

SUFFOLK COUNTY'S SEPTIC IMPROVEMENT PROGRAM (SIP)

*March 26, 2019 Presentation to
Shelter Island Town Board*



WWW.RECLAIMOURWATER.INFO

JUSTIN JOBIN, ENVIRONMENTAL PROJECTS COORDINATOR
JUSTIN.JOBIN@SUFFOLKCOUNTYNY.GOV
631-852-5811



Reclaim Our Water

Sign up now for the ROW Improvement Program



Homeowners



Industry



Regulatory



Technical



Infrastructure



Contact



Septic Improvement Program

ROW Film Contest

“We are a county that will no longer allow our water quality crisis to go unaddressed, but will come together to Reclaim Our Water.”

SUFFOLK COUNTY EXECUTIVE STEVE BELLONE
2014 State of the County



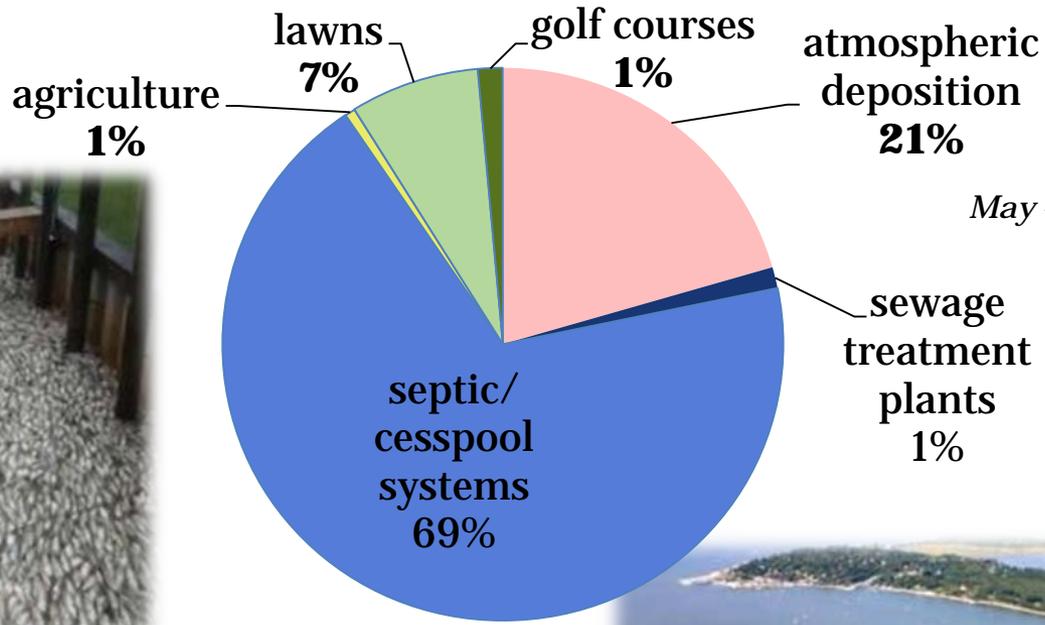


Why the Concern?

- ~1.5 million people, >900 sq miles/600,000 acres
 - Mostly unsewered (~74% of population)
- Vulnerable sole source aquifer
 - Diffuse public water supply well network (~900 wells)
 - Often relatively shallow (upper glacial aquifer)
 - ~35,000 Private wells
- Wetlands, surface waters, 3 major estuary systems
 - Groundwater and surface waters are connected
- 190 Public Bathing Beaches
 - “The Environment is the Economy.”

