Delaware Estuary Science & Environmental Summit 2015
Wednesday January 28, 2015

"Camden's Waterfront Brownfields & Landfills:

Opportunities For Creation of Environmental Assets That Benefit the Entire Delaware River Watershed"

by Frank McLaughlin, New Jersey Department of Environmental Protection







...has the highest density of people & problems (& solutions!) 1/2009 ...existing capacity for future population & economic growth



Camden's water problems... are our water problems...







Combined sewer system

180 miles long, stormwater from 3 counties & 28 outfalls, discharge into Delaware River

Camden's Cramer Hill residents ranked flooding as the #1 quality of life problem...



Cities in our region are Land Rich!

Vacant residential lots

Brownfields: former/current

industrial or commercial sites

North Camden:

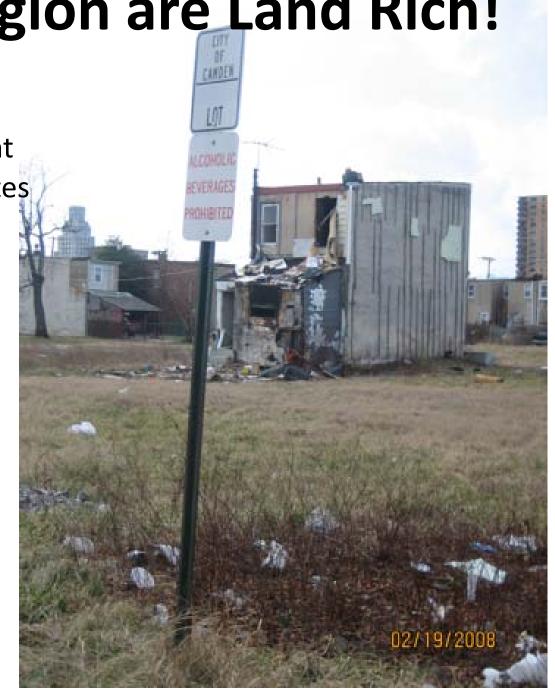
32% Vacant Land

41% Brownfields

Opportunities:

73% of land &

>1-mile of tidal riverfront can have a new future!!!



Who wants to live on brownfield sites?





Redevelopment of brownfields... reduces flooding & improves water quality

Brownfield reuse results in...
(1)Removal of impervious surfaces, buildings and compacted soils
(2)Soil improvements and upgraded stormwater management

EPA (2011) found that brownfield redevelopment reduced stormwater runoff by 47-62%



Development in our region's urban areas is good for (and restores) the environment...





Suburban development...

Consumes land

Increases stormwater runoff

Increases air emissions

Urban Redevelopment...

Saves land

Reduces stormwater runoff

Reduces air emissions



Camden: Waterfront South Rain Gardens Park

Remediation:

Demolition of abandoned building 12 Underground Storage Tanks (USTs) removed 1,850 tons of soil excavated & disposed off-site Enhanced Fluid Recovery of Diesel 'sheen' on



Funding Sources:

CCMUA/NJDEP Supplemental Env't Project (p/o \$655,000)

NJDEP Petroleum UST Fund Grant (\$122,000) USEPA Petroleum Assessment Grant \$100,000

Benefits:

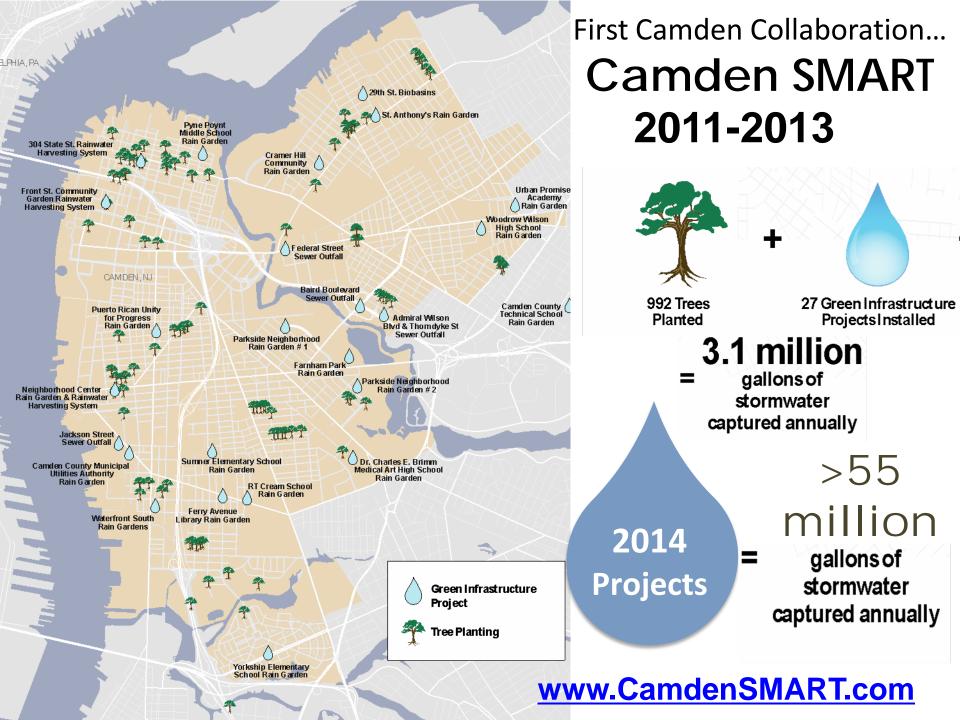
'Gateway' Pocket Park
Mitigation of local street flooding
Management of >800,000 gallons of stormwater annually
Reduced Combined Sewer volume to Delaware River



Partners:

Heart of Camden / Sacred Heart Church
Center for Environmental Transformation
Camden County Municipal Utilities Authority (CCMUA)
New Jersey Department of Environmental Protection (NJDEP)
Camden Redevelopment Agency
Camden SMART (City of Camden, Cooper's Ferry Partnership,

Rutgers University, NJ Tree Foundation, CCMUA, NJDEP)



Camden Collaborative Initiative

"....s a solutions-oriented partnership between governmental, non-profit, private, and community-based agencies formed to plan and implement innovative strategies to improve the environment and the quality of life of Camden's residents" (formalized 1/24/2013)

Voluntary collaboration between:

City of Camden

Cooper's Ferry Partnership

Camden County Municipal Utilities Authority

NJDEP

USEPA

>40 partners contributing energy & resources into Camden's environment!





WHY Camden Collaborative Initiative?

Camden's multi-media environmental challenges require:

cross-program expertise & resources local stakeholder investment

alignment of priorities

internal & external coordination

broad, holistic vision/approach

Basis of Camden Collaborative:

COLLECTIVE IMPACT

"actors from different sectors working on a common agenda to solve complex problems..."



Brownfields to Living Shorelines in Camden: PHOENIX PARK

Connects Waterfront South to river Creates 5.3-acres of open space manages >5 million gallons of stormwater (Funding: NJ Environmental Infrastructure Trust)



















Potential Mussel & SAV Area (0.4 ha)





Camden Collaborative Initiative: Creating the Changes We Seek

Salvation Army (Kroc) Community Center on Harrison Ave Landfill





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