

SAMPLE



CLIMATE FUTURE SCORE
Property Dashboard

SAMPLE

Address

138 Eagle St.
Albany, New York 12202

MLS
N/A



Year Built:
1860

Community Founded:
1832

Census Tract

MSA/MD Code 10580

State Code 36

County Code 001

Tract Code 0023.00

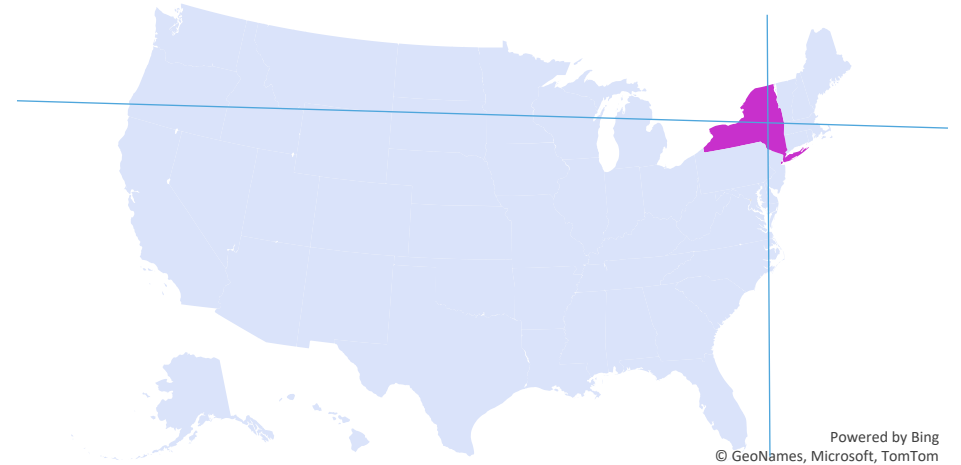
MSA/MD Name

ALBANY-
SCHENECTADY-TROY,
NY

Location

Latitude
42.646610

Longitude
-73.760230



Powered by Bing
© GeoNames, Microsoft, TomTom

Google Maps Code J6WQ+MM Albany, New York

Watershed

Local: Hackett
Regional: Hudson

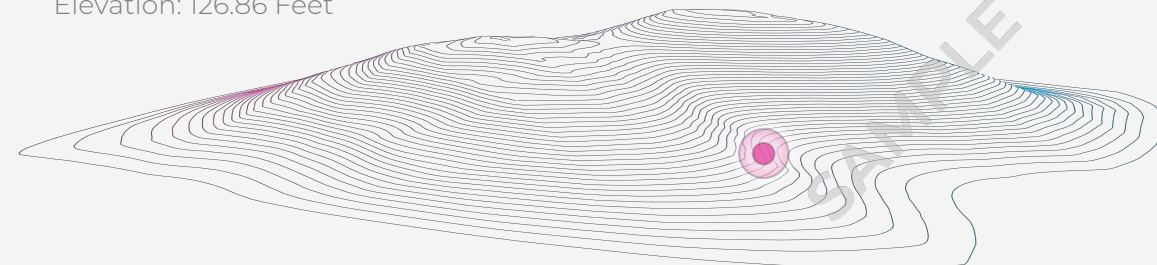
Distance to Ocean

139 Miles
224 Kilometers

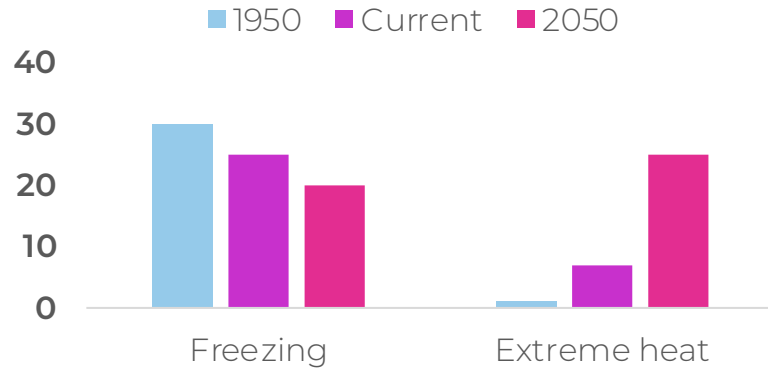
