Syracuse University

Center for Sustainable Community Solutions &
Environmental Finance Center

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Getting the Green for Green: an overview of Cost Savings & State Funding Resources for Green Infrastructure

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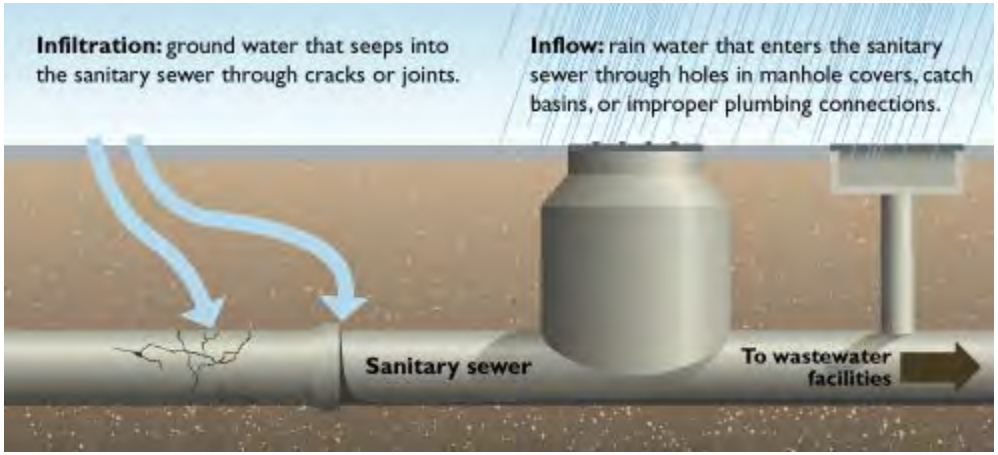
What's the cost of not?

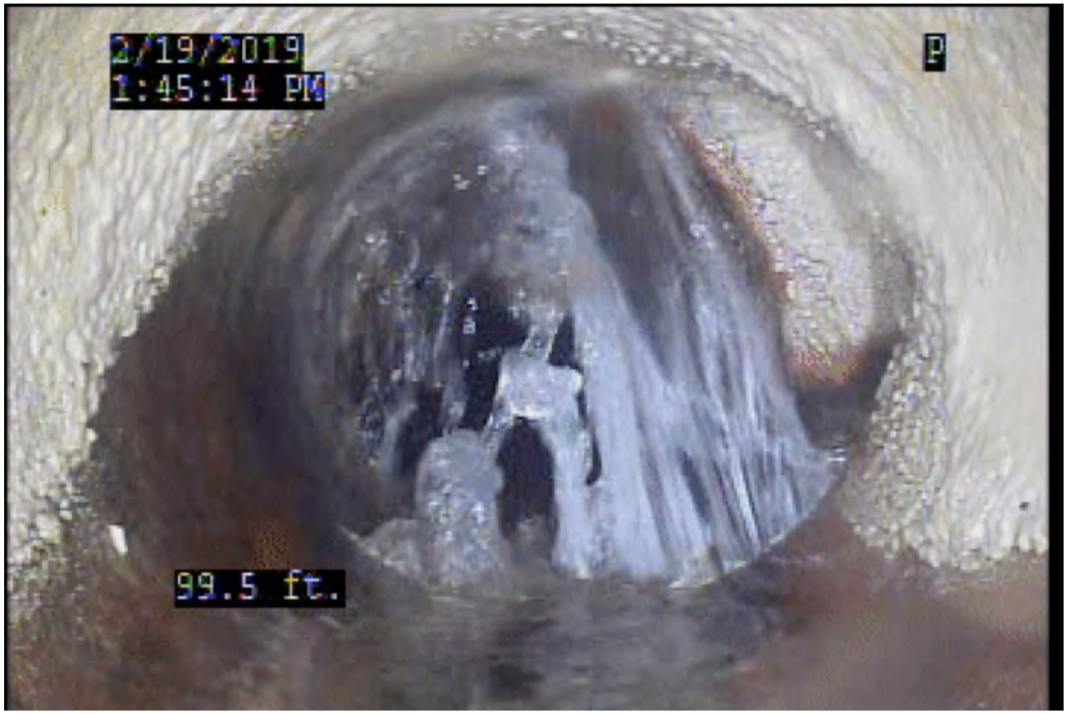

CROWNE PLAZA
DO NOT
ENTER

The benefit(s) of funding GI

- The ancillary benefits could outweigh the stormwater benefits
  - Improved streetscapes
  - Increased capacity, or upgraded infrastructure
  - Inter-departmental ‘co-funding’ (combining Parks, schools, libraries, DPW, USPS and other funding streams to create a mutually beneficial project
  - Increased property value and/or investment
  - Economic Development
  - Quantifying ‘ecosystem services’

