# BAM Attachment 2 - Data Source and Model Application Summary

The table below provides a summary (inputs grouped by category) of the major data inputs to the BAM along with the underlying source for that data and a reference to where that data is used within the model.

| Data Category | Model Variables | Data Source | Applications within the BAM | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
| | | | GIS Baseline | Wireline Coverage | Investmt | Opex | Rev |
| Census Boundaries | Full census block; full census block group; full census tract; full census county; census state | 2008 TIGER® | x | x | x | x | X |
| Wire center boundaries | Wire center code; wire center area.  Serving Office points | TeleAtlas | x | x | x | | |
| Geographic characteristics | Land area, total road length by type within fragment or Census Block; total road length by wire center; x and y coordinates of fragment. | Tiger; TeleAtlas | x | x | X | | |
| Physical Geography | Elevation variance, landcover, Statsgo | NOAA, Landcover.org | x | x | x | | |
| Population size | Population by block and block group;. | 2009 Geolytics and 2000 Census | x | x | x | | x |
| Housing units | Occupied housing units, total housing units, total households by block; and total housing units by block group. | 2009 Geolytics and 2000 Census. | x | x | x | | x |
| Population composition | Number and percent of people by census block:  inside urbanized area, inside urban clusters, rural farm, rural non-farm. | Census (SF1, SF3) | x | x | x | | x |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Race and ethnic composition | Number and percent of total census block population by race and ethnicity | 2009 Geolytics | x | x | | | x |
| | | | | | | | |
| Linguistic composition | Number and percentage of households by block group that are primarily Spanish speaking or otherwise linguistically isolated | 2000 Census | x | x | | | x |
| | | | | | | | |
| Income | Household median and aggregate income | 2000 Census and 2009 Geolytics | x | x | | | x |
| | | | | | | | |
| Age | Number and percentage of people in detailed age distribution categories by block group. Median age by block group. | 2000 Census and 2009 Geolytics | x | x | | | x |
| | | | | | | | |
| Education | For each block group, educational attainment by gender and age. | 2009 Geolytics | x | x | | | x |
| | | | | | | | |
| Commuting profile | For each block group, total number and percent in the workforce and number working at home. Distribution of commuters by hours of commute. | 2000 Census | x | x | | | |
| | | | | | | | |
| Area Wealth | Medium housing value by block group. Rented dwellings annual expenditures by block group. | 2000 Census | x | x | | | |
| | | | | | | | |
| Composition of business market | Number of business firms and total employees by block. Distribution of business employment by block group. | GeoResults 2009 | x | x | x | x | x |
| | | | | | | | |
| Provider size and organizational structure | Corporate ownership, size of parent company, number of wire centers operated by carrier. | TeleAtlas, NECA Tarrif 4 | x | x | x | x | |
| | | | | | | | |
| National Purpose sites | By blocknumber and type of National Purpose Sites | Various sources as provided by NP team | x | | x | | |

| Economic region | For each census block: the associated Business Trading Area and Economic Trading Area, and Metropolitan Statistical Area. | FCC County to trading area files. | x | | x | | x |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| Company opex financial data | A wide array of company specific financial information (and underlying business volumes) from public and subscription service sources. Data centers on operating expense by category (e.g., maintenance, sales, interconnection, sales and marketing, G&A, bad debt, taxes, etc.) | See Attm 4 for a comprehensive list of opex data sources | | | | x | |
| | | | | | | | |
| Average Revenue per User | Average revenue per user by product (voice, high/low volume data, high/low volume video, high/low volume bundled). | FCC | | | | | x |
| | | | | | | | |
| Cable carrier operating Internet Service | Existence of cable incumbent in a block group within a block. | Media Prints | x | | x | | x |
| | | | | | | | |
| Wireless tower location | Used to test existence of tower infrastructure in an area | TowerMaps | x | | x | | |
| | | | | | | | |
| Wireless carrier service | Existence of wireless service in an area. | American Roamer | x | | x | | x |