Reclaim Our Water

www.reclaimourwater.info



May – June 2015



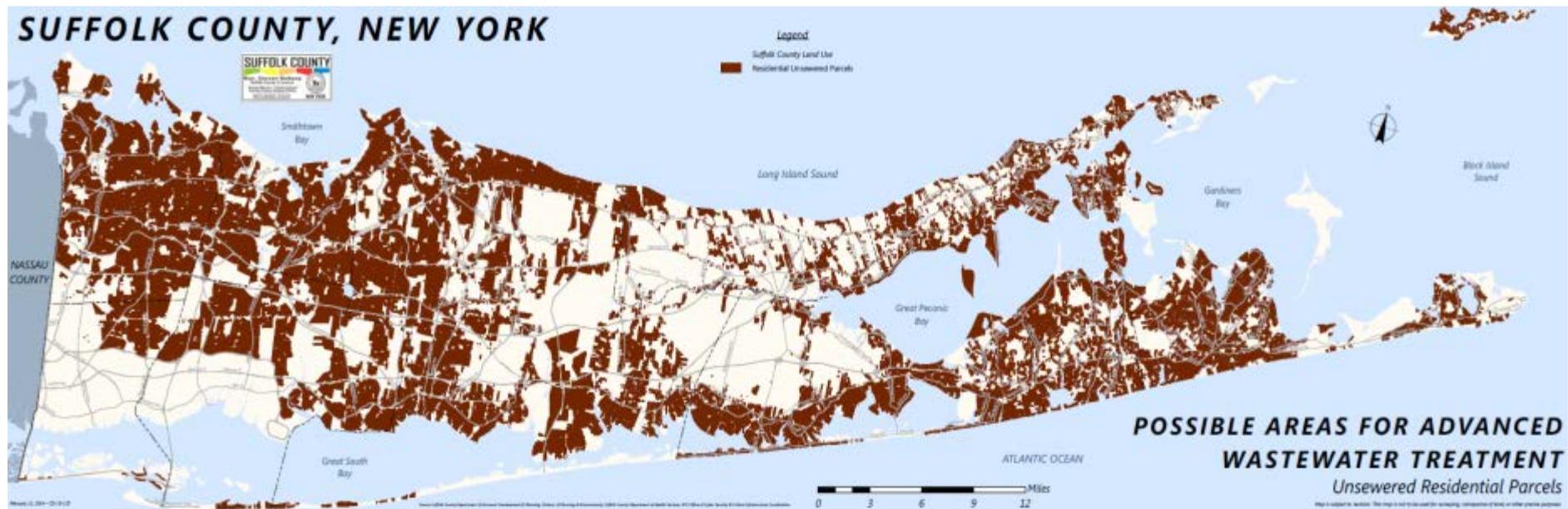
SS DOA

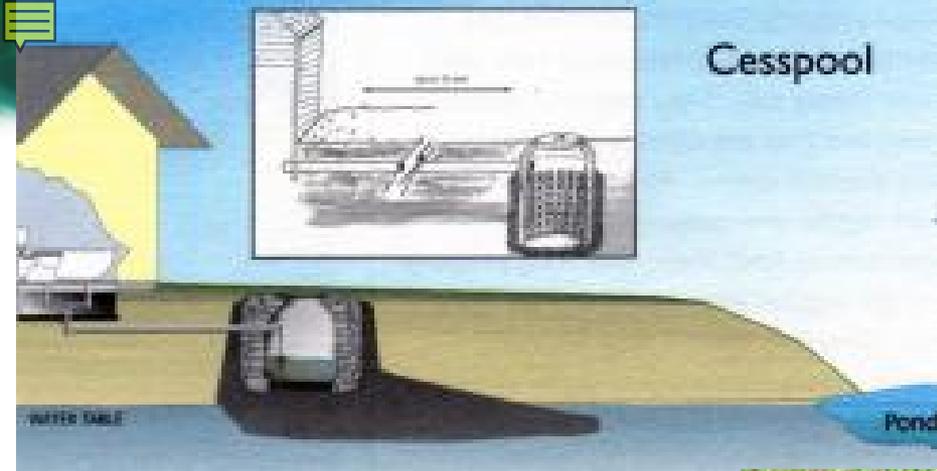




74% NON-PERFORMING WASTEWATER TREATMENT

- Approximately 360,000 onsite sewage disposal system
- 209,000 systems in priority areas
- Approximately 252,530 pre-date requirement for septic tank

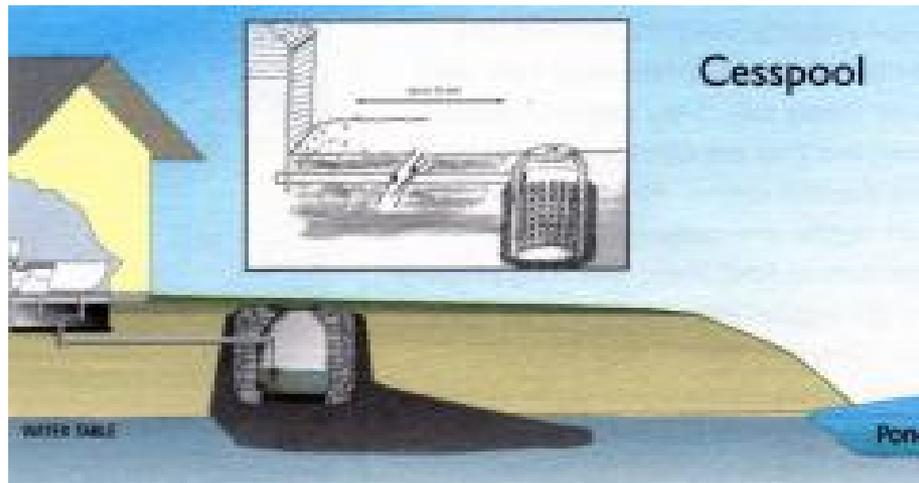




CESSPOOLS



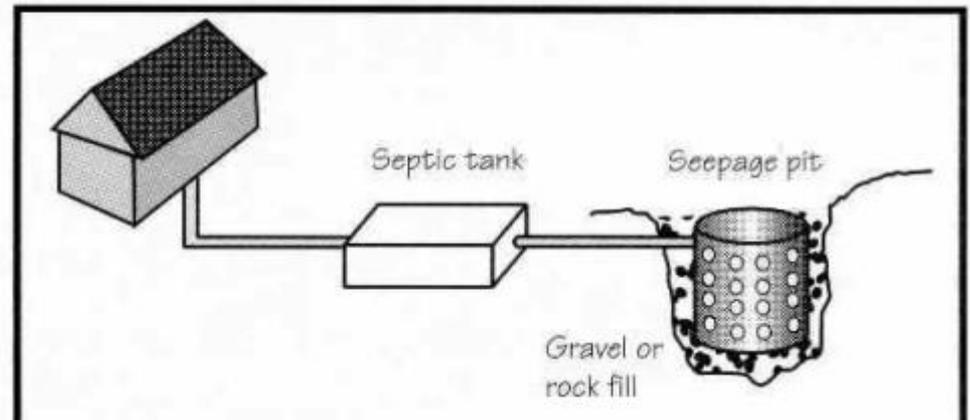
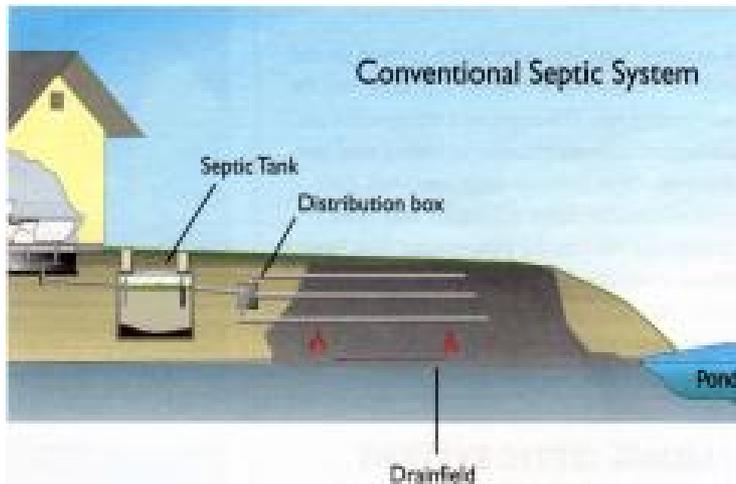
CESSPOOLS



Cesspools – ~250,000 in Suffolk County

- ✓ Cesspools are little more than holes in the ground that discharge raw, untreated human waste and can contaminate surface and groundwater sources and contributes to harmful algal blooms
- ✓ Untreated wastewater from cesspools contains pathogens such as bacteria, protozoa and viruses that can cause gastroenteritis, Hepatitis A, conjunctivitis, leptospirosis, salmonellosis and cholera
- ✓ EPA banned large capacity cesspools and strongly discourages use of small cesspools.
- ✓ Outlawed in Suffolk County for New Construction Since 1973
- ✓ Homeowners can currently replace failed cesspools in-kind
- ✓ Cesspool average installations range from \$2,000 - \$4,000

