

# MAP | WATCH LIST

## Filter | Layers

At-Risk Units

All at-risk units

Total Subsidized Units in Building

Between Min cou and Max cou

Percent Units Subsidized

Between Min % and Max %

Unit AMI

All AMI

Funding Source

All funding sources

Target Population

All target populations

Development Type

All Development types

Subsidy Start Date

Between Any Date

and Any Date

Subsidy End Date

Between Any Date

and Any Date

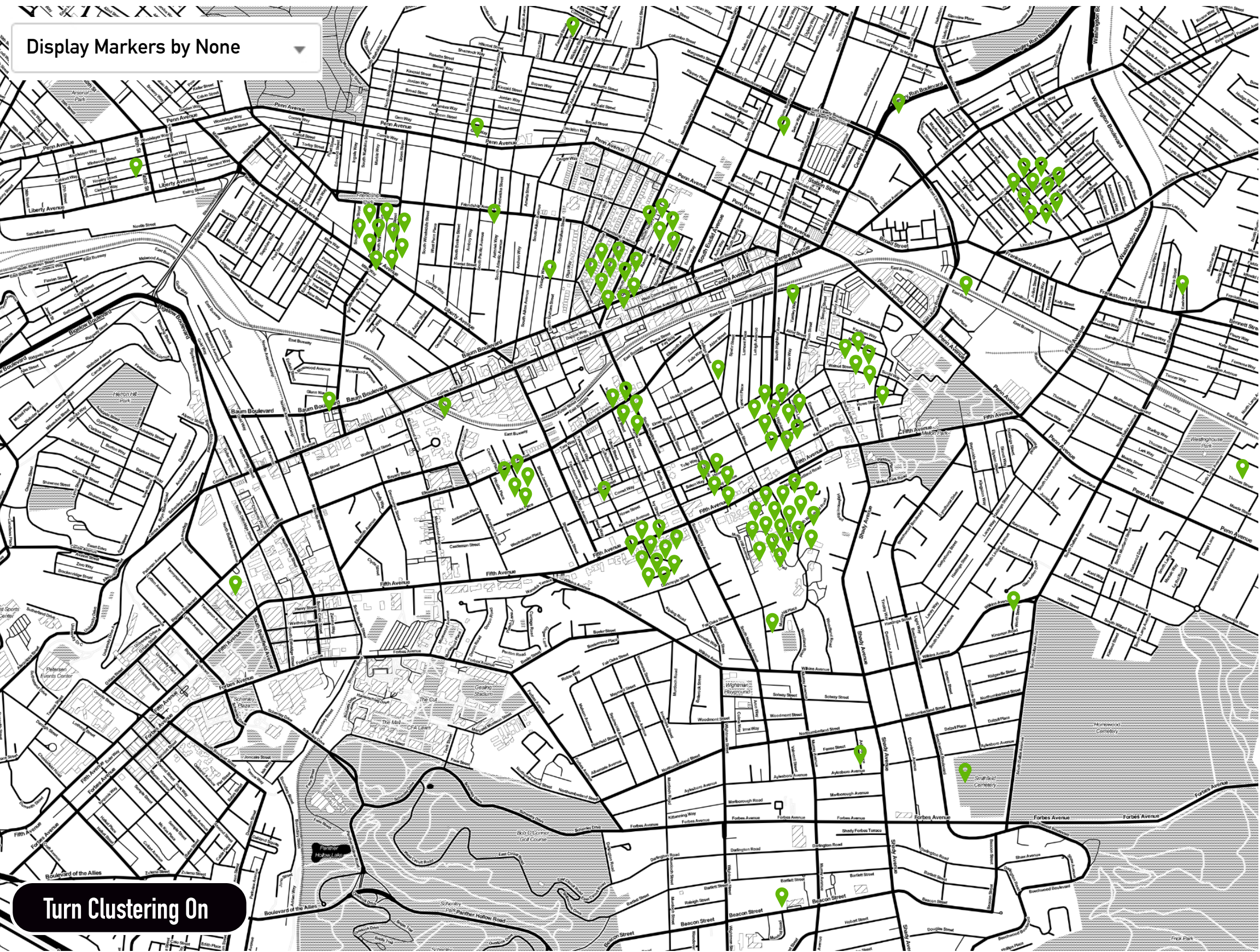
Zoom Map To

Zip Code

Neighborhood

Search Address

Display Markers by None



2020

Feb

Mar

Apr

May

Jun

Jul

Aug

Sep

Oct

Nov

Dec

2021

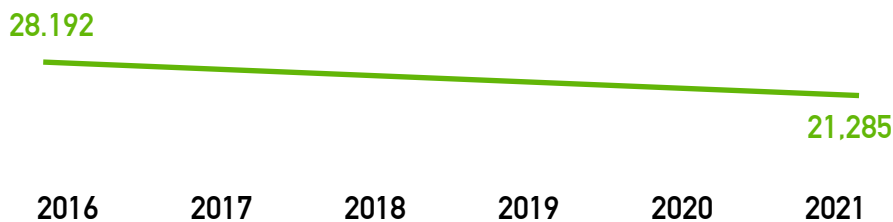
Jan

Feb

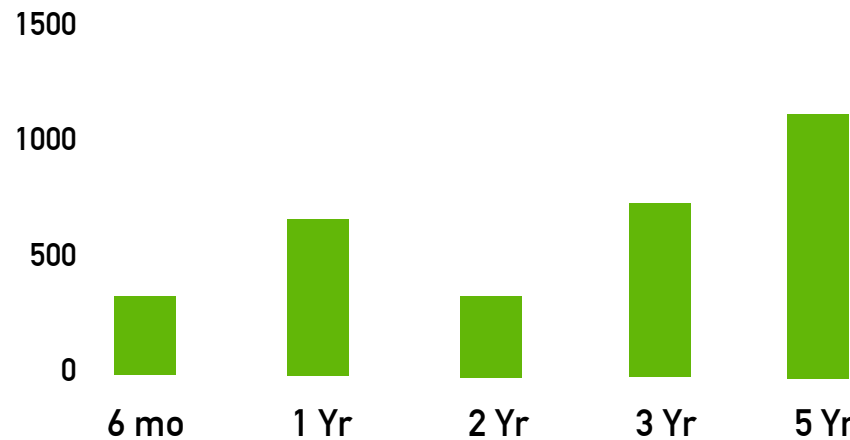
## Data in View | All Data

All data current as of 02/01/21

Total units meeting criteria in view: 21,285



Total units meeting criteria in view over time



Total units meeting criteria in view at risk of losing subsidy

[Download Data in View](#)

# Basic Map View



Zoom Map To

Zip Code

▼

Neighborhood

▼

Search Address

🔍

## Geography Selection

### Zip Code menu

- Standard dropdown menu
- Menu list contains all zip codes in the database
- Selecting a zipcode positions the map to that zipcode
- Data on the map is updated to that zipcode
- If Data in View is selected in the data summary panel, then the data is updated to reflect the view (which may be larger than the zipcode)
- Ideally, the zip code boundaries are outlined on the map (that disappears when user moves map out of view)

### Neighborhood menu

- Standard dropdown menu
- The contents of this menu are tbd
- The content could be neighborhoods, or council districts, or counties
- The purpose of this dropdown menu is to provide another spatial frame for the map view
- Data on the map is updated to that spatial frame
- Selecting a zipcode positions the map to that zipcode
- If Data in View is selected in the data summary panel, then the data is updated to reflect the view (which may be bigger than the spatial frame)
- Ideally, the spatial frame boundaries are outlined on the map (that disappears when user moves map out of view)

### Search Address text box

- Standard text entry box
- Clicking the magnifying glass icon or pressing “return” executes search