Nearest
Bodies of
Water

Hudson River
Mohawk River

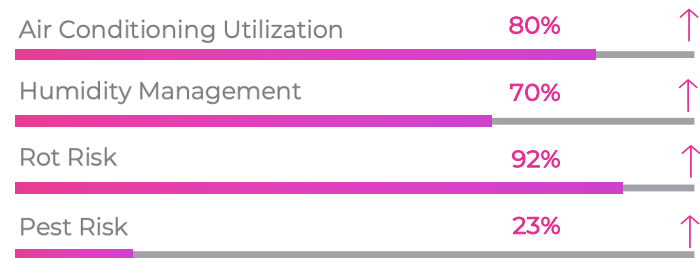
Elevation: 126.86 Feet



Temperature Days Above/Below



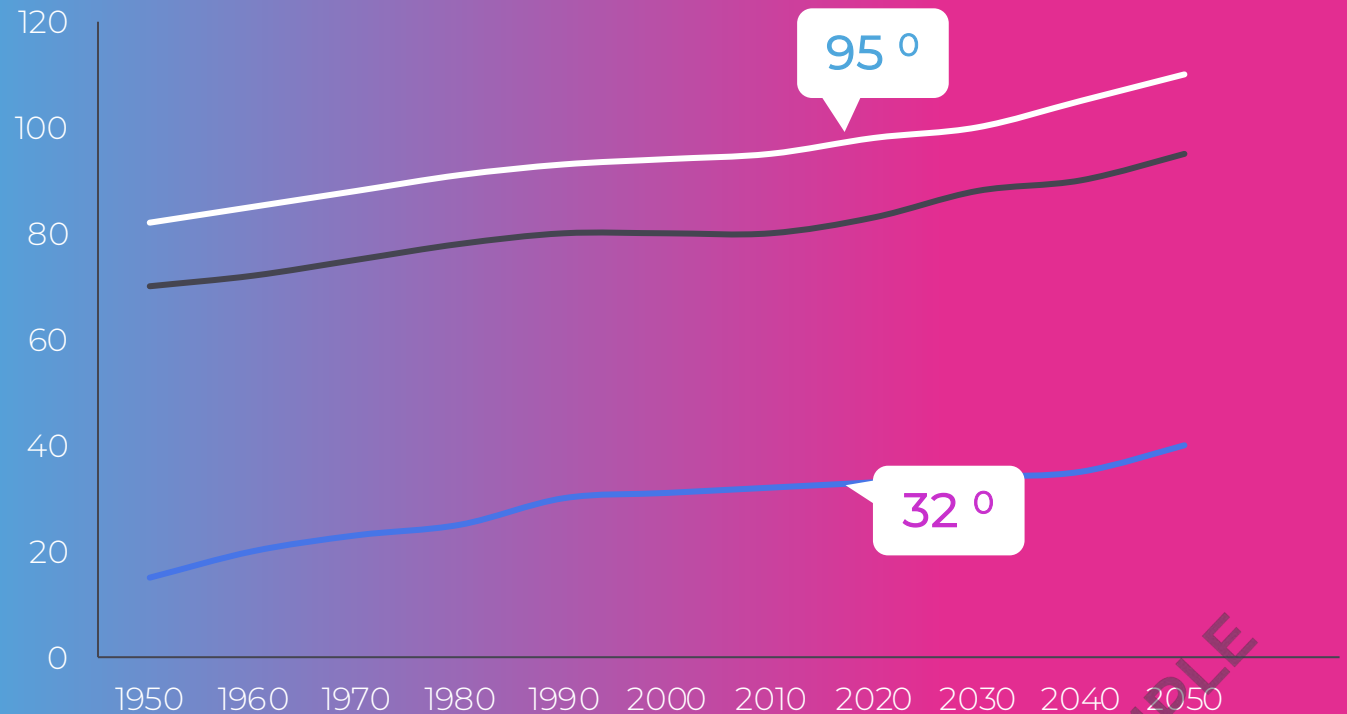
Household systems impact



1950-2050

Average, High & Low Temperatures

World Temperature Change 2050 Scenario: CCSM4 model under Scenario 8.5 by ESRI

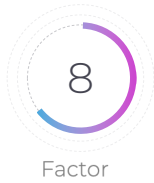


Albany County is expected to experience a **176% increase in extremely hot days** within 30 years

By 2050, Albany County is expected to have a **2 - 3°F increase** (from 49°F to 51°F) in average annual temperatures.



