

Tenant Schema

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
TenantNumber	integer	Yes			
CertificationType	CertificationType	Yes			
OtherDescription	string	No			
EffectiveDate	date	Yes	1111-11-11		
LIHTCQualificationDate	date	Yes	1111-11-11		

I. Development Data (Schema Name: DevelopmentData)

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
Agency	AgencyCode	Yes			
PropertyName	string	Yes			
PIN	string	Yes	ST-99-99*		
BIN	BINType	Yes	ST-99-99999*		
County	CountyName	Yes			
Address					
Urb (for use in Puerto Rico only)	AlphaNumericHyp	Puerto Rico Only			
Street (building street number and name)	AlphaNumericHyp	Yes			
City	AlphaNumericHyphenApostropheCity	Yes			
State	StateCode	Yes			
PostalCode	ZIP	Yes	99999		
UnitNumber	string	Yes			
Bedrooms	bedrooms	Yes			

Element Name

IsVacant	yesno	Yes	3		
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II. Household Composition (Schema Name: HouseholdComposition)

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
HHMbr	integer	Yes			
LastName	string	Yes	xxxx		
FirstName	string	Yes	xxxx		
MiddleInitial	string	No			
RelationshipToHeadOfHousehold	relationshipv	Yes	N		
DOB	date	Yes	1111-11-11		
IsStudent	yesno	Yes	3		
Last4DigitsOfSocialSecurityNo	last4ssn	Yes	0000		
Race1	racev	Yes	9		
Race2	racev	No			
Race3	racev	No			
Race4	racev	No			
Race5	racev	No			
Race6	racev	No			
Ethnicity	ethnic	Yes	9		
IsDisabled	yesnoMis	Yes	9		

III. Annual Income (Schema Name: GrossAnnualIncome_UseAnnualAmounts)

Removed

IV. Income from Assets (Schema Name: IncomeFromAssets)

Removed; 'Effective Date at LIHTC Certification' and 'Household Size at Certification' were moved to Part V.

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
V. Determination of Income Eligibility (Schema Name: DeterminationOfIncomeEligibility)					
TotalAnnualHouseholdIncomeFromAllSources_FromItem_L	posIntOptTotalL	No	-1	\$600,000	
EffectiveDateofIncomeCertification	date	Yes	1111-11-11		
HouseholdSizeAtCertification	posIntWith-1	Yes	-1		
PercentATHouseholdMeetsIncomeRestriction	ProgramPercent	Yes	9		
IncomeRestrictionBelowFederalMax	PProgramPercentOption	No			
CurrentIncomeLimitPerFamilySize	posIntOptWith-1	Yes	-1		
RecertificationOnly					
CurrentIncomeLimitWith140Percent	posIntWith-1	Yes	-1		
DoesHouseholdIncomeExceeds140PercentAtRecertification	yesno	Yes	3		
HouseholdIncomeAtQualificationDate	posIntWith-1	Yes	-1		
HouseholdSizeAtQualificationDate	posIntOptWith-1	Yes	-1		

VI. Rent (Schema Name: Rent)

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
TenantPaidRent	posIntOpt4KWith-1b	Yes	-99999	\$8,000	New Element Type, New Missing Code, Minimum Value of -\$2,000
UtilityAllowance	posIntOpt4KWith-1b	Yes	-99999	\$8,000	New Element Type, New Missing Code, Minimum Value of -\$2,000
OtherNonOptionalCharges	posIntOpt4KWith-1	Yes	-1	\$8,000	
GrossRentForUnit	posIntOpt4KWith-1b	Yes	-99999	\$8,000	New Element Type, New Missing Code, Minimum Value of -\$2,000
RentAssistance	posIntOpt4KWith-1b	Yes	-99999	\$8,000	New Element Type, New Missing Code, Minimum Value of -\$2,000
FederalRentAssistance	posIntOpt4KWith-1	Yes	-1	\$8,000	
SourceofRentAssistance	RentAssistance	if FederalRentAssistance=1	0		
NonFederalRentAssistance	posIntOpt4KWith-1b	Yes	-99999	\$8,000	New Element Type, New Missing Code, Minimum Value of -\$2,000
MaximumRentLimitForThisUnit	posIntOpt4KWith-1	Yes	-1	\$8,000	
PercentATUnitMeetsRentRestriction	ProgramPercent	Yes	9		
RentRestrictionBelowFederalMax	PProgramPercentOption	No			

VII. Student Status (Schema Name: StudentStatus)

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
Occupants					
FullTimeStudents	yesno	Yes	3		
StudentExplanation	studentExp	if FullTimeStudents=1	9		

VIII. Program Type (Schema Name: ProgramType)

Element Name	Element Type (format)	Required?	Missing Code	Maximum \$ Value	Change from Last Year?
TaxCredit	TaxCreditType	Yes			
HOME	yesno		3		
CDBG	yesno		3		
OtherHUD	yesno		3		
HTF	yesno		3		
USDA	yesno		3		
OtherStateLocal	yesno		3		

* For missing PIN or BIN, submit the state's 2-character postal code followed by all nines.