- After executing search map centers that address in view, 100% zoom
- Data on the map is updated to that view
- Selecting a zipcode positions the map to that zipcode
- If Summary in View is selected in the View panel, then the data is updated to reflect the view (which may be bigger than the spatial frame)

Filter | Layers

At-Risk Units

All at-risk units

Total Subsidized Units in Building

Between

Min cou

and

Max cou

Percent Units Subsidized

Between

Min %

and

Max %

Unit AMI

All AMI

Funding Source

All funding sources

Target Population

All target populations

Development Type

All Development types

Subsidy Start Date

Between

Any Date

and

Any Date

Subsidy End Date

Between

Any Date

and

Any Date

## Filters

For navigation between Filter and Layers, use a highlighted tab, as exemplified here: <http://housinginsights.org/> between Summary and Matching Projects

Another option to maximize the map view is to use a tray feature to move between the Filters and Layers as exemplified here: <http://geospatial.gatech.edu/HOUSEATL/#/>

As discussed, the composition of these menu items for filtering will be developed in conjunction with the data model and through ongoing user feedback and testing.

There are multiple models for these menus and text entry forms.

Examples include:

<http://housinginsights.org>

<http://coredata.nyc>

<http://comte.ccs.miami.edu/housing/map>

The image on the left is screenshot taken from <http://geospatial.gatech.edu/HOUSEATL/#/>





## Clustering

### Turn Clustering On / Off

- Button
- Turns map point clustering on/off

Optional placement below the map

When testing UI, could A/B test with a toggle element





## Clustering

### Turn Clustering On / Off

- Button
- Turns map point clustering on/off

Optional placement below the map

When testing UI, could A/B test with a toggle element





## Display Markers Options

### Display Markers by menu

- Standard dropdown menu
- Menu contents include
  - None
  - By Expiration
- When the menu is “None”, no effect on markers
- When the menu is “by Expiration”
  - Markers organized into 3-5 categories
  - Markers colored by category
  - Category legend appears under menu

