC is between two ETS ports in the same serving wire center. The interswitch ETS EVC rate applies when the EVC is between ETS ports that are in different serving wire centers within the Telephone Company's serving territory.

Please enter total number of Intraswitch and Interswitch Ethernet Virtual Connections you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022. Please itemize the EVCs by type (intra/inter-switch) and capacity.

### Counts of ETS Extended Ethernet Virtual Connections

An ETS Extended Ethernet Virtual Connection (E-EVC) is a logical association established across a shared transmission path that allows the customer to transmit packets between an ETS port located in the Telephone Company's ETS network and the Ethernet network of another telephone company located in an adjacent serving territory.

Please enter the total number of ETS Extended Ethernet Virtual Connections you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022.

Counts of ETS Interconnected Ethernet Virtual Connections up to 50 miles

An ETS Interconnected Ethernet Virtual Connection (ETS I-EVC) is a transport option for jointly provided ETS service between non-adjacent telephone company operating territories, where the airline distance between the ETS Serving Wire Centers (SWCs) serving the customer designated premises (CDPs) is 50 miles or less.

Please enter the total number of ETS I-EVCs you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022, itemized by capacity.

Counts of ETS Interconnected Ethernet Virtual Connections at 51-75 miles

Please enter the total number of ETS I-EVCs you provided under NECA's Tariff 5 as of Dec. 31, 2021 and Dec. 31, 2022, itemized by capacity. Please enter only ETS I-EVC counts of non-adjacent telephone company operating territories, where the airline distance between the ETS Serving Wire Centers (SWCs) serving the customer designated premises (CDPs) is in the range of 51-75 miles.

Counts of ETS Ethernet Class of Service – Near Real Time (NRT)

ETS CoS NRTs are available in 1 Mbps increments on the customer's ETS Intraswitch or Interswitch Ethernet Virtual Connections (ETS EVCs) between two ETS Basic Ports located within the operating territory of the telephone company.

Please enter the total number of megabits ordered by all ETS customers for Ethernet Class of Service (CoS) Near Real Time provided under NECA's Tariff 5 for the time periods listed below. Please itemize the total number of Mbps by switch type (intra/inter-switch) regardless of EVC capacity.

For example, an ETS customer with a 250 Mbps ETS Intraswitch EVC between two 250 Mbps ETS Basic Ports orders a total of 100 Mbps of Near Real Time CoS. Then you will enter "100". Please provide the data for two periods, as of Dec. 31, 2021 and Dec. 31, 2022.

Counts of ETS Ethernet Class of Service –Real Time (RT)

ETS CoS RTs are available in 1 Mbps increments on the customer's ETS Intraswitch or Interswitch Ethernet Virtual Connections (ETS EVCs) between two ETS Basic Ports located within the operating territory of the telephone company.

Please enter the total number of megabits ordered by all ETS customers for Ethernet Class of Service (CoS) Real Time provided under NECA's Tariff 5 for the time periods listed below.

Please itemize the total number of megabits by switch type (intra/inter-switch) regardless of EVC capacity.

For example, an ETS customer with a 250 Mbps ETS Intraswitch EVC between two 250 Mbps ETS Basic Ports orders a total of 100 Mbps of Real Time CoS. Then you will enter "100". Please provide the data for two periods, as of Dec. 31, 2021 and Dec. 31, 2022.

#### Counts of ETS Low Bit Rate Ethernet Virtual Circuit Channels

An ETS LBR-VCC option provides a 64 kbps two-way virtual communications path (upstream and downstream). It is designed to meet the needs of providers of home monitoring services such as security and metering applications, including Advanced Metering Infrastructure for smart grid functions. The ETS LBR-VCC provides a 64 kbps virtual circuit path (secure VLAN) between the ETS customer's CDP and the premises of its end user customer, provided the end user customer's premises is equipped with a tariffed A/SDSL Access Service provided by the telephone company. It is available in increments of 64 kbps.

Please enter the total number of 64 kbps increments for all the LBR-VCCs as of Dec. 31, 2021 and Dec. 31, 2022.

