

CostQuest Locations Data Dictionary



Release Date: 06302024

Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Broadband Serviceable Locations	Location_id	Unique ID for the Fabric location.	Unique Key	Fabric Location	Int32
Broadband Serviceable Locations	Active	True indicates high confidence in broadband capability; False indicates no data available.	True/False	Fabric Location	Bit
Broadband Serviceable Locations	BSL_flag	Indicates if the Fabric record is broadband serviceable	True/False	Fabric Location	Bit

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Broadband Serviceable Locations	CountyFIPS	2020 County FIPS based on records latitude and longitude.	Federal Information Processing Standard	County	VarChar (5)
Broadband Serviceable Locations	BlockFIPS	2020 Census Block FIPS based on records latitude and longitude.	Federal Information Processing Standard	Census Block	VarChar (15)
Broadband Serviceable Locations	BlockFIPS_2010	2010 Census Block FIPS based on records latitude and longitude.	Federal Information Processing Standard	Census Block	VarChar (15)
Broadband Serviceable Locations	Latitude	Latitude coordinate of the Fabric location	Decimal degrees (WGS84)	5 digit precision	Decimal (11,8)

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Broadband Serviceable Locations	Longitude	Longitude of the fabric location	Decimal degrees (WGS84)	5 digit precision	Decimal (11,8)
Broadband Serviceable Locations	PointQuality	Quality of the spatial location.	Indicator (see definition)	Fabric Location	VarChar (25)
Broadband Serviceable Locations	Address_primary	Primary postal address	Indicator (see definition)	Fabric Location	VarChar (190)
Broadband Serviceable Locations	City	Postal address city name	Indicator (see definition)	Fabric Location	VarChar (50)

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Broadband Serviceable Locations	State	USPS State abbreviation	Indicator (see definition)	Fabric Location	VarChar (2)
Broadband Serviceable Locations	Postal_code	USPS Zip Code	Indicator (see definition)	Fabric Location	VarChar (5)
Broadband Serviceable Locations	Plus_4	USPS ZIP+4	Indicator (see definition)	Fabric Location	VarChar (4)
Broadband Serviceable Locations	LandUse	Land use designation estimated from county assessor information	Indicator (see definition)	Fabric Location	int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Broadband Serviceable Locations	unit_count	Estimated number of residential and non-residential units within location.	Count	Fabric Location	int32
Broadband Serviceable Locations	Building_type_code	Indicates the building type of Fabric Location.	Indicator (see definition)	Fabric Location	VarChar (1)
Broadband Serviceable Locations	h3_9	The H3 hex cell ID, resolution 9	Indicator (see definition)	Location	VarChar(20)
Broadband Serviceable Locations	AddressConfidence	Confidence in the association of the textual address with the BSL	Indicator (see definition)	Fabric Location	VarChar(6)

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Fiber Cost Model	FiberGreenfieldPassInv	Greenfield access Fiber investment.	US Dollars	Fabric Location	Real
Fiber Cost Model	FiberBrownfieldPassInv	Brownfield access Fiber Investment.	US Dollars	Fabric Location	Real
Fiber Cost Model	FiberSuccessBasedInv	Optical Network Terminal and Drop investment.	US Dollars	Fabric Location	Real
Fiber Cost Model	ftp_npv_greenfield	Greenfield Fiber network net present value.	US Dollars	Fabric Location	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Fiber Cost Model	ftp_npv_brownfield	Brownfield Fiber network net present value.	US Dollars	Fabric Location	Real
Fixed Wireless Cost Model	FWGreenfieldSitePerLocationReached	Greenfield Fixed Wireless Investment.	US Dollars	Fabric Location	Real
Fixed Wireless Cost Model	FWBrownfieldSitePerLocationReached	Brownfield Fixed Wireless Investment.	US Dollars	Fabric Location	Real
Fixed Wireless Cost Model	FWPerLocationSuccessBased	Fixed Wireless CPE Investment.	US Dollars	Fabric Location	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Fixed Wireless Cost Model	fw_npv_greenfield	Greenfield Fixed Wireless network NPV.	US Dollars	Fabric Location	Real
Fixed Wireless Cost Model	fw_npv_brownfield	Brownfield Fixed Wireless network NPV.	US Dollars	Fabric Location	Real
5G Model	5GCostProfile	The 5G cost profile for the area at the location.	Percentage	Fabric Location	Real
Take Rate	ResMarketShare	New Fiber entrant estimated residential market share.	Percentage	Census Block	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Take Rate	NonResMarketShare	New Fiber entrant estimated non-residential market share.	Percentage	Census Block	Real
Build Complexity Scoring	NetworkComplexityScoreGreenfield	Score indicating complexity to build greenfield Fiber.	Score	Fabric Location	Real
Build Complexity Scoring	NetworkComplexityScoreBrownfield	Score indicating complexity to build brownfield Fiber.	Score	Fabric Location	Real
Federally Funded	ProgramList	Federal subsidy program(s)	Indicator (see definition)	Fabric Location	VarChar (255)