Description of Element Type (Format)

Format Type (Name)	Character Restriction	Values
AgencyCode	string	"AKHFC" "ALHFA" "ARDF" "AZDH" "CATCAC" "COHFA" "CTHFA" "DCHFA" "DCDHCD" "DESHA" "FLHFC" "GADCA" "GUHURA" "HIHFDC" "IAFA" "IDHFA" "ILHDA" "CHDHED" "INHCDA" "KSHRC" "KYHC" "LAHC" "MAHFA" "MADHCD" "MAD" "MDDHCD" "MESA" "MISHDA" "MNHFA" "MNSA" "MNMCPED" "MNR" "MNSCHRA" "MNSPHRA" "MNWCHRA" "MOHDC" "MSHC" "MPNMHC" "MTBH" "NCHFA" "NDHFA" "NEIFA" "NHHFA" "NJHMFA" "NMMFA" "NVHD" "NYSDHCR" "NYSHFA" "NYCHPD" "NYDANC" "NYCHDC" "OHFA" "OKHFA" "ORHCS" "PAHFA" "PRHFA" "RIH" "SCSHFDA" "SDHDA" "TNHDA" "TXDHCA" "UTHC" "VAHDA" "VIHFA" "VTHFA" "WASHFC" "WIHEDA" "WVHDF" "WYCD" "WYCD"
	date	YYYY-MM-DD
AHDPAMGIPercentage	string	50%="1"; 80%="3"; OI**="4"; missing="9"
AHDPPercentageLessthanEqualToAMGI	AMGIPercentage	
AlphaNumericHyp	string	Letters (upper and lower); numbers; hyphens; spaces
AlphaNumericHyphenApostropheCity	string	Letters (upper and lower), numbers, spaces, hyphens, apostrophes
AMGIPercentage	string	50%="1"; 60%="2"; Average Income%="3"; missing="9"
bedrooms	integer	"0" through "9" (if greater than 9 bedrooms, enter 9)
BINType	string	two-character postal state abbreviation; two-digit allocation year; five-digit numbering designation (hyphens may be inserted between postal code and allocation year, and between allocation year and building designation)
CertificationType	positiveInteger	Initial Certification = "1"; Recertification = "2"; Other = "3"
C_I_Type	positiveInteger	current(C)="1"; imputed(I)="2"
CountyName	string	*Do not include the word "County" or "Parish".
ethnic	string	Hispanic or Latino="1"; not Hispanic or Latino="2"; Tenant Did Not Respond = "3"; Missing/Not Collected = "9"
integerOpt	string	"0" to "9"
last4ssn	integer	"0000" to "9999"
PercentageLessThanEqualToAMGI	AMGIPercentage	
posIntOpt	string	"0" to "9"
posIntFlex	string	"0" to "9"
posIntTotalL (no longer used)	integer	Maximum of 300,000; missing or not collected="1"
posIntOptTotalL	integer	Maximum of 600,000; missing or not collected="1"
posIntWith-1	Integer	"0" to "9"; Missing/Not Collected = "1"
posIntOptWith-1	String	"0" to "9"; Missing/Not Collected = "1"
posIntOpt4KWith-1	integer	Maximum of 8,000; missing or not collected="1"; Minimum of -1,000
posIntOpt4KWith-1b	integer	Maximum of 8,000; missing or not collected="99999"; Minimum of -2,000
ProgramPercent	positiveInteger	20%="1"; 30%="2"; 40%="3"; 50%="4"; 60%="5"; 70%="6"; 80%="7"; missing="9"
PProgramPercent (no longer used)	positiveInteger	"0" to "60"
PProgramPercentOption	String	"0" to "60"
racev	String	White="1"; Black/African American="2"; American Indian/Alaska Native="3"; Asian="4" (Asian India="4a";