CONVENTIONAL SEPTIC SYSTEMS



Conventional Septic Systems – ~110,000 in Suffolk County

- ✓ Conventional systems consist of a septic tank before leaching structure (In most cases a leaching pool)
- ✓ Tanks collect solids, reduce BOD, TSS, other contaminants and protect leaching structure from excessive solids and clogging
- ✓ Conventional system installations typically range from \$6,000 - \$8,000
- ✓ **This is the minimum code compliant system required**
- ✓ **Permitted when a site meets Article 6 Density**



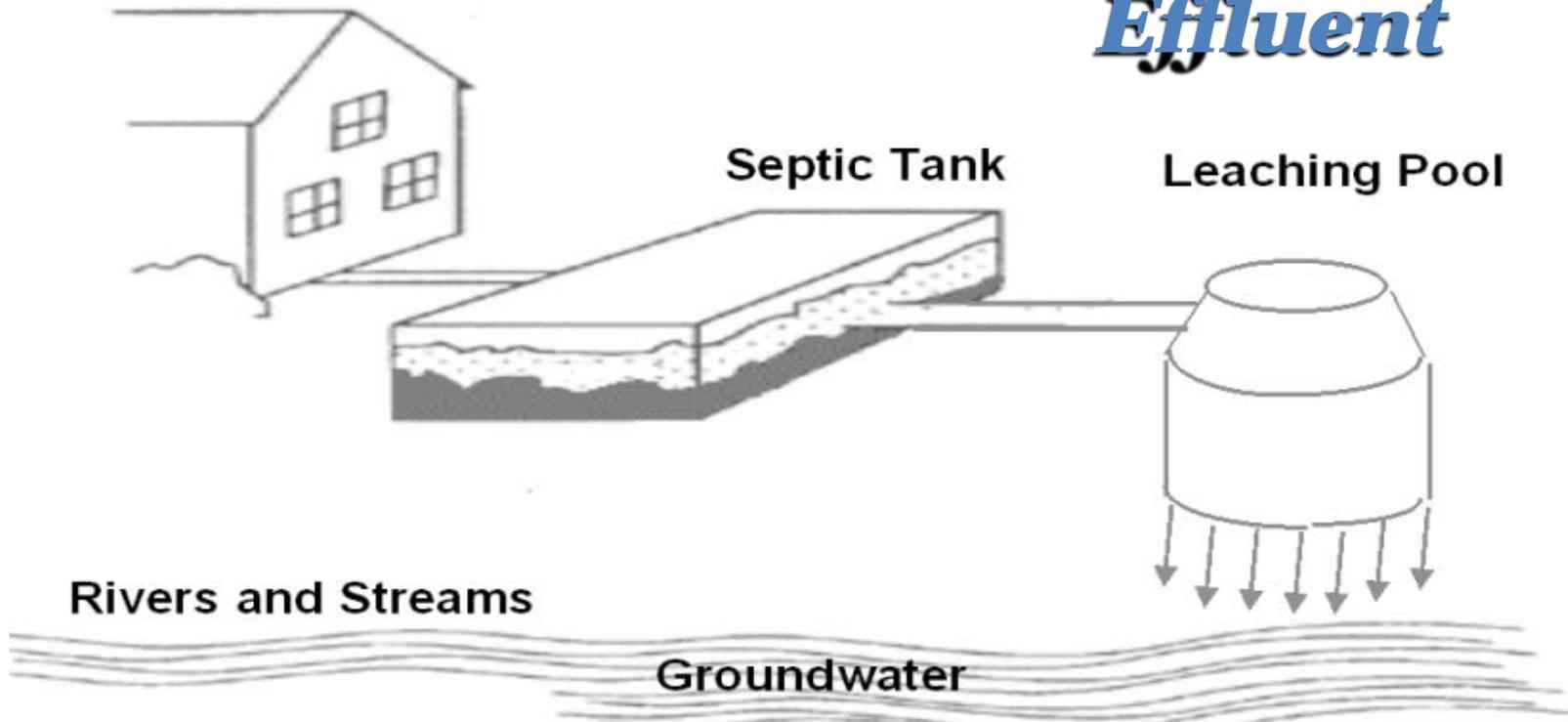
STARTING JULY 1, 2019

- Permits/filing for replacements or retrofits of existing sewage disposal systems are required
- Require filing indicating system components installed when property owner decides system needs to be replaced/retrofitted
- Require installation of a system substantially conforming to standards (Best-Fit)
 - Current standards require a septic tank + leaching structure at a minimum