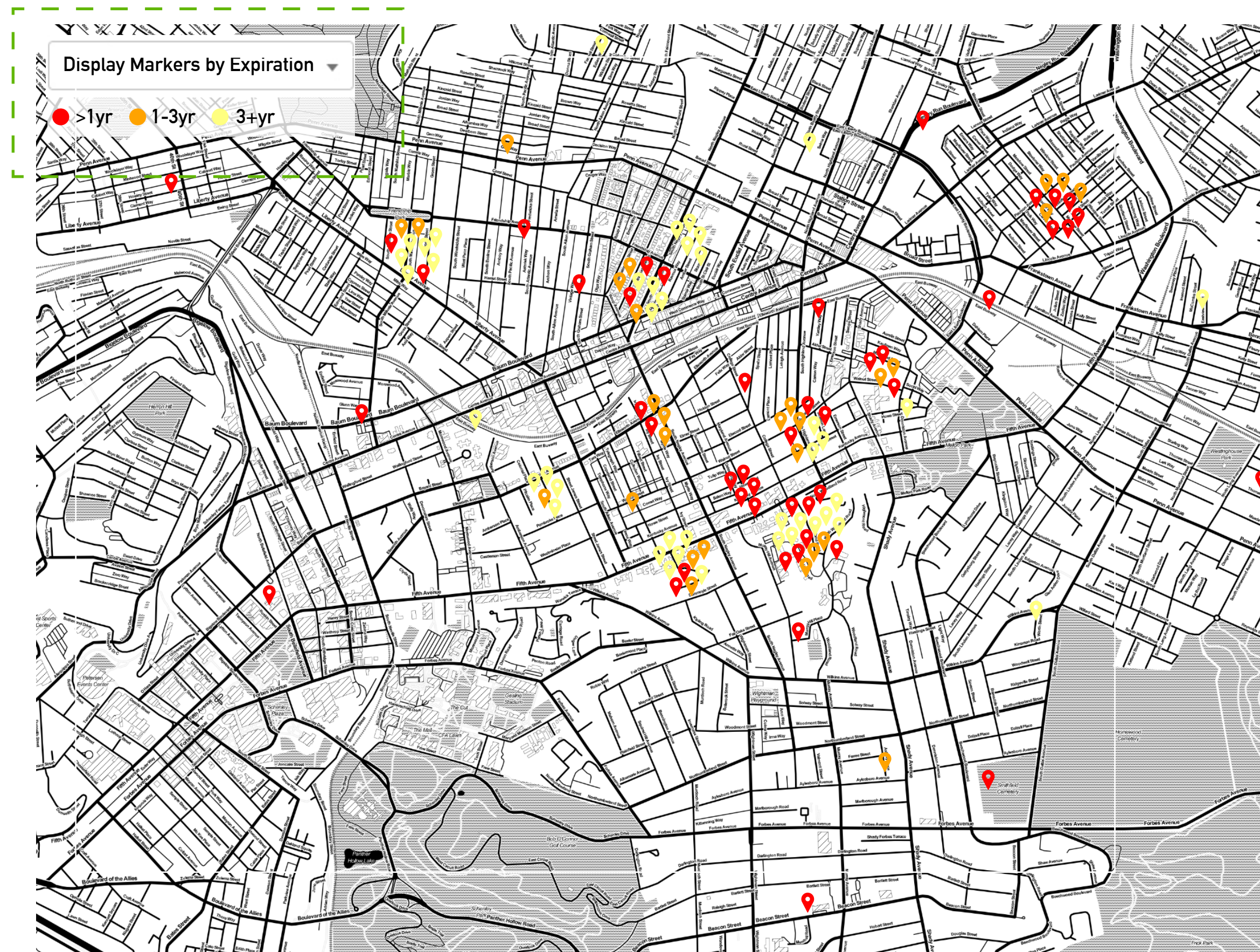
Numer of categories can be determined through feedback and testing

Other display marker options can be developed through feedback and testing

Optional placement above the map

# Basic Map View: Display Markers Options





## Display Markers Options

### Display Markers by menu

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  - Markers organized into 3-5 categories
  - Markers colored by category
  - Category legend appears under menu

Numer of categories can be determined through feedback and testing

Other display marker options can be developed through feedback and testing

Optional placement above the map

**Basic Map View:** Display Markers Options



## Data in View, Data Summary Panel

For navigation between Data in View and All Data, use a highlighted tab, as exemplified here: <http://comte.ccs.miami.edu/housing/map> between Housing and Neighborhoods

### “Data is current as of ####/##/##”

- ####/##/## is the date of the last database update

### “Total units meeting criteria: #####”,

- ##### is for all of database
- This number updates when user changes criteria in filter panel

### “Total units meeting criteria in view over time”

- Suggested line chart displaying totals over last 5 years for all of database
- Data and view update when user changes criteria in filter panel

