Planning for a Resilient Rockaways

A Strategic Planning Framework for Arverne East



ALLIANCE





Demographics & Background

Arverne East 10,142 residents

- 64% African
 American
- 23% Hispanic
- 8% Caucasian

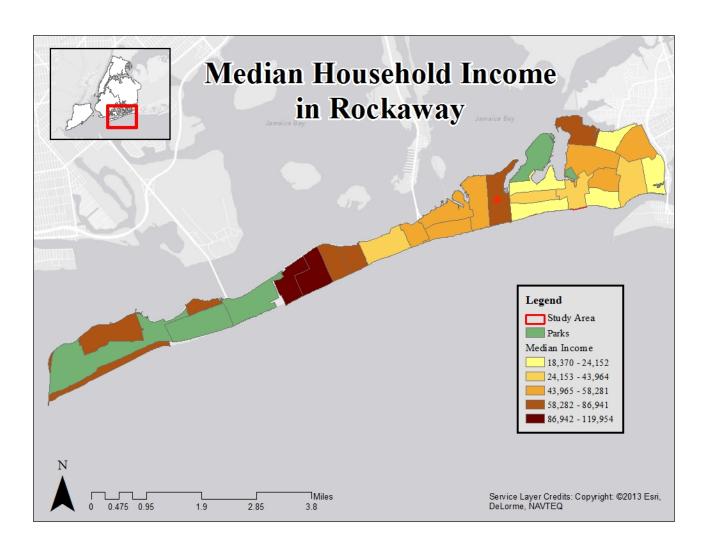
Age distribution

- 31% are < 18
- 11% are 65+

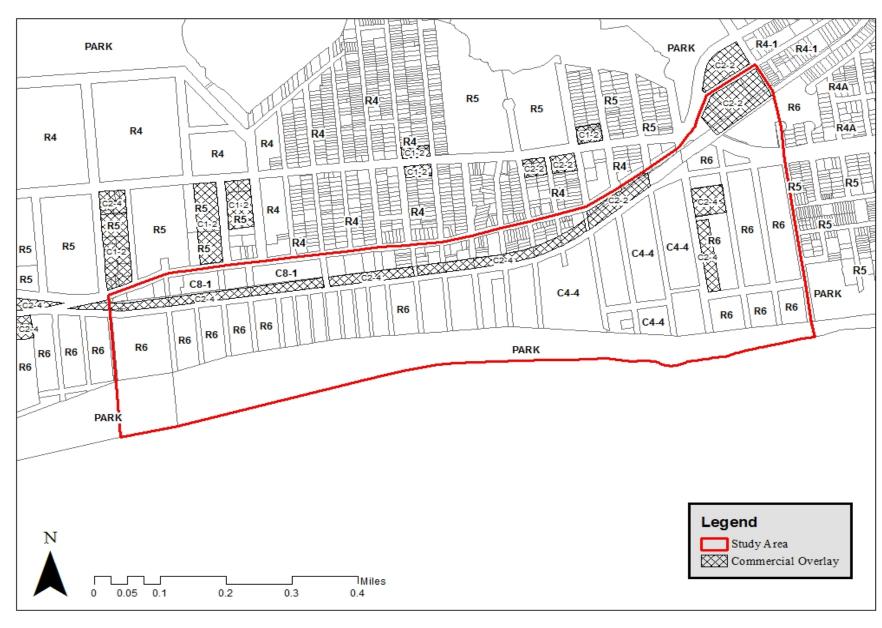
Median HH Income

• \$16,224 - \$44,119

Source: U.S. Census Bureau, 2010 (tracts 972.02, 972.04, 992)



