

MARKTOWN FUTURES

INDUSTRY, HEALTH & HOME



Industry & Health in America

In 2019, 150 million (46%) Americans lived with and breathed polluted air, placing their health and lives at risk.

-American Lung Association

In America, People of Color are exposed to 1.28 times more particulate matter than white people.

Black People are exposed to 1.54 times more particulate matter than white people.

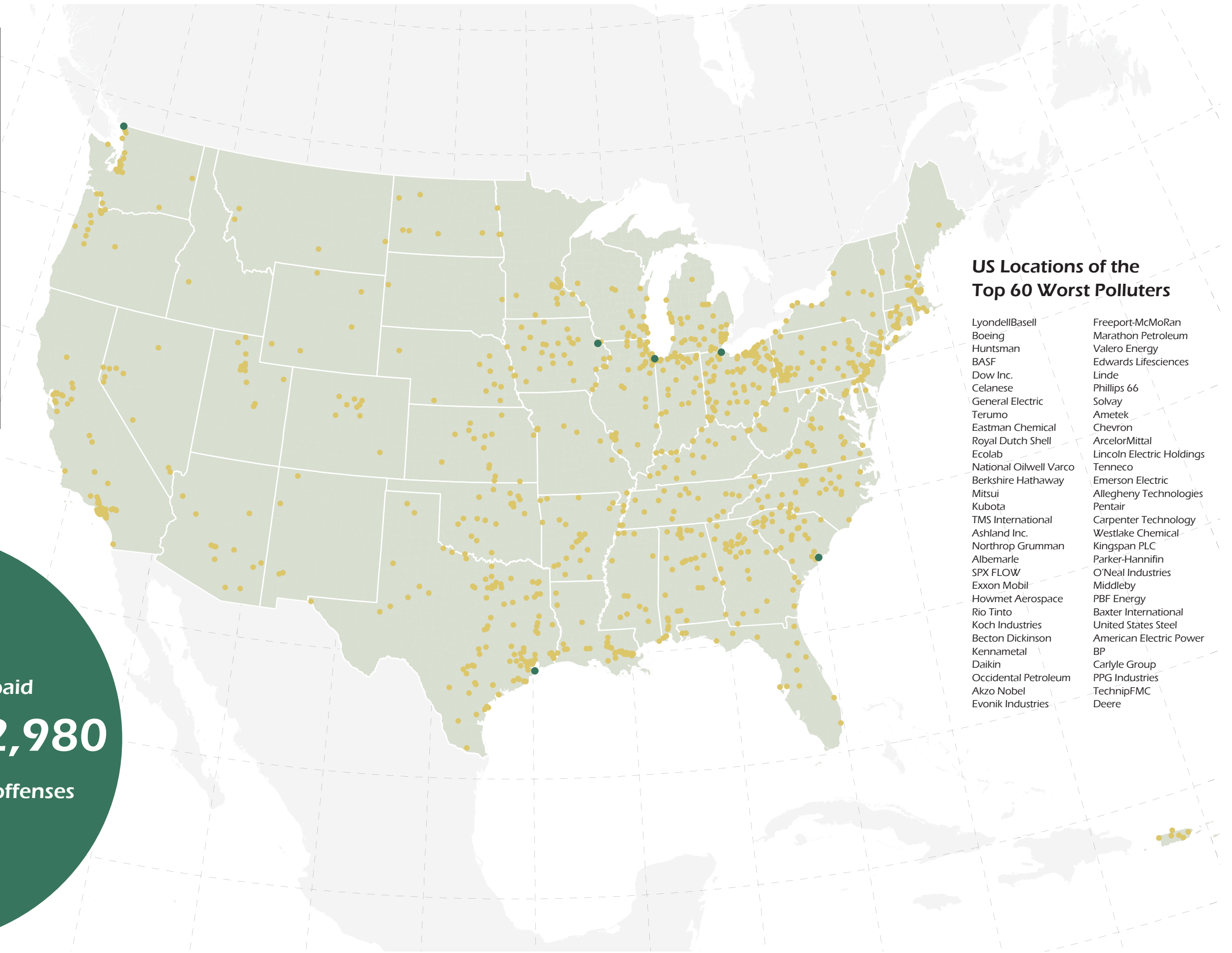
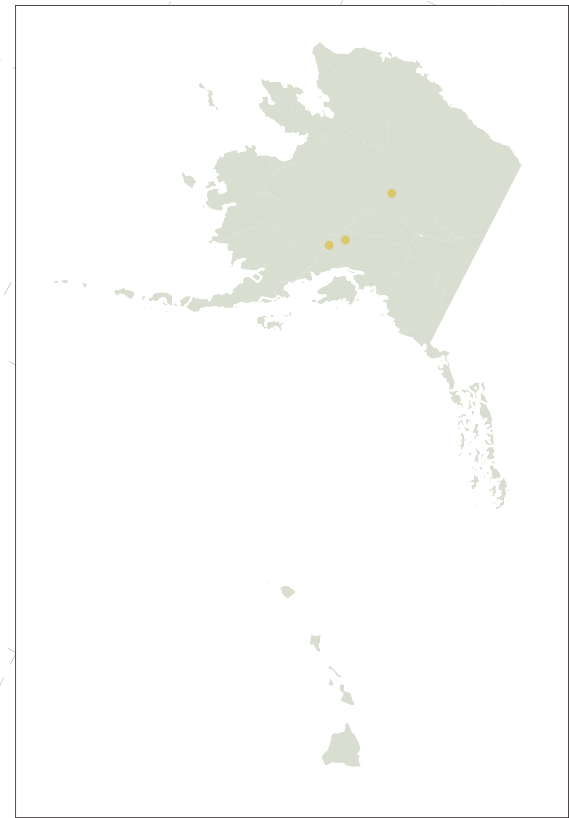
People in poverty, of any race, are exposed to 1.35 times more particulate matter than the overall population.

-American Journal of Public Health, 2019

100 companies are responsible for more than 70% of the world's greenhouse gas emissions since 1988

- CDP Carbon Majors Report 2017





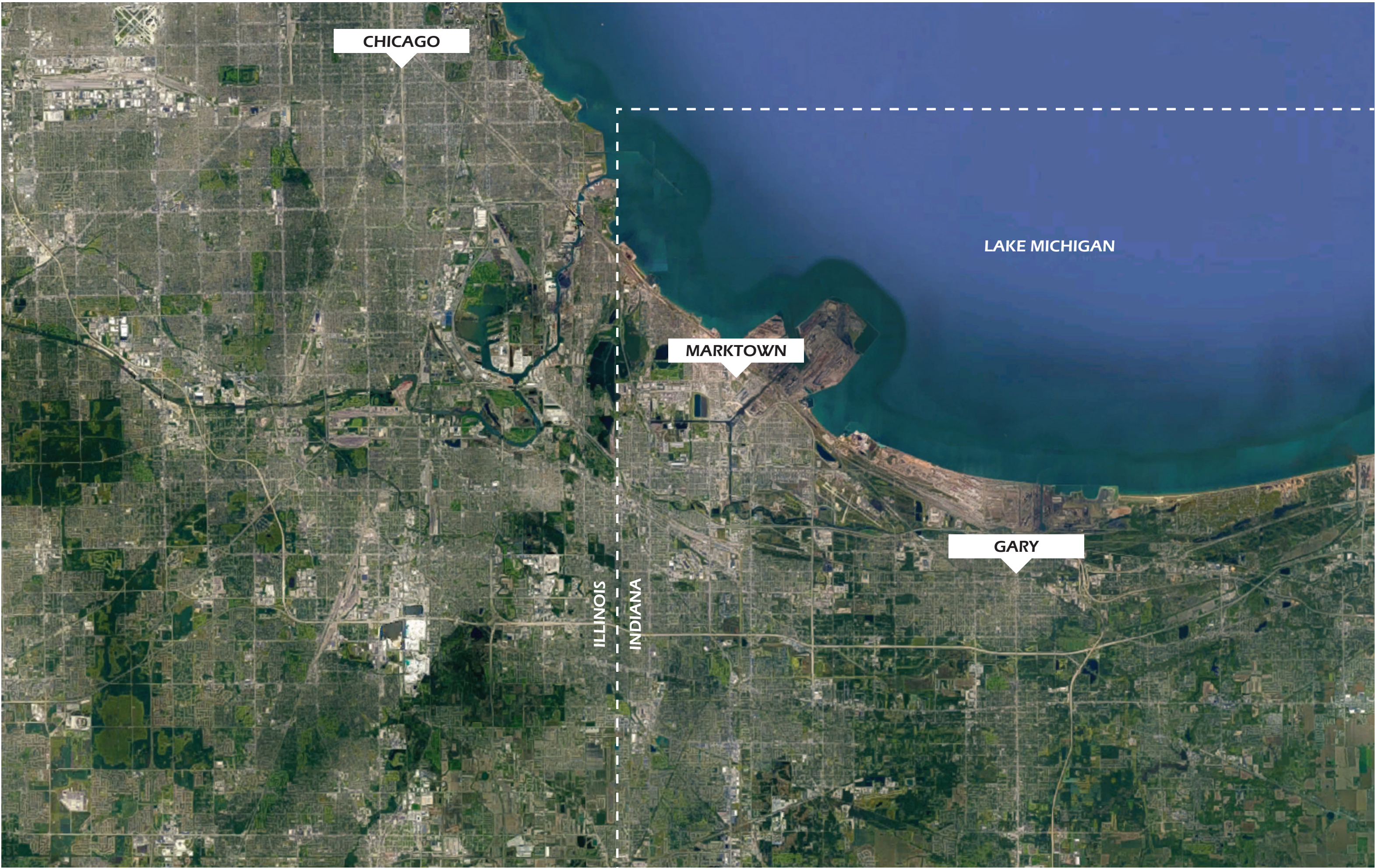
**US Locations of the
Top 60 Worst Polluters**

- | | |
|------------------------|---------------------------|
| LyondellBasell | Freeport-McMoRan |
| Boeing | Marathon Petroleum |
| Huntsman | Valero Energy |
| BASF | Edwards Lifesciences |
| Dow Inc. | Linde |
| Celanese | Phillips 66 |
| General Electric | Solvay |
| Terumo | Ametek |
| Eastman Chemical | Chevron |
| Royal Dutch Shell | ArcelorMittal |
| Ecolab | Lincoln Electric Holdings |
| National Oilwell Varco | Tenneco |
| Berkshire Hathaway | Emerson Electric |
| Mitsui | Allegheny Technologies |
| Kubota | Pentair |
| TMS International | Carpenter Technology |
| Ashland Inc. | Westlake Chemical |
| Northrop Grumman | Kingspan PLC |
| Albemarle | Parker-Hannifin |
| SPX FLOW | O'Neal Industries |
| Exxon Mobil | Middleby |
| Howmet Aerospace | PBF Energy |
| Rio Tinto | Baxter International |
| Koch Industries | United States Steel |
| Becton Dickinson | American Electric Power |
| Kennametal | BP |
| Daikin | Carlyle Group |
| Occidental Petroleum | PPG Industries |
| Akzo Nobel | TechnipFMC |
| Evonik Industries | Deere |