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Federally Funded	AwardeeList	Identifies recipients of federal funding programs at the location, based on the Brandname field.	Indicator (see definition)	Fabric Location	VarChar (255)
Broadband Funding Map Coverage	wiredlfw_dl25_ul3_r_8	Location (un)covered by residential service providing 25x3 wired or licensed fixed wireless	Indicator (see definition)	Fabric Location	VarChar (1)
Broadband Funding Map Coverage	wiredlfw_dl100_ul20_r_9	Location (un)covered by residential service providing 100x20 wired or licensed fixed wireless	Indicator (see definition)	Fabric Location	VarChar (1)
Broadband Funding Map Coverage	wiredlfw_dl25_ul3_b_14	Location (un)covered by business service providing 25x3 wired or licensed fixed wireless	Indicator (see definition)	Fabric Location	VarChar (1)

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Broadband Funding Map Coverage	wiredlfw_dl100_ul20_b_15	Location (un)covered by business service providing 100x20 wired or licensed fixed wireless	Indicator (see definition)	Fabric Location	VarChar (1)
Building Statistics	BuildingHeight	Mean height above ground level associated with the location.	Feet	Fabric Location	Real
Building Statistics	RoofSlope	Mean roof slope of the structure	Degrees	Fabric Location	Real
Natural Hazards	coastalflood_frequency	Annualized frequency of coastal flooding events.	Days	Census Tract	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Natural Hazards	riverineflood_frequency	Annualized frequency of river flood events.	Days	Census Tract	Real
Natural Hazards	wildfire_probability	Probability of wildfire events in a year.	Probability	Census Tract	Real
Natural Hazards	winter_weather_frequency	Annualized frequency of winter weather events.	Days	Census Tract	Real
Natural Hazards	icestorm_frequency	Annualized frequency of ice storm events.	Days	Census Tract	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Natural Hazards	strongwind_frequency	Annualized frequency of strong wind events.	Days	Census Tract	Real
Natural Hazards	tornado_frequency	Annualized frequency of tornado events.	Events	Census Tract	Real
Natural Hazards	hurricane_frequency	Annualized frequency of hurricane events.	Events	Census Tract	Real
Natural Hazards	landslide_frequency	Annualized frequency of landside events.	Days	Census Tract	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Natural Hazards	earthquake_probability	Annualized frequency represents yearly earthquake events.	Probability	Census Tract	Real
Natural Hazards	tsunami_frequency	Annualized frequency of tsunami events.	Days	Census Tract	Real
Natural Hazards	avalanche_frequency	Annualized frequency of avalanche events causing loss.	Days	Census Tract	Real
Natural Hazards	volcano_frequency	Annualized frequency of volcano events.	Days	Census Tract	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Natural Hazards	coldwave_frequency	Annualized frequency of cold wave events.	Days	Census Tract	Real
Natural Hazards	drought_frequency	Annualized frequency of water drought events.	Days	Census Tract	Real
Natural Hazards	hail_frequency	Annualized frequency of hail events.	Days	Census Tract	Real
Natural Hazards	heatwave_frequency	Annualized frequency of heatwave events.	Days	Census Tract	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Natural Hazards	lightning_frequency	Annualized frequency of lightning events.	Days	Census Tract	Real
Demographics	CountyName	County Name	Indicator (see definition)	County	VarChar (100)
Demographics	RdMiles	Total road miles	Length Miles	Census Block	Real
Demographics	HwyMiles	Total highway miles	Length Miles	Census Block	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Demographics	AreaSqMiles	Total area in square miles	Area in Square Miles	Census Block	Real
Demographics	HU	Census Housing Units	Real Number	Census Block	Integer
Demographics	HH	Census Households	Real Number	Census Block	Integer
Demographics	Pop	Census Poplulation	Real Number	Census Block	Integer