Zoning and Land Use







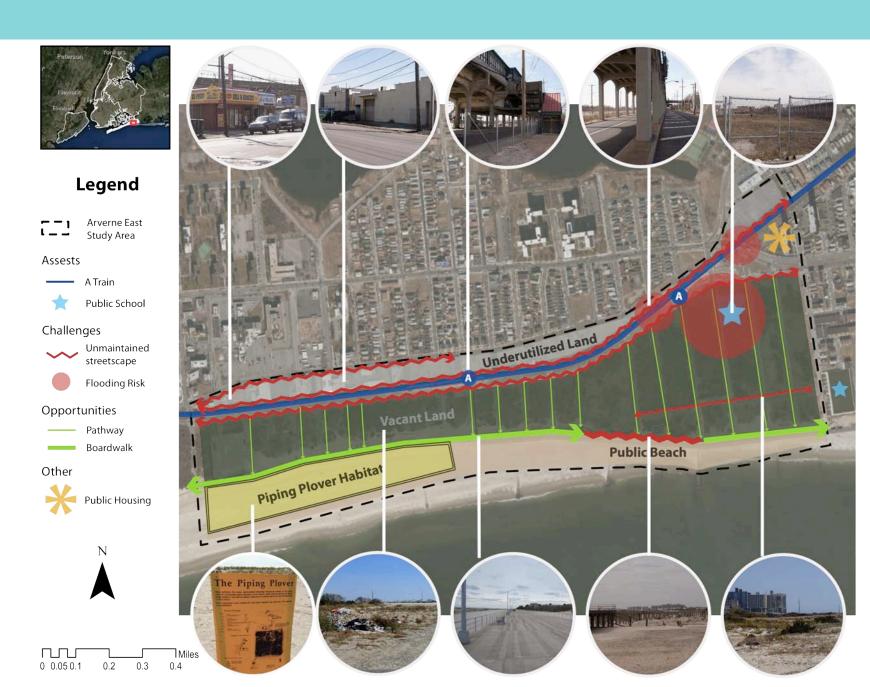




Advisory Base Flood Elevation Map



Existing Conditions



Outreach



CB14



Queens Community Board Fourteen represents the neighborhoods of The Rockaways: Arverne, Bayswater, Belle Harbor, Breezy Point, Broad Channel, Edgemere, Far Rockaway, Neponsit, Rockaway Beach, Rockaway Park, Rockaway Point, and Roxbury.









AAP Cornell Architecture Art Planning





US Army Corps of Engineers®





The Bluestone Organization

DEVELOPERS | BUILDERS | PROPERTY MANAGERS

Building on Generations of Experience

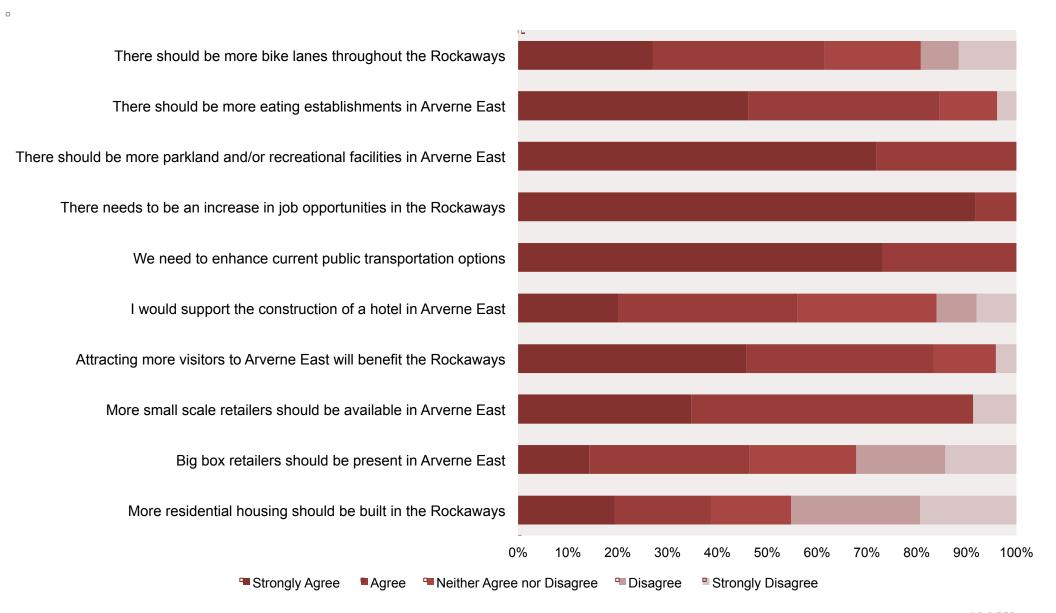
Community Outreach



March 7, 2013 Public Outreach Workshop

 Approximately 50 attendees participated in breakout discussions on assets, challenges, and desires