		Chinese="4b"; Filipino="4c"; Japanese="4d"; Korean="4e"; Vietnamese="4f"; Other Asian="4g"); Native Hawaiian/Other Pacific Islander="5" (Native Hawaiian="5a"; Guamanian or Chamorro="5b"; Samoan="5c"; Other Pacific Islander="5d"); Other="6"; Tenant Did Not Respond="8"; Missing/Not Collected ="9"
relationshipv	string	Head of Household="H"; Spouse="S"; Adult co-tenant="A"; Other family member="O"; Child="C"; Foster child or Foster Adult="F"; Live-in caretaker="L"; None of the above="N"
RentAssistance	string	HUD Multi-Family Project-Based Rental Assistance (PBRA)="1"; Section 8 Moderate Rehabilitation="2"; Public Housing Operating Subsidy="3"; HOME Rental Assistance="4"; HUD Housing Choice Voucher (HCV), tenant-based="5"; HUD Project-Based Voucher (PBV)="6"; USDA Section 521 Rental Assistance Program="7"; Other Federal Rental Assistance="8"; missing="0"
StateCode	string	"AK" "AL" "AS" "AR" "AZ" "CA" "CO" "CT" "DE" "DC" "FL" "GA" "GU" "HI" "IA" "ID" "IL" "IN" "KS" "KY" "LA" "MA" "MD" "ME" "MI" "MN" "MO" "MS" "MT" "NC" "ND" "NE" "NH" "NJ" "NM" "NV" "NY" "OH" "OK" "OR" "PA" "PR" "RI" "SC" "SD" "TN" "TX" "UT" "VA" "VI" "VT" "WA" "WI" "WV" "WY"
studentExp	string	TANF assistance="1"; Job Training Program="2"; Single parent/dependent child="3"; Married/joint return="4"; Previous Foster Care="5"; Building in Extended-Use Period="6"; missing="9"
TaxCreditType	positiveInteger	Allocated 4% = "1"; Allocated 9% = "2"; Tax-Exempt Bonds = "3"; Allocated 4% Acquisition and 9% Rehabilitation = "4"; missing = "9"
TaxPercentageLessthanEqualToAMGI	AMGIPercentage	
yesno	positiveInteger	yes ="1"; no ="2"; did not respond or missing = "3"
yesnoMis	positiveInteger	
ZIP	string	5-digit or 9-digit Zip Code

Property Schema

Element Name	Element Type (format)	Required?	Missing Code	Other Restriction	Change from Last Year?
State	StateCode	Yes			
AllocatingAgencyName	AgencyCode	Yes			
PIN	string	Yes	ST-99-99		
ProjectName	string	Yes			
Resyndication	yesno	Yes	3		
Previous PIN	string	If Resyndication, Yes			
ProjectAddress					
Urb (for use in Puerto Rico only)	string	Puerto Rico Only			
Street (include number and street)	string	Yes			
City	string	Yes			
State	StateCode	Yes			
Zipcode	ZIP	Yes	11111		
ScatteredSite	yesno	Yes	3		
BINAndBINAddress					
BIN	BINType	Yes	ST-99-99999		
BINAddress					
Street	string	Yes			
City	string	Yes			
Zipcode	ZIP	Yes	11111		
OwnersRepresentative					
Firstname	string	No			
Lastname	string	No			
CompanyName	string	No			
Street	string	No			
City	string	No			
State	StateCodeOwner	No			
Zip	ZIPOpt	No			
Telephone	phoneOpt	No			
AnnualTaxCreditsAllocated	integerWith-1	Yes	-1		
TotalUnits	integerWith-1	Yes	-1		
TotalUnitsBySize					
ZeroBR	integerWith-1	Yes	-1		
OneBR	integerWith-1	Yes	-1		
TwoBR	integerWith-1	Yes	-1		
ThreeBR	integerWith-1	Yes	-1		
FourOrMoreBR	integerWith-1	Yes	-1		
Total	integerWith-1	Yes	-1	Must equal sum of unit sizes	
LowIncomeUnits	integerWith-1	Yes	-1		
AffordabilityPeriod					
HasAffordabilityPeriod	yesno	Yes			
NumberOfYears	integerWith-1	If HasAffordabilityPeriod=1, Yes	-1		
ElectedIncomeCeilingForLowIncomeUnits					
PercentAMGI	AMGIPercentage	Yes	9		
RentsBelowTheElectedIncomeCeiling					
IsUnitsSetAside	yesno	Yes	3		
NumberOfUnits	integerOptWith-1	if IsUnitsSetAside=1	-1		
YearPlacedInService	year	Yes	1911		

