

# New York State Building Footprints



## Tags

buildings, infrastructure, planning, hazards

## Summary

To provide a complete set of building footprints for New York State with attributes describing potential impact from FEMA 100- and 500- year floods.

## Description

The set of building footprints was created with support from the New York State Energy Research and Development Authority (NYSERDA). It was assembled from a variety of sources and integrated with critical infrastructure data and current tax parcel data. It was then evaluated for potential impact from the FEMA 100- and 500-year floods.

## Credits

CIESIN, contributing GIS offices, New York Office of Information Technology Services, Microsoft

## Use limitations

The data are provided "as is" and without any warranty or guarantee as to their accuracy or completeness. By use of the data, the entire risk associated with use and results of these data and maps is assumed by the user. Under no circumstances, including but not limited to negligence, shall the creators of the data be liable for any direct, indirect, incidental, special, or consequential damages.

## Extent

West -79.996913 East -71.450261  
North 45.0222739 South 40.385784

## Scale Range

Maximum (zoomed in) 1:5,000  
Minimum (zoomed out) 1:150,000,000

## ArcGIS Metadata

### Topics and Keywords

\* CONTENTTYPE Downloadable Data  
EXPORT TO FGDC CSDGM XML FORMAT AS RESOURCE DESCRIPTION No

Hide Topics and Keywords

## Citation

TITLE New York State Building Footprints

PRESENTATION FORMATS \* digital map

## Citation Contacts

RESPONSIBLE PARTY

ORGANIZATION'S NAME CIESIN

CONTACT'S ROLE distributor

CONTACT INFORMATION

E-MAIL ADDRESS [nyserda@ciesin.columbia.edu](mailto:nyserda@ciesin.columbia.edu)

## Resource Details

### Extents

EXTENT

GEOGRAPHIC EXTENT

BOUNDING RECTANGLE

EXTENTTYPE Extent used for searching

WEST LONGITUDE -79.996913

EAST LONGITUDE -71.450261

NORTH LATITUDE 45.0222739

SOUTH LATITUDE 40.385784

\* EXTENT CONTAINS THE RESOURCE Yes

## Resource Points of Contact

POINT OF CONTACT

ORGANIZATION'S NAME CIESIN

CONTACT'S ROLE distributor

E-MAIL ADDRESS [nyserda@ciesin.columbia.edu](mailto:nyserda@ciesin.columbia.edu)

## Resource Maintenance

RESOURCE MAINTENANCE

UPDATE FREQUENCY irregular

## Resource Constraints

CONSTRAINTS

LIMITATIONS OF USE

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limited to negligence, shall the creators of the data be liable for any direct, indirect, incidental, special, or consequential damages.

## Spatial Reference

### ARCGIS COORDINATE SYSTEM

- \* TYPE **Projected**
- \* GEOGRAPHIC COORDINATE REFERENCE **GCS\_North\_American\_1983**
- \* PROJECTION **NAD\_1983\_UTM\_Zone\_18N**
- \* COORDINATE REFERENCE DETAILS
  - PROJECTED COORDINATE SYSTEM
    - WELL-KNOWN IDENTIFIER **26918**
    - X ORIGIN **-5120900**
    - Y ORIGIN **-9998100**
    - XY SCALE **450445547.3910538**
    - Z ORIGIN **-100000**
    - Z SCALE **10000**
    - M ORIGIN **-100000**
    - M SCALE **10000**
    - XY TOLERANCE **0.001**
    - Z TOLERANCE **0.001**
    - M TOLERANCE **0.001**
    - HIGH PRECISION **true**
    - LATEST WELL-KNOWN IDENTIFIER **26918**
    - WELL-KNOWN TEXT PROJCS["NAD\_1983\_UTM\_Zone\_18N",GEOGCS["GCS\_North\_American\_1983",DATUM["D\_North\_American\_1983",SPHEROID["GRS\_1980",6378137.0,298.257222101]],PRIMEM["Greenwich",0.0],UNIT["Degree",0.0174532925199433]],PROJECTION["Transverse\_Mercator"],PARAMETER["False\_Easting",500000.0],PARAMETER["False\_Northing",0.0],PARAMETER["Central\_Meridian",-75.0],PARAMETER["Scale\_Factor",0.9996],PARAMETER["Latitude\_Of\_Origin",0.0],UNIT["Meter",1.0],AUTHORITY["EPSG",26918]]