Since 2001, BP has paid
\$27,828,442,980
in environment-related offenses



MARKTOWN, INDIANA



CHICAGO

MARKTOWN

GARY

LAKE MICHIGAN

ILLINOIS

INDIANA

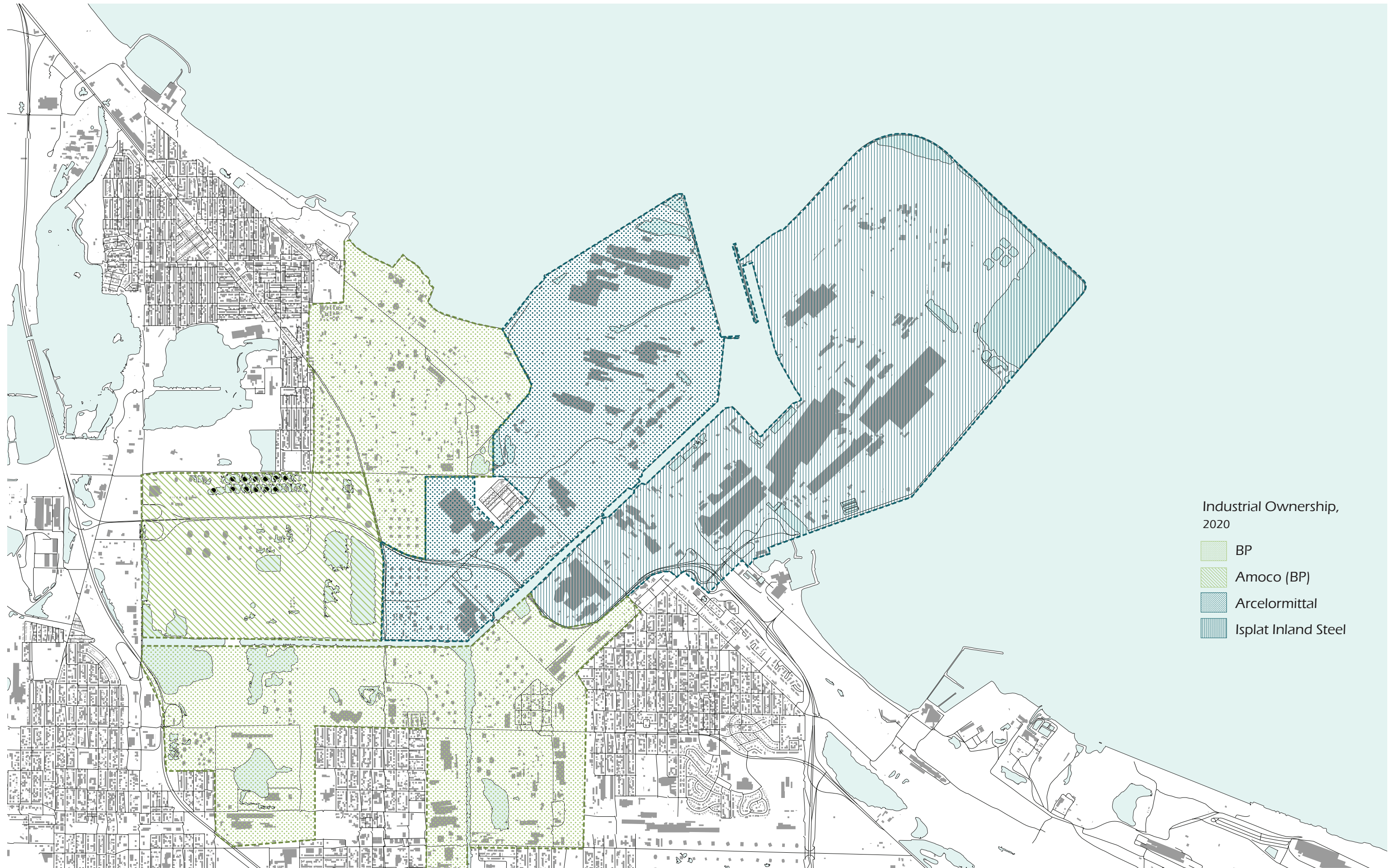


WHITING

MARKTOWN

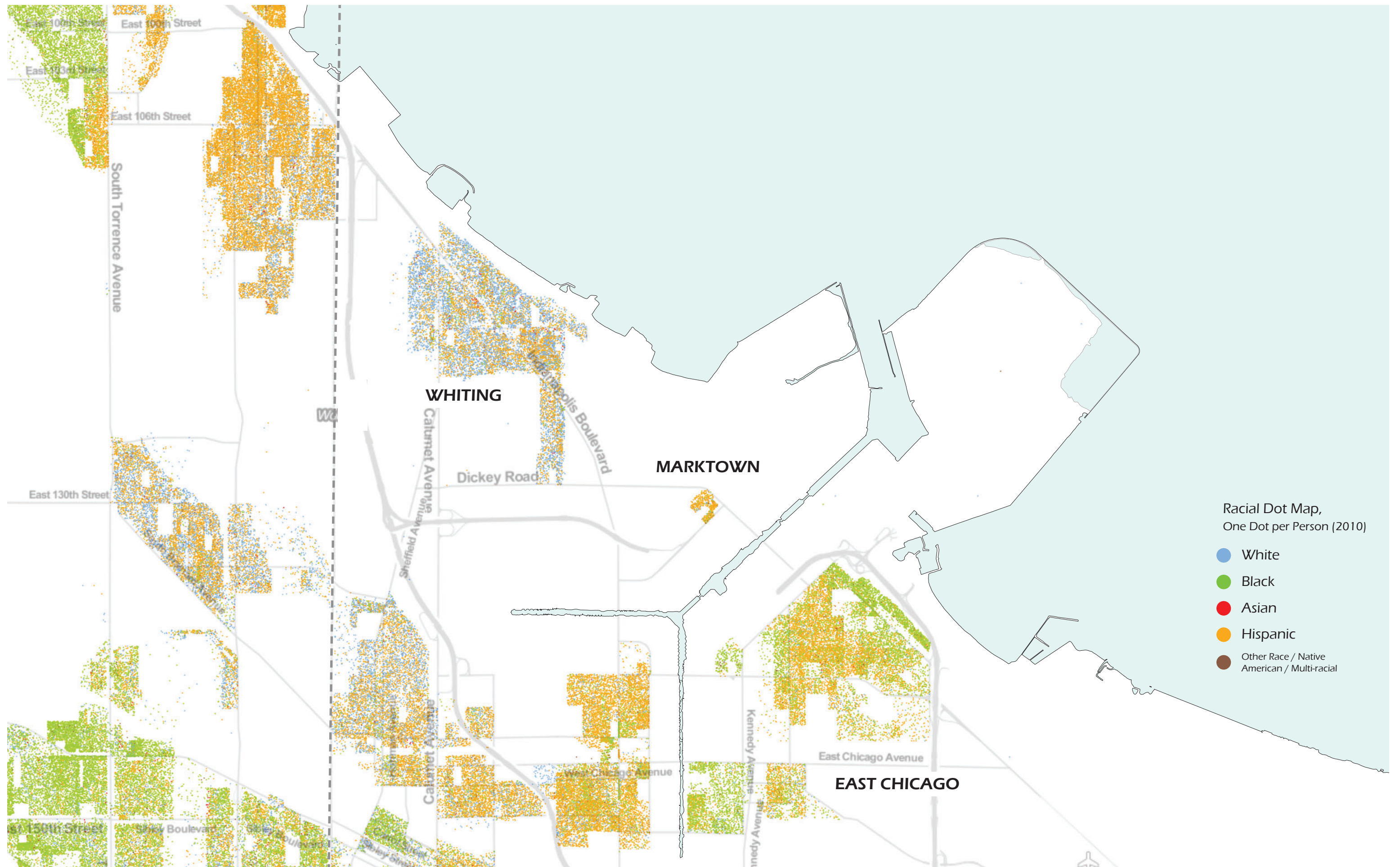
EAST CHICAGO

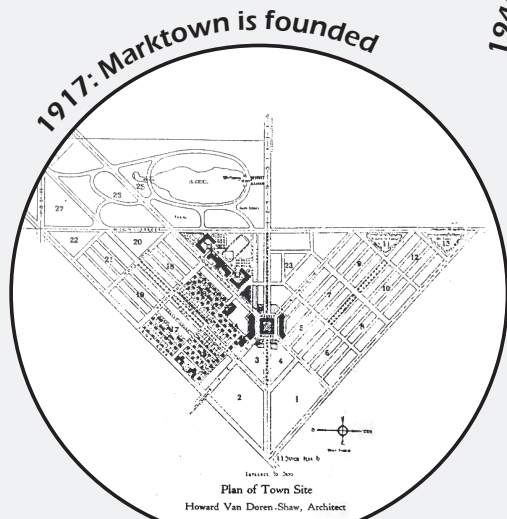




Industrial Ownership,
2020

- BP
- Amoco (BP)
- Arcelormittal
- Isplat Inland Steel





1940: Industrial Expansion



1930: Industrial Expansion



1970: Housing stock in need of repair



1975: Added to National Register of Historic Places

10-300 (Rev. 10-74)
UNITED STATES DEPARTMENT OF THE INTERIOR
NATIONAL PARK SERVICE

**NATIONAL REGISTER OF HISTORIC PLACES
INVENTORY -- NOMINATION FORM**

SEE INSTRUCTIONS IN HOW TO COMPLETE NATIONAL REGISTER OF HISTORIC PLACES INVENTORY -- NOMINATION FORM
TYPE ALL ENTRIES -- COMPLETE APPLICABLE SECTIONS

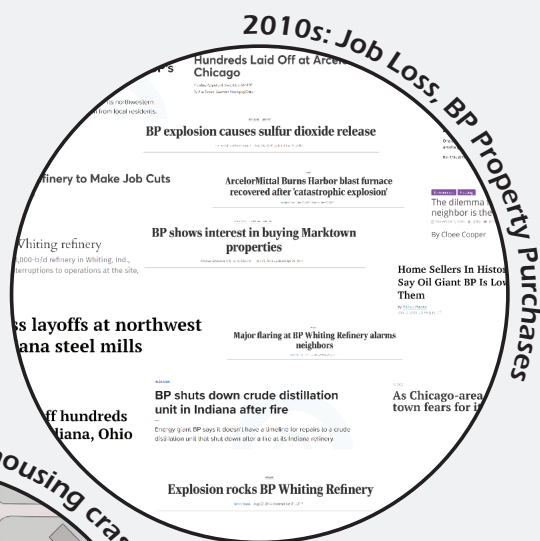
1 NAME
HISTORIC
Marktown Historic District
AND/OR COMMON

2 LOCATION
STREET & NUMBER
South West of Dickey Road
CITY, TOWN
East Chicago
STATE
Indiana
VICINITY OF
CODE
18

3 CLASSIFICATION
CATEGORY
DISTRICT
OWNERSHIP
PUBLIC
PRIVATE
BOTH
STATUS
X OCCASIONAL
X PERMANENT



2013: BP begins buying Marktown Property



← 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020 →

MARKTOWN HISTORY

BP & Marktown

Ending Rumors About BP Buying Marktown

I don't like lies or rumors about myself, those I respect or the Marktown Historic District. When I do hear them I make a concerted effort to either have them confirmed or denied. And so it was the case this past January. I had attended a conference on environmental issues and during the break a past resident of Marktown said ***"I have a good friend that's a senior engineer at BP and he told me that they have billions of dollars and their going to buy up everything in Marktown and tear it down for their refinery expansion."***

"Their gonna buy the property where that trucking company was over there by the west bridge and their going to put a bunch of the new refinery on that property too."

On January 16, 2007 I sent a letter to Mr. Thomas Keilman, Director of Public Affairs - BP Whiteing detailing the comments and asked that he respond in kind. The following is the text from his response:

February 5, 2007

Dear Mr. Myers,

This letter is in response to your January 16, 2007 letter regarding BP's intentions related to property issues in the city of East Chicago. BP has no intention of purchasing residential property in the Historic Marktown District for the BP refinery reconfiguration project. At one time BP did briefly explored the possibility of purchasing commercial property in Marktown. This option was ruled out because the property was not suitable for the specific office needs of BP or possible contractor employees. BP has never considered the possibility of purchasing residential property in Marktown.

With regard to the potential acquisition of industrial property owned by Mittal Steel directly north of Marktown, BP is currently in discussion with Mittal Steel on a potential long-term lease agreement for property on both sides of the Bridge north of 129th St. in the City of East Chicago. The details of this agreement as of now have not

been finalized. If this agreement is finalized, BP will be willing to share the details of future land use of the property with the City of East Chicago, Councilman Robert Garcia, and the residents of Marktown including you as Executive Director.

BP does appreciate your concerns related to BP's announced investment. It is critically important that BP has open lines of communication with the community and our neighbors. Once we are able to share additional details beyond what has already been previously announced we are committed to sharing this with the local community.

Please feel free to contact me at anytime regarding these issues.