### “Total units meeting criteria in view at risk of losing subsidy”

- Suggested bar chart displaying totals over last 5 years for all of database
- Data and view update when user changes criteria in filter panel

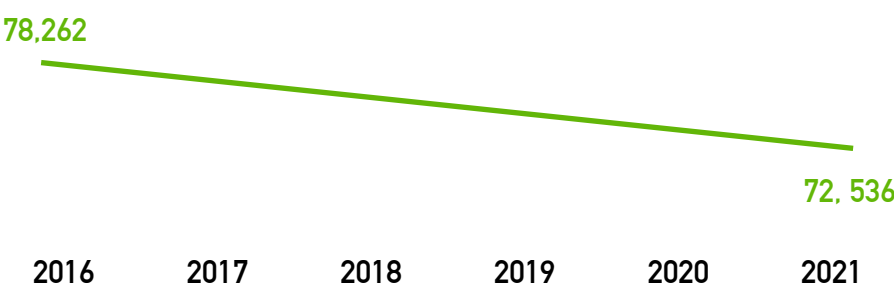
### “Download All Data Meeting Criteria”

- Downloads csv of all data that meets criteria

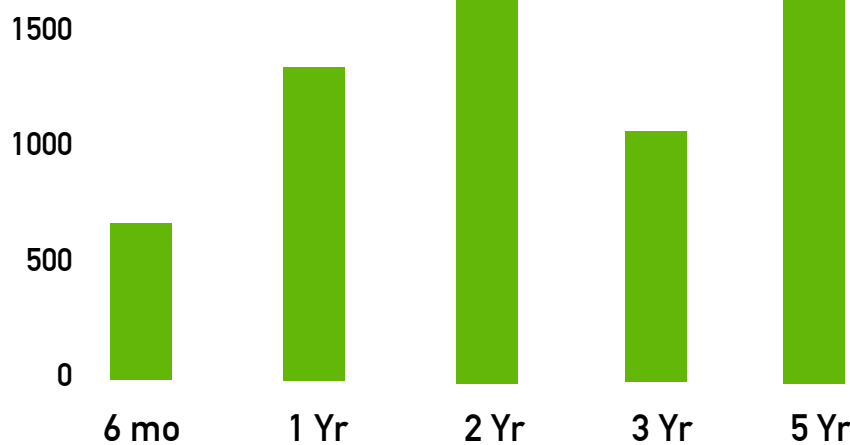
## Data in View | All Data

All data current as of 02/01/21

Total units meeting criteria: 72,536



Total units meeting criteria in over time



Total units meeting criteria at risk of losing subsidy

[Download All Data that Meets Criteria](#)

Basic Map View: All Data, Data Summary Panel



## Data in View, Data Summary Panel

For navigation between Data in View and All Data, use a highlighted tab, as exemplified here: <http://housinginsights.org/> between Summary and Matching Projects

**“Data is current as of ####/##/##”**

- ####/##/## is the date of the last database update

**“Total units meeting criteria in view: #####”,**

- ##### is for data for current view only
- This number updates when user changes criteria in filter panel
- This number also updates as the view changes (either through Geography Selection or zoom)\*

**“Total units meeting criteria in view over time”**

- Suggested line chart displaying totals over last 5 years\*\*
- Data and view update when user changes criteria in filter panel
- Data and view also update as the view changes (either through Geography Selection or zoom)\*

**“Total units meeting criteria in view at risk of losing subsidy”**

- Suggested bar chart displaying totals over last 5 years\*\*
- Data and view update when user changes criteria in filter panel
- Data and view also update as the view changes (either through Geography Selection or zoom)\*

**“Download Data in View”**

- Downloads csv of all data in view

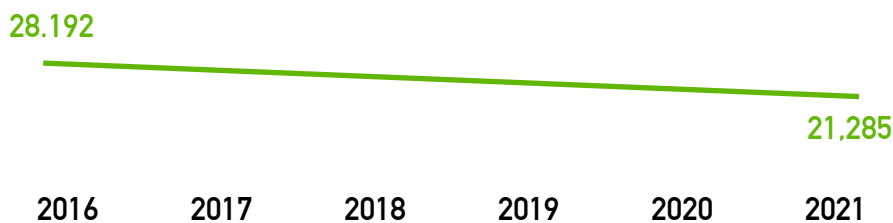
\* We may want to test the usability factors of updating these numbers and charts dynamically with each view change. That may be visually distracting. If so, my suggestion is we A/B test two options: a button to “Reload Data for View” and a toggle to move between Summary for View and Summary for All.

\*These specific charts are suggestions. You could choose other formats (such as sparklines) or you could choose other metrics as deemed appropriate.

