

# What is Visionmaker.NYC?



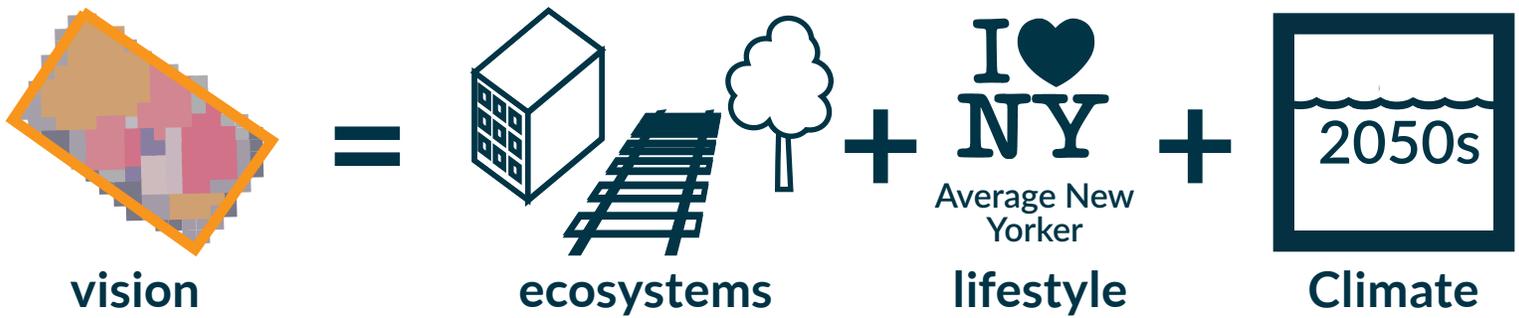
**Visionmaker** is a web application designed to enable the public to develop and share their own climate-resilient designs for **NYC** based on rapid and realistic model assessments of **carbon**, **water**, **biodiversity**, **population**, and **economics**. Building on the ecological baseline reconstructed by the Wildlife Conservation Society's Mannahatta Project, we aim to give New Yorkers a beautiful, data-driven forum for democratic exploration and discovery of a sustainable and resilient New York.



# What is Visionmaker.NYC?



A **vision** is a representation of a part of New York City as you envision it. You select an area and can change the ecosystems - buildings, streets, and natural environments - as well as the climate and the lifestyle choices that people living in that area make.



# Getting started



**1. Sign up or log in.** Visionmaker is free and you can view visions anonymously, but you need an account to create visions.

**2. Define a vision extent.** To create a vision, you need to choose where to start. A "vision extent" is the area, marked with an orange boundary, for which you are creating a vision for. Add or subtract blocks using the Vision Extent Selector Tool.



Vision extent selector tool

**3. Change ecosystems.** You can "paint" different ecosystems onto your vision using the painting tools in the right-hand tool palette. Choose from buildings, natural ecosystems, transportation infrastructure, other ecosystems, and modifiers.



Buildings



Natural ecosystems



Transportation infrastructure



Other



Modifiers

**4. Change lifestyle and climate.** You can change the climate and lifestyle associated with your vision using the dropdown choices in the upper-left tool panel.

**5. Check your environmental performance.** Open the dashboard to see how your vision performs in terms of carbon, water, biodiversity, population, and economics. You can compare the effects of your ecosystem, climate, and lifestyle changes against those of the same area in 1609, when Europeans made contact, and those of the area today.

SHOW DETAILS



RECALCULATE

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**MANAGE RESOURCES ABOUT HELP SITES**

Enter an address or a place of interest and zoom to it

Change the lifestyle, climate, and precipitation event present in your vision. Clicking the 'i' icon next to the dropdown shows a comparison between each scenario.

Launch the dashboard to see how your vision's environmental performance compares to that of today and that of 1609.

Choose an ecosystem from the list.

Each ecosystem has a flyout window with a description, image, and all of the parameters associated with that ecosystem. For buildings, you can also specify the number of stories to use.

Create or modify your visions, groups, and challenges you are a member of in the Manage menu. You can find help content and more information about Visionmaker in the Resources menu.

Your vision

Buildings

Natural ecosystems

Transportation

Other

Modifiers

Paint to Vision

Vision extent selector

Grid inspector

Cottages / mobile home  
Single family home  
Apartment building  
Retail building  
Office building  
Mixed use: retail / residential  
Mixed use: retail / office  
Hotel  
Hospital  
School or university  
Factory  
Public assembly hall  
Warehouse  
Computer data center  
Greenhouse / vertical farm  
Garage

Paint to the ecosystems of 1609 or today.

Add or remove blocks from your vision extent.

Click on a cell in your vision to identify its ecosystem type

MAP POSITION

MODEL SCENARIO SELECTORS

LIFESTYLE

CLIMATE

PRECIPITATION EVENT

ENVIRONMENTAL PERFORMANCE

SHOW DETAILS

VISION CONTROL

VISION

# Ecosystem key



## Buildings



 Cottages/mobile home	 Factory
 Single family home	 Public assembly hall
 Apartment building	 Warehouse
 Retail building	 Computer data center
 Office building	 Greenhouse/vertical farm
 Mixed use: retail / residential	 Garage
 Mixed use: retail / office	 Stadium
 Hotel	 Mixed use: office/residential building
 Hospital	 Derelict building
 School or university	 Airport terminal
 Restaurant	 Mixed use: restaurant / office
 Mixed use: restaurant / retail	 Mixed use: restaurant / residential

## Natural Ecosystems



 Estuary	 Oak hickory forest
 Deep estuary	 Hemlock-northern hardwood forest
 Beach	 Cliffs and rock outcrops
 Low salt marsh	 Orchard
 High salt marsh	 Ornamental garden
 Freshwater marsh	 Lawn
 Hardwood swamp	 Swimming pool
 Pond	 Paved ball field / court
 Disturbed land	 Cemetery
 Meadow	 Park Savanna
 Shrubland	

## Transportation



 Alley	 Parking lot
 Street (collector)	 Airfield
 Boulevard (arterial)	 Sidewalk
 Highway	 Light rail line
 Traffic slowed street	 Heavy rail line
 Pedestrian street / plaza	

## Modifiers



 Eelgrass meadow
 Stream
 Trail
 Cistern/ rain barrel
 Green roof
 Photovoltaic panels
 Solar heating panels
 Elevated train
 Streetcar line
 Subway
 Bike lane
 Street trees
 Pier
 Compost bin
 Bioswale
 Geothermal pump
 Graywater recycling
 Tunnel
 Permeable paver
 Pedestrian bridge
 Bridge

## Other



 Camp	 Sewage treatment plant
 Agricultural field / vegetable garden	 Solid waste transfer plant
 Water treatment plant	 Waste energy power plant
 Water tank	 Fuel tank
 Natural gas power plant	 Diesel Power Plant
 Solar energy facility	 Utility yard
 Steam generation plant	 Gas station
 Landfill	 Tidal energy facility
 Wind Farm	