



**Homeland Security
and Emergency Services**

BUILDING INFORMATION AND LAND-USE DATASET (BILD) 1.0: Final Dataset Review

MitigateNY: Multi-Agency Engagement Meeting

Introduction

This is the **Final acceptance meeting** for BILD.

Thank you for your participation in this process!

Meeting Overview

- Availability
- Dataset Inclusion, Attributes, and Format
- Final Report
- Future of BILD

How to Download and Other Analyses

Columns 140

COLUMN	DESCRIPTION
Year Built <i>(integer)</i>	Year Built
# of Parcels <i>(integer)</i>	Number of parcels that intersect with the building polygon
Parcel ID <i>(array)</i>	An array of all parcels that intersect with a building footprint polygon
Property Class <i>(string)</i>	Property class; NYS: 3-digit Property Class Code: http://www.tax.ny.gov/research/property/assess/manuals/prclas.htm
Municipality Parcel ID <i>(string)</i>	Parcel ID from the Municipality
County Name <i>(string)</i>	County Name
Municipality Name <i>(string)</i>	Municipality Name
Building Style <i>(string)</i>	Building Style code (residential). NYC Only: 2-digit Building Class code (https://www1.nyc.gov/assets/finance/jump/hlpbldgcode.html)
Property Classes <i>(string)</i>	Property class types associated with all parcels which intersect the building polygon
Parcel Address <i>(string)</i>	Physical address of the parcel: building number and street name
County Names <i>(string)</i>	All county names associated with all parcels which intersect the building polygon
Municipality Names <i>(string)</i>	All municipality names associated with all parcels which intersect the building polygon
Years Built <i>(string)</i>	All information about year built associated with all parcels which intersect the building polygon
School Name <i>(string)</i>	School District name associated with the building
Sewer Type <i>(string)</i>	Sewer type description

[see more](#)

Versions

VERSION ID	USER	UPLOADED	DOWNLOAD
2023 Parcels		04/02/2025, 12:11:19	Download 

BILD Availability

Methods for review

- <https://buildings.mitigateny.org>
 - Excel (csv)
 - Shapefile
- https://buildings.mitigateny.org/about_bild/bild_1_0

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BILD Download

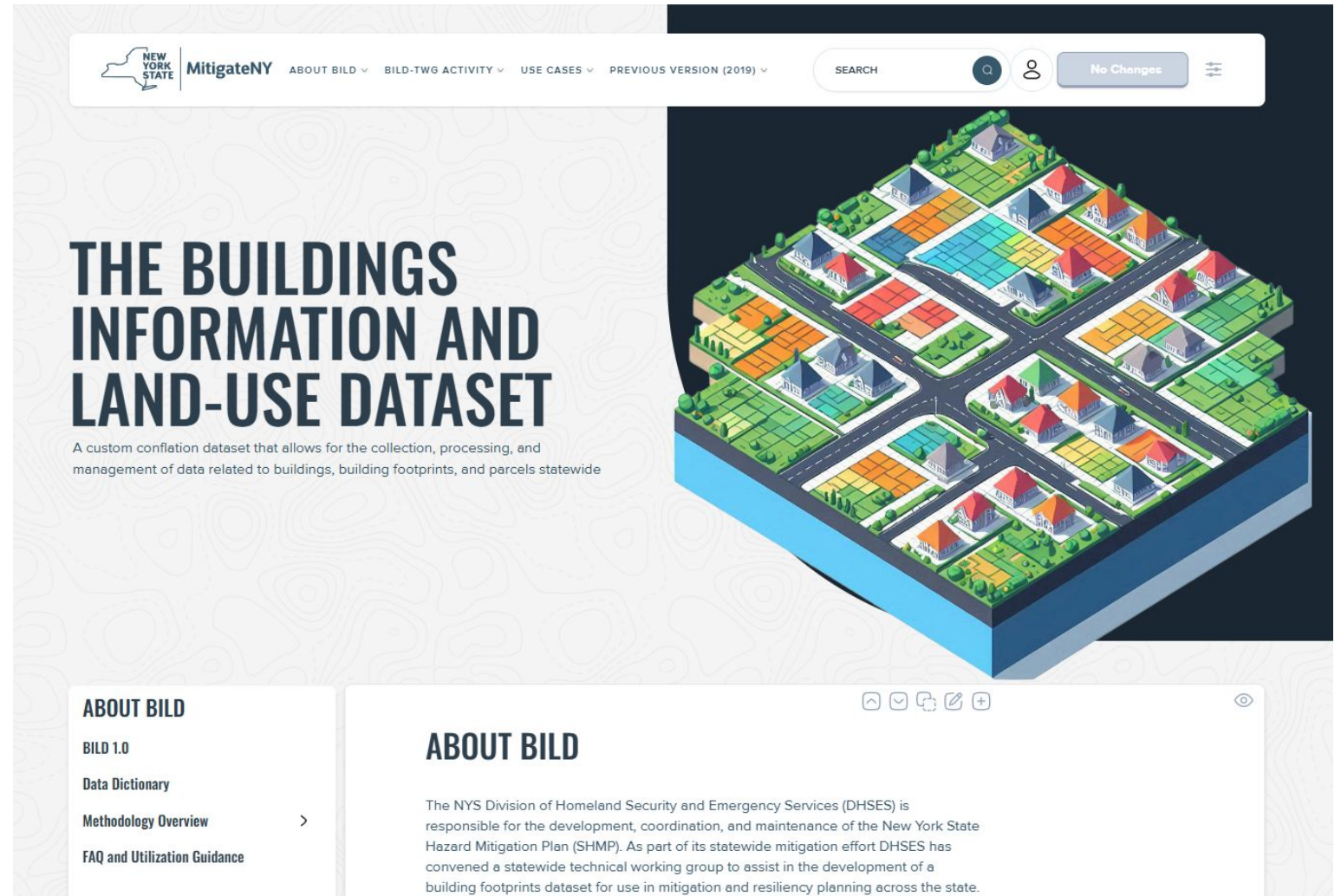
- This dataset is very large, and only available to download for the entire State of New York. Filtered downloads are not supported.
- The data requires sufficient computer hardware and GIS technical skills to open, filter and resave to smaller subsets.