Conventional Sanitary Systems

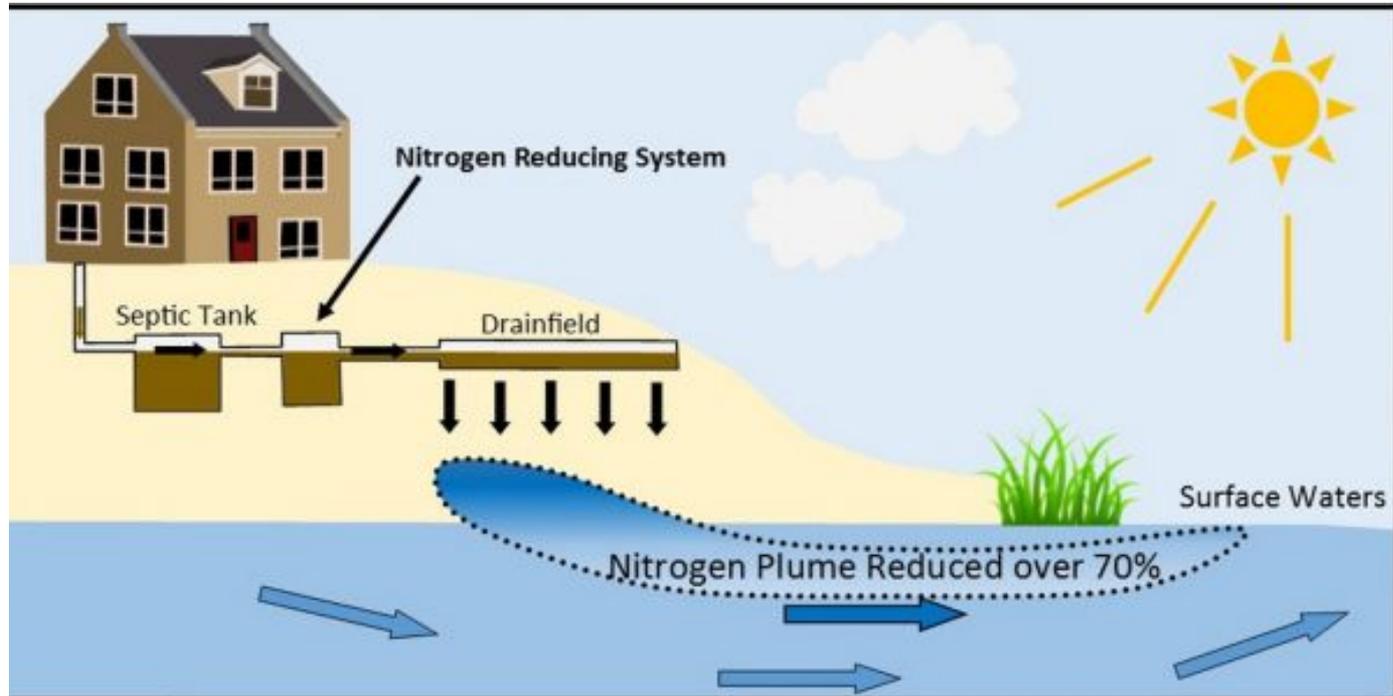
*~60-80 mg/l TN
Effluent*



****INNOVATIVE & ALTERNATIVE ONSITE WASTEWATER TREATMENT SYSTEM (I/A OWTS) WILL REMOVE ~50 -70% OF TOTAL NITROGEN COMPARED TO CONVENTIONAL SYSTEM**



I/A OWTS



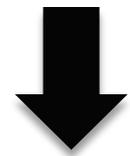
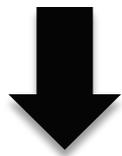
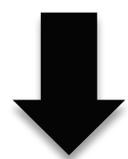
I/A OWTS ~634 Approved in Suffolk County

- ✓ Advanced treatment systems that reduce BOD, TSS and remove up to 70% of Total nitrogen.
- ✓ Allowed on Voluntary basis in SC since 2016
- ✓ I/A OWTS designs & installations have an average cost of \$17-22 thousand
- ✓ **THESE CHANGES DO NOT REQUIRE I/A OWTS**



SETTING THE STAGE FOR THE SOLUTION TO NITROGEN POLLUTION:

Evolution to the Use of Innovative Treatment Systems



**INNOVATIVE
ONSITE
SYSTEMS**

**PREPARING
THE
INDUSTRY**

**RESPONSIBLE
MANAGEMENT
ENTITY**

**CODE
AMENDMENTS**

**PUTTING NEW
TECHNOLOGIES
IN PLACE**



**PILOT
PROGRAM**

**LICENSING
LAW**

**ENACTED
ARTICLE 19**

**WORKING
GROUPS**

**IDENTIFY
PRIORITY AREAS
FOR ADVANCED
TREATMENT**



CERTIFICATIONS

TRAINING

**REGULATE
INSTALLATIONS
AND MAINTENANCE**

**UPDATES OF
OUTDATED
REGULATIONS**

**FUNDING
MECHANISM**

PROVISIONALLY APPROVED I/A OWTS



Hydro-Action



Fuji Clean System



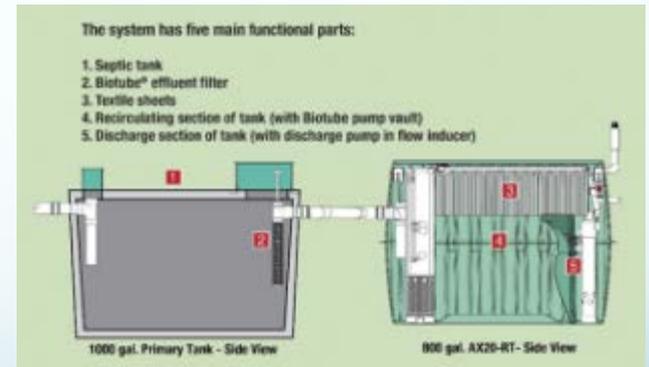
Norweco Singlair TNT



Norweco Hydrokinetic



BioMicrobics SeptiTech STAAR



Orenco Advantex AX-RT

Performance Summary of I/A OWTS Demonstrated in Suffolk County and Approved for Provisional Use

Technology	AVG (mg/L)*	Provisional Approval
Hydro-Action AN Series	11.6 mg/L	Approved in September 2016
Norweco – Singlair TNT	18.3 mg/L	Approved in October 2016
Orenco Advantex – RT	18.8 mg/L	Approved in March 2017
Norweco – Hydro-Kinetic	17.4 mg/L	Approved in April 2017
Fuji Clean System	16.6 mg/L	Approved in January 2018
SeptiTech STAAR	13.6 mg/L	Approved in July 2018

*Standard is 19mg/L



**Suffolk County
Septic Improvement
Program (SIP)**



SUFFOLK COUNTY'S SEPTIC IMPROVEMENT PROGRAM

APPROVED LOCAL LAW

Intro. Res. No. -2017

Laid on Table 3/28/2017

Introduced by Presiding Officer on request of the County Executive

**RESOLUTION NO. -2017, ADOPTING LOCAL LAW
NO. -2017, A LOCAL LAW TO ESTABLISH A GRANT
ASSISTANCE PROGRAM FOR THE INSTALLATION OF
INNOVATIVE AND ALTERNATIVE ONSITE WASTEWATER
TREATMENT SYSTEMS**

WHEREAS, there was duly presented and introduced to this County Legislature at a meeting held on , 2017, a proposed local law entitled, "A LOCAL LAW TO ESTABLISH A GRANT ASSISTANCE PROGRAM FOR THE INSTALLATION OF INNOVATIVE AND ALTERNATIVE ONSITE WASTEWATER TREATMENT SYSTEMS"; now, therefore be it

RESOLVED, that said local law be enacted in form as follows:

LOCAL LAW NO. -2017, SUFFOLK COUNTY, NEW YORK

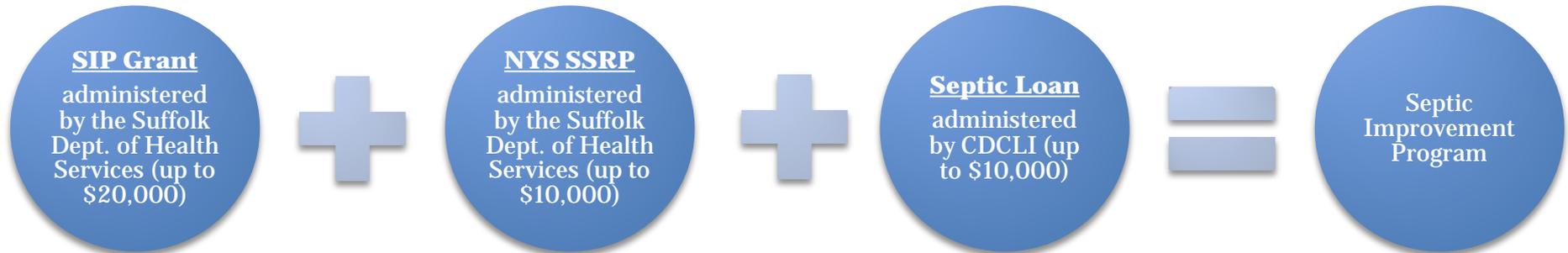
**A LOCAL LAW TO ESTABLISH A GRANT ASSISTANCE PROGRAM FOR
THE INSTALLATION OF INNOVATIVE AND ALTERNATIVE ONSITE
WASTEWATER TREATMENT SYSTEMS**



**May 31, 2017
Suffolk County Executive
Steve Bellone signs
SIP into Law**



SEPTIC IMPROVEMENT PROGRAM (SIP)



GRANT PROGRAM DETAILS:

- Individual homeowners may be eligible for a Suffolk County base grant up to \$10,000 and an additional.
 - \$5,000 may be available for installation of a Pressurized Shallow Drainfield (PSD)
 - \$5,000 may be available for Low to Moderate income property owners.
- **Homeowner will be responsible for engineering and design services.**

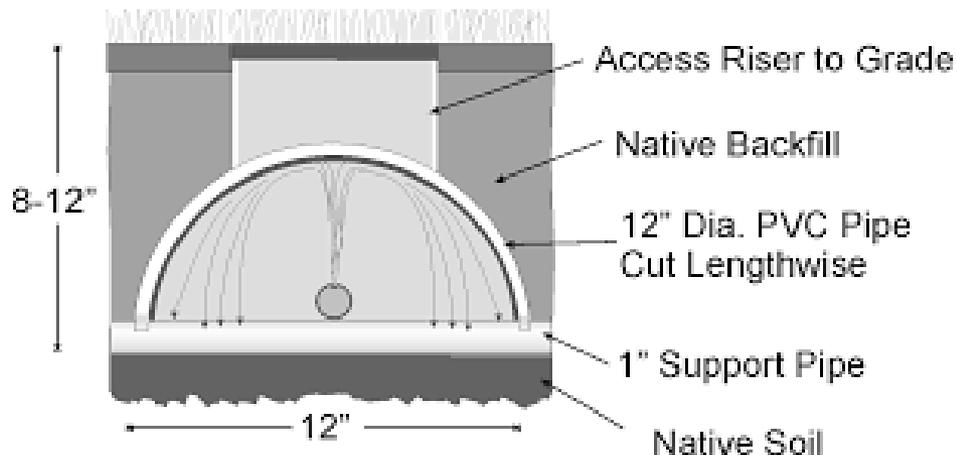
LOAN PROGRAM DETAILS:

- Administered by CDCLI Funding Corporation
- Individual homeowners may be eligible for low cost financing up to \$10,000
- Competitive 3% interest rate
- Repayment term of up to 15 years



THE PRESSURIZED SHALLOW DRAINFIELDS (PSDs)

- Pressurized drainfields that evenly and horizontally distribute treated effluent within 18 inches of the top soil horizon.
- Emphasis on increased microbial activity and nutrient absorption.
- **Treated effluent reductions up to 50% TN**





PRESSURIZED SHALLOW DRAINFIELD

A Cheaper and Better Performing Alternative to Mounded Systems

- Typical cost of I/A OWTS to PSD
\$26,000
- Typical Cost of Conventional System
with Mounded Retaining Wall
\$45,000





GRANT ELIGIBILITY CRITERIA

- ✓ The residence must be served by a septic system or cesspool and is not connected to a public sewer or located in any sewer district or any proposed sewer district.
- ✓ New construction is not eligible; however construction projects on existing residences may be eligible.
- ✓ Availability of valid Certificates of Occupancy (CO) or Certificate of Zoning Compliance for the residence.
- ✓ Income verification (Provide a copy of owner (s) most recently filed federal income tax return).
- ✓ Property must not have any tax liens or be in foreclosure

Suffolk County NY - Septic Improvement Program Vendor Cost Ranking Sheet – Rev. March 1, 2019 Scenario 1 for a 4-Bedroom Home

Vendor Quotes: Scenario 1 – I/A OWTS with Reuse of Existing Leaching Structure

Technology (Sorted by Date Approved)	Vendor	Contact	Cost
Hydro-Action AN Series	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$14,700.00
	A&A Sewer and Drain Maintenance Inc.	aasewerdrain@gmail.com 631-849-1599	\$15,607.25
	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$16,578.00
	Quakenbush Cesspools	quackcesspools@ymail.com 631-907-4426	\$17,308.53
	SYP Industries	sypindustries@gmail.com 631-775-0012	\$18,482.66
	Eastern Site Development	info@easternsitedevelopment.com 631-209-4240	\$18,803.00
	South Fork Septic	john@southforkseptic.com 631-283-0333	\$18,817.56
Norweco Singulair TNT	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$13,450.00
	Roman Stone Systems LLC	tmontalbine@romanstonesystems.com 631-667-0566 Ext.114	\$16,096.85
	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$16,197.82
	Ken Rousell, Inc.	kristin@kenrousellinc.com 631-288-2545	\$18,148.62
	Eastern Site Development	info@easternsitedevelopment.com 631-209-4240	\$18,664.15
Oreco Advantex AX20-RT	A&A Sewer and Drain Maintenance Inc.	aasewerdrain@gmail.com 631-849-1599	\$18,115.31

Notes:

1. all estimated costs not highlighted in red would fall under the intended SIP funding limits, not including \$2,500 in estimated design costs that the homeowner is responsible for.

2. All costs exclude Engineering and design costs which is the responsibility of the homeowner.

3. Costs highlighted in red would require additional homeowner out-of-pocket expense

* Shelter Island Sand, Gravel & Contracting Inc. prices apply only to installations on Shelter Island.