Infiltration & Inflow

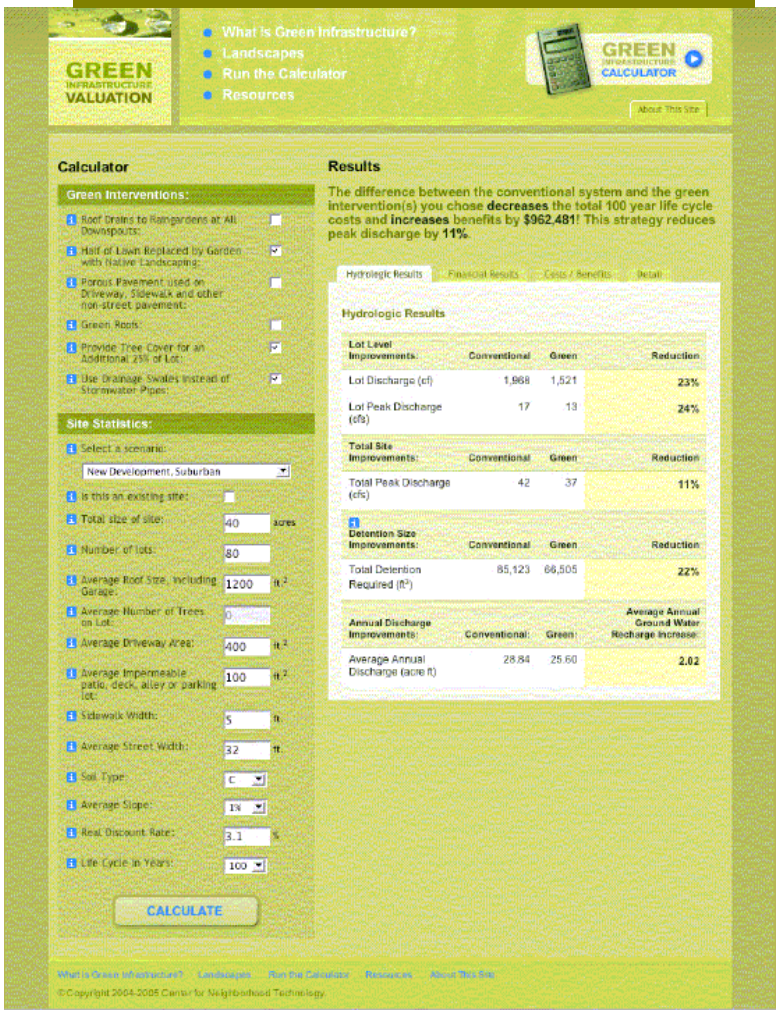




Green Values® Calculator

http://greenvalues.cnt.org

- Estimates green infrastructure's financial and hydrologic effect on a single lot or across a neighborhood.
- Compares green and 'gray' infrastructure life cycle costs including GI's economic, environmental, and social benefits
- Adaptable for local ordinance verification



New York State Consolidated Funding Application

- Loans and grants are awarded through the New York State Consolidated Funding Application (CFA) process
- Applications typically open in May with a late July deadline
- Grants are announced by the Governor as part of the Regional Economic Development Competition Awards Ceremony in December

