

"Historical and Projected County Level Data" Table

FCC Disclaimer: Example Entries are only examples and are not extracted from nor representative of actual data.

The following data descriptions apply to the columns of the "Historical and Projected County Level Data" table. The "Historical and Projected County Level Data" table should contain one row for every county for the given date.

All data provided in this table should correspond to data entered in the other requested tables or Appendices.

Column A:

Date

Description:

The month for which the data is being reported from January 2008 through January 2016. Historical data should be as of the second week of the month. For future years, provide latest projected data.

Format of Field:

Text - YYYY_01

Possible Entries:

2011_01

2012_01

2013_01*

2014_01*

2015_01*

2016_01*

* Future projections may represent EOY of the previous year (e.g., 2013_01 may actually be EOY2012)

Column B:

County_FIPS

Description:

The five digit county FIPS code (two digit state code plus three digit county code) as specified in the US Census Bureau's 2010 census.

Format of Field:

Text

Example Entries:

"01001", "51121", etc.

Column C:

County_Name

Description:

County name as specified by the US Census Bureau followed by a comma, a space, and the two-letter state abbreviation. The county's name corresponds to the correct county FIPS code given in Column B.

Format of Field:

Text

Example Entries:

Montgomery, VA

Column D:

Total_Verizon_Subs

Description:

The total number of Verizon Wireless subscribers (all technologies) in a county excluding M2M.

Format of Field:

Integer Number

Example Entries:

3,000,000

"Historical and Projected County Level Data" Table

Column E-J:

Spec_Band_MHz

Description: Total available spectrum in MHz within a given licensed band in the given county
Format of Field: Number with two decimal places
Possible Entries: 25.00

Column E 850 MHz band
 Column F PCS Band
 Column G AWS Band (prior to transaction)
 Column H AWS from SpectrumCo (assuming transaction is consummated)
 Column I AWS from Cox (assuming transaction is consummated)
 Column j 700 MHz Upper and Lower

Columns: K-M

Covered_POPS_Technology

Description: The county population covered by Verizon Wireless's corresponding Radio Access Technology.
Format of Field: Integer Number
Possible Entries: 50,000

Column K 1X
 Column L DO
 Column M LTE

Columns: N-P

Area_Cov_Technology_SqM

Description: The county area covered by Verizon Wireless's corresponding Radio Access Technology.
Format of Field: Integer Number
Possible Entries: 25,000

Column N 1X
 Column O DO
 Column P LTE

Columns: Q-S

BW_Technology_850_MHz

Description: Deployed Bandwidth in MHz for the listed Radio Accesss Technology in the 850 MHz band (e.g., three DO carriers = 3 x 1.25 MHz x 2 = 7.5 MHz).
Format of Field: Number with two decimal point
Possible Entries: 25.00

Column Q 1X
 Column R DO
 Column S LTE

"Historical and Projected County Level Data" Table

Columns: T-V

BW_Technology_PCS_MHz

Description: Deployed Bandwidth in MHz for the listed Radio Access Technology in the PCS band.
Format of Field: Number with two decimal point
Possible Entries: 20.00
 Column T 1X
 Column U DO
 Column V LTE

Column: W

BW_Technology_AWS_MHz

Description: Actual Deployed Bandwidth in MHz for LTE within the AWS band.
Format of Field: Number with two decimal point
Possible Entries: 40.00

Column: X

BW_Technology_700_MHz

Description: Actual Deployed Bandwidth in MHz for LTE in the 700 MHz bands.
Format of Field: Number with two decimal point
Possible Entries: 20.00

Columns: Y-AA

#Sites_Technology_850

Description: The number of sites in the county in which the designated radio access technology is deployed in the 850 MHz band.
Format of Field: Integer Number
Possible Entries: 1,234
 Column Y 1X
 Column Z DO
 Column AA LTE

Columns: AB-AD

#Sites_Technology_PCS

Description: The number of sites in the county in which the designated radio access technology is deployed in the PCS band.
Format of Field: Integer Number
Possible Entries: 880
 Column AB 1X
 Column AC DO
 Column AD LTE

Columns: AE

#Sites_LTE_AWS

Description: The number of sites in the county in which LTE is deployed in the AWS band.
Format of Field: Integer Number
Possible Entries: 620