Community Survey Responses



Vision

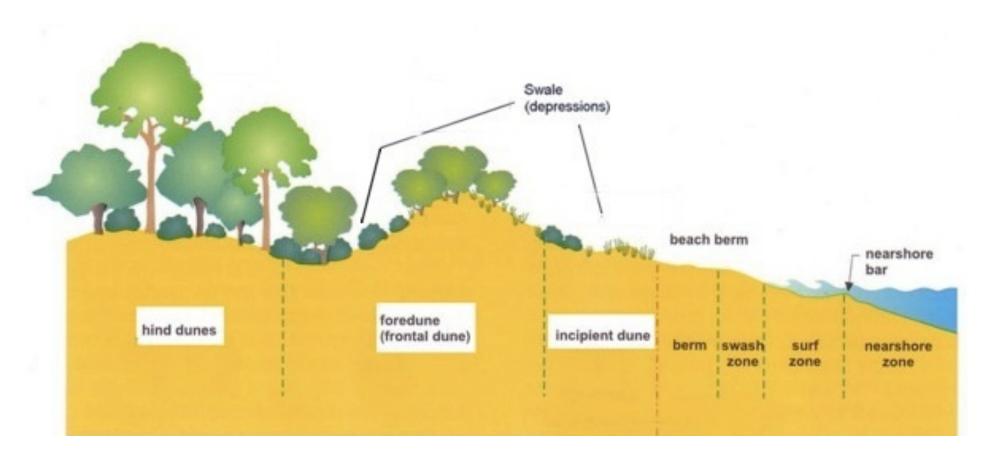
Leveraging local assets to foster a community-oriented wellness and recreation hub that serves as model for coastal environmental, economic, and social resilience

Concept for a Resilient Rockaways



Environmental Resilience: Coastal Barriers

- Elevate site above Advisory Base Flood Elevation levels
- Primary and sacrificial dune with heterogeneous native plants



Environmental Resilience: Floodable Areas / Multifunctional Defense

 Integrated throughout natural and built elements, i.e. nature preserve, parks, parking garages, etc.



Floodable open space

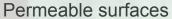


Waterpleinen Stormwater Park Concept by Urbanisten

Environmental Resilience: Green Infrastructure

- Mitigate storm water run-off
- Integrated throughout development









Hotel and Tourism Profile

- Few existing hotel options
- Innovative accommodation options emerging (boatel)
- Four million visitors annually
- Nearby markets:
 - NYC (50.9m visitors)
 - NJ shore (59m visitors)
 - JFK (47.7m passengers)
 - Long Island beaches
- Community support for hotel/ tourism



Surfers at Rockaway Beach



Economic Resilience: Ecotourism

Urban ecotourism: opportunity to conserve biological and social diversity, create new jobs and improve the quality of life

- Restore and conserve natural and cultural heritage
- Maximize local benefits and engage the local community
- Educate visitors and residents
- Reduce ecological footprint