Suffolk County NY - Septic Improvement Program Vendor Cost Ranking Sheet – Rev. March 1, 2019 Scenario 1 for a 4-Bedroom Home

Vendor Quotes: Scenario 1 – I/A OWTS with Reuse of Existing Leaching Structure

Technology (Sorted by Date Approved)	Vendor	Contact	Cost
Norweco Hydro-Kinetic	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$16,875.00
	Roman Stone Systems LLC	tmontalbine@romanstonesystems.com 631-667-0566 Ext.114	\$18,869.85
	Direct Drainage	Info@DirectDrainage.net 631-475-9509	\$18,941.88
Fuji Clean CEN Series	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$13,975.00
	A&A Sewer and Drain Maintenance Inc.	aasewerdrain@gmail.com 631-849-1599	\$15,586.16
	Eastern Site Development	info@easternsitedevelopment.com 631-209-4240	\$16,481.37
	Shelter Island Sand, Gravel & Contracting Inc.*	sisandgravel@gmail.com 631-749-1040	\$16,958.03
	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$17,066.82
	Quakenbush Cesspools	quackcesspools@ymail.com 631-907-4426	\$17,308.53
	South Fork Septic	john@southforkseptic.com 631-283-0333	\$18,408.53
	Ken Rousell, Inc.	kristin@kenrousellinc.com 631-288-2545	\$19,430.40
SeptiTech	SeptiTech Long Island	SeptiTechLI@gmail.com 631-284-9893	\$13,925.00
	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$14,575.00
	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$16,849.56

Notes:

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***** ENGINEERING AND DESIGN COSTS ARE NOT INCLUDED IN THE TABLE AND ARE THE RESPONSIBILITY OF THE PROPERTY OWNER *****

Suffolk County NY - Septic Improvement Program

Vendor Cost Ranking Sheet – Scenario 3 for a 4-Bedroom Home

Vendor Quotes: Scenario 3 – I/A OWTS with Pressurized Shallow Drainfield

Notes:

Technology (Sorted by Date Approved)	Vendor	Contact	Cost
Hydro-Action AN Series	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$19,028.00
	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$22,250.00
	A&A Sewer and Drain Maintenance Inc.	aasewerdrain@gmail.com 631-849-1599	\$22,707.25
	Quackenbush Cesspools	quackcesspools@ymail.com 631-907-4426	\$23,118.89
	Eastern Site Development	info@easternsitedevelopment.com 631-209-4240	\$23,403.00
	SYP Industries	sypindustries@gmail.com 631-775-0012	\$24,182.66
	South Fork Septic	john@southforkseptic.com 631-283-0333	\$25,917.56
Inreco Advantex AX20-RT	A&A Sewer and Drain Maintenance Inc.	aasewerdrain@gmail.com 631-849-1599	\$21,415.31
Norweco Hydro-Kinetic	Direct Drainage	Info@DirectDrainage.net 631-475-9509	\$21,391.88
	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$24,450.00
	Roman Stone Systems LLC	tmontalbine@romanstonesystems.com 631-667-0566 Ext.114	\$24,919.85

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Suffolk County NY - Septic Improvement Program

Vendor Cost Ranking Sheet – Scenario 3 for a 4-Bedroom Home

Vendor Quotes: Scenario 3 – I/A OWTS with Pressurized Shallow Drainfield

Technology (Sorted by Date Approved)	Vendor	Contact	Cost
Fuji Clean CEN Series	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$19,516.82
	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$21,500.00
	Eastern Site Development	info@easternsitedevelopment.com 631-209-4240	\$22,134.97
	A&A Sewer and Drain Maintenance Inc.	aasewerdrain@gmail.com 631-849-1599	\$22,686.16
	Quackenbush Cesspools	quackcesspools@ymail.com 631-907-4426	\$23,188.89
	Shelter Island Sand, Gravel & Contracting Inc.*	sisandgravel@gmail.com 631-749-1040	\$23,558.03
	South Fork Septic	john@southforkseptic.com 631-283-0333	\$25,508.53
	Ken Rousell, Inc.	kristin@kenrousellinc.com 631-288-2545	\$30,740.40
SeptiTech	SeptiTech Long Island	SeptiTechLI@gmail.com 631-284-9893	\$18,525.00
	Clear River Environmental	Dwarren@clearriver.us Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447	\$19,175.00
	Direct Drainage	DirectDrainage@aol.com 631-472-0677	\$19,299.56

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***** ENGINEERING AND DESIGN COSTS ARE NOT INCLUDED IN THE ABOVE TABLE AND ARE THE RESPONSIBILITY OF THE PROPERTY OWNER *****

Manufacturer & Technology	Local Distributor
Norweco Singulair & Hydro-Kinetic	Tom Montalbine, President Roman Stone Systems LLC 85 South Fourth Street - Bayshore, NY 11706 Web: www.romanstone.com Phone: 631-667-0566 Ext.114 Email: tmontalbine@romanstonesystems.com
Hydro-Action	Joe Densieski, Wastewater Works Inc. 139 Reeves Avenue, Riverhead, NY 11901 Web: www.wastewaterworksinc.com Phone: 631-831-2580
Fuji Clean System	Bryan McGowin, Advanced Wastewater Solutions, LLC PO BOX 1622 - Southampton ,NY 11969 Email: bmcgowin@gmail.com or bryan@awsli.com 631-405-0358
	Peder Larsen, Shelter Island Sand, Gravel, & Contracting PO Box 2028 – Shelter Island, NY 11964 (631) 749-1040 sisandgravel@gmail.com
Orenco AX-RT	Lee Essay, Nugent & Potter 1557 County Rd. 39 – Southampton NY 11968 Phone: 631-488-4466 Email: Lee@nugentpotter.com
SeptiTech STAAR	Bob Eichinger, SeptiTech Long Island 24 Hubbard Avenue, Riverhead, NY 11901 Email: Bob@septitechli.com Phone: 631-284-9893

Projected 1-Year Electrical Costs

Technology	1 year electrical consumption (kWh/year)	Increased electrical costs per year (\$0.17/ kWh)
Orenco Advantex AX20-RT	335.8 kWh	\$73.88
Fuji Clean System	463.55 kWh	\$101.98
Hydro-Action AN	734.26 kWh	\$161.54
SeptiTech STAAR	912 kWh	\$200.64
Norweco Singulair TNT	979.66 kWh	\$215.53
Norweco Hydro-Kinetic	1051.2 kWh	\$231.26

Note: the Hydro-Action unit utilizes a mixer pump during start-up. The pump use is discontinued after startup, and usage data will vary after the start-up period.