Sincerely,

Thomas P. Keilman
Director of Public Affairs

Cc: Councilman Robert Garcia

2012

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2013

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2014

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2015

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2016

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2017

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2018

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



2019

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



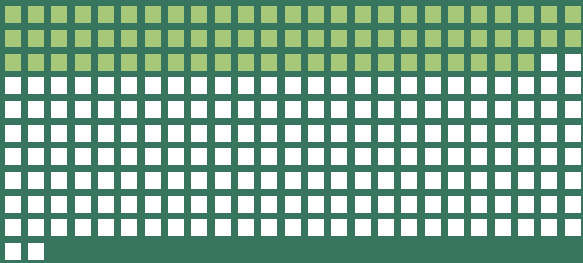
2020

TOWN OWNERSHIP

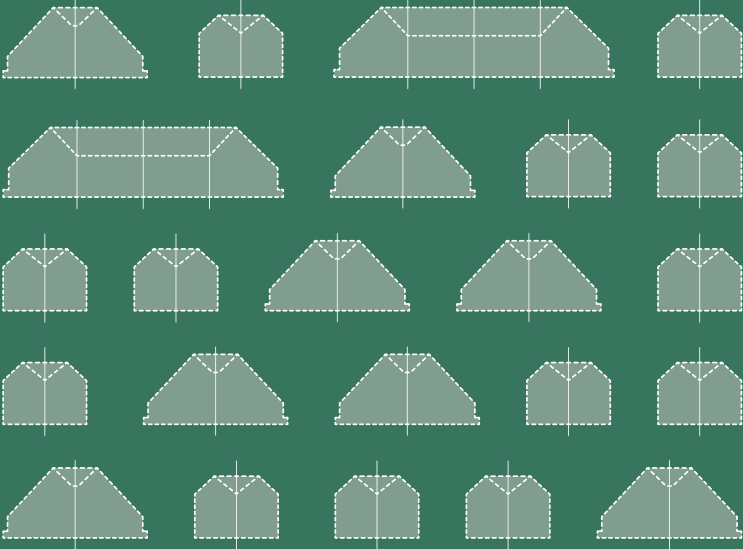
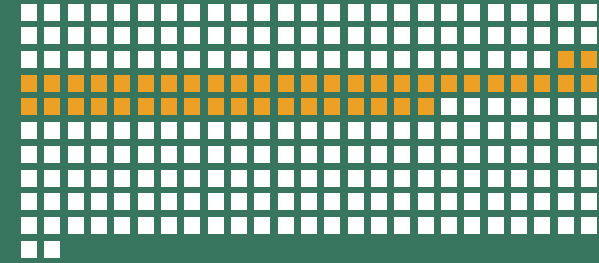
- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP



29% of Marktown Parcels
are owned by BP



18% of Marktown Parcels are
City of East Chicago property



BP has paid over
\$1.1 million
for property in Marktown

The total value of Marktown
property has gone down
21% since 2012

BP has demolished
50 HOMES
since 2014

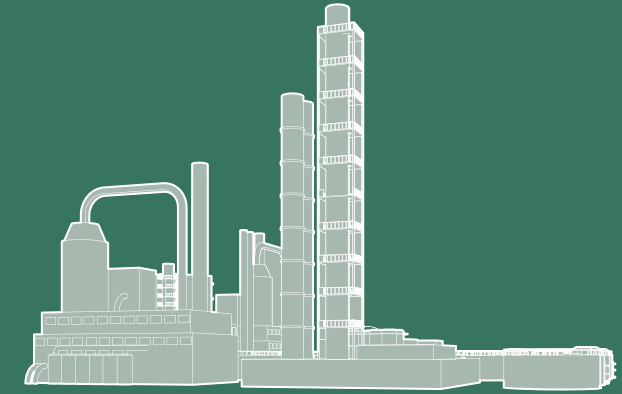
52 CERCLA/Superfund Sites

423 Hazardous Waste Sites

460 Underground Storage Tanks (USTs)

3 Wastewater Treatment Works

15 Combined Sewer Overflows (CSOs)



BP Refinery



Isplat Inland Steel, US Steel, Arcelormittal

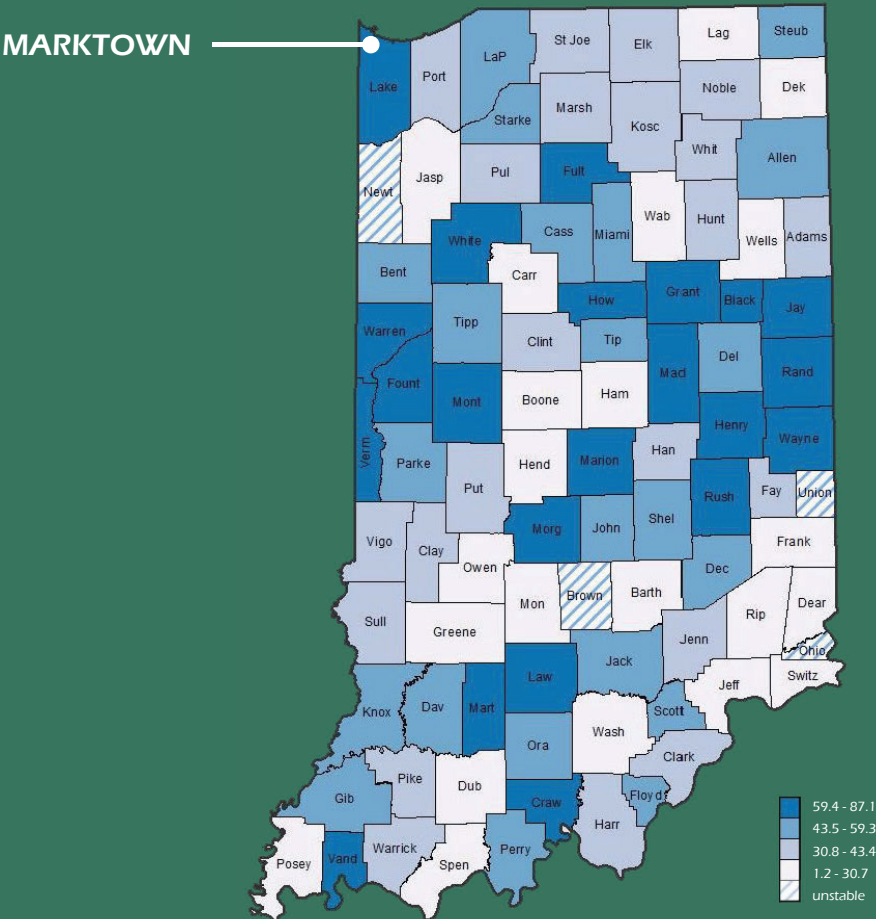


Whiting, Portside, Cokenergy Ilc, etc.

1 in 8 Residents Reported
having Cancer



ASTHMA EMERGENCY
DEPARTMENT VISITS, 2009



Lake County residents have the
8th highest risk of
cancer in the US

Hoosier Environmental Council

Lake County Asthma Rates are
1.8x the state
average

IHME & ISDH



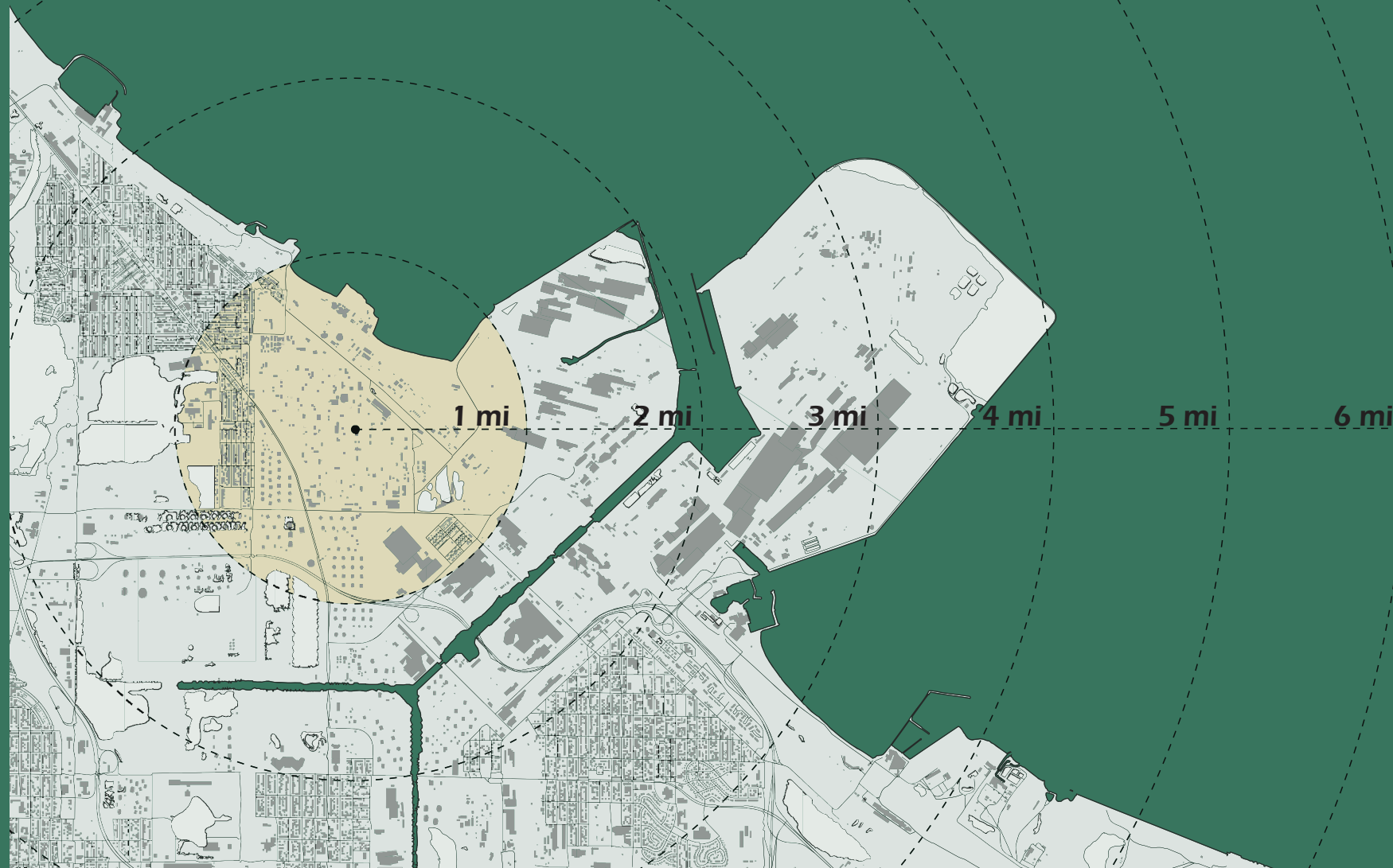
Whiting 1955



Deepwater Horizon 2010



Whiting 2014



**"Our town is a blast zone. They
[don't want us] in the blast zone.
Their actuaries tell them, 'you can
buy the whole thing up at these
prices and you won't have to
worry about it.'"**