### REFERENCE SYSTEM IDENTIFIER

DIMENSION **horizontal**  
VALUE **26918**

## Spatial Data Properties

### ARCGIS FEATURE CLASS PROPERTIES

- \* FEATURE TYPE **Simple**
- \* GEOMETRY TYPE **Polygon**
- \* HAS TOPOLOGY **FALSE**
- \* SPATIAL INDEX **TRUE**
- \* LINEAR REFERENCING **FALSE**

## Fields

### FIELD FID

- \* ALIAS **FID**
- \* DATA TYPE **OID**
- \* WIDTH **4**
- \* PRECISION **0**
- \* SCALE **0**

### FIELD DESCRIPTION

**Internal feature number.**

### DESCRIPTION SOURCE

**Esri**

### DESCRIPTION OF VALUES

Sequential unique whole numbers that are automatically generated.

**FIELD SHAPE**

- \* ALIAS Shape
- \* DATA TYPE Geometry
- \* WIDTH 0
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

Feature geometry.

**DESCRIPTION SOURCE**

Esri

**DESCRIPTION OF VALUES**

Coordinates defining the features.

**FIELD BuildingID**

- ALIAS Building ID
- \* DATA TYPE String
- \* WIDTH 25
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

A unique building identifier consisting of the county fips code, an underscore, and sequential unique integers

**FIELD CountyName**

- ALIAS County Name
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

The name of the county

**DESCRIPTION SOURCE**

NYS Office of Information Technology Services GIS Program Office (GPO)

**FIELD MuniName**

- ALIAS Municipality Name
- \* DATA TYPE String
- \* WIDTH 50
- \* PRECISION 0
- \* SCALE 0

**FIELD DESCRIPTION**

The name of the municipality

**DESCRIPTION SOURCE**

NYS Office of Information Technology Services GIS Program Office (GPO)

**FIELD Source**

- ALIAS Data Source

- \* DATA TYPE String
- \* WIDTH 100
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The data source of the feature: NYS Digital Orthoimagery, NYS ITS LiDAR: <name of LiDAR project>, or organization that provided the footprints

FIELD SourceID

ALIAS Source ID

- \* DATA TYPE String
- \* WIDTH 100
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The ID for the source of each feature: orthoimagery tile ID, LiDAR tile ID, or any ID included with a downloaded data source

FIELD SourceDate

ALIAS Source Date

- \* DATA TYPE String
- \* WIDTH 10
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The year of the data used to create the feature: orthoimagery date, LiDAR date, or date the downloaded data was created

FIELD RoofType

ALIAS Roof Type

- \* DATA TYPE Integer
- \* WIDTH 5
- \* PRECISION 5
- \* SCALE 0

FIELD DESCRIPTION

Type of roof of each feature (peaked, flat, unknown, null)

LIST OF VALUES

VALUE 0

DESCRIPTION Unknown

VALUE 1

DESCRIPTION Flat

VALUE 2

DESCRIPTION Peaked

FIELD InfrType

ALIAS Critical Infrastructure Type

- \* DATA TYPE String
- \* WIDTH 100
- \* PRECISION 0
- \* SCALE 0

FIELD DESCRIPTION

The type(s) of critical infrastructure of the building - multiple types are separated by commas

FIELD OccClass

ALIAS Occupancy Class

\* DATA TYPE String

\* WIDTH 10

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

FEMA Hazus-MH occupancy class

FIELD FFE

ALIAS First Floor Elevation

\* DATA TYPE Double

\* WIDTH 10

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Imputed first-floor elevation

FIELD LossCat100

ALIAS Loss Category 100-year

\* DATA TYPE String

\* WIDTH 15

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Category of loss from FEMA 100-year flood (None, Slight, Moderate, Substantial)

FIELD LossCat500

ALIAS Loss Category 500-year

\* DATA TYPE String

\* WIDTH 15

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Category of loss from FEMA 500-year flood (None, Slight, Moderate, Substantial)

FIELD Adaptation

ALIAS Flood adaptation

\* DATA TYPE String

\* WIDTH 15

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Flood adaptation option(s) for building of specific occupancy class

FIELD AdptSource

ALIAS Adaptation source

\* DATA TYPE String

\* WIDTH 15

\* PRECISION 0

\* SCALE 0

FIELD DESCRIPTION

Source of adaptation option(s)