"Historical and Projected County Level Data" Table

Columns: AF	#Sites_LTE_700	<i>Description</i>	The number of sites in the county in which LTE is deployed in the 700 MHz bands.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	1,453
Column: AG	#Subs_1X_Voice Only	<i>Description:</i>	The number of voice-only subscribers on the 1X network in the county.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	3,000,000
Column: AH	#Subs_1X_Voice_DO_Data	<i>Description:</i>	The number of voice and data subscribers using the 1X network for voice and the DO network for data in the county.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	2,000,000
Column: AI	#Subs_DO_Data_Only	<i>Description:</i>	The number of data-only subscribers on the DO network in the county, excluding M2M.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	2,000,000
Column: AJ	#Subs_DO_M2M	<i>Description:</i>	The number of M2M subscribed connections on the DO network in the county.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	2,000,000
Column: AK	#Subs_1X_Voice_LTE_Data	<i>Description:</i>	The number of voice and data subscribers using the 1X network for voice and the LTE network for data in the county.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	250,000
Column: AL	#Subs_LTE_VoLTE	<i>Description:</i>	The number of voice and data subscribers using the LTE network for both voice and data in the county.
		<i>Format of Field:</i>	Integer Number
		Possible Entries:	250,000

"Historical and Projected County Level Data" Table

Column: AM	#Subs_LTE_Data_Only	<p><i>Description:</i> The number of data-only subscribers on the LTE network in the county, excluding M2M.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 250,000</p>
Column: AN	#Subs_LTE_M2M	<p><i>Description:</i> The number of M2M subscribed connections on the LTE network in the county.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 250,000</p>
Column: AO	Agg_BBH_1X_Voice_Traffic_Erlang	<p><i>Description:</i> The county aggregate bouncing busy hour 1X voice traffic in Erlangs. The BBH traffic for each site should be each site's five-day (weekday) average.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 500,000</p>
Column: AP	Agg_BBH_DO_Data_Traffic_GB	<p><i>Description:</i> The county aggregate bouncing busy hour downlink DO data traffic in GB. The BBH traffic for each site should be each site's five-day (weekday) average.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 300,000</p>
Column: AQ	Agg_BBH_LTE_Data_Traffic_GB	<p><i>Description:</i> The county aggregate bouncing busy hour downlink LTE data traffic in GB (excluding VoIP). The BBH traffic for each site should be each site's five-day (weekday) average.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 1,000,000</p>
Column: AR	Agg_BBH_LTE_VoIP_Traffic_GB	<p><i>Description:</i> The county aggregate bouncing busy hour downlink LTE VoIP traffic in GB. The BBH traffic for each site should be each site's five-day (weekday) average.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 75,000</p>
Column: AS	Agg_Total_Daily_1X_Voice_Traffic_Erlang	<p><i>Description:</i> The county aggregate total daily 1X voice traffic in Erlangs. The total daily traffic for each site should be each site's five-day (weekday) average.</p> <p><i>Format of Field:</i> Integer Number</p> <p>Possible Entries: 5,000,000</p>

"Historical and Projected County Level Data" Table

Column: AT

Agg_Total_Daily_DO_Data_Traffic_G
B

Description:

The county aggregate total daily downlink DO data traffic in GB.

The total daily traffic for each site should be each site's five-day (weekday) average.

Format of Field:

Integer Number

Possible Entries:

3,000,000

Column: AU

Agg_Total_Daily_LTE_Data_Traffic_G
B

Description:

The county aggregate total daily downlink LTE data traffic in GB (excluding VoIP).

The total daily traffic for each site should be each site's five-day (weekday) average.

Format of Field:

Integer Number

Possible Entries:

10,000,000

Column: AV

Avg_Total_Daily_LTE_VoIP_Traffic_G
B

Description:

The county aggregate total daily downlink LTE VoIP traffic in GB. The total daily traffic for each site should be each site's five-day (weekday) average.

Format of Field:

Integer Number

Possible Entries:

750,000

Format of Data

All data should be submitted in a .csv (comma-delimited) format. The sheets in the workbook provide a template for how the tables should be designed.

The required format for the entries in each column/field is indicated in the instructions for each sheet.

All entries in Text fields must be in quotation marks (e.g. "Verizon").

Column entries in bold red indicate that the party should enter only one of the possible entries listed for that column. No other entries should be entered.

Do not submit any data for U.S. territories or the Gulf of Mexico (CMAs 91, 147, 169, 202, 204, 306, and CMAs 723 through 734).