#### Counts of ETS Multimedia Virtual Circuit Channels

An ETS Multimedia Virtual Circuit Channel (MM-VCC) is used for high speed multimedia transmission between the customer designated premises and the premises of the end user ADSL customer. It is available in increments of 10 Mbps.

The monthly recurring charge for ETS MM-VCCs is waived when local exchange telephone service, ADSL Access Service, and ETS MM-VCCs are provided from the same serving wire center where the ETS DSL Access Service Connection Function is deployed.

Please enter total number of ETS MM-VCCs as of Dec. 31, 2021 and Dec. 31, 2022 you provided under NECA's Tariff 5.

**Example:** *A 20 Mbps ETS MM-VCC would have two 10 Mbps increments. If there are 25 ETS MM-VCCs, and each one is 20 Mbps, then the number of 10 Mbps increments is  $25 \times 2 = 50$ .*

Among the total number of ETS MM-VCCs entered in the question above, please provide how many ETS MM-VCCs (and their associated bandwidth) had the monthly recurring charge waived as of Dec. 31, 2021 and Dec. 31, 2022.

*Note: Because ETS MM-VCCs are used in conjunction with an ETS port that has been equipped with the optional DSL Access Service Connection Function, the port count you*

*entered in the DSL Connection Point section should include the ETS port that is so equipped.*

Finally, please enter total number of incidences for ETS MM-VCC Non-recurring Charge that your company billed under NECA's Access Tariff for the past two years.

Counts of ETS Bandwidth Add-On 10 Mbps (ETS BAO)

The ETS Bandwidth Add-On (ETS BAO) feature offers an ETS customer increased flexibility when additional bandwidth capacity on eligible ETS service elements is needed. It is only available for the following eligible ETS service elements and speed option combinations: ETS Basic Port, ETS CT <= 300', ETS CT > 300', ETS EVC, ETS E-EVC, ETS I-EVC up to 50 miles, and/or ETS I-EVC between 51-75 miles at 50 Mbps, 100 Mbps, 200 Mbps, 250 Mbps, 300 Mbps, 400 Mbps, 500 Mbps, 600 Mbps, 700 Mbps, 750 Mbps, 800 Mbps and/or 900 Mbps.

**Example:** *an ETS customer with an existing 100 Mbps ETS Basic Port needs 150 Mbps of bandwidth capacity. Although it would be paying for bandwidth it did not need, the ETS customer could replace the existing 100 Mbps ETS Basic Port with the next highest speed available under the tariff (i.e., 250 Mbps). Alternatively, the ETS customer could order one ETS BAO feature comprised of five 10 Mbps increments of additional bandwidth added to the underlying 100 Mbps ETS Basic Port to achieve the 150 Mbps of bandwidth capacity that the customer needs. For such a case, the number of 10 Mbps increments for ETS Basic Port is 5.*

Please provide the data for two periods, as of Dec. 31, 2021 and Dec. 31, 2022.

Counts of ETS Bandwidth Add-On 500 Mbps (ETS BAO)

The ETS Bandwidth Add-On (ETS BAO) feature offers an ETS customer increased flexibility when additional bandwidth capacity on eligible ETS service elements is needed. It is only available for the following eligible ETS service elements and speed option combinations: ETS Basic Port, ETS CT <= 300', ETS CT > 300', ETS EVC, ETS E-EVC, ETS I-EVC up to 50 miles, and/or ETS I-EVC between 51-75 miles at 1 Gbps, 2.5 Gbps or 5 Gbps.

Please provide the data for two periods, as of Dec. 31, 2021 and Dec. 31, 2022.

## **IP Gateway Access**

IPG provides customers the ability to deliver interexchange voice traffic originated on or transported across their IP networks for termination to the telephone company's local exchange service subscribers, and to accept interexchange voice traffic originated on or transported across the telephone company's network, using FGD Switched Access Service and IP packet transport technology. IPG transport options enable transmission at data

speeds of 1.544 Mbps or 44.736 Mbps. IPG service is available at designated telephone company serving wire centers where the telephone company has deployed an IP gateway switch and provides FGD Switched Access Service.