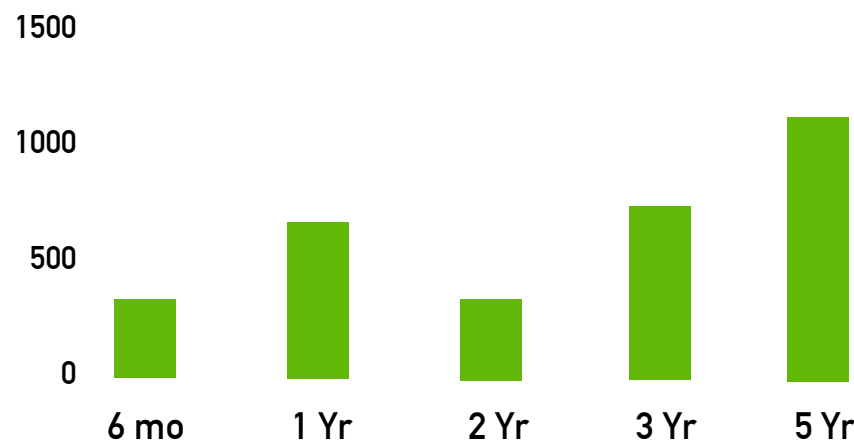
### Data in View | All Data

All data current as of 02/01/21

Total units meeting criteria in view: 21,285



Total units meeting criteria in view over time



Total units meeting criteria in view at risk of losing subsidy

[Download Data in View](#)

## Basic Map View: Data in View, Data Summary Panel



## Time Slider

### Time Slider widget

- Custom widget
- Displays last 12 months as abbreviations
- Defaults to current month
- Click and drag handles to move forward and backward in time
- All data on map and summary data view update upon release (not as scrubbing)

We may want to test the usability factors of updating data, map, and summary view through scrubbing. That may be confusing. If so, my suggestion is we A/B test the update upon release and dropdown menu to select and load datasets by month. The default would be “View Current Data” and the dropdown menu items would list each month for the past 12 months, or potentially longer.

This also assumes a monthly update of the data. If the update of the data is quarterly, then the widget (or menu) should include the appropriate corresponding dates.



Basic Map View: Time Slider



## Property Detail

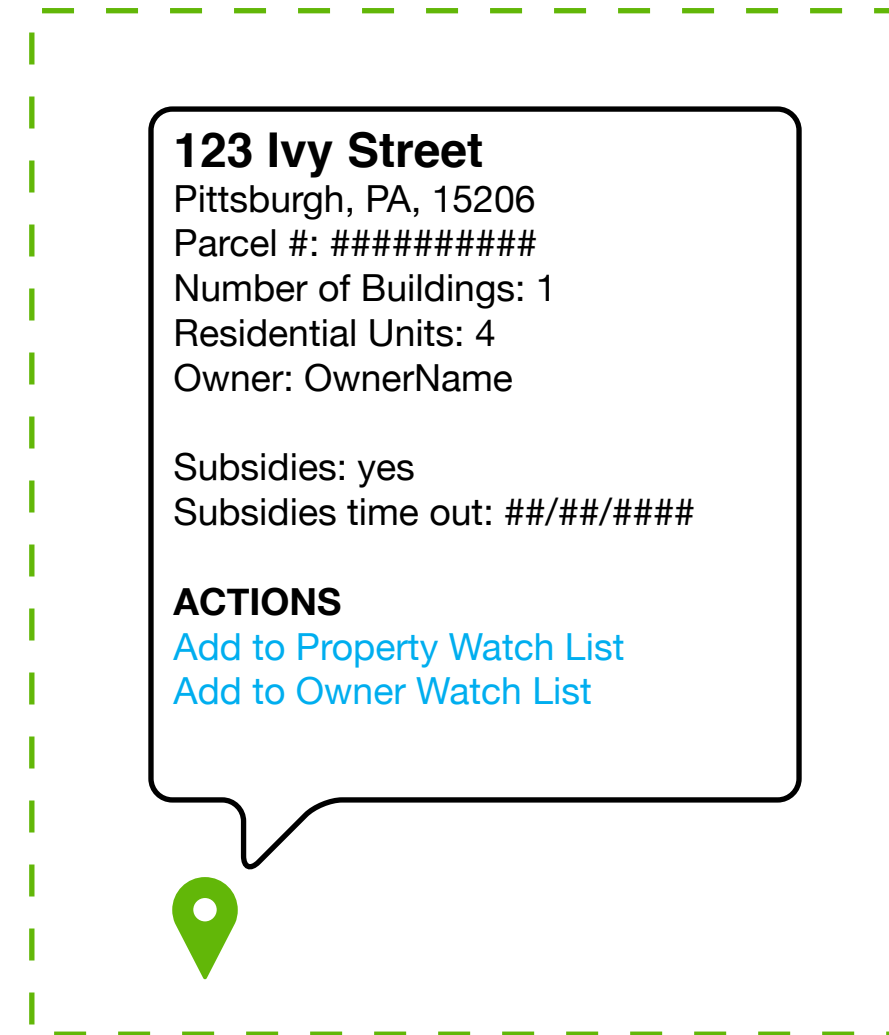
### Clicking on a map marker opens a property detail pop-up

The composition of data in the property detail can be finalized through feedback and testing.