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Demographics	TowerCount	Sum of towers	Count	Census Block	Int32
Demographics	FabricLocsPerSqMile	Density of Fabric Locations per square mile.	Fabric Locations per Square Mile	Census Block	Real
Demographics	FabricLocsPerRoadMile	Linear density of Fabric Locations per road mile.	Fabric Locations per Road Mile	Census Block	Real
Demographics	MedianIncome	Median Income of Households	US Dollars	Census Block Group	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Demographics	Pct0to17	Population percentage between 0 and 17 years of age	Percentage	Census Block Group	Real
Demographics	Pct18to24	Population percentage between 18 and 24 years of age	Percentage	Census Block Group	Real
Demographics	Pct25to39	Population percentage between 25 and 39 years of age	Percentage	Census Block Group	Real
Demographics	Pct40to54	Population percentage between 40 and 54 years of age	Percentage	Census Block Group	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Demographics	Pct55Plus	Population percentage over 55 years of age	Percentage	Census Block Group	Real
Demographics	AverageHouseholdSize	Average Household size	Household Members	Census Block Group	Real
Demographics	PctLessThanHSGrad	Population percentage with education less than high school	Percentage	Census Block Group	Real
Demographics	PctHSGradOrEquiv	Population percentage with high school education	Percentage	Census Block Group	Real

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Demographics	PctSomeCollegeOrAssociates	Population percentage with some college or associates degree education	Percentage	Census Block Group	Real
Demographics	PctBachelorDegOrHigher	Population percentage with Bachelor degree or more education	Percentage	Census Block Group	Real
Community Anchor Institutions	NonK12Schools	Number of locations identified as non-K-12 schools.	Count	Fabric Location	Int32
Community Anchor Institutions	Medical	Number of locations identified as medical.	Count	Fabric Location	Int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Community Anchor Institutions	Library	Number of locations identified as libraries.	Count	Fabric Location	Int32
Community Anchor Institutions	Government	Number of locations identified as government buildings.	Count	Fabric Location	Int32
Community Anchor Institutions	NonGovernment	Number of locations identified as non-government organizations.	Count	Fabric Location	Int32
Community Anchor Institutions	PublicSafety	Number of locations identified as public safety.	Count	Fabric Location	Int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Community Anchor Institutions	K12Schools	Number of locations identified as K-12 schools.	Count	Fabric Location	Int32
Community Anchor Institutions	EB	Number of locations identified as Entity Boundary records.	Count	Fabric Location	Int32
Community Anchor Institutions	AnchorTotal	Total of all CAI organizations within the corresponding FCC Fabric release.	Count	Fabric Location	Int32
BDC Landscape	BDC_Telco	Highest Telco speed tier available at location, as BDC disposition.	Indicator (see definition)	Fabric Location	Int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
BDC Landscape	BDC_TelcoProviders	Distinct id of concatenated Telco providers.	Indicator (see definition)	Fabric Location	VarChar (255)
BDC Landscape	BDC_Cable	Highest Cable speed tier available at location, expressed as BDC disposition.	Indicator (see definition)	Fabric Location	Int32
BDC Landscape	BDC_CableProviders	Distinct id of concatenated Cable providers.	Indicator (see definition)	Fabric Location	VarChar (255)
BDC Landscape	BDC_Fiber	Highest Fiber speed tier available at location, expressed as BDC disposition.	Indicator (see definition)	Fabric Location	Int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
BDC Landscape	BDC_FiberProviders	Distinct id of concatenated Fiber providers.	Indicator (see definition)	Fabric Location	VarChar (255)
BDC Landscape	BDC_FWLicensed	Highest licensed Fixed Wireless speed tier at location, expressed as BDC disposition.	Indicator (see definition)	Fabric Location	Int32
BDC Landscape	BDC_FWLicensedProviders	Distinct id of concatenated licensed Fixed Wireless providers.	Indicator (see definition)	Fabric Location	VarChar (255)
BDC Landscape	BDC_FWUnlicensed	Highest unlicensed Fixed Wireless speed tier at location, expressed as BDC disposition.	Indicator (see definition)	Fabric Location	Int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
BDC Landscape	BDC_FWUnlicensedProviders	Distinct id of concatenated unlicensed Fixed Wireless providers.	Indicator (see definition)	Fabric Location	VarChar (300)
BDC Landscape	BDC_Satellite	Highest Satellite speed tier available at location, expressed as BDC disposition.	Indicator (see definition)	Fabric Location	Int32
BDC Landscape	BDC_SatelliteProviders	Distinct id of concatenated Satellite providers.	Indicator (see definition)	Fabric Location	VarChar (255)
BDC Landscape	NTIAStatus	Highest speed tier available at location, expressed as BDC disposition.	Indicator (see definition)	Fabric Location	Int32

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Commercial Product Name	Column Name	Short Description	Unit of Measure	Minimum Scope	Data Type
Info	fcc_rel	FCC Fabric Release Date	Date	Fabric Release	VarChar(8)