Precipitation

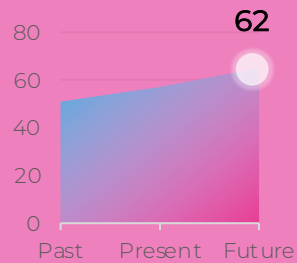


Community:
Shoreline changes

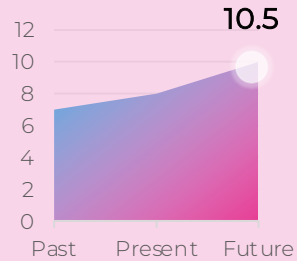
Neighborhood
Nearby flood risk in adjacent properties

Region
Humidity is increasing in this region and precipitation is projected to continue to increase over the next 30 years. Heavy rainfall events have increase 38% since 1901.

Humidity



Ground Water



Drought

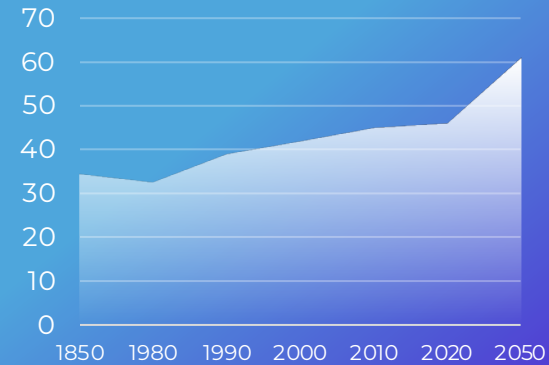


Mold



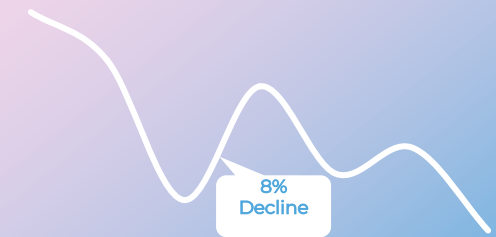
Rainfall

Annual Inches

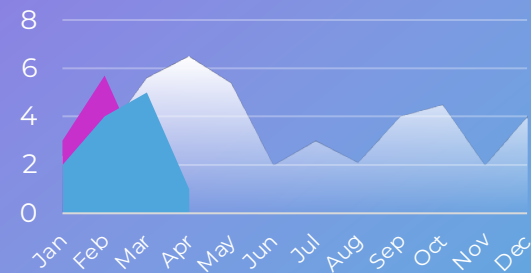


Snowfall

Annual

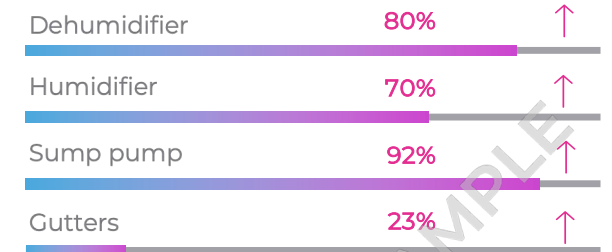


Seasonal Precipitation



Albany County is expected to experience a 15% increase in days with heavy precipitation within 30 years

Household systems impact



Storm water management capacity needs will increase by 22%



SAMPLE

Flood Risk

1/10 factors



This property has minimal flood risk

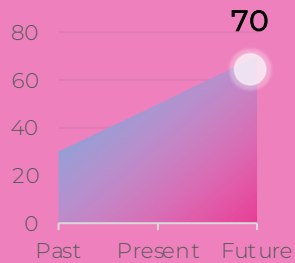
Community:

13% of the properties in Albany, NY will be at risk of flooding within 30 years.