1/26/2021

PAUL MYERS,
MARKTOWN RESIDENT
& PRESIDENT OF
MARKTOWN HISTORICAL SOCIETY



ENVIRONMENTAL CONDITIONS



MARKTOWN, SUMMER 2020

City of East Chicago



BP Refinery

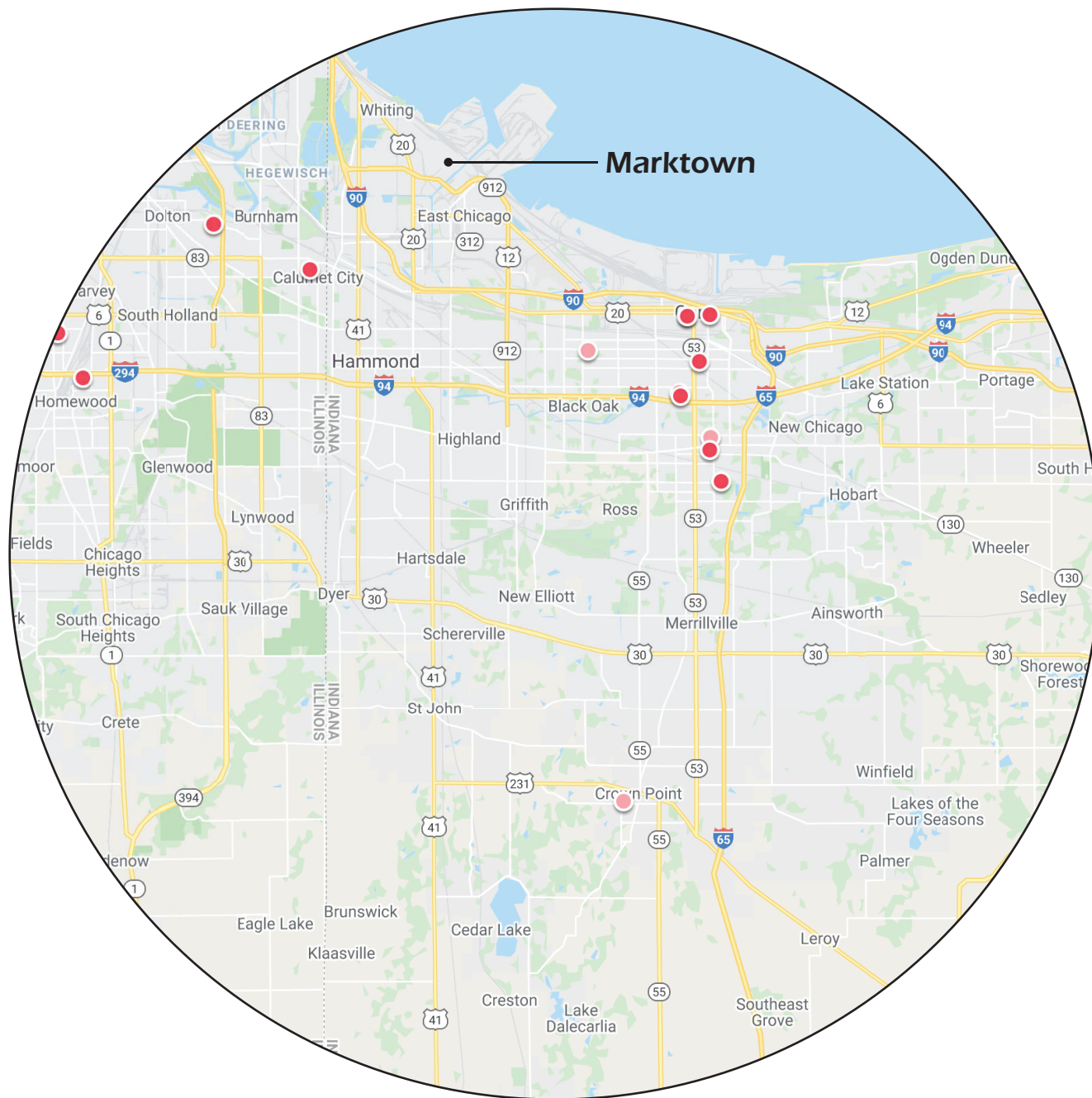


Residents



**BP paid an average of \$18,475
per parcel in Marktown**

**In the last 10 years, only 5
Marktown properties have been
sold to outside buyers**



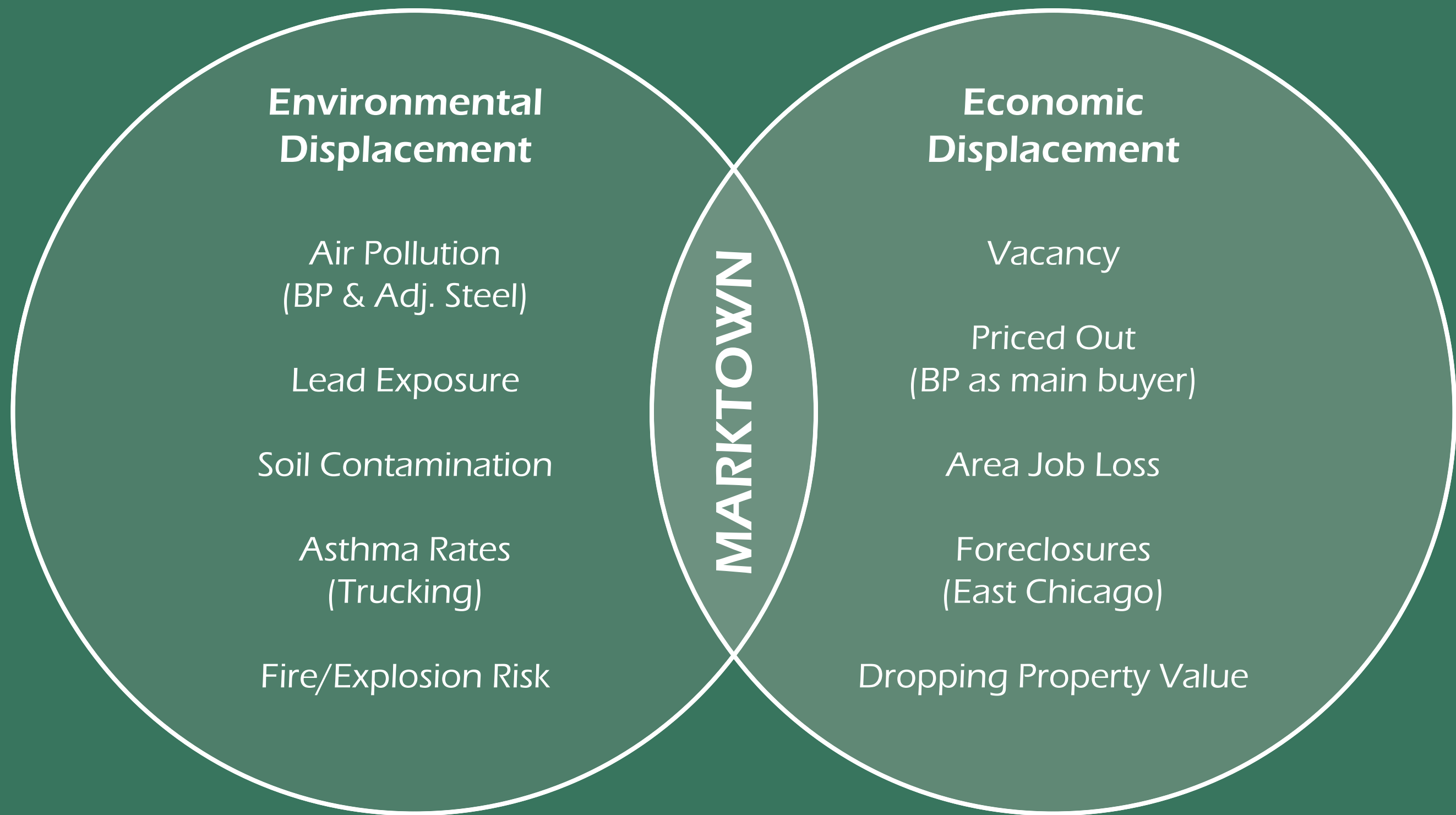
Zillow: Homes for sale under \$20,000



Residents



Residents



What is justice for a community whose power of choice has been so unjustly diminished?

TODAY



FUTURE





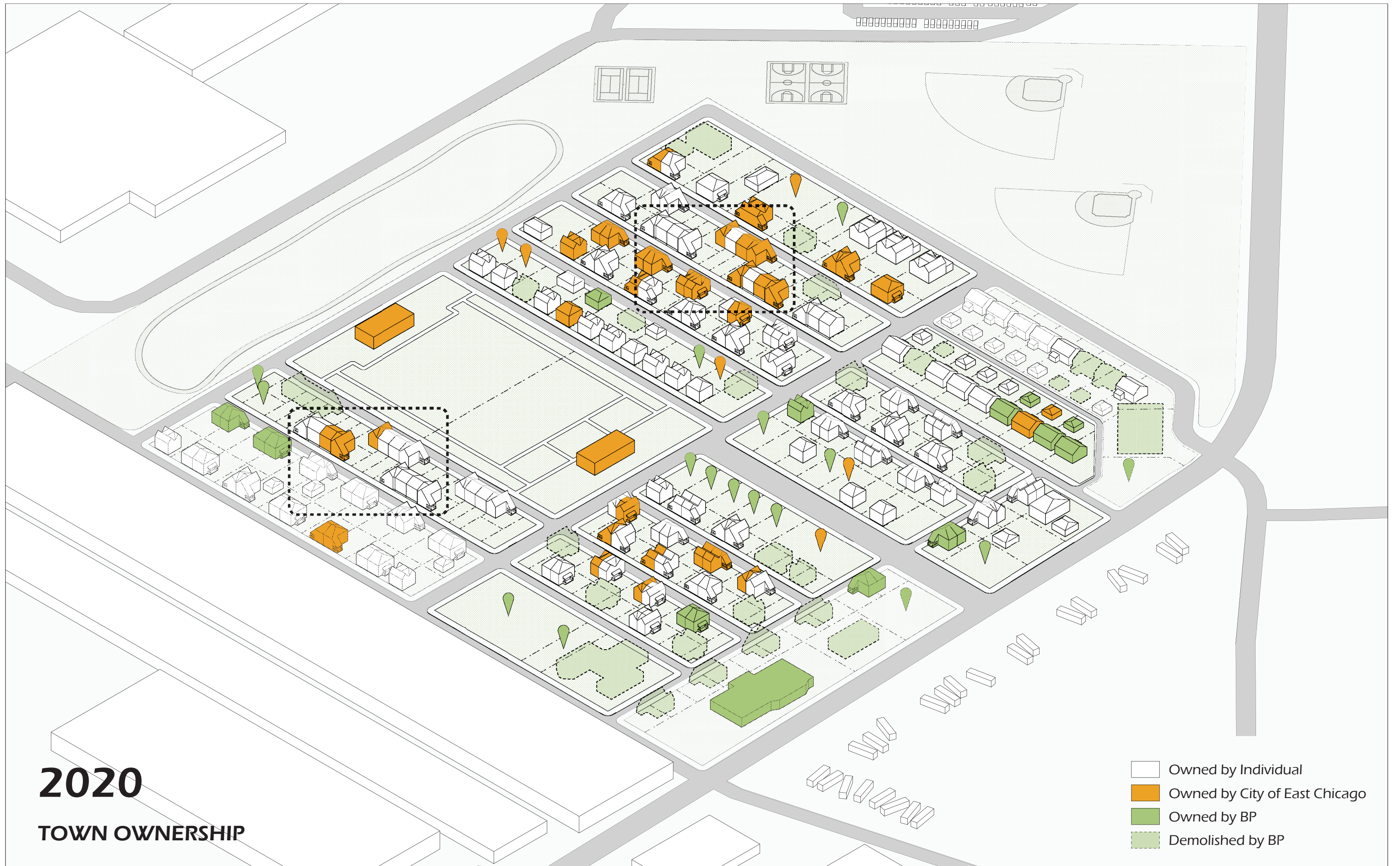


Gathering/Organizing Space

2020

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP





TODAY PROPOSAL - GATHERING AT THE QUADPLEXES



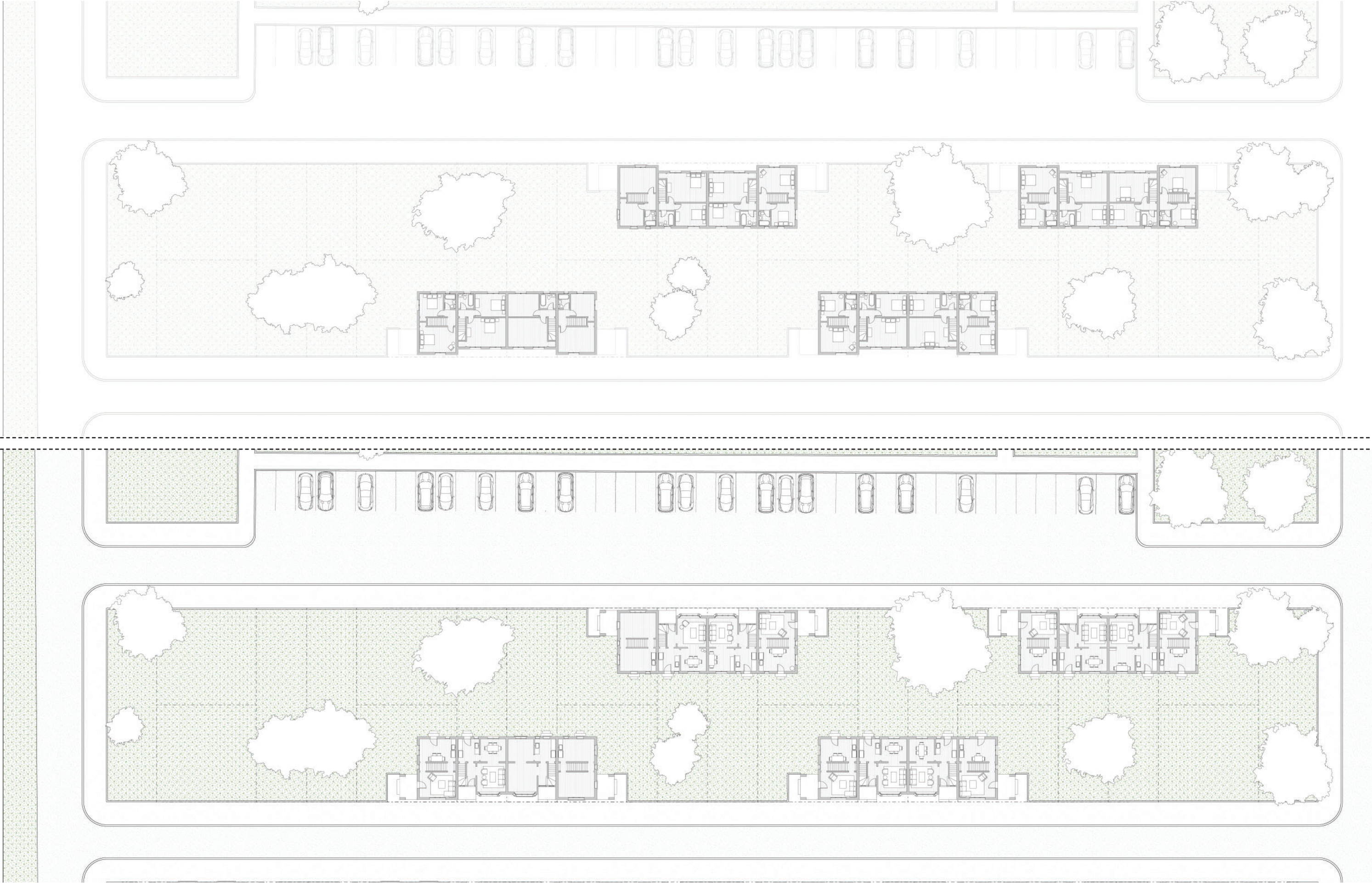


"The research presented
compels the conclusion that the
environmental justice
challenges facing the "Region"
of Gary, Hammond, and East
Chicago today can be effectively
addressed by a dedicated
environmental justice clinic."
- Hoosier Environmental Council