Lac de Maine, Angers, France



Black Sheep Inn, Ecuador



Grootbos Nature Reserve, S. Africa

Economic Resilience: Ecotourism

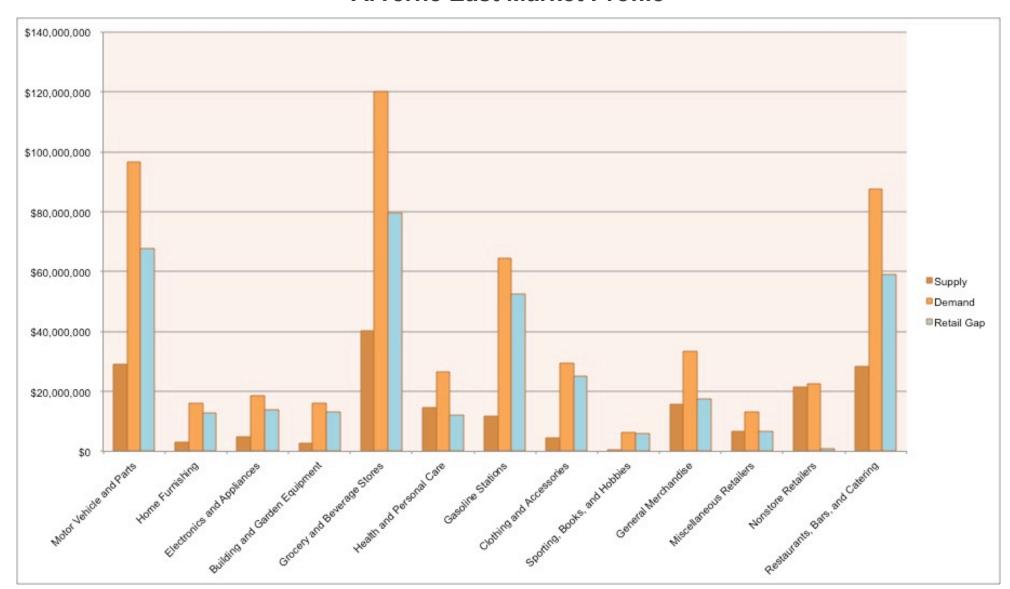
- Model for urban ecotourism
 - Incentivize community operation
 - Create educational programs
 - Preserve natural environment
 - Use green design / technology
- Attract day-trippers and weekend visitors
- Partner with international airlines to provide rooms and training space
- Event and conference space



Proximity to JFK, downtown & Jamaica Bay

Economic Resilience: Capturing Spending Leakages

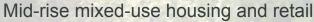
Arverne East Market Profile

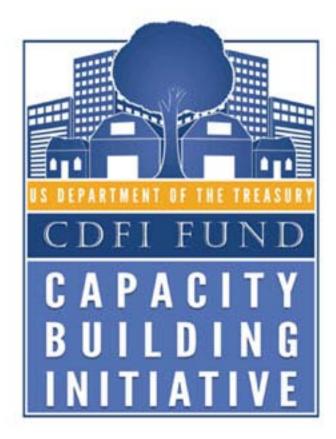


Economic Resilience: Retail and Entrepreneurship

- Commercial corridor with destination and small scale retail
- Community Development Financial Institutions







Economic Resilience: Housing

- Medium-density, mixed-use
- Elevated and flood proof
- Age-friendly





Platinum Triangle in Anaheim, CA



Via Verde in the Bronx, NY

Economic Resilience: Community Anchors



Rockaway Institute for Sustainable Environment

Queen's Children's Library Discovery Center

- Rockaway Institute for Sustainable Environment (RISE)
- New public library as economic engine and evacuation area
- Case Study: Philadelphia Free Library

Economic Resilience: Community Anchors









THE ANCHOR MISSION

LEVERAGING THE POWER OF ANCHOR
INSTITUTIONS TO BUILD COMMUNITY WEALTH

A Case Study of University Hospitals Vision 2010 Program Cleveland, Ohio

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TED HOWARD

The Democracy Collaborative, University of Maryland College Park





- St. John's Episcopal Hospital: largest local employer
- Case Study: Vision 2010, Ohio University Hospitals

Social Resilience: Activate Open Space

- Year-round programming
- Recreational nodes
- Community gardens
- Urban farm
- New piers





Ocean Breeze Fishing Pier, Staten Island



Outdoor public exercise equipment



Community garden

NYUWagner

Social Resilience: Health and Wellness Programming

- Community Health Center
- Indoor and outdoor activities
- Health programs, e.g. obesity prevention program
- Afterschool programs
- Healthy food and smart eating





Afterschool recreation program



Yoga studio

Social Resilience: Network Connectivity

- Complete streets
- Greenway
- Connecting to broader parks network (Jamaica Bay, Gateway National Park)



Bike path under train trellis



Complete streets