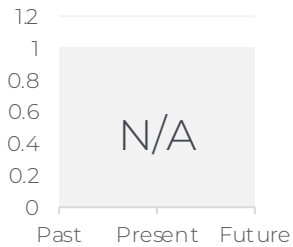
Neighborhood

Area of impervious surfaces 43.2%
Area lacking tree coverage 82.9%

High Intensity Rainfall



Overflowing Rivers & Streams



Flash Flooding

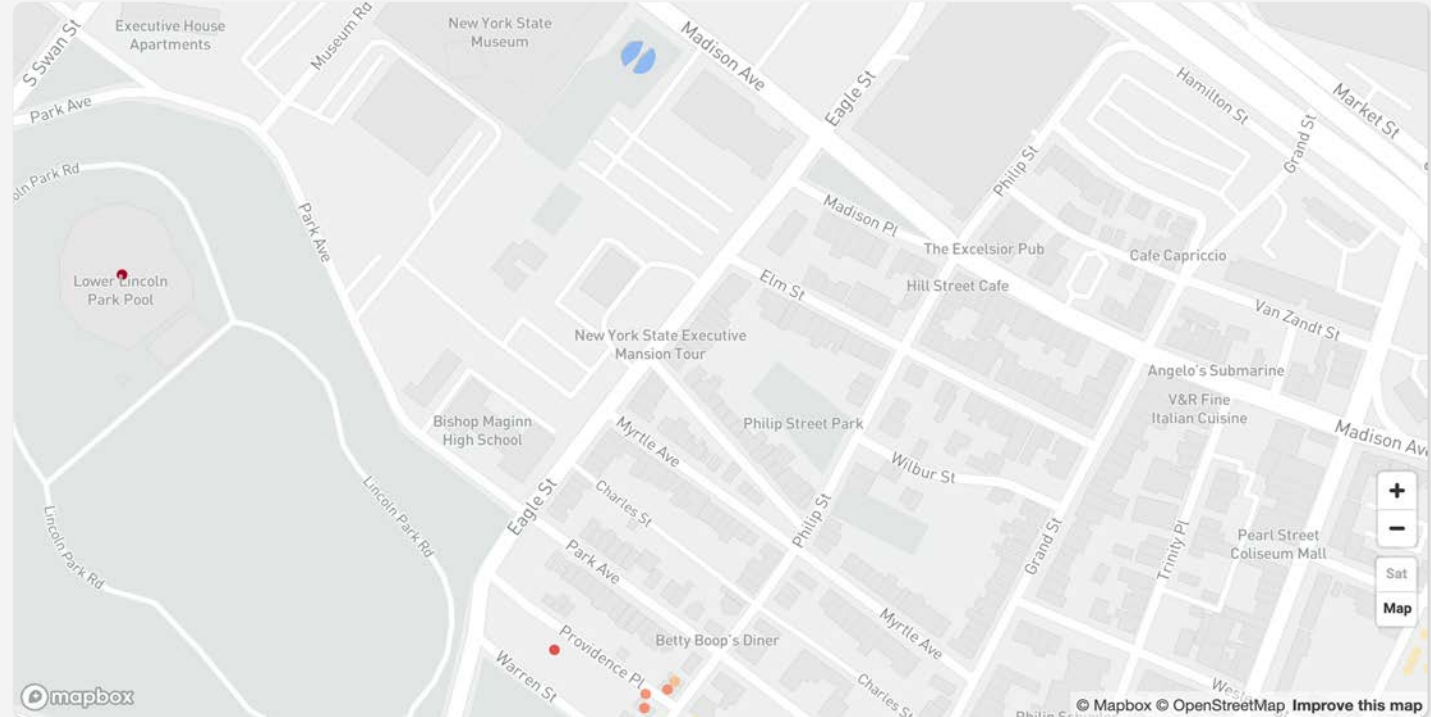


LOW

Landslides



LOW

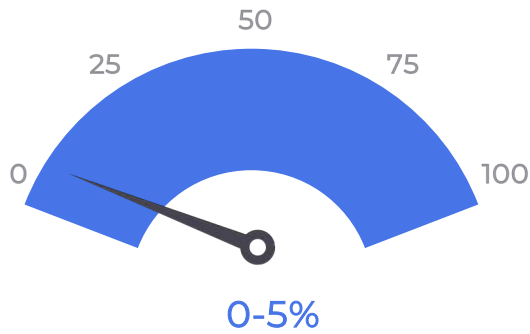


Nearby Flood Risk

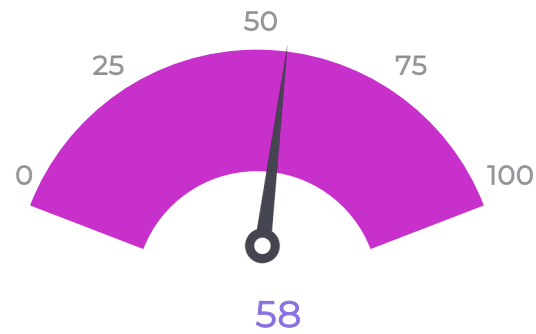
	Neighborhood	12202	Albany	County
This year # properties at risk	27	897	3,579	15,495
In 30 years # properties at risk	28	942	3,759	16,112
% Change	↑ 3.7%	↑ 5%	↑ 5%	↑ 4%

SAMPLE

Wildfire Risk



Home fire risk



Local Fire Risk Factors

Climate change factors leading to **LOW** wildfire risk:

- Increased precipitation
- Increased humidity

Current community factors leading to **MODERATE** home fire risk:

- Aging structures
- Lower utilization of smoke detectors

Structural Considerations

This property should be evaluated for:

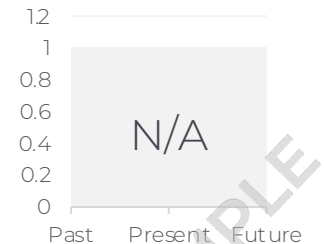
- Aging electrical wiring and fixtures
- Aging appliances
- Distance to at-risk properties

This property has a history of fire damage caused by faulty electric elements. (1961)

Lighting Strike Risk



Dry Vegetation





Storm Risk 50+ mph



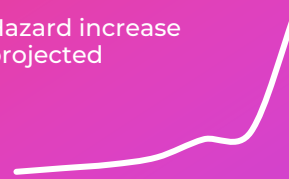
Community:

\$54.8 million worth of damages have occurred in the county over the past decade due to severe thunderstorms alone. Damage from strong winds totaled \$510,000 and from tornadoes \$800,000

New York State Hazard Mitigation Plan (NYSHMP): the probability of future wind events in Albany County is anticipated to be 306%