For Dec. 31, 2021 and Dec. 31, 2022, please enter actual total number of IPG Ports, IPG Transport Terminations (IPG TT), IPG Transport Mileage Terminations (IPG TMT), and **total billable mileage** for the IPG Transport Mileage Facility (IPG TMF).

### **High Capacity (DS1/DS3)**

The High Capacity section asks about demand for Channel Terminations (CT), Channel Mileage Terminations (CMT), and Channel Mileage Facility (CMF) mileage for interstate DS1 and DS3 circuits you provided under NECA Tariff No. 5. The elements may be undiscounted or discounted under either a three-year or five-year term plan.

*Note: Please include in your counts any DS1 or DS3 services equipped with the optional DSL Access Service Connection function that you may have entered in the DSL Connection Point section.*

For Dec. 31, 2021 and Dec. 31, 2022, please enter actual CT and CMT counts, and **total billable** CMF mileage.

### **SONET**

The SONET section is similar to the High Capacity section. It asks about demand for Channel Terminations, Channel Mileage Terminations, and Channel Mileage Facility mileage for interstate OC3 and OC12 circuits you provided under NECA Tariff No. 5. The elements may be undiscounted or discounted under either a three-year or five-year term plan.

*Note: Please include in your counts any OC3 service equipped with the optional DSL Access Service Connection function that you may have entered in the DSL Connection Point section.*

For Dec. 31, 2021 and Dec. 31, 2022, please enter actual CT and CMT counts, and **total billable** CMF mileage.

### **Access Order Charge (AOC) Revenue**

Unlike the other sections of the survey devoted to services, the Access Order Charge (AOC) section asks for annual revenue rather than demand quantities. Please enter your annual Access Order Charge (AOC) Non-Recurring Revenue billed under NECA Tariff No. 5 as of Dec. 31, 2021 and Dec. 31, 2022.

## Comparison of Imputed with Settlement Revenues

This year, we have implemented some edit checks to avoid potential input errors. When the user submits the demand counts, the system will calculate and approximate monthly recurring revenues and sum them up for each service as shown below. A flag will show for each service and/or total when the difference is more than +/-25%. When this occurs, please review the input data again. The flag will not prevent the user from submitting the data but will help ensure correct data is submitted.

Please note the imputed revenues included 1) a DSL VPP discount percentage by year based on NECA's June 2022 Annual Filing, and 2) a weighted average of the ETS discount percentage by year between monthly, 3-Year term, and 5-Year term, using inputs collected from "Shares of ETS CTs by Term Plans".

The screenshot shows a web browser window with the URL [dev.necainfo.org/AdvancedServices/Source/ImputedSettlementComparison.aspx](http://dev.necainfo.org/AdvancedServices/Source/ImputedSettlementComparison.aspx). The page title is "View Comparison of Imputed with Settlement Revenues". The study area code is 999999 and the name is ABC Tel. Co. The table below compares imputed and settlement revenues for two periods: Dec 31 2021 and Dec 31 2022. Red flags (P) are present next to the Non-ETS and Total rows in both periods, indicating a difference of more than +/-25%.

Services	Dec. 31 2021		Dec. 31 2022	
	Imputed	Settlement	Imputed	Settlement
DSL Voice-Data	\$0	\$0	\$0	\$0
ETS	\$621	\$548	\$677	\$597
Non-ETS such as IP Gateway, HiCap. and Sonnet	\$0	\$574	\$0	\$505
<b>Total</b>	<b>\$621</b>	<b>\$1,122</b>	<b>\$677</b>	<b>\$1,102</b>

## Comments

Please use this section to clarify information you enter in other sections or to make suggestions for future studies. Please be as specific as possible. Please provide your name, phone number, and e-mail ID in case we have to contact you.

## Help & Contact Us

For more information, please refer to the online NECA Access Charge Handbook on the NECA website. Also, you can send your question to us by using the "Contact" function on this data request website.