YearProjectReceivedAllocationOrBondIssued	year	Yes	1911		
Type	type	Yes	9		
CreditPercentage	CreditPercentage	Yes	9		
LIHTCproject					
HasNonProfitSponsor	yesno	Yes	3		
HasQualifiedCensusTractDifficultDevelopmentAreaOrHERA _BasedDesignation	yesno	Yes	3		
HasTaxExemptBondFinancing	yesno	Yes	3		
HUDMFFinancingorRA					
HasHUDMFFinancingorRA	yesno	Yes	3		
HUDPropertyID	HUDPropertyID	if HasHUDMFFinancingorRA =1	899999999		
FmHA_Section514Loan					
Has514Loan	yesno	Yes	3		
RDLoanNumber_514	LoanNumber	if Has514Loan=1	seventeen 9's		
FmHA_Section515Loan					
Has515Loan	yesno	Yes	3		
RDLoanNumber_515	LoanNumber	if Has515Loan=1	seventeen 9's		
FmHA_Section538Loan					
Has538Loan	yesno	Yes	3		
RDLoanNumber_538	Loan538Number	if Has538Loan=1	eleven 9's		
HOMEFunds					
HasHOMEFunds	yesno	Yes	3		
HOMEFundsDollarAmount	integerOptWith-1	if HasHOMEFunds=1	-1		
IDISActivitID	integerOptWith-1Max5	if HasHOMEFunds=1	-1		
TCAPFunds					
HasTCAPFunds	yesno	Yes	3		
TCAPFundsDollarAmount	integerOptWith-1	if HasTCAPFunds=1	-1		
IDISActivitID	integerOptWith-1Max5	if HasTCAPFunds=1	-1		
TCEPFunds					
HasTCEPFunds	yesno	Yes	3		
TCEPDollarAmount	integerOptWith-1	if HasTCEPFunds=1	-1		
CDBGFunds					
HasCDBGFunds	yesno	Yes	3		
CDBGFundsDollarAmount	integerOptWith-1	if HasCDBGFunds=1	-1		
IDISActivitID	integerOptWith-1Max5	if HasCDBGFunds=1	-1		
HTFFunds					
HasHTFFunds	yesno	Yes	3		
HTFFundsDollarAmount	integerOptWith-1	if HasHTFFunds=1	-1		
FHAOrRiskSharingloan					
HasFHALoan	yesno	Yes	3		
FHALoanNumber	FHANumber	if HasFHALoan=1	11111111		

HOPE_VI_development					
IsFormPartOfHOPE	yesno	Yes	3		
HOPEDollarAmount	integerOptWith-1	if IsFormPartOfHOPE=1	-1		
ParticipantinRAD	yesno		3		
OpportunityZoneInvestmentFunds					
HasOpportunityZoneInvestmentFunds	yesno	Yes	3		
OpportunityZoneInvestmentFundsDollarAmount	integerOptWith-1	if HasOpportunityZoneInvestmentFunds=1	-1		
SpecificPopulation					
IsTargettingSpecificPopulation	yesnoOpt	No			
Families	yesnoOpt	No			
Elderly	yesnoOpt	No			
Disabled	yesnoOpt	No			
Homeless	yesnoOpt	No			
Other	yesnoOpt	No			
OtherName	string	No			
ProjectBasedRentalAssistanceContract	RentalAssistanceContract	Yes	9		
Section8ContractNumber	Section8Number	Yes if ProjectBasedRentalAssistanceContract=1 or 3			

Description of Element Type (Format)