Septic Improvement Program Notes

- All prices are estimates from Vendor submitted quotes for 4-bedroom I/A OWTS.
- Actual costs may vary based on site constraints. Homeowners are urged to contact Vendors to discuss project specific costs for their Property.
- Grant funding will not exceed \$25,000 for I/A OWTS installed with gravity leaching or \$30,000 for I/A OWTS installed with PSD.

Use of Grant Funds is Not Allowed For:

- Irrigation repairs
- landscaping
- electrical improvements unrelated to the I/A OWTS

Septic Improvement Program – Ongoing Costs

For More Information visit www.ReclaimOurWater.info or call (631) 852-5811

Operations & Maintenance Costs

Technology	One Year Contract Cost
Hydro-Action AN	\$250.00
Orenco Advantex AX20-RT	\$271.66
Fuji Clean Systems	\$300.00
Norweco Hydro-Kinetic	\$300.00
Norweco Singulair TNT	\$315.00
SeptiTech STAAR	\$250.00

* Consult manufacturer for additional warranties specific to their systems. All systems in Suffolk County are sold with a three year warranty, but many manufacturers offer additional warranties on pumps and aerators.

** Complete replacement of control panels is rare and usually associated with lightning strikes. Check with your homeowners insurance to see if these repair costs are covered under your policy.

Estimated Repair and Replacement Costs*

Technology	Item	Cost	Life Expectancy
Norweco Singulair TNT	Aerator Replacement	\$500.00	10 years
	Control Panel Replacement**	\$1,200.00	20 years
Fuji Clean CEN System	Blower Replacement (MAC 80R)	\$320.00	10 years
	Blower Replacement (MAC 100R)	\$420.00	
	Blower Rebuild	\$150.00	
	Float Replacement	\$100.00	5-10 years
	Control Panel Replacement**	\$400.00	20 years
Hydro-Action AN Series	Blower Replacement	\$400.00	10 years
	Blower Rebuild	\$100.00	
	Recirculation Pump Replacement	\$400.00	10 years
	Float Replacement	\$80.00	5-10 years
	Control Panel Replacement **	\$1,200.00	20 years
Orenco Advantex AX20-RT	Recirculation Pump Replacement	\$800.00	10 years
	Float Replacement	\$80.00	5-10 years
	Control Panel Replacement **	\$1,500.00	20 years
Norweco Hydro-Kinetic	Blower Replacement	\$300.00	10 years
	Blower Rebuild	\$100.00	
	Recirculation Pump Replacement	\$500.00	10 years
	Control Panel Replacement **	\$1,200.00	20 years
SeptiTech STAAR	Recirculation Pump Replacement	\$520.00	10 years
	Float Replacement	\$75.00	5 -10 years
	Control Panel Replacement **	\$1,200.00	20 years



The Grant Application Process

YOUR LETTERS

Torturous

To the Editor:

I strongly encourage the Town Board not to require home sellers to update septic systems to I/A systems.

It is not a simple process like screwing on a smoke or CO detector or adjusting a pool gate. I applied using a professional's services back in December 2017 and finally received my county health department permit this week, 13 months later.

The county's grant website is also cumbersome and problematic. I tried several times to fill out the form, only to get an error message stating that my property does not exist. I tried using different variations of my street name, both with and without punctuation and different abbreviations. After a week of persistent calls to the help line, I finally got a live person who said I was typing too fast! She instructed me to type slowly — one letter at a time — and then a drop down box would appear. She then warned me not to select "NY" (state) because, oddly, that would not work. Once I was able to enter my address, I had to upload several forms, including proof of homeowner's insurance, latest tax bill, etc., which required a lot of preparatory work. I am fairly computer savvy, but the process was torturous. No wonder so few permits and grants have actually been issued.

In addition, some of the county's permit requirements, such as requiring me to excavate 5-foot deep so as to move my water line a

few feet laterally, are a total waste of my money (and town grant money) and do *nothing* to protect me, the ground water or Menantic Creek.

While I think I/A systems are good overall for the Island in houses occupied year-round, from what I have been reading, they can be problematic for seasonal houses since they need to be restarted if not used for a certain amount of time.

Tying I/A systems to property transfers would be disastrous for residents, brokers and builders, not to mention the hit the Community Preservation Fund would take.

PETER S. REICH

Former councilman, Town of Shelter Island

A cartel controls

To the Editor:

Today I want to comment on a theme that I have written about in years past, going back to the early 1990s — moorings on Shelter Island.

Since I am limited in length that you allow letters to the editor, I shall make my point while I skip much of the history.

What has happened on Shelter Island regarding the mooring industry compared to other locations under similar circumstances shows what happens when a cartel controls the means and ways. The strangle hold by the principals, with the supporting actors of government, has stymied growth to what could have been a robust and locally developed sector.

By controlling access and re-

OUR VIEW

Listening & learning

Two former town councilmen have weighed in on the Town Board's efforts to confront a crisis. Ed Brown, in a appearance before the Town Board two weeks ago (see story, page 13), and Peter Reich, in a letter to the editor (see page 9), are questioning the plans to upgrade the Island's septic systems to state-of-the-art, nitrogen-reducing structures.

Both men brought energy, focus, dedication, hard work and a commitment to working on solutions that helped their fellow Islanders. As we noted in this space when they retired, Mr. Reich and Mr. Brown were public servants of the old school; civility and respect marked their exchanges with colleagues, petitioners before the board and residents in the audience.

They also had a sense of compromise to get things done and current board members should listen to them.

Mr. Brown argued that requiring transfers of property to include an upgraded septic system would make it impossible — because of the added expense — for many people to buy property here, and that the nitrogen-reducing septic systems should not be a requirement for all areas of the Island, but only where the location is critical.

Mr. Reich has made a strong argument that the system of applying for grants from the county and town to offset the cost of buying and installing systems is often a descent into a thicket of bureaucracy and incompetence, and dead ends in impossible requirements.

It's good to see both men engaged in the issue. But, with respect, the overriding concern is that the plans by the current board are essential to take on an environmental emergency that is staring us in the face.