Clicking on “Add to Property Watch List” adds the selected property to the Property Watch List. A pop-up window appears stating Property successfully added to Property Watch List” The view remains on the map.

Clicking on “Add to Owner Watch List” adds the selected property to the Property Watch List. A pop-up window appears stating Owner successfully added to Property Watch List” The view remains on the map.

**This is a minimal model of property information display. If users decide they would like expanded property information, the NYC Core Data app provides an excellent option for interaction and display.**  
<http://app.coredata.nyc/>





## Filter | Layers

### Access

- ☐ Food Access ?
- ☐ Transportation Access ?

### Zone Designation

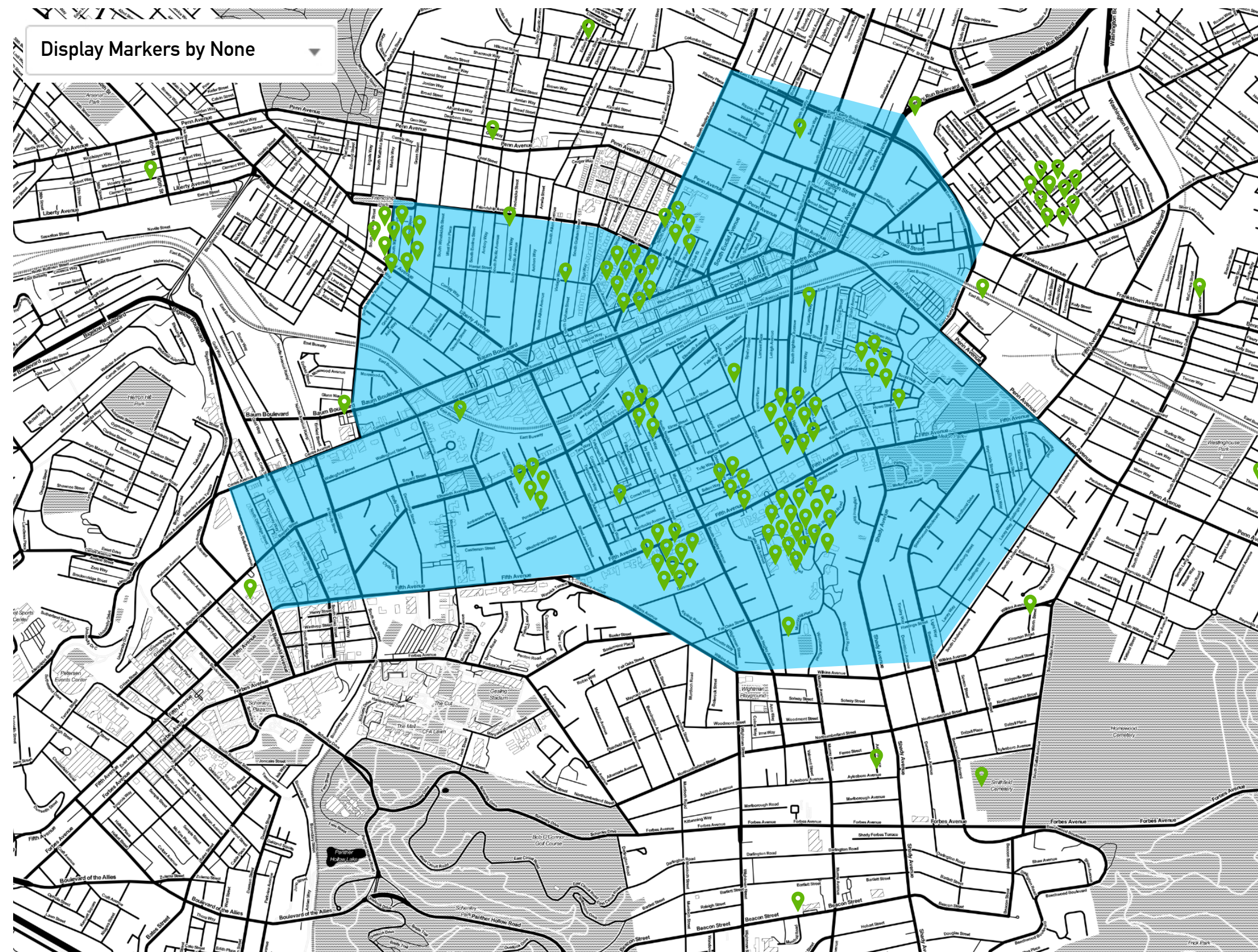
- ☐ Historic Zone ?
- ☒ Inclusionary Housing Zone ?
- ☐ Opportunity Zones ?

### Affordability Indicators

- ☐ Loss of Affordable Units ?
- ☐ Rising Rent ?

