

The table below contains the description for each of the fields in the data files found at:
<http://www.broadband.gov/plan/deployment-cost-model.html>.

Field	Description
BEA	BEA ID
BEAName	BEA Name
CNTYIDFP	County FIPS Code
County	County Name
SumCBRds	Distance: (m) of roads
SumCBHwy	Distance: (m) of highways
SumCBArea	Area: (m ²)
SumHU	Housing Units
SumHH	Households
SumPop	Population
SumBusinessLocations	Number of Business Locations
SumBusinessEmployees	Number of Business employees
NonLonghaulFiberInBlock ¹	Is non longhaul fiber in the CB
NTIAUrban ¹	Urban as classified by NTIA
NTIARural ¹	Rural as classified by NTIA
SumAreaSqMi	Sum Area: (mi ²), from CBMaster (converted)
SumCntSch	Sum Count of Schools
SumCntCollege2Yr	Count of 2 year Colleges
SumCntCollege4Yr	Count of 4 year Colleges
SumCntHosp	Count of Hospitals
SumCntPolice	Count of Police Stations
SumCntFire	Count of Fire Stations
SumCntLib	Count of Libraries
SumCntSummary	Total National Purpose Location Count
ETCFundedArea ¹	Is area have a funded ETC?
SumNode4WorkingCust	Number of potential customers in CB
SumNode4WorkingCustRes	Potential Residential customers in CB. This may differ from SumHU based on census data vintage and network modeling.
SumCBRoadLength	Distance: (ft), from Distribution
SumCBHWCRRoadLength	Distance: (ft), from Distribution
SumDataRevenue	Estimated total Data Revenue in CB
SumTotalRevenue ²	Estimated Total Revenue in CB
SumTotalVoiceRevenue	Estimated total Voice Revenue in CB
SumVideoRevenue	Estimated total Vidoe Revenue in CB
SumNode0CloudEletronicsInvS ³	Investment for Node0 cloud electronics (driven by subscribers)
SumNode0ElectronicsInv2	Investment for Node0 termination electronics (driven by node 2 counts)
SumNode0ElectronicsInvB	Investment for Node0 termination electronics (driven by bandwidth)
SumNode0ElectronicsInvC	Investment for Node0 termination electronics (driven by customers)
SumNode0VideoEletronicsInvC	Investment for Node0 video termination electronics (driven by customers)
SumNode0VideoEletronicsInvS	Investment for Node0 video termination electronics (driven by subscribers)
SumNode0FcableInv0	Middle Mile Fiber cable investment
SumNode0AFStructureInv0	Middle Mile Aerial structure
SumNode0BFStructureInv0	Middle Mile Buried structure

Field	Description
SumNode0UFStructureInv0	Middle Mile Underground structure
SumNode0ElectronicsInv0	Middle Mile electronics
SumNode2AFStructureInv2	Investment for Node2 to Node0 Aerial Fiber Structure (Poles)
SumNode2BFStructureInv2	Investment for Node2 to Node0 Buried Fiber Structure (trench)
SumNode2CCableInv2	Investment for Node2 to Node0 copper cable, including termination gear (FDI)
SumNode2Electronics2	Investment for Node2 electronics (driven by placement of node2)
SumNode2ElectronicsInv2	Investment for Node2 electronics (typically driven by placement of node2: Represents DSLAM Frame for Wireline, Microwave for Wireless)
SumNode2ElectronicsInvB	Investment for Node2 electronics (typically driven by bandwidth: Represents Radio for Wireless)
SumNode2ElectronicsInvS	Investment for Node2 electronics (typicall driven by subscribers or structure: DSLAM cards for wireline, and Tower/hut and fiber electronics for wireless)
SumNode2FCableInv2	Investment for Node2 to Node0 fiber cable, including termination gear (driven by node2 placement)
SumNode2FCableInvL	Investment for Node2 to Node0 fiber cable, including termination gear (driven by locations)
SumNode2UFStructureInv2	Investment for Node2 to Node0 Underground Fiber Structure (conduit systems)
SumNode3ACStructureInvL	Investment for Node3 to Node2 Aerial Copper Structure (pole)
SumNode3AFStructureInvL	Investment for Node3 to Node2 Aerial Fiber Structure (pole)
SumNode3BCStructureInvL	Investment for Node3 to Node2 Buried Copper Structure (trench)
SumNode3BFStructureInvL	Investment for Node3 to Node2 Buried Fiber Structure (trench)
SumNode3CCableInvL	Investment for Node3 to Node2 Copper Cable
SumNode3FCableInvL	Investment for Node3 to Node2 Fiber Cable
SumNode3UCStructureInvL	Investment for Node3 to Node2 Underground Copper Structure (conduit systems)
SumNode3UFStructureInvL	Investment for Node3 to Node2 Underground Fiber Structure (conduit systems)
SumNode4CCableInvL	Investment in drop
SumNode4CPEInvS	Investment in customer premise gear
SumNode4CPEVideoInvS	Investment in customer premise video gear
SumNetworkOperationsPSOpex	Opex for Plant Specific Network Operations
SumNetworkOperationsNPSOpex	Opex for Non Plant Specific Network Operations
SumCustomerOperationsMktOpex	Opex for Customer Marketing Operations
SumServiceDeliveryOpex	Opex for Customer Service Delivery Operations
SumGenAdminOpex	Opex for General Administration Operations
SumBadDebtOpex	Opex for Bad Debt
SumCOGSOpex	Opex for the Cost of Good Sold (e.g., Content)
SumFranchiseFeeOpex	Opex for Franchise Fee
SumSpectrumOpex	Opex for Spectrum
SumContributionMargin ²	"Economic Profit" of an area. The present value of this monthly leveled amount is equal to the broadband availability gap.
SumTotalInvestment ²	Total Incremental investment attributed to CB in present value.
SumDEPR	Levelized monthly Depreciation Expense related to Investment
SumCOM	Levelized monthly Cost of Money related to Investment
SumTAX	Levelized monthly Income Tax related to Investment

Notes:

1 – When census blocks are aggregated to a larger area, e.g. the county level, the value for the area will be “No” unless all unserved census blocks in the area satisfy the condition.

2- The waterfall chart in Exhibit 1-B of *The Broadband Availability Gap* OBI Technical Paper No. 1 can be created by the following:

Initial capex = SumTotalInvestment

Ongoing costs = “Total cost” less “Initial Capex”

Total cost = Sum of “Investment gap” and “Revenue”

Revenue = -PV SumTotalRevenue

Investment gap = PV SumContributionMargin

3 - For a network diagram detailing Nodes 0-4, please refer to

<http://www.broadband.gov/plan/broadband-working-reports-technical-papers.html> and the Broadband Assessment Model documentation.