Data for all of the tables should be submitted for all timeframes specified in the instructions for the "Date" field of each respective sheet.

"Site Data" Table

The following data descriptions apply to the columns of the "Site Data" table. The "Site Data" table should contain one row for every site utilized by Verizon Wireless. The site IDs in this table should correspond to the site IDs entered in the other requested tables.

Column A:	Date	<i>Description:</i> The time period for which the data are being reported. Submit annual snapshots from January 2008 through January 2012. Site data should be as of the second week of January. <i>Format of Field:</i> Text - YYYY_01 <i>Possible Entries:</i> 2008_01 2009_01 2010_01 2011_01 2012_01
Column B:	Site ID	<i>Description:</i> A unique site ID for the site to which this data record applies. <i>Format of Field:</i> Text <i>Example Entries:</i> "AL0001", "VA0128", etc.
Column C:	Number of Sectors	<i>Description:</i> This field provides an integer representing the number of sectors this site utilizes. <i>Format of Field:</i> Number - Integer <i>Example Entries:</i> 1, 2, 3, etc.
Column D:	Latitude	<i>Description:</i> This field is the latitude (NAD 82) of the site in decimal form to at least six significant digits. <i>Format of Field:</i> Number - At least 6 decimal places <i>Example Entries:</i> 37.705278, 34.299167, etc.
Column E:	Longitude	<i>Description:</i> This field is the longitude (NAD82) of the site in decimal form to at least six significant digits. <i>Format of Field:</i> Number - At least 6 decimal places <i>Example Entries:</i> -77.424444, -102.860556, etc.
Column F:	County FIPS	<i>Description:</i> This field is the five-digit FIPS code - based on 2010 designations - of the county in which the site is located. <i>Format of Field:</i> Text <i>Example Entries:</i> "01001", "51121", etc.
Column G:	CMA	<i>Description:</i> This field represents the standard market number of the CMA in which the site is located. <i>Format of Field:</i> Number - Integer <i>Possible Entries:</i> Integers 1 - 722, excluding 91, 147, 169, 202, 204, and 306

"Site Data" Table

Column H:	Site Type	<p><i>Description:</i> This field indicates the type of site to which the record applies using one of the possible entries listed below.</p> <p><i>Format of Field:</i> Text</p> <p>Possible Entries:</p> <ul style="list-style-type: none"> "Macro_Tower" An outdoor macrocell mounted on a monopole, guyed tower, or free standing tower "Macro_Building" An outdoor macrocell mounted on a building "Macro_Other" An outdoor macrocell that does not fit the previous categories (silo, water tower, etc.) "Microcell" An outdoor cell classified by the vendor as a microcell "Outdoor Pico" An outdoor cell classified by the vendor as a picocell "Indoor Pico" An indoor cell classified by the vendor as a picocell "Outdoor DAS" An outdoor Distributed Antenna System "Indoor DAS" An indoor Distributed Antenna System "Repeater" A cell that repeats/boosts the signal of another cell "Other" A cell that does not meet any of the above descriptions
Column I:	Site Geographic Classification	<p><i>Description:</i> This field indicates the morphology of the area that the site serves using one of the possible entries listed below. Please provide a description of the methodology used to determine these classifications in a separate attachment.</p> <p><i>Format of Field:</i> Text</p> <p>Possible Entries:</p> <ul style="list-style-type: none"> "Urban" "Suburban" "Rural"
Column J:	Antenna Height - (Feet - AGL)	<p><i>Description:</i> This field indicates the antenna height above ground level in feet.</p> <p><i>Format of Field:</i> Number</p> <p>Possible Entries: 100</p>
Column K:	Site Height (Feet - ASL)	<p><i>Description:</i> This field indicates the antenna height above sea level in feet.</p> <p><i>Format of Field:</i> Number</p> <p>Possible Entries: 467</p>

"Deployed Carriers" Table

The following data descriptions apply to the columns of the "Deployed Carriers" table (where "carriers" refers to channels or portions of spectrum used in the network rather than operators or service providers). In general, this table should contain one row for each carrier/channel deployed at each Verizon Wireless sector. Because sites and sectors can include multiple carriers/channels, the same site/sector ID may appear in multiple rows.

Column A: | | |-------------| | Date | |-------------|

Description: The time period for which the data are being reported. Submit annual snapshots from January 2008 through January 2012. Deployed carriers data should be as of the second week of January.