TODAY PROPOSAL - ACCESS TO CARE

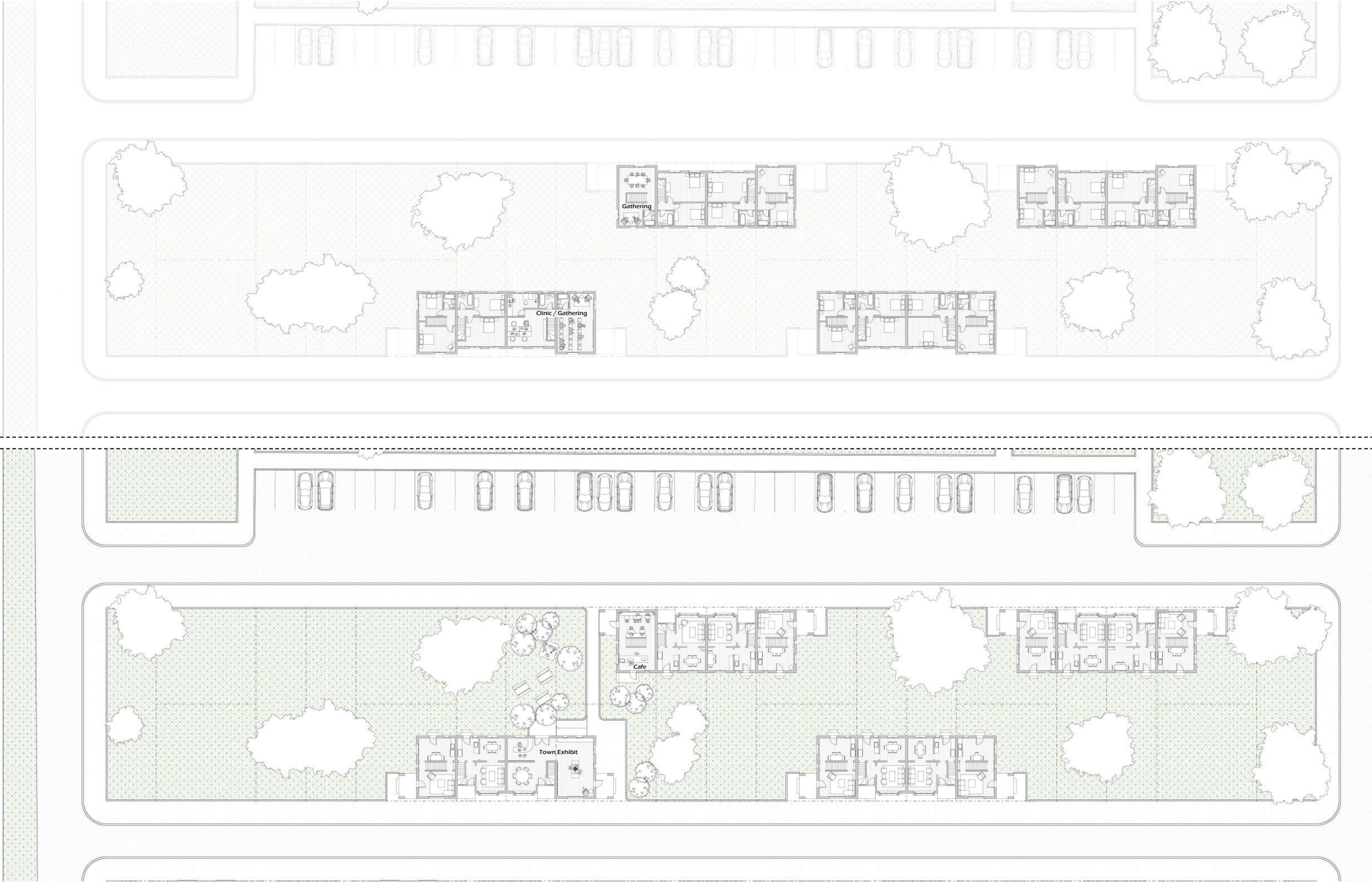


TODAY PROPOSAL - COMMUNITY CELEBRATION AT THE QUADPLEXES



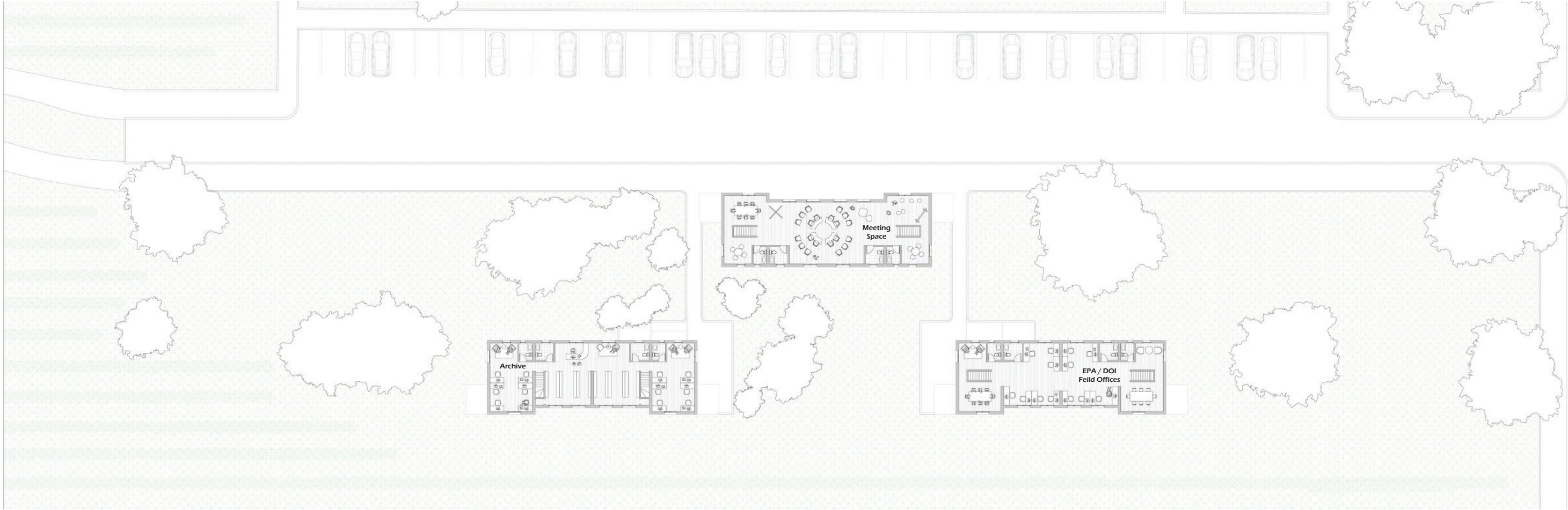
center - existing - level 1

center - existing - level 2

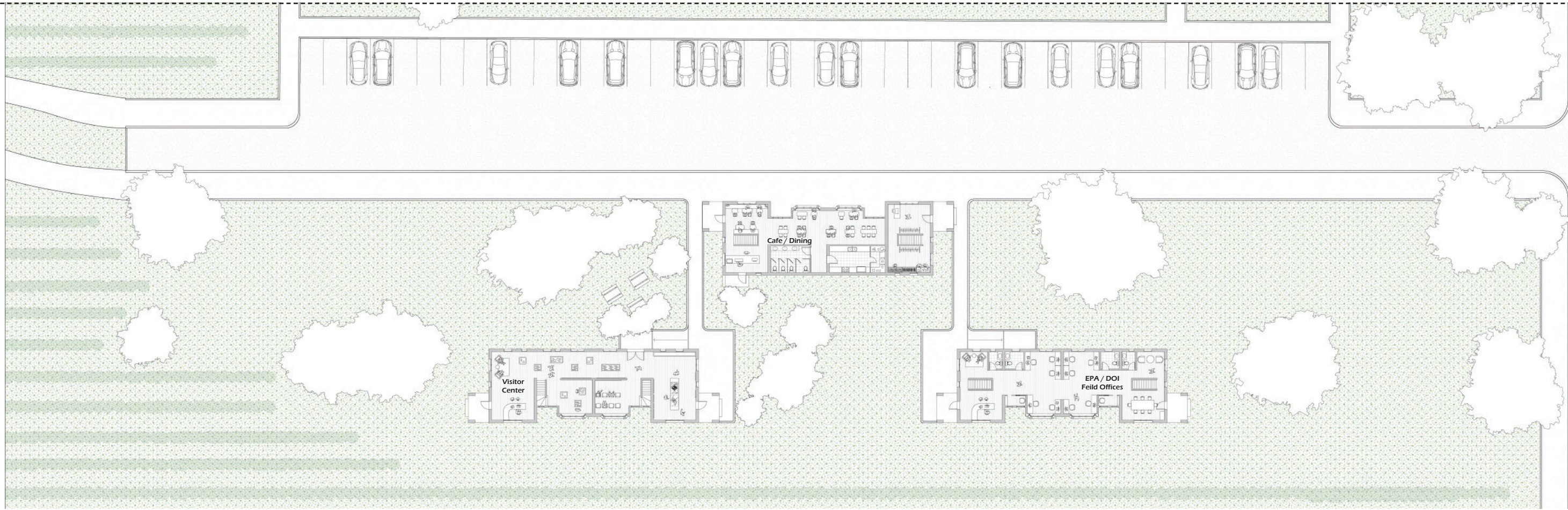


center - adaptation - level 1

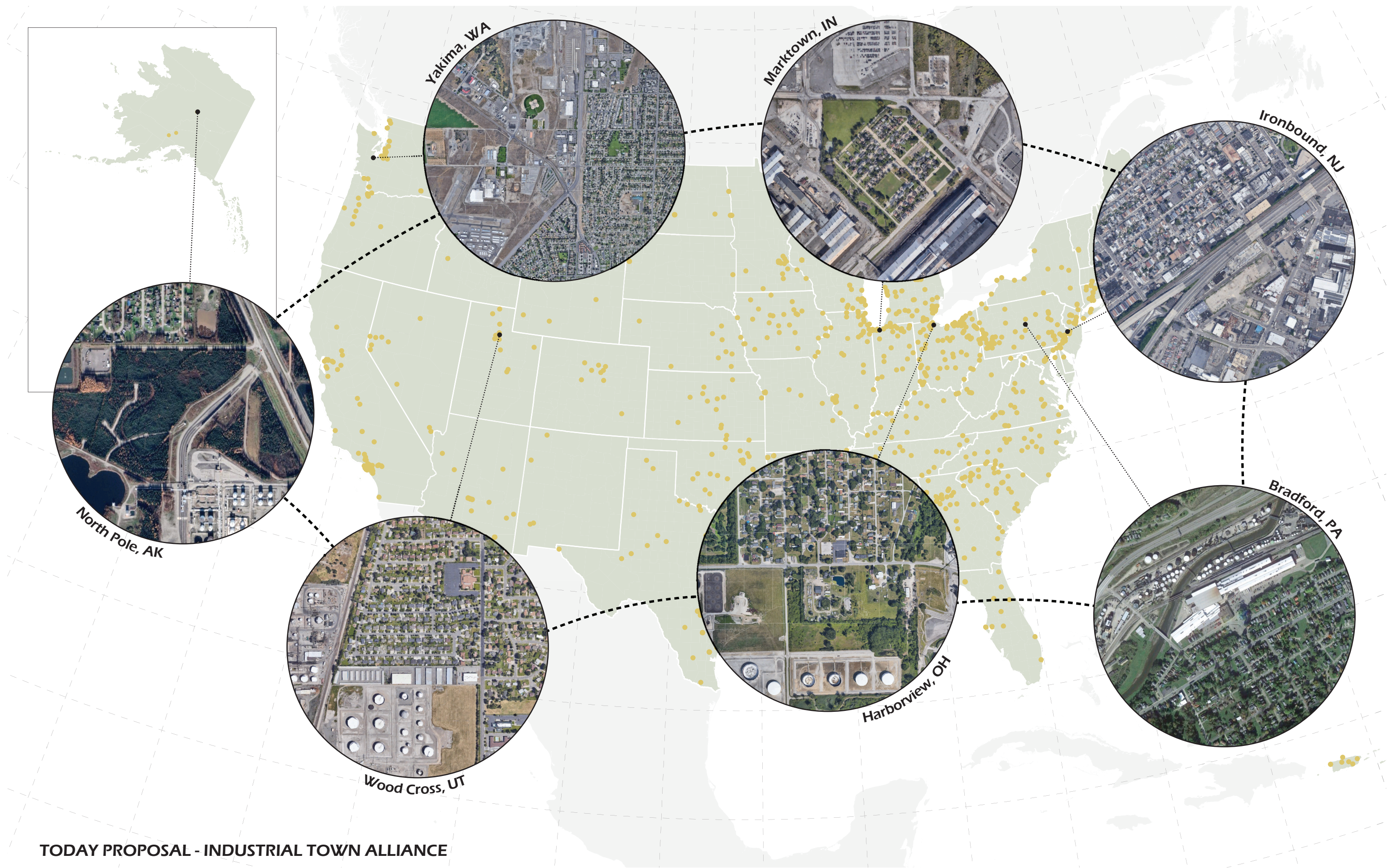
center - adaptation - level 2



center - future - level 2



center - future - level 1



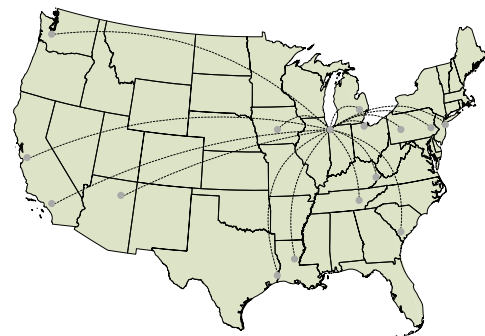
TODAY PROPOSAL - INDUSTRIAL TOWN ALLIANCE



Access to Health Resources