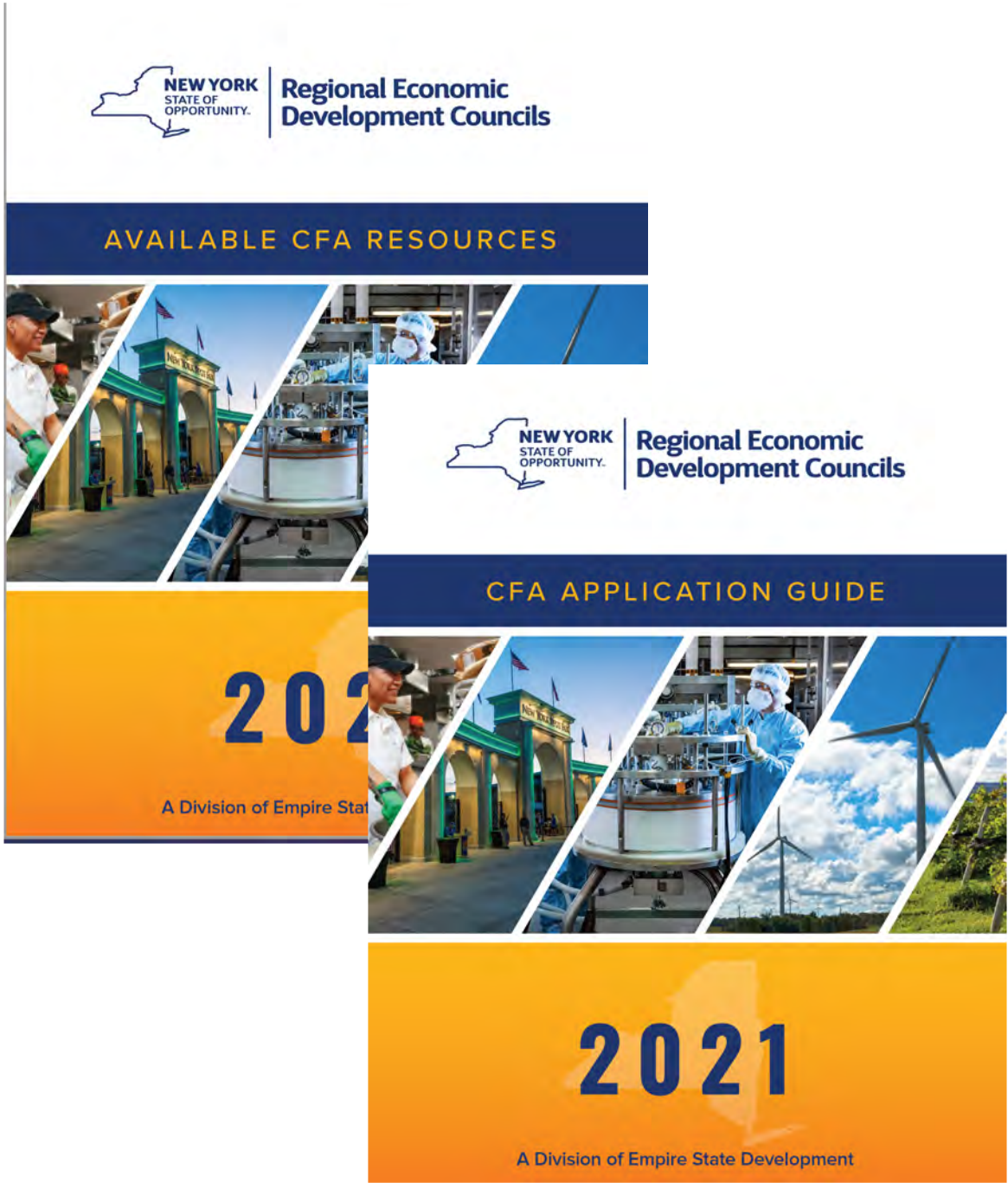
http://regionalcouncils.ny.gov/

REDC and the CFA

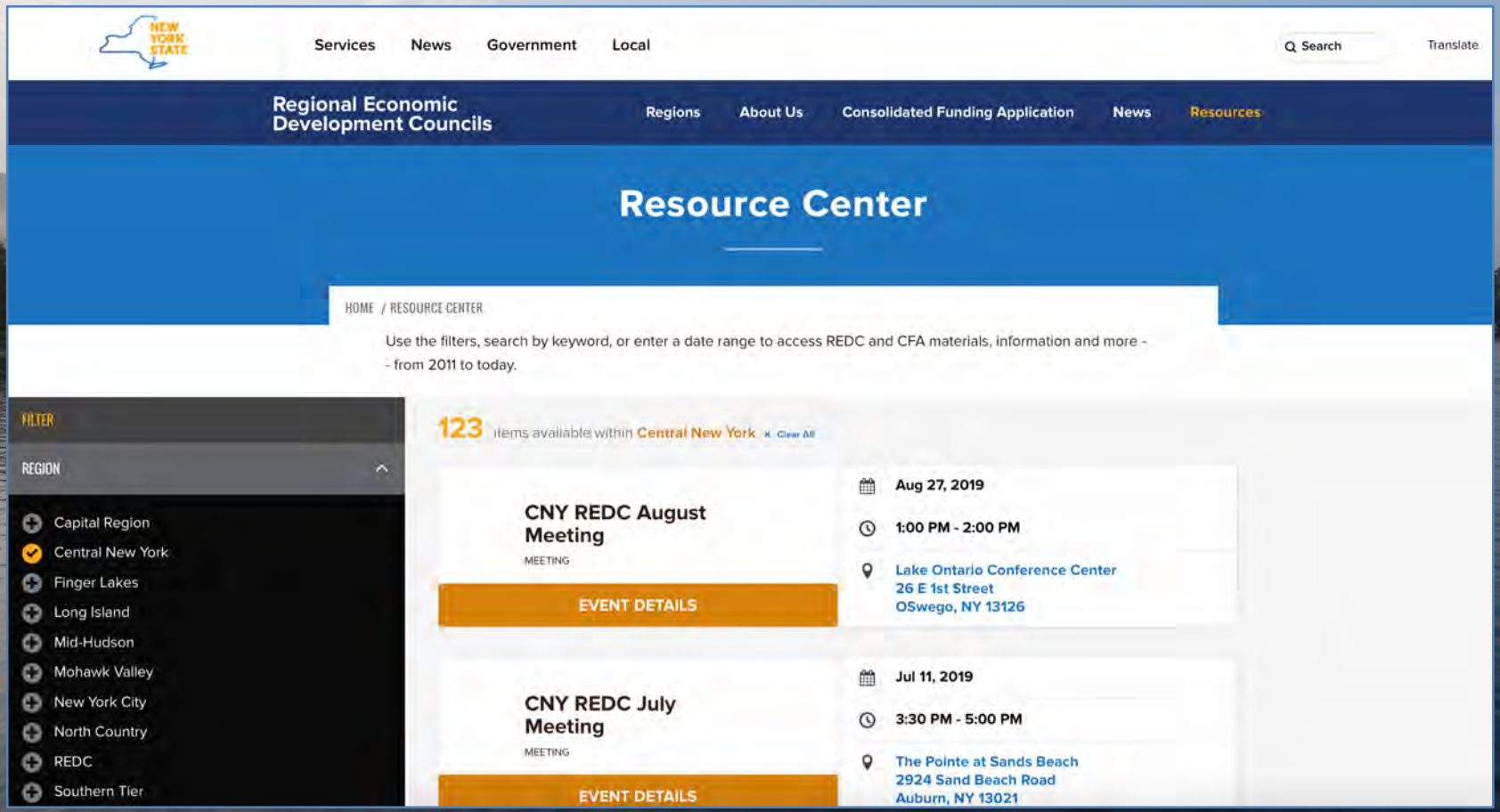
Selection Criteria for NYS DEC/EFC Wastewater Infrastructure Engineering Planning Grant from 2017		
	Points Assigned	Criteria
Regional Economic Development Priority	20	Alignment with the goals and priorities of its REDC
Performance Measures	40	Severity of existing water quality impairments
Strategies	24	Proposed project is required by a Consent Order, SPDES permit or TMDL
Process	8	Local commitment
Vision	4	Planning project is identified in a formally adopted plan
NYS DEC Regional Priority	4	Alignment with the goals and priorities of the DEC region that the project is located

Guidebook

- Resources typically announced in May
- Applications typically due in late July



Be in the know…
www.regionalcouncils.ny.gov



WQIP: Non-Agricultural Nonpoint Source

Eligible projects & programs (25% match)

- Particular nonpoint source best management practices (BMPs)