Format of Field: Text - YYYY_01

Possible Entries: **2008_01**
2009_01
2010_01
2011_01
2012_01

Column B: | | |----------------| | Site ID | |----------------|

Description: A unique site ID for the site to which this data record applies.

Format of Field: Text

Example Entries: **"AL0001", "VA0128", etc.**

Column C: | | |------------------| | Sector ID | |------------------|

Description: A unique sector ID for the sector to which this data record applies, created by adding a suffix to the site ID.

Format of Field: Text

Example Entries: **Suffix examples include "A", "B", "C" or "1", "2", "3"**

Column D: | | |------------------| | Sector Az | |------------------|

Description: Azimuth of the sector orientation in degrees.

Format of Field: Number

Example Entries: **0**
120

Column E: | | |-------------| | Band | |-------------|

Description: The frequency band in which the channel/carrier in this data record operates.

Format of Field: Text

Possible Entries: **"Cellular"** The Cellular 850 MHz band (824-859 MHz and 869-884 MHz)
"PCS" The PCS 1900 MHz band (1850-1910 MHz and 1930-1990 MHz)
"AWS" The AWS-1 band (1710-1755 MHz and 2110-2155 MHz)
"Upper_700" The Upper 700 MHz band
"Lower_700" The Lower 700 MHz band

"Deployed Carriers" Table

Column F:

Block

Description: The frequency block in which the channel/carrier is operating. Do not report subblocks.

Format of Field: Text

Possible Entries:

"A"	Band = Cellular
"B"	Band = Cellular
"A"	Band = PCS
"B"	Band = PCS
"C"	Band = PCS
"D"	Band = PCS
"E"	Band = PCS
"F"	Band = PCS
"A"	Band = AWS
"B"	Band = AWS
"C"	Band = AWS
"D"	Band = AWS
"E"	Band = AWS
"F"	Band = AWS
"A"	Band = Lower 700
"B"	Band = Lower 700
"C"	Band = Upper 700

Column G:

Technology of Carrier

Description: This field indicates the technology standard used by the channel/carrier described in this record.

Format of Field: Text

Possible Entries:

"1X"	A carrier/channel that only supports 1X CDMA
"EVDO"	A carrier/channel that supports EVDO
"LTE"	An LTE carrier conforming to E-UTRA Release 8 or later
"Other"	A carrier that does not conform to one of the technologies listed above

"Deployed Carriers" Table

Column H: **Carrier BW_MHz**

Description: This field contains the bandwidth in MHz of the carrier described in this record.

Format of Field: Number

Possible Entries:

- 1.25** Carrier = 1X
- 1.25** Carrier = EVDO
- 1.4** Carrier = LTE
- 3** Carrier = LTE
- 5** Carrier = LTE
- 10** Carrier = LTE
- Carrier = Other

Column I: **Center Freq_MHz**

Description: This field contains the unrounded center frequency in MHz of the downlink carrier described in this record.

Format of Field: Number

Example Entries: 1937.5, 2142.625, etc.

Column J: **Carrier Active**

Description: This field is used to indicate whether a carrier is actively carrying customer traffic.

Format of Field: Text

Possible Entries:

- "Yes"** Indicates that the carrier is carrying commercial traffic generated by paying customers
- "No"** Indicates that the carrier is not yet deployed, used for test or trial purposes, or turned off

"Traffic" Table

The following data descriptions apply to the columns of the "Traffic" table. In general, this table is intended to provide data on the average busy hour voice and data traffic at each Verizon Wireless site/sector, by technology group and by spectrum band. Busy hour data is defined as the average bouncing busy hour (BBH) over the 5-day business week period (Mon-Fri) in the second week of the month. The BBH is the one-hour period during the day in which the highest usage is measured, starting on the hour or half hour, and the highest usage hour may vary from day to day.

In the column headings, "1X" indicates traffic carried on a 1X network and "DO" indicates traffic carried on a EVDO network.

Column A:

Date

Description: The time period for which the data are being reported. Submit annual snapshots from January 2008 through January 2012 and monthly snapshots for each month in 2011. BBH traffic should be the five-day average for the second week of the month.

Format of Field: Text - YYYY_MM

Possible Entries:

2008_01	2011_04	2011_10
2009_01	2011_05	2011_11
2010_01	2011_06	2011_12
2011_01	2011_07	2012_01
2011_02	2011_08	
2011_03	2011_09	

Column B:

Site ID

Description: A unique site ID for the site to which this data record applies.