Historic/Community Documentation



Industrial Town Alliance



Gathering/Organizing Space

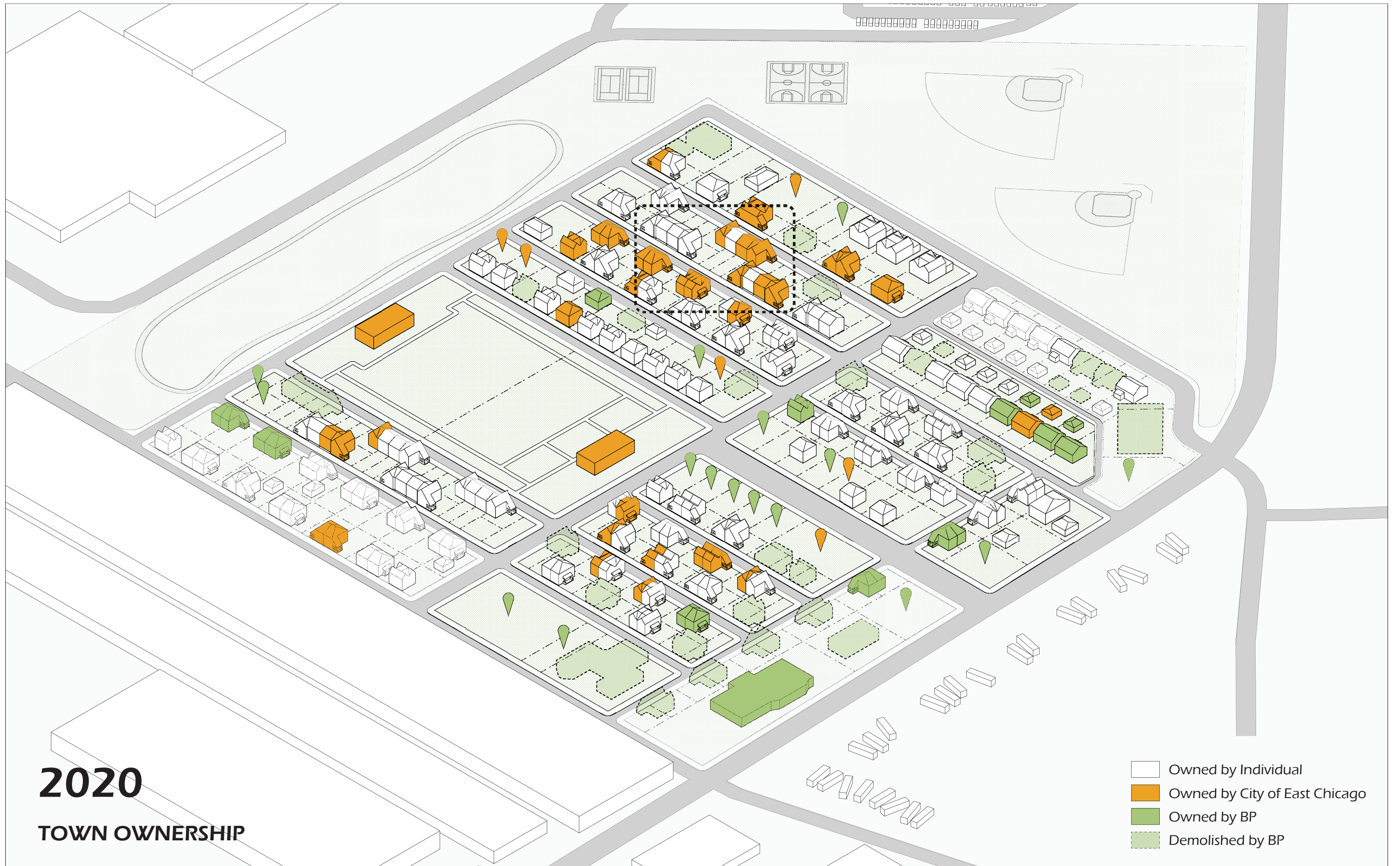


Homecoming Celebration

2020

TOWN OWNERSHIP

- Owned by Individual
- Owned by City of East Chicago
- Owned by BP
- Demolished by BP





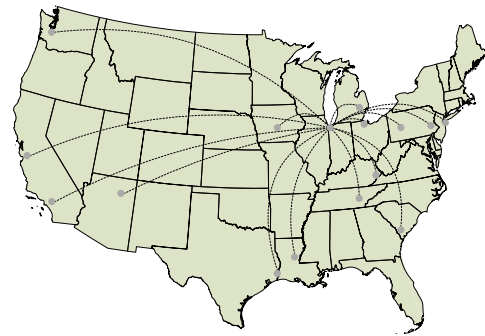
Access to Health Resources



Short Term Lodging



Historic/Community Documentation



Industrial Town Alliance



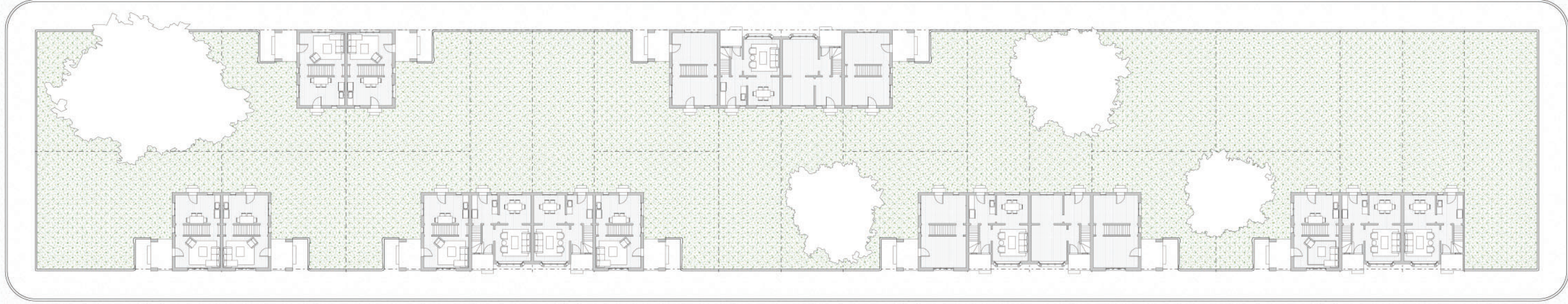
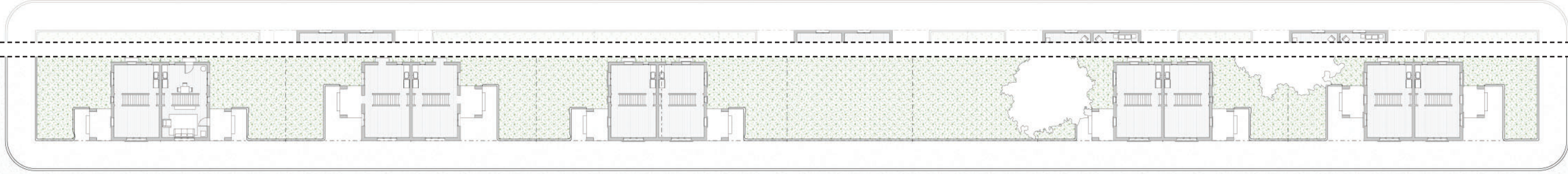
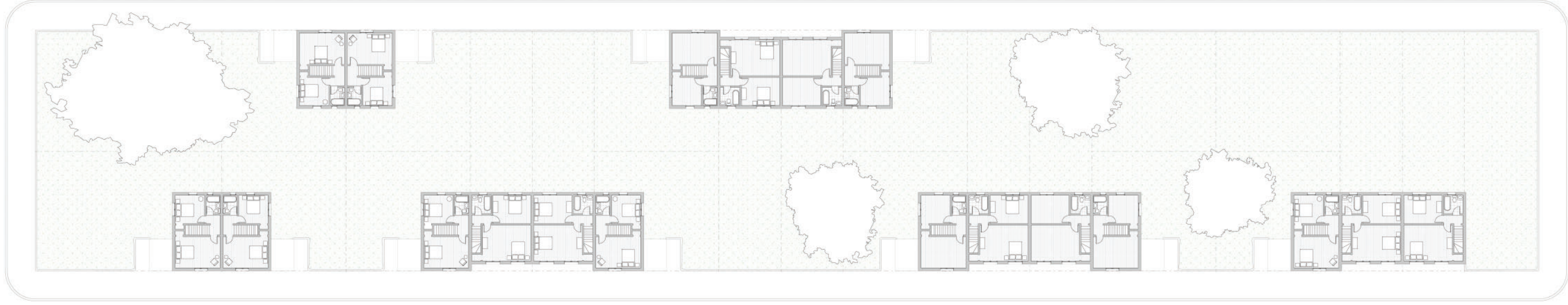
Gathering/Organizing Space