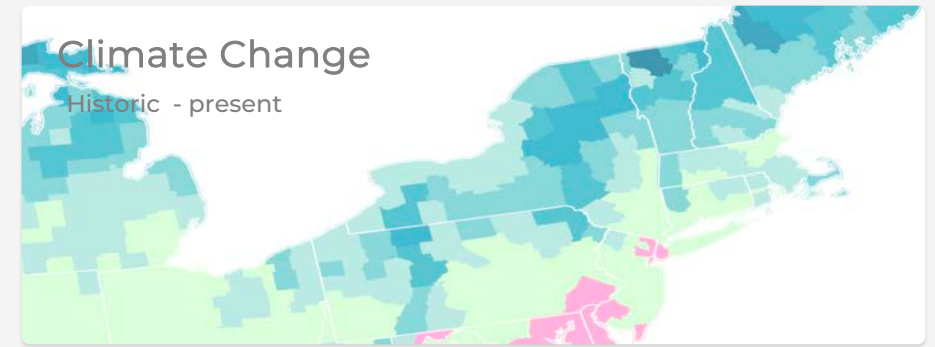
306%

Hazard increase
projected

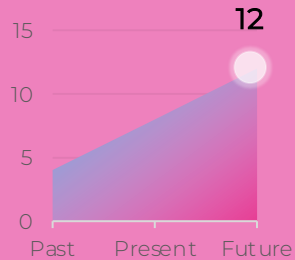


Climate Change

Historic - present



High Wind



Hail

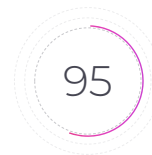
Event percent probability



Future events Albany county NYSHMP

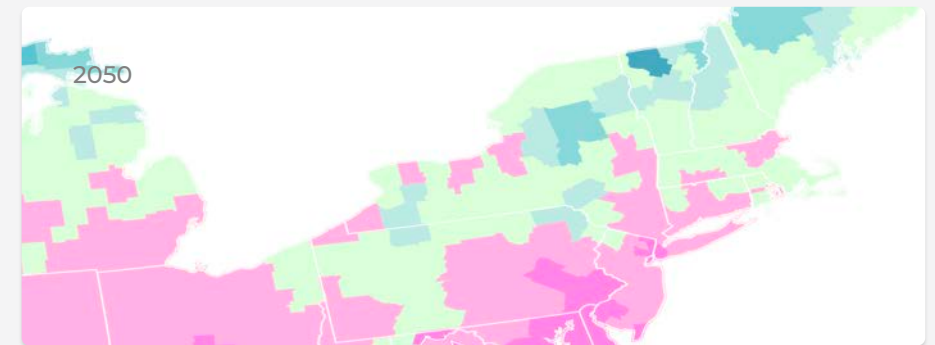
Max Windspeed

56 MPH Sustained

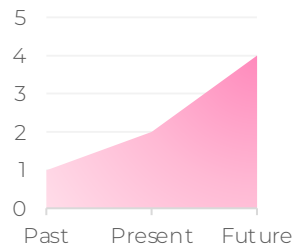


MPH

2050



Hurricane – outer bands



Tornado



LOW

Damaging Ice

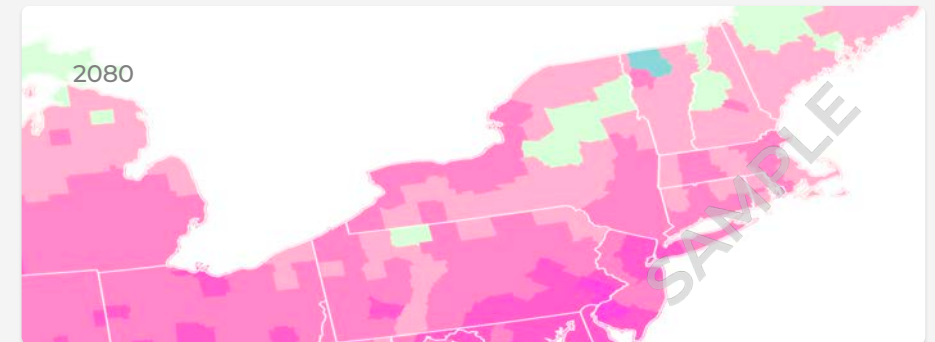
Future hazard occurrence



HIGH

Future events Albany county NYSHMP

2080





Recommendations

It's important to think of property climate adaptation from both an on-site and community-wide perspective. For example, if you decide to build a bunker-style concrete dome that can survive Cat-5 tornadoes and will never burn down, you will still suffer if the rest of your community is decimated in a natural disaster.

It is also very much worthwhile to work to prevent climate change, even while planning ahead for your family's location and housing needs.

Climate Future Score Factors



Project 1

Mitigation Adaptation

120
points

Aging homes in this region will be at increasing risk of wood rot as humidity and strong precipitation incidents happen more frequently. Every spring and fall the

See More



Community Action

Local Project

25
points

While this property's elevation is above anticipated flood zones, due to a high volume of impermeable surfaces and limited tree coverage, flash flooding is a

See More



Project 2


Renewable Off-Grid
Energy Independence

60
points

As storms become more frequent, above-ground power lines will experience more frequently disruptions in service. Solar panels and a home battery system will help

See More



**Project 3**
High Wind Protection

70
points

Roof and architectural feature straps and reinforcement should be considered with

See More

**Project 4**
Mitigation Adaptation

110
points

Moist heat increases will stress household systems. A minimum of 22" attic insulation


See More

**Project 5**
Heat Mitigation Adaptation

90
points

Apply low-E window films to help limit increased household greenhouse effect


See More

**Project 6**
Flood Management

60
points

Heavy downpour rain events will stress gutter and stormwater systems. To reduce

See More

**Project 7**
Flood Prevention

35
points

Impervious surfaces in immediate area increase flash flooding risk. Where possible


See More

**Project 8**
Heat Mitigation Adaptation

90
points

Improving the building envelope seal as well as targeted ventilation will protect


See More

**Project 9**
Damage Prevention

20
points

Hail guards are recommended for historic architectural features


See More

**Corporate Action**
Advocacy Project

140
points

The top corporate polluters in this community that will drive down property value are

See More

**Project 10**
Damage Prevention

50
points

Trees and neighboring structures may pose a risk during high wind storm events. These

See More