Format of Field: Text

Example Entries: "AL0001", "VA0128", etc.

Column C:

Sector ID

Description: A unique sector ID for the sector to which this data record applies, created by adding a suffix to the site ID.

Format of Field: Text

Example Entries: Suffix examples include "A", "B", "C" or "1", "2", "3"

Column D:

Cell_1X_Avg BBH Voice Traffic_Erlangs
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Description: BBH voice traffic in Erlangs carried by 1X carriers in the Cellular band.

Format of Field: Number

Column E:

Cell_1X_Avg BBH Data Traffic Downlink_MB

Description: BBH base to mobile data traffic in MB carried by 1C carriers in the Cellular band.

Format of Field: Number

"Traffic" Table

Column F:	Cell_1X_Avg BBH Data Traffic Uplink_MB	<i>Description:</i> BBH mobile to base data traffic in MB carried by 1X carriers in the Cellular band. <i>Format of Field:</i> Number
Column G:	Cell_DO_Avg BBH Data Traffic Downlink_MB	<i>Description:</i> BBH base to mobile data traffic in MB carried by EVDO carriers in the Cellular band. <i>Format of Field:</i> Number
Column H:	Cell_DO_Avg BBH Data Traffic Uplink_MB	<i>Description:</i> BBH mobile to base data traffic in MB carried by EVDO carriers in the Cellular band. <i>Format of Field:</i> Number
Column I:	PCS_1X_Avg BBH Voice Traffic_Erlangs	<i>Description:</i> BBH voice traffic in Erlangs carried by 1X carriers in the PCS band. <i>Format of Field:</i> Number
Column J:	PCS_1X_Avg BBH Data Traffic Downlink_MB	<i>Description:</i> BBH base to mobile data traffic in MB carried by 1X carriers in the PCS band. <i>Format of Field:</i> Number
Column K:	PCS_1X_Avg BBH Data Traffic Uplink_MB	<i>Description:</i> BBH mobile to base data traffic in MB carried by 1X carriers in the PCS band. <i>Format of Field:</i> Number

"Traffic" Table

Column L:

PCS_DO_Avg BBH Data Traffic Downlink_MB
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Description: BBH base to mobile data traffic in MB carried by EVDO carriers in the PCS band.
Format of Field: Number

Column M:

PCS_DO_Avg BBH Data Traffic Uplink_MB
--

Description: BBH mobile to base data traffic in MB carried by EVDO carriers in the PCS band.
Format of Field: Number

AWS Band - 1X/EVDO

Column N:

AWS_1X_Avg BBH Voice Traffic_Erlangs

Description: BBH voice traffic in Erlangs carried by 1X carriers in the AWS band.
Format of Field: Number

Column O:

AWS_DO_Avg BBH Data Traffic Downlink_MB
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Description: BBH base to mobile data traffic in MB carried by DO carriers in the AWS band.
Format of Field: Number

Column P:

AWS_DO_Avg BBH Data Traffic Uplink_MB
--

Description: BBH mobile to base data traffic in MB carried by DO carriers in the AWS band.
Format of Field: Number

"Traffic" Table

AWS Band - LTE

Column Q:

**AWS_LTE_Avg BBH
Voice Traffic Erlangs**

Description: BBH voice traffic in Erlangs carried by LTE carriers in the AWS band.
Format of Field: Number

Column R:

**AWS_LTE_Avg BBH
Data Traffic
Downlink_MB**

Description: BBH base to mobile data traffic in MB carried by LTE carriers in the AWS band.
Format of Field: Number

Column S:

**AWS_LTE_Avg BBH
Data Traffic
Uplink_MB**

Description: BBH mobile to base data traffic in MB carried by LTE carriers in the AWS band.
Format of Field: Number

Column T:

**700_LTE_Avg BBH
Voice Traffic Erlangs**

Description: BBH voice traffic in Erlangs carried by LTE carriers in the 700MHz band.
Format of Field: Number

Column U:

**700_LTE_Avg BBH
Data Traffic
Downlink_MB**

Description: BBH base to mobile data traffic in MB carried by LTE carriers in the 700MHz band.
Format of Field: Number

Column V:

**700_LTE_Avg BBH
Data Traffic
Uplink_MB**

Description: BBH mobile to base data traffic in MB carried by LTE carriers in the 700MHz band.
Format of Field: Number