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BILD Data Completeness

Missing data should be expected. Data coverage by attribute is not 100%. Even within the ITS Tax parcels dataset, many attributes have less than 100% coverage. For instance, “use_type” only applies to commercial properties.

Tour of the BILD Site



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BILD Site

Website Overview

- Home Page - Data Download
- About BILD
 - Methodology
 - Data Dictionary
 - FAQ and Utilization Guidance
- Previous 2019 Version
- Working Group and Focus Group Summaries
- Example Use Cases

BILD Final Report

Buildings in the Floodplain

100 Year (1%)

305.8K

NUMBER OF BUILDINGS IN THE 100 YEAR FLOODPLAIN

\$46.6B

VALUE OF BUILDINGS IN THE 100 YEAR FLOODPLAIN

500 Year (0.2%)

178.2K

NUMBER OF BUILDINGS IN THE 500 YEAR FLOODPLAIN

\$31.4B

VALUE OF BUILDINGS IN THE 500 YEAR FLOODPLAIN

BILD Final Report

State-Owned Buildings

24.6K

NUM_BUILDINGS

\$32.3B

BUILDING FULL MARKET VALUE

Top 10 State-Owned Buildings by Value, by Agency

NYS AGENCY NAME	NUM_BUILDINGS	BUILDING FULL MARKET VALUE
New York State- SUNY	4.1 K	\$ 14.4 B
New York State	2.4 K	\$ 6.4 B
New York State- DOCCS	2.8 K	\$ 3.4 B
New York State- OPRHP	4.9 K	\$ 2.1 B
New York State- DOT	1.5 K	\$ 1.1 B
New York State,New York State- SUNY	107	\$ 854.1 M
New York State- OMH	840	\$ 742.6 M
New York State- Thruway Authority	367	\$ 739.2 M
New York State- DEC	3.1 K	\$ 710.3 M
New York State- ITS,New York State- SUNY	6	\$ 700.3 M

BILD Final Report

Critical Infrastructure Buildings

7.0M

CRITICAL BUILDINGS

\$324.2B

FULL MARKET VALUE OF CRITICAL INFRASTRUCTURE

Top 10 Critical Infrastructure Types by Value

HIFLD FCODE	NUM_BUILDINGS	BUILDING FULL MARKET VALUE
Communication Tower	91.8 K	\$ 71.4 B
Commercial or Retail Facility	16.9 K	\$ 23.2 B
College / University	8.5 K	\$ 19.8 B
Warehouse (Retail / Wholesale)	31.9 K	\$ 14.4 B
House of Worship	23.5 K	\$ 12.9 B
Elementary School	10.0 K	\$ 11.0 B
Manufacturing Facility	19.0 K	\$ 10.8 B
Nursing Home / Long Term Care	7.5 K	\$ 10.1 B
Corporate Headquarters	6.5 K	\$ 10.0 B
Day Care Facility	64.7 K	\$ 9.8 B

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Datasets included in BILD 1.0

- Daylight Buildings
- NYS ITS Building Footprints
- OpenStreetMap Building Footprints
- Mapbox terrain Digital Elevation Map (DEM)
- AVAIL Custom Floodplain Map
- NYS Tax Parcels 2023
- Historic Registered Places
- Office of Real Property Tax Services (ORPTS)
Assessments Datasets
 - Residential
 - Commercial
 - Commercial Industrial
- HIFLD Datasets (next slide)

BILD Attributes

BILD has 100 building characteristic and land use data points for each footprint including replacement value, property class, and many others.

[Data Dictionary](#)

Future of BILD

Updates and Maintenance

Annual updates are optimal to maintain data freshness and the continuity of a longitudinal data product. DHSES plans to update the BILD dataset once more in 2025. A maintenance plan for BILD beyond the *MitigateNY* project (2026) is currently under consideration. If your agency is interested in the future of BILD, please reach out to elizabeth.oreilly@dhSES.ny.gov.

Scenario Tools

As part of *MitigateNY 2.0*, AVAIL will develop scenario mapping tools which visualize BILD in relationship with other risk and vulnerability datasets at the county level. These tools are designed to support hazard mitigation planning. DHSES expects to launch this tool in Q3 2025; however, technical assistance for most users will likely be limited at this time. Technical guidance will be developed in 2026.

Conclusion

Thank you for your participation and expertise!

Contact Info & Data Access



MitigateNY

ACCESS MNY

SHMP: mitigateny.org

BILD: buildings.mitigateny.org

Email: your email address
Password: BILD!



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