Homecoming Celebration

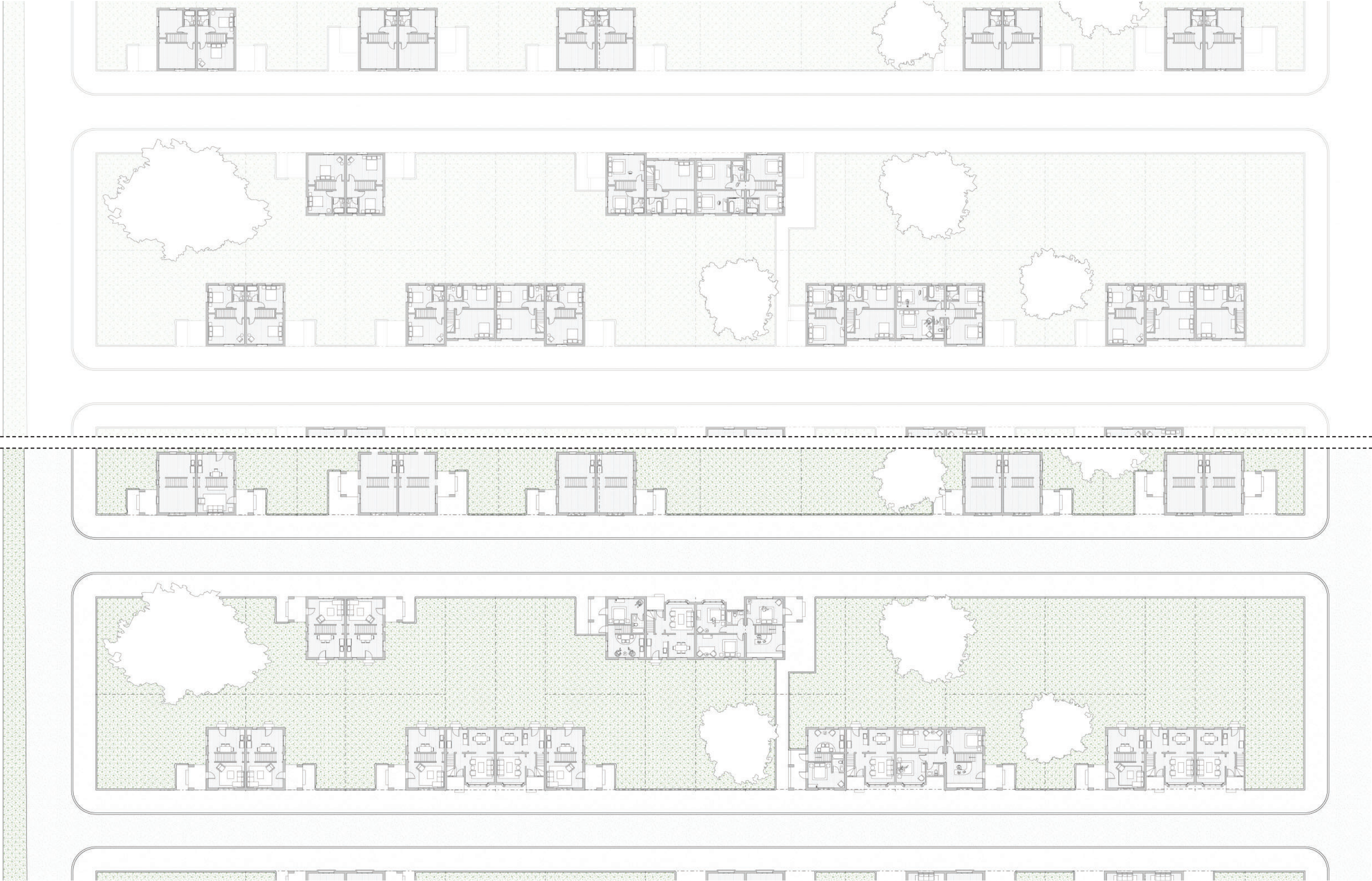


TODAY PROPOSAL - SHORT TERM LODGING AT THE QUADPLEXES



lodge - existing - level 1

lodge - existing - level 2

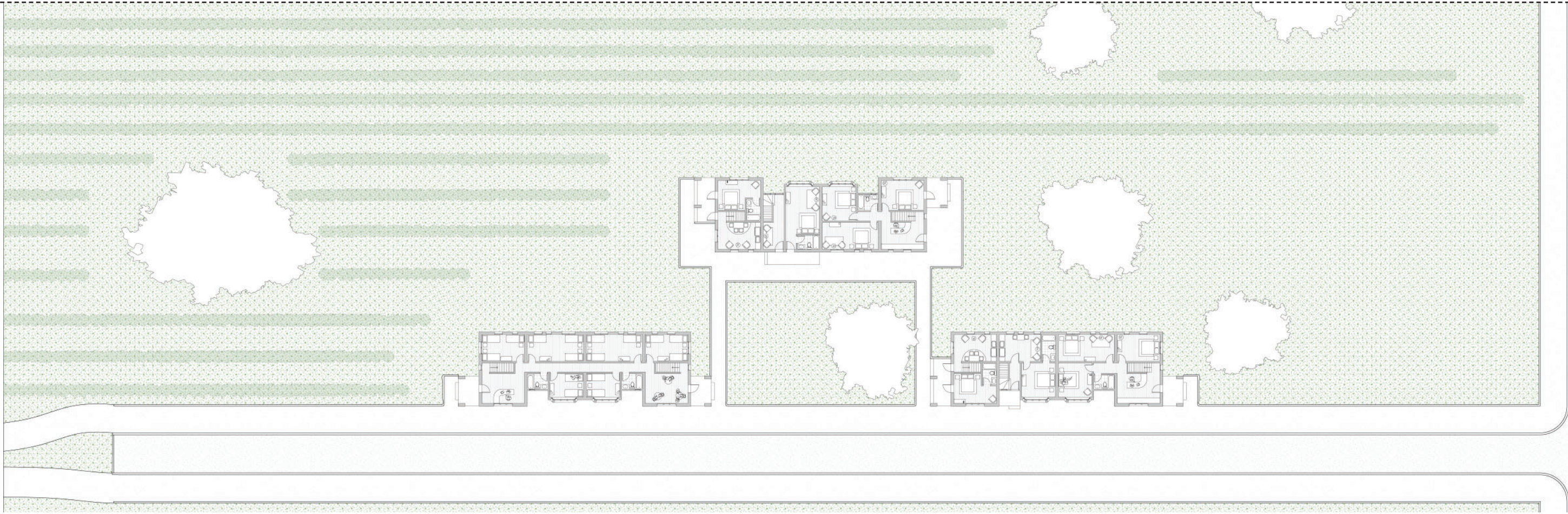


lodge - adaptation - level 1

lodge - adaptation - level 2



lodge - future - level 2



lodge - future - level 1



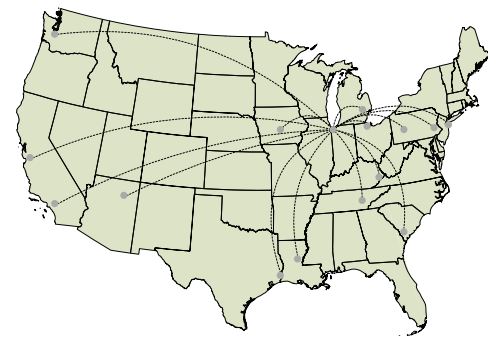
Access to Health Resources



Short Term Lodging



Historic/Community Documentation



Industrial Town Alliance



Displacement & Endangerment Funding



Gathering/Organizing Space



Homecoming Celebration



Biden Environmental Justice Funds

BIDEN ENVIRONEMTNAL JUSTICE PLAN

The Biden plan already commits to providing low-income and communities of color preference in competitive grant programs. Today, Biden commits to go even further and target 40% of his historic investment in a clean energy revolution to disadvantaged communities. Building on the ambitious New York State climate law, Biden will:

- *Target relevant investments with the goal of delivering 40% of the overall benefits from those investments to disadvantaged communities, specifically:*
- *Targeting investments made through programs related to clean energy and energy efficiency deployment; clean transit and transportation; affordable and sustainable housing; training and workforce development; remediation and reduction of legacy pollution; and development of critical clean water infrastructure; and*
- *Utilizing the results of the Climate and Economic Justice Screening Tool to help identify these disadvantaged communities, which are threatened by the cumulative impacts of the multiple stresses of climate change, economic and racial inequality, and multi-source environmental pollution. (joebiden.com)*



State of Indiana Qualified Allocation Plan

INDIANA QUALIFIED ALLOCATION PLAN

For all Developments that will impact existing tenants, provide a displacement/relocation plan.

Required Documentation: A detailed displacement/relocation plan that includes all of the following information must be submitted in Tab L:

- *Any potential permanent, temporary or economic displacement/relocation issues;*
- *The number of current tenants to be relocated;*
- *Where the tenants will be relocated during the rehabilitation and for the length of time;*
- *How displacement/relocation will be minimized and how relocation expenses will be paid for if they are incurred;*
- *Displacement/relocation assistance plan (e.g. Who will get assistance? How much assistance will they receive? When and how will they receive their assistance? Who will provide advisory services to those displaced?); and*
- *Anticipated relocation budget with itemized expenses. Note: Relocation expenses must also be listed in the development budget in Form A.*

ACTIVATING QUADPLEXES



DOCUMENTING MARKTOWN



ACCESS TO CARE



SUPPORT FOR CELEBRATION



A PLACE TO COME HOME TO



INDIANA QUALIFIED ALLOCATION PLAN

For all Developments that will impact existing tenants, provide a displacement/relocation plan. Required Documentation: A detailed displacement/relocation plan that includes all of the following information must be submitted in Tab L:

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- Where the tenants will be relocated during the rehabilitation and for the length of time;
- How displacement/relocation will be minimized and how relocation expenses will be paid for if they are incurred;
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Short Term Lodging



