GATHERER’S POINT

DECENTRALIZED, RESILIENT FOOD SYSTEM FOR NYC

INTEGRATING RESEARCH, URBAN FARMING, MARKET, FOOD PROCESSING, AND EDUCATION
CONCEPT - FOOD

GATHERER'S POINT
ATV: URBAN SYSTEMS INTEGRATION
CONSULTANTS:
EMILY BAUER (BAULAND)
VINCENT LEE (ASLPU)
JOSH MARGUL
BRUCHAPILO
THOMAS SLATER (TRANSolar)
TEAM:
SIXUAN LIU
VERA MONTARE
SNAVY
TIANYU YANG
CHARLOTTE YU

FOOD FLOW
ORANGE: ACTIVITIES EXISTING IN 5-MIN WALKING DISTANCE FROM SITE
BLACK: POTENTIAL ACTIVITIES

FOOD PRODUCTION
- Grow Produce
- Harvest Produce
- Sorting + Packaging
- Transportation

FOOD USE
- Cooking
- Consuming

WASTE
- Recycling
- Composting
- Aerobic Composting
- Anaerobic Composting
- Vermicomposting

RECYCLING
- Paper
- Plastics
- Glass
- Metals

FACTORIES
- Food Processing

PRODUCING ORGANISATIONS
- Industrial Warehouses
- Refrigerated Trucks

CONSUMPTION
- Commercial Kitchens
- BBQ
- Private Home Kitchens
- Communal Kitchens
- S'mores Pit

SUPPLIERS
- Grocery Stores
- Delis
- Supermarkets
- Farmers Markets
- Food Trucks

WHOLESALE
- Wholesalers

EAT
- Bars
- Restaurants
- Drive-In
- Cafes
- Butchers
- Food Court

COLLECT EGGS
COLLECTING HONEY
FRUIT AND VEGETABLE PICKING
URBAN BEE HIVES
COMMUNITY GARDENS
GREENHOUSE
ABANDONED LOTS
ROOFTOP FARMING
AQUAPODS
VERTICAL FARMS
WASTE MANAGEMENT SERVICE
LANDFILL
WASTE-TO-ENERGY (BIOFUEL)
<table>
<thead>
<tr>
<th>BUILDINGS</th>
<th>FOOTPRINT (SQFT)</th>
<th># STORIES</th>
<th>OCCUPANTS: EMPLOYEES</th>
<th>OCCUPANTS: VISITORS/DAY</th>
<th>ENERGY (KWH/SQFT/YR)</th>
<th>TOTAL ENERGY (KWH/YR)</th>
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</thead>
<tbody>
<tr>
<td>HIGHRISE HOUSING</td>
<td>320,000</td>
<td>6</td>
<td>60</td>
<td>300</td>
<td>10</td>
<td>19,200,000</td>
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<td>LOWRISE HOUSING</td>
<td>300,000</td>
<td>3</td>
<td>5</td>
<td>300</td>
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<td>RESEARCH HUB</td>
<td>53,000</td>
<td>3</td>
<td>300</td>
<td>50</td>
<td>31</td>
<td>14,136,000</td>
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<tr>
<td>F&amp;B AND RETAIL</td>
<td>320,000</td>
<td>2</td>
<td>300</td>
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<td>14</td>
<td>8,960,000</td>
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<tr>
<td>RESEARCH AND COM-</td>
<td>320,000</td>
<td>3</td>
<td>5</td>
<td>200</td>
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<td>BIOMASS PLANT</td>
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<td>INDUSTRIAL</td>
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<td>800</td>
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<td>224,220,000</td>
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<td>WITH GREENROOFS</td>
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<tr>
<td>(1,763 sqft decrease in footprint, 50,000,000 sqft decrease in UHI effect)</td>
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<td>OUTDOOR SPACE</td>
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<td>PEDESTRIAN ZONE</td>
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<td>500</td>
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<tr>
<td>ESPLANADE/</td>
<td>700,000</td>
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<td>20</td>
<td>1000</td>
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<td>WATERFRONT</td>
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<td>RAILYARD</td>
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<tr>
<td>HEAVY VEHICLE</td>
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<td>ROUTES</td>
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<td>(800,000 sqft decrease)</td>
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<td>GREEN STREETS</td>
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<td>5055</td>
<td>133</td>
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<td>331,626,000</td>
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28.715 MW

*FREIGHT NYC.* NYCEDC. ACCESSED MAY 5, 2020. HTTPS://EDC.NYC/FREIGHT-NYC.

*HUNTS POINT PENINSULA.* NYCEDC. ACCESSED MAY 5, 2020. HTTPS://EDC.NYC/PROJECT/HUNTS-POINT-PENINSULA.


*SUNSET PARK GREEN RESILIENT INDUSTRIAL DISTRICT.* NEW YORK, NY, 2019.