### ACS

- ☐ ACS Poverty Rate ?
- ☐ ACS Income Per Capita ?
- ☐ ACS Labor Participation ?
- ☐ ACS Fraction Single Mothers ?



## Layers

For navigation between Filter and Layers, use a highlighted tab, as exemplified here: <http://housinginsights.org/> between Summary and Matching Projects

Another option to maximize the map view is to use a tray feature to move between the Filters and Layers as exemplified here: <http://geospatial.gatech.edu/HOUSEATL/#/>

Similar to the filters, the composition of these menu items for layers will be developed in conjunction with the data model and through ongoing user feedback and testing.

Different than filters, the layers will be radio buttons or toggle switches and you will only be able to select one layer to display at a time.

Turning on a layer will display that data as an overlay on the map.

For an example of the interaction turning on and off layers see: <http://geospatial.gatech.edu/HOUSEATL/#/>

Each layer should also have next to it a “?” icon. Hovering over the “?” icon should display a tooltip that communicates to the user where the data is from.



## Primary Navigation Description

Primary navigation runs across the top of the screen in font size +4

The current view is highlighted

As the content and features of this tool expand, we will revisit the primary navigation



Owner Watch List

- ☐ ACME Property Management Delete
- ☒ Dolus Real Estate Delete
- ☐ Pittsburgh Property Group Delete

[Download All Data for Owner Watch List](#)

Property Watch List

- ☐ 5335 Baum Ave Delete
- ☐ 5505 Forbes Ave Delete
- ☐ 703 S Negley Ave Delete
- ☐ 604 W North Ave Delete
- ☐ 1156 Portland St Delete
- ☐ 939 Western Ave Delete
- ☐ 5105 5th Ave Delete
- ☐ 177 40th St Delete

[Download All Data for Property Watch List](#)



Dolus Real Estate  
All data current as of 02/01/21

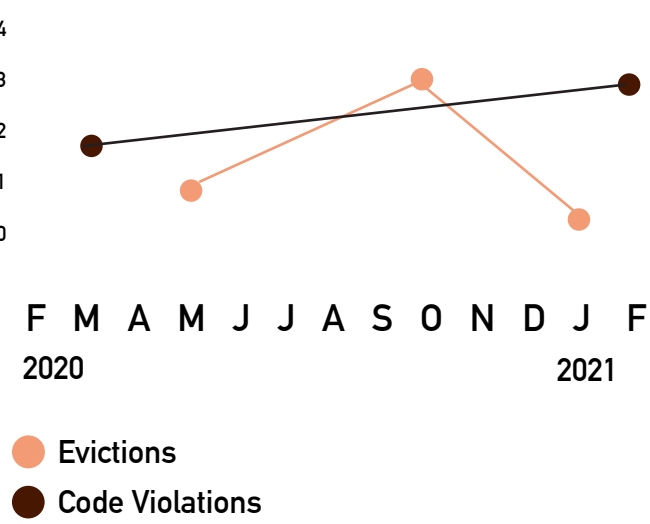
Total Properties: 7  
increase/decrease: +1 (past 12 months)

Total Units: 20  
increase/decrease: +5 (past 12 months)

Occupied Units: 17  
increase/decrease: -3 (past 12 months)

Code Violations 5 (past 12 months)  
121 Kentucky Ave, #357353  
121 Kentucky Ave, #357354  
121 Kentucky Ave, #468264  
221 Howe St, #468284  
101Walnut St, #468221

Evictions 4 (past 12 months)



[Download Data for This Owner](#)



## Owner Watch List

- ☐ ACME Property Management 

Delete
- ☒ Dolus Real Estate 

Delete
- ☐ Pittsburgh Property Group 

Delete

[Download All Data for Owner Watch List](#)

## Property Watch List

- ☐ 5335 Baum Ave 

Delete
- ☐ 5505 Forbes Ave 

Delete
- ☐ 703 S Negley Ave 

Delete
- ☐ 604 W North Ave 

Delete
- ☐ 1156 Portland St 

Delete
- ☐ 939 Western Ave 

Delete
- ☐ 5105 5th Ave 

Delete
- ☐ 177 40th St 

Delete

[Download All Data for Property Watch List](#)

## Owner and Property Watch List Menus

### Owner Watch List

- Radio buttons
- Next to each entry, Remove button,
- Clicking the Remove button brings up a dialog box “Are you should you want to delete “name of owner” from the Owner Watch List?”
- Clicking “Yes” deletes the owner from the Owner Watch List
- Selecting an owner updates the Owner Summary View with corresponding data
- Selecting an owner turns on map markers for all of the properties owned by that owner
- Clicking “Download All Data for Owner Watch List” downloads all data as CSV
- You cannot select more than one owner, nor can you selection an owner and a property