Gathering/Organizing Space



Homecoming Celebration

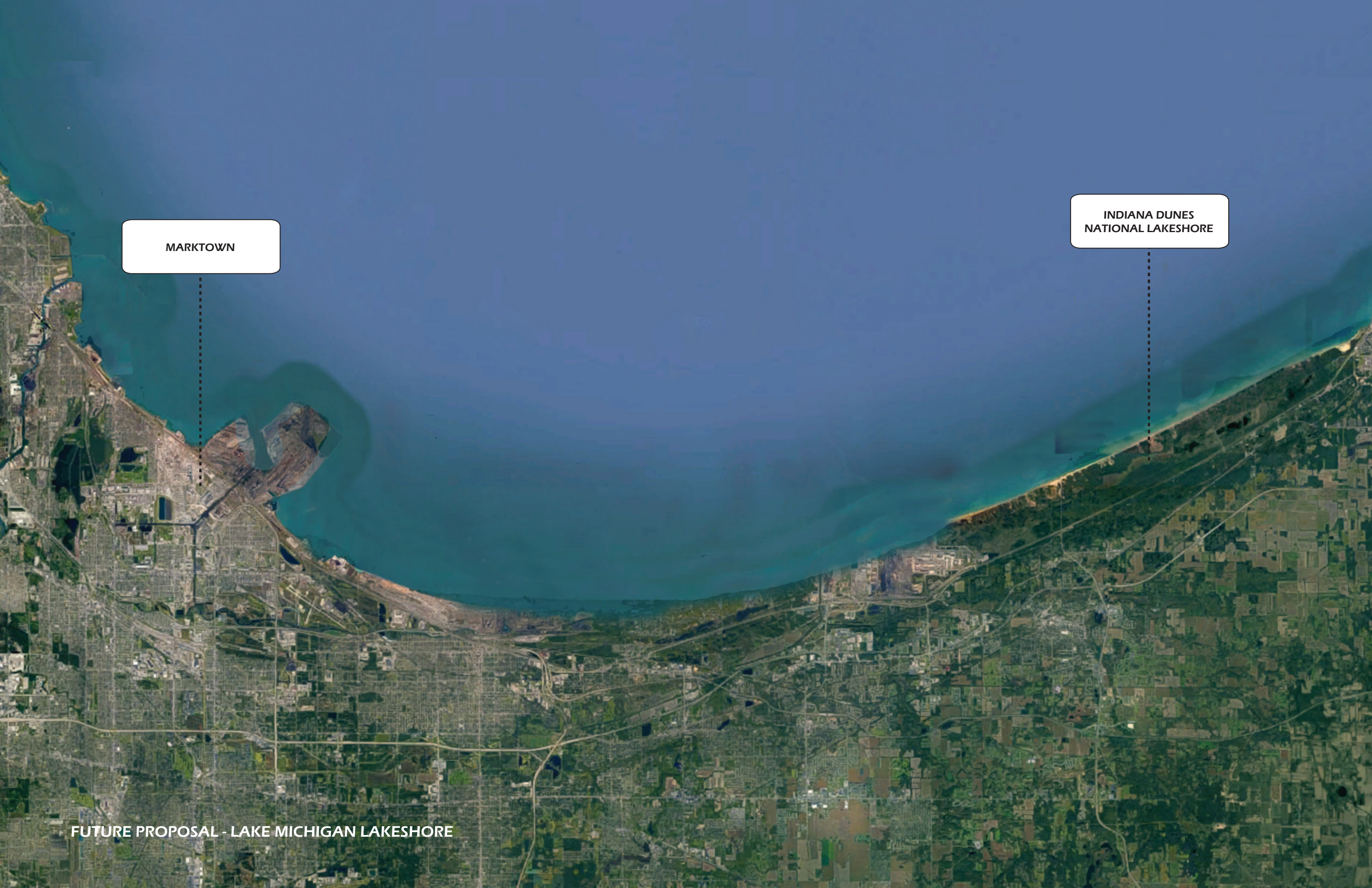




FUTURE PROPOSAL - ENERGY GENERATION



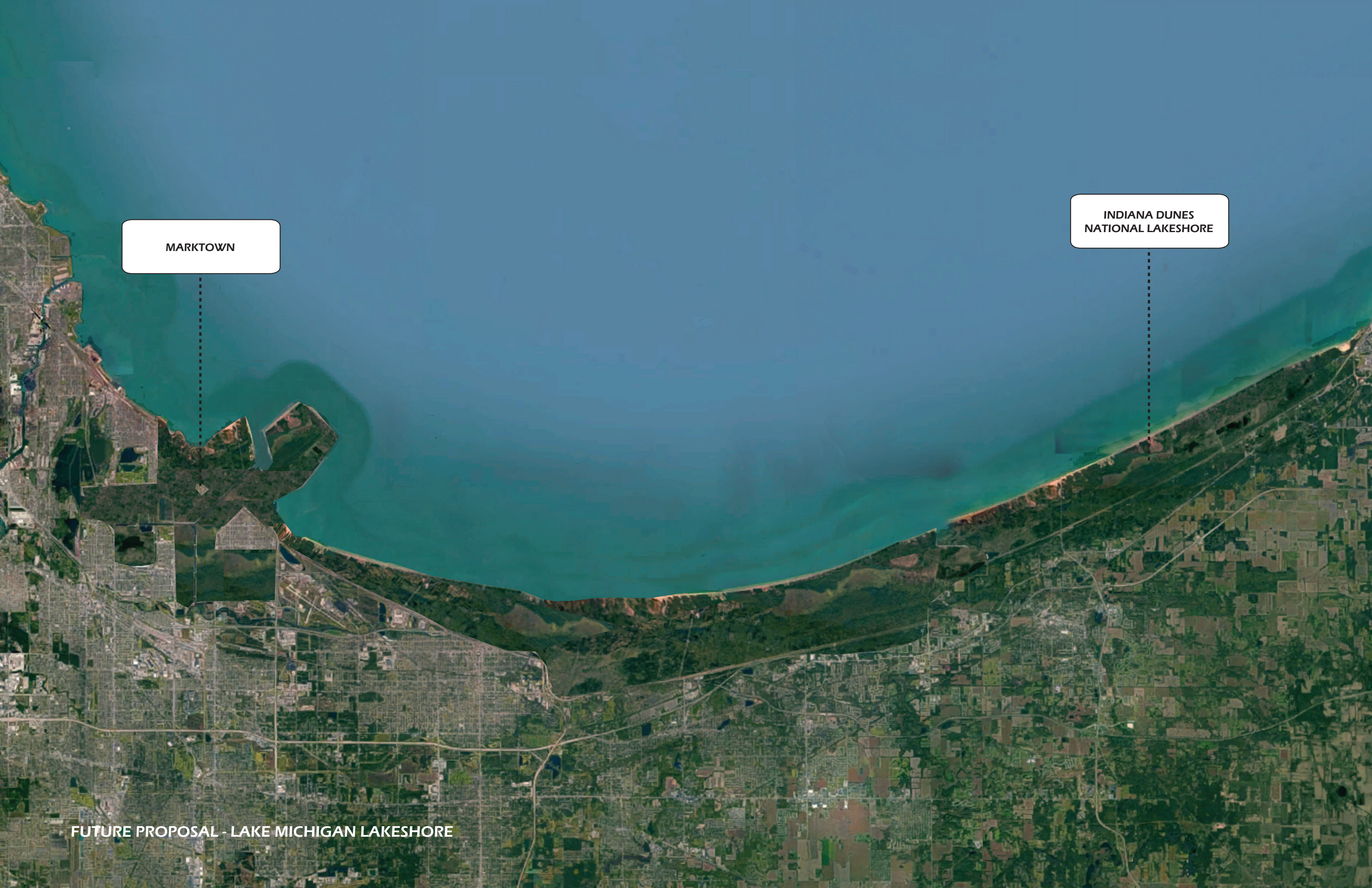
FUTURE PROPOSAL - STRATEGIC PLANTING: MANAGED FORESTS & REMEDIATION



MARKTOWN

INDIANA DUNES
NATIONAL LAKESHORE

FUTURE PROPOSAL - LAKE MICHIGAN LAKESHORE



MARKTOWN

INDIANA DUNES
NATIONAL LAKESHORE

FUTURE PROPOSAL - LAKE MICHIGAN LAKESHORE



FUTURE PROPOSAL - SHORT TERM LODGING AT THE QUADPLEXES

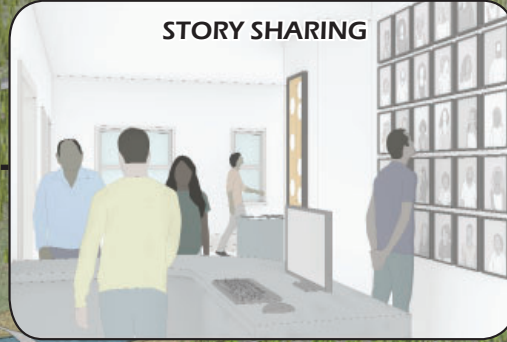


FUTURE PROPOSAL - COMMUNITY CELEBRATION AT THE QUADPLEXES

SUSTAINED INVESTMENT



STORY SHARING



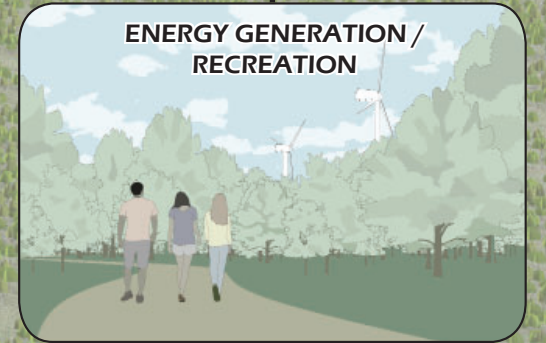
SUPPORT FOR CELEBRATION



A PLACE TO HOST VISITORS



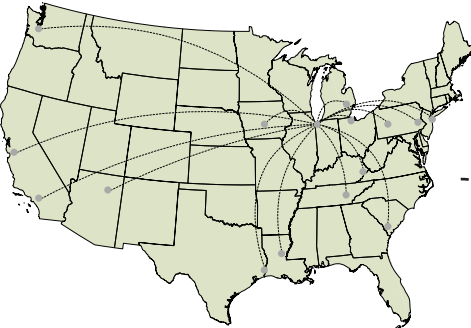
ENERGY GENERATION / RECREATION



STRATEGIC PLANTING



Marktown Futures



Industrial Town Alliance



Displacement & Endangerment Funding



Historic/Community Documentation



Gathering/Organizing Space



Access to Health Resources



Recreation



Energy Generation



Remedial Planting



Managed Forestry

Project Description

In order to build a future of options, *Marktown Futures* proposes several strategies. These tactics range from explicitly spatial (utilizing vacant homes and the space between vacant homes as gathering, organizing, and community documentation space) to economic policy (adapting Indiana’s Qualified Allocation Plan for displacement

funding from BP). In sum, this set of tools aims to facilitate a totally alternate—but possible—future. A future in which we value the health of communities over our dependency on oil and gas. In this reality, we imagine that BP is forced to close their Indiana Harbor operations and due to the scale of remediation, the surrounding land

falls into the jurisdiction of the Department of the Interior. In conjunction with the remaining and past residents of Marktown, the town and surrounding area adapt into a entirely new context, reclaiming their space and redefining ‘productive’ land.



How does a group of people fight such a large corporation?

Architecture & Planning certainly had a role in creating Marktown's obstacles, but does it have a role in solving them?

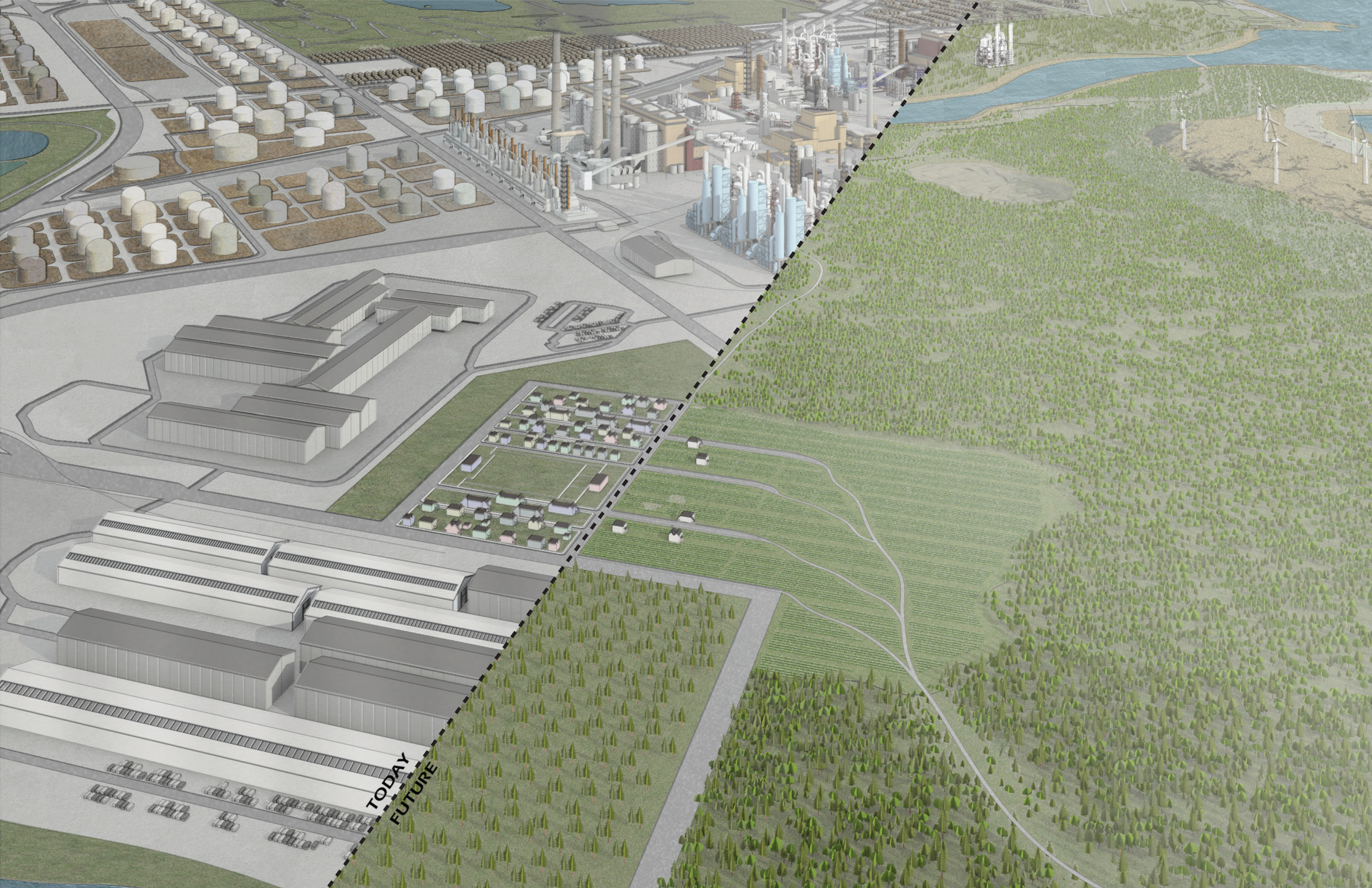
How can environmental justice initiatives be more inclusive of the populations they intend to serve?

What is safety for someone who can't (or won't) leave an unsafe home?

How do we calculate the health risks of being removed from one's community?

What responsibility do I have, as an architecture student, to realism when exploring real life issues? Is speculation even appropriate in the case of Marktown?

When will we stop poisoning people with our excessive resource use?



TODAY
FUTURE