Eligible categories

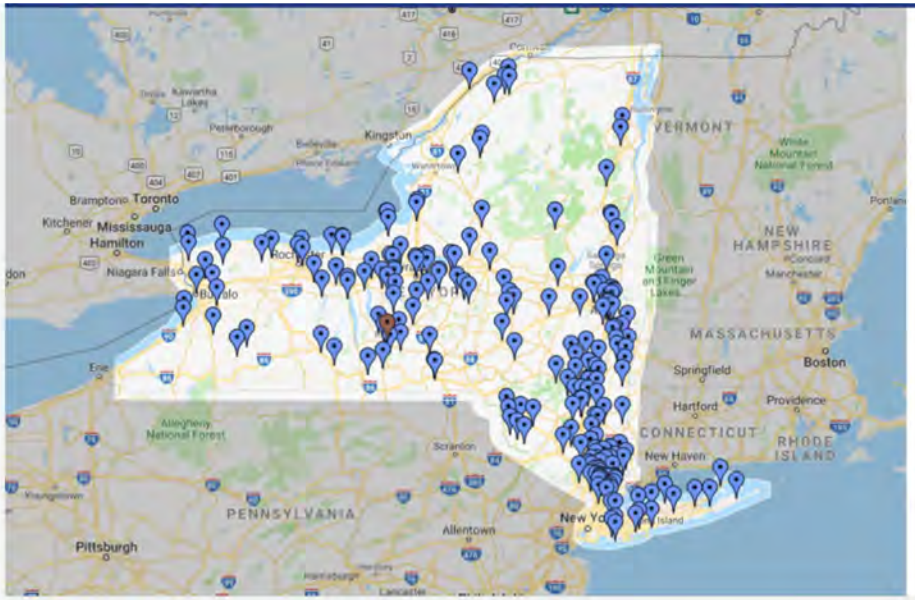
- Decentralized Wastewater Treatment Facilities for Failing On-Site Treatment Systems or Long Island On-Site Treatment Systems that do not Currently Abate Nitrogen
- Green Infrastructure Practice/Stormwater Retrofits
- Great Lakes Nature-Based Shoreline
- Streambank Stabilization and Riparian Buffers
- In-Waterbody Controls for Nutrients
- Beach Restoration
- Culvert Repair and Replacement
- Nonpoint Source Programs

Non-Agricultural Nonpoint Source Planning Grant

Grants to help pay for planning reports needed for nonpoint source projects

- Prepare projects to apply for WQIP, other funding
- Grant categories align with WQIP nonpoint source
- Eligible reports are required or suggested for WQIP NPS projects

Climate Smart Communities Grants (CSC)



State Support for Local Climate Action

Climate Smart Communities (CSC) is a New York State program that helps local governments take action to reduce greenhouse gas emissions and adapt to a changing climate. The program offers free technical assistance, grants, and rebates for electric vehicles.

Registered communities have made a commitment to act by passing the CSC pledge. **Certified** communities are the foremost leaders in the state; they have gone beyond the CSC pledge by completing and documenting a suite of actions that mitigate and adapt to climate change at the local level.

› LEARN MORE

Participating Climate Smart Communities:

REGISTERED COMMUNITIES	347	BRONZE CERTIFIED COMMUNITIES	72
PEOPLE LIVING IN CLIMATE SMART COMMUNITIES	9,428,292	SILVER CERTIFIED COMMUNITIES	8

Climate Smart Communities Grants

Certification projects:

- Total available: $500,000
- Award size: $10,000 to $100,000
- For planning, assessments, inventories, development of strategies

Ulysses, Tompkins County, Certification Event - 2018

Implementation projects:

- Total available: $9.5 million
- Award size: $10,000 to $2 million
- Construction projects
- No more than 15% on design & engineering

More information on CSC is online at https://climatesmart.ny.gov/

Climate Smart Communities Grants

Grants are available from $10,000 to $2,000,000 for implementation projects such as:

- Increasing natural resiliency to future flood risks (e.g., living shorelines and nature-based landscape features)
- Relocating or retrofitting critical infrastructure to reduce future flood risks
- Replacing or right-sizing flow barriers to facilitate emergency response or protect people, infrastructure, and natural resources

Green Innovation Grant Program (GIGP)

- An additional $5M this year
- GIGP grants are awarded on a competitive basis to projects that improve water quality and implement green stormwater infrastructure in New York
- GIGP-funded projects range from rain gardens to stream “daylighting”
- https://efc.ny.gov/gigp

To Date

Apprx. $200 Million

awarded to apprx 250 GIGP projects

Thank you!

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