HPD Open Data

Buildings

Pursuant to New York City's Housing Maintenance Code, the Department of Housing Preservation and Development (HPD) collects information on multiple dwellings in New York City, and other buildings that fall under its jurisdiction. HPD's Buildings Open Data covers all buildings which meet any of the following criteria:

    a. HPD has required the owner to register the building under the Housing Maintenance Code (HMC)
    b. HPD has initiated a litigation action under the HMC
    c. HPD has received a complaint for the building
    d. HPD has initiated a work order for the purposes of emergency repair, demolition, or the Alternative Enforcement Program (AEP) for the building
    e. HPD has added the property to the AEP program

This building information in this file will be updated monthly. The first file is being published in March 2013.

A change was implemented starting with the file available on August 1, 2014. The format of the pipe-delimited files was changed to include the numeric value assigned to LookupValue elements. For more details, see the description of the pipe-delimited files at the end of this document.

Buildings are identified by a BuildingID.

Data Dictionary

The Building information is provided in two formats: XML and pipe-delimited values text.

XML File Format

The XML file is named Buildingsyyyymmdd.xml, where the date indicates the last day of the quarter covered by the file. Schema files defining the XML format are included in the zip package containing this file. The root schema file is called "services.hpd.gov.xsd". The XML structure is pretty simple, containing the following major elements

BuildingOpenData
      Description – a brief description of the data set
      InformationURL – an url where related information can be found
      SourceAgency – the agency providing the data (HPD)
      SourceSystem – the agency's system for managing the data
      StartDate – the last day of the quarter covered by the file
      EndDate – empty

Buildings
    Building (one or more)
        <multiple elements; see below>

The BuildingOpenData element is the root element and contains some descriptive elements as well as the Buildings collection, which contains Building elements. Each Building element contains elements about the building.

BuildingOpenData Element

Element Name	Data Type	Description
Description	String	a brief description of the data set
InformationURL	String	a URL where related information can be found
SourceAgency	String	the agency providing the data (HPD)
SourceSystem	String	the agency's system for managing the data
StartDate	dateTime	the date the file was generated
EndDate	dateTime	empty

Building Element

Element Name	Data Type	Description
BuildingID	long	Unique identifier of building
Boro	LookupValue	Address information for the building (see below for Boro)
HouseNumber	String	
LowHouseNumber	String	
HighHouseNumber	String	
StreetName	String	
Zip	String	
Block	int	Tax block for building
Lot	int	Tax lot for building
BIN	long	DCP Building Identification Number for building
CommunityBoard	long	Unique number identifying a Community District/Board, which is a political geographical area within a borough of the City of NY
CensusTract	String	Geographic area defined by the U.S. Census Bureau for the various decennial censuses
ManagementProgram	String	Contains the current active management program which determines who is responsible for the management of this building

DoBBuildingClass	LookupValue	Stores DoB building classification codes as augmented by HPD for other than Multiple Dwellings (see DoBBuildingClass below)
LegalStories	int	Number of legal stories in building
LegalClassA	int	The number of apartments in a multiple dwelling
LegalClassB	int	The number of rooms in a multiple dwelling without individual baths and kitchens
RegistrationID	long	Multiple dwelling registration number, used by HPD in the master building file to identify a building
LifeCycle	BuildingLifeCycle enum	The stage in the building life cycle (see BuildingLifeCycle below)
RecordStatus	LookupValue	The numeric value of the status of this building (see REC_STTS below)

Boro LookupValue Element

Element Name	Data Type	Description
GroupName	String	"Boro"
SeqNo	Long	Boro code (1 = Manhattan, 2 = Bronx, 3 = Brooklyn, 4 = Queens, 5 = Staten Island)
ShortName	String	"MN", "BX", "BK", "QN", "SI"
LongName	String	"Manhattan", "Bronx", "Brooklyn", "Queens, "Staten Island"
Order	Int	Not applicable

DoBBuildingClass LookupValue Element

Element Name	Data Type	Description
GroupName	String	"DoBBuildingClass"
SeqNo	Long	Building Class code
ShortName	String	Building class abbreviated name
LongName	String	Building class full name
Order	Int	Not applicable

REC_STTS LookupValue Element

Element Name	Data Type	Description
GroupName	String	"REC_STTS"
SeqNo	Long	code (1 = Active, 2 = Inactive, 3 = Pending

ShortName	String	"Active", "Inactive", "Pending"
LongName	String	"Active", "Inactive", "Pending"
Order	Int	Not applicable

BuildingLifeCycle Enum

Land
Planned
Building
Demolished
Under Construction

Pipe-Delimited Values File Format

The pipe-delimited values text file is named Buildingsyyyymmdd.txt, where the date indicates the last day of the quarter covered by the file. The pipe-delimited values text file contains as columns the elements of the Building element listed above. The only difference in the column contents is that for elements defined as LookupValues, only the numeric value (starting with the August 1, 2014 release) and the long name appear in the file. The first record in each file has the column headers. For elements defined as LookupValues there will be two columns. The first contains the numeric value (SeqNo in the XML file); its column header is the element name concatenated with "ID". The second contains the long name; its column header is the element name. Note that the BuildingOpenData element does NOT appear in the pipe-delimited values text file.