Format Type (Name)	Character Restriction	Values
AgencyCode	string	"AKHFC" "ALHFA" "ARDF" "AZDH" "CATCAC" "COHFA" "CTHFA" "DCHFA" "DCDHCD" "DESHA" "FLHFC" "GADCA" "GUHURA" "HIHFDC" "IAFA" "IDHFA" "ILHDA" "CHDHED" "INHCD" "KSHRC" "KYHC" "LAHC" "MAHFA" "MADHCD" "MAD" "MDDHCD" "MESA" "MISHDA" "MNHFA" "MNSA" "MNMCPED" "MNR" "MNSCHRA" "MNSPHRA" "MNWCHRA" "MOHDC" "MSHC" "MPNMHC" "MTBH" "NCHFA" "NDHFA" "NEIFA" "NHHFA" "NJHMFA" "NMMFA" "NVHD" "NYSIDHCR" "NYSIFA" "NYCHPD" "NYDANC" "NYCHDC" "OHFA" "OKHFA" "ORHCS" "PAHFA" "PRHFA" "RIH" "SCSHFDA" "SDHDA" "TNHDA" "TXDHCA" "UTHC" "VAHDA" "VIHFA" "VTHFA" "WASHFC" "WIHEDA" "WVHDF" "WYCDA"
AMGIPercentage	positiveInteger	50%="1"; 60%="2"; Average Income="3"; missing="9"
BINType	string	two-character postal state abbreviation; two-digit allocation year; five-digit numbering designation (hyphens may be inserted between postal code and allocation year, and between allocation year and building designation)
CreditPercentage	positiveInteger	4%="1"; 9%="2"; both="3"; missing="9"
FHANumber	string	8-character number, beginning with "0" or "1"
HUDPropertyID	string	9-character number, beginning with "8"
integerWith-1	string	Non-negative numbers and Negative One, "-1"
integerOpt	string	Non-negative numbers
integerOptWith-1	string	Non-negative numbers and Negative One, "-1"
integerOptWith-1Max5	string	Non-negative numbers and Negative One, "-1"
Loan538Number	string	11-character loan number
LoanNumber	string	17-character loan number (2-digit state code plus 3-digit county code plus 9-digit borrower ID plus 3-digit project number)
phoneOpt	string	10-digit number with hyphens
RentalAssistanceContract	positiveInteger	Federal="1"; State="2"; Federal and State="3"; Neither="4"; Missing="9"
Section8Number	String	Eleven-character number (2-character state postal abbreviation plus 2-digit field office code, 1-character program code, 3-digit contract administrator code, and 3-digit sequence number).
StateCode	string	"AL" "AK" "AS" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FM" "FL" "GA" "GU" "HI" "ID" "IL" "IN" "IA" "KS" "KY" "LA" "ME" "MH" "MD" "MA" "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH" "NJ" "NM" "NY" "NC" "ND" "MP" "OH" "OK" "OR" "PW" "PA" "PR" "RI" "SC" "SD" "TN" "TX" "UT" "VT" "VI" "VA" "WA" "WV" "WI" "WY"
StateCodeOwner	string	(null) "AL" "AK" "AS" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FM" "FL" "GA" "GU" "HI" "ID" "IL" "IN" "IA" "KS" "KY" "LA" "ME" "MH" "MD" "MA" "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH" "NJ" "NM" "NY" "NC" "ND" "MP" "OH" "OK" "OR" "PW" "PA" "PR" "RI" "SC" "SD" "TN" "TX" "UT" "VT" "VI" "VA" "WA" "WV" "WI" "WY"
type	positiveInteger	New Construction="1"; Acquisition and Rehab="2"; Both New and A/R="3"; Missing="9"
year	string	YYYY
yesno	positiveInteger	yes ="1"; no ="2"; missing = "3"
yesnoOpt	string	yes ="1"; no ="2"
ZIP	string	5- and 9-digit Zip code
ZIPOpt	string	5- and 9-digit Zip code

Properties No Longer Monitored Schema

Element Name	Element Type (format)	Required?	Missing Code	Other Restriction	Change from Last Year?
NoLongerMonitored					
NM_ProjectName	string	No			
NM_PIN	string	No			
NM_HUD_ID	NonemptyString	No			
NM_Street	string	No			
NM_City	string	No			
NM_State	StateCodeOpt	No			
NM_Zipcode	ZIPOpt	No			
NM_ReasonForNLMCompliance					
ReasonForNLMCompliance	Reason	Yes			
OtherDesc	string				

Description of Element Type (Format)

Format Type (Name)	Character Restriction	Values
Reason	positiveInteger	Completed Extended-Use Period="1"; Sale Under Qualified Contract="2"; Duplicate Record="3"; other="4"
StateCodeopt	string	"AL" "AK" "AS" "AZ" "AR" "CA" "CO" "CT" "DE" "DC" "FM" "FL" "GA" "GU" "HI" "ID" "IL" "IN" "IA" "KS" "KY" "LA" "ME" "MH" "MD" "MA" "MI" "MN" "MS" "MO" "MT" "NE" "NV" "NH" "NJ" "NM" "NY" "NC" "ND" "MP" "OH" "OK" "OR" "PW" "PA" "PR" "RI" "SC" "SD" "TN" "TX" "UT" "VT" "VI" "VA" "WA" "WV" "WI" "WY"
ZIPOpt	string	5- and 9-digit Zip code