### Property Watch List

- Radio buttons
- Next to each entry, Remove button,
- Clicking the Remove button brings up a dialog box “Are you should you want to delete “address of property” from the Property Watch List?”
- Clicking “Yes” deletes the owner from the Property Watch List
- Selecting a property updates the Property Summary View with corresponding data
- Selecting a property turns on a single map marker for that property
- Clicking “Download All Data for Property Watch List” downloads all property watch list data as CSV
- You cannot select more than one property, nor can you select and owner and a property

**Map view works the same in both Watch Lists and Map view. In particular, there is the ability to turn on and off clustering, and the ability to display markers by subsidy expiration date or other factors TBD.**

# Watch Lists: Owner and Property Watch List Menus



# Owner Summary View

Name of Owner is displayed top of the table, font size +2

“Data is current as of ###/###/##”

- ###/###/## is the date of the last database update

“Total Properties: #####”,

- ##### is total properties owned by this owner
- “increase/decrease: #” displays the change in that number, with + / - over past 12 months

“Total Units: #####”,

- ##### is total units across all properties owned by this owner
- “increase/decrease: #” displays the change in that number, with + / - over past 12 months

Occupied Units: #####”,

- ##### is total occupied units across all properties owned by this owner
- “increase/decrease: #” displays the change in that number, with + / - over past 12 months

“Code Violations: #####”,

- ##### is the total code violation across all properties owned by this owner over the past 12 months
- Each code violation is listed by address. So, if there are 3 code violations at 121 Kentucky Ave, they are listed separately.
- Next to each address is a link to the actual code violation record.
- Clicking that link opens a new window with the code violation record.
- If you have this data, the display is within the site, if not, then link to an external site.
- Code violations are ordered by date

“Evictions: #####”,

- ##### is total evictions across all properties owned by this owner over the past 12 months

## Charts

\*These specific charts are suggestions. You could choose other formats (such as sparklines) or you could choose other metrics as deemed appropriate.

Clicking “Download Data for This Owner” downloads all of the data for this owner as a CSV

## Dolus Real Estate

All data current as of 02/01/21

Total Properties: 7

increase/decrease: +1 (past 12 months)

Total Units: 20

increase/decrease: +5 (past 12 months)

Occupied Units: 17

increase/decrease: -3 (past 12 months)

Code Violations 5 (past 12 months)

121 Kentucky Ave, #357353

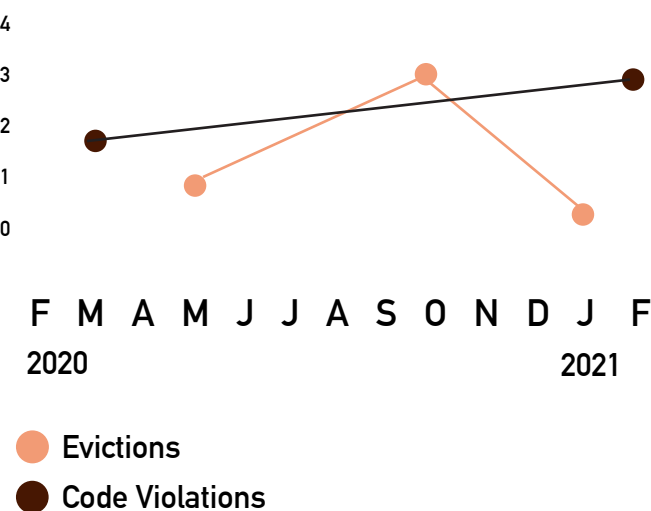
121 Kentucky Ave, #357354

121 Kentucky Ave, #468264

221 Howe St, #468284

101 Walnut St, #468221

Evictions 4 (past 12 months)



Download Data for This Owner



## Property Summary View

Address of Property is displayed at the top of the table, font size +2

Below the Address of Property is an image of the property.

- This image could come from Google Streetview
- If the City / County has an accessible database of property images, this image could come from there

“Owner:”

- Name of owner

“Total Units: #####”,

- ##### is total units in this property

“Occupied Units: #####”,

- ##### is total units in this property

“Subsidized Units: #####”,

- ##### is total subsidized units in this property

“Occupied Subsidized Units: #####”,

- ##### is total occupied subsidized units in this property

“Subsidies Expire: ####/####”,

- ####/#### is data when subsidies at this property expire

“Code Violations: #####”,

- ##### is the total code violations at this properties owned by this owner over the past 12 months
- Each code violation is listed by date.
- Next to each address is a link to the actual code violation record.
- Clicking that link opens a new window with the code violation record.
- If you have this data, the display is within the site, if not, then link to an external site.
- Code violations are ordered by date

Clicking “Download Data for This Property” downloads all of the data for this property as a CSV

703 S Negley Ave



Owner: Brucker Properties

Total Units: 20

Occupied Units: 17

Subsidized Units: 3

Occupied Subsidized Units: 3

Subsidies Expire: 04/15/2025

Code Violations: 1  
07/01/2021: #237632

[Download Data for This Property](#)