Many — most? — of the septic systems here are sometimes nothing more than holes in the ground, discharging toxic nitrogen into wells and the aquifer that sustains life on the Island. There is a chance, with the so-called I/A systems, to reverse the trend of dumping poisonous components from human waste into the Island's water source.

We believe the Island should convert to I/A systems, period. Picking and choosing neighborhoods won't work, but in fact will further divide the community. And as for working through the system to apply for grants to pay for clean septic systems, the bugs must be worked out and a streamlined process put in place.

The town can help with the latter, and the real estate businesses on the Island should help with the former.

Septic Improvement Program Overview

Nitrogen pollution from cesspools and septic systems has been identified as the largest single cause of degraded water quality contributing to beach closures, restrictions on shellfishing, toxic algae blooms, and massive fish kills. A conventional onsite septic system was never designed to remove nitrogen. The average residential septic system discharges approximately 40 pounds of nitrogen per year. For homeowners close to surface waters in Suffolk County nitrogen can rapidly reach surface waters where it contributes to degradation of our marshes, bays, and beaches. Even inland, nitrogen from septic systems will eventually reach the groundwater and surface waters.

Thousands of parcels are currently served by polluting cesspools and septic systems, but will never connect to a sewer system. Reversing degradation of water quality will depend on replacement of existing systems with new, individual Innovative and Alternative Onsite Wastewater Treatment Systems (I/A OWTS).

Over the past several years, Suffolk County has assertively set the stage for the transition to the use of these new systems. To make the cost of I/A systems that remove nitrogen to protect water quality more affordable for homeowners, Suffolk County has developed the Septic Improvement Program. Under the Reclaim Our Water Septic Improvement Program, homeowners who decide to replace their cesspool or septic system with the new technologies will be eligible for a grant of up to \$30,000 from Suffolk County and New York State to offset the cost of one of the new systems. In addition to the grant, homeowners can qualify to finance the remaining cost of the systems over 15 years at a low 3% fixed interest rate. The loan program will be administered by Community Development Corporation of Long Island Funding Corp, with financial support from Bridgehampton National Bank, in the amount \$1 million and financial commitments from several philanthropic foundations.

*Note: The **average** total cost for approved systems, including attendant engineering and design services, is approximately \$19,200. *Costs will vary on a case-by-case basis.* Please review our documents detailing the [estimated engineering costs](#), [estimated vendor costs](#), and [costs associated with owning an I/A OWTS](#).

Grant Eligibility Criteria:

In order for an application to be considered for a grant the following preliminary criteria must be met:

- The residence must be served by a septic system or cesspool and not connected to a sewer system or located within a proposed sewer district.
- New construction on vacant lots is not eligible.
- Property does not have any outstanding or open real property tax liens.
- There must be a valid certificate of occupancy (CO) or equivalent issued by the applicable town or village.
- Income verification (Property Owners must provide a copy of each property owner's most recently filed federal income tax return).

Please note that in order to complete the application process, you will be required to submit the following documents:

- Copy of property deed
- Proof of Homeowner's Insurance
- Copy of most recent property tax bill
- Copy of Certificate of Occupancy or equivalent
- If applicable: the first two pages of property owner(s)' latest year's tax return along with signature page.

Links:

[YouTube Video on Septic Improvement Program](#)

[Septic Improvement Program FAQ](#)

[Overview of Provisionally Approved Technologies](#)

[Rules and Regulations](#)

Grant Information

[Map of Priority Areas](#)

[Understanding the Grant Process Video](#)

[Frequently Asked Questions](#)

Cost Information

[I/A Vendor Cost Ranking](#)

[I/A OWTS Design Cost Ranking](#)

[Cost Associated with Owning an I/A OWTS](#)

Low Interest Loan Information

[Community Development Corporation of Long Island](#)

[Low Interest Loan Information](#)

Forms

[Checklist for a Residential Application](#)

[Application for a New Single Family Residence](#)

[Application for an Addition or Renovation to an Existing Single-Family Residence](#)

STEP 1 – REGISTER ONLINE AND ACTIVATE YOUR ACCOUNT



[Sign up now for the Septic Improvement Program](#)

Reclaim Our Water

Log In

Username:

Password:

Remember me next time.

LOG IN

[Don't have a login? Click here to register!](#)

[Forgot your username/password?](#)

[Didn't receive activation email? Click here to resend.](#)

Homeowners



Picture



Contact



Septic Improvement Program



Septic Improvement Program - Grant Application

Applicant Information

Applicant First Name: M.I.: Applicant Last Name:

Contact First Name: Contact Last Name: Contact Cellphone #: Email Address:

Username:

Password:

Confirm Password:

Please fill in all required information. After clicking "Register" you should receive a confirmation email with an activation link. Please click on the activation link and follow the instructions on-screen.

Having trouble?

Thank you for your interest in Suffolk County's Septic Improvement Program. If you are having trouble completing the application or have questions, please contact the Department of Health Services at 681-852-5811, or septicdemo@suffolkcountyny.gov. Staff is available to assist you Monday-Friday from 9am-5pm.

I Am Not A Robot

Please check the box to continue.

I AM NOT A ROBOT.

Good Morning, Septic!

Property Owner Information and Adjusted Gross Income Reported on Federal Income Tax Return (Each property owner must be listed and must include their return information):

Name of Applicant(s): (If filing jointly, only include combined income once) ⓘ

(The following Income verification is required if you are applying for an additional \$5,000 grant for Low to Moderate Income homeowners.)

Type	First Name / Business	M.I.	Last Name:	Filing Status:	Tax Form:	Return Amount:	
Indiv. ▼	John		Doe	Select ▼	Sel ▼	0.00	
Indiv. ▼	Jane		Doe	Married - Si ▼	104 ▼	35000.00	Delete
Indiv. ▼	Jackson		Doe	Married - Si ▼	104 ▼	1500000.00	Delete
Busin ▼	Business Inc			Select ▼	Sel ▼		Delete
Busin ▼	Down To Biz			Select ▼	Sel ▼		Delete

ADD ADDITIONAL OWNER

Dwelling Information

Enter your address slowly, once it populates in the dropdown list, select the address and then click verify. If successful, the address will appear on the map below.

Address:	Zip Code:	Year Built:
8 Sheridan Drive, SHIRLEY	11967	1970

VERIFY

District:	Section:	Block:	Lot:
0200	981.90	05.00	004.000

ADD ADDITIONAL PARCEL # / DSBL

Enter in your tax map info as listed on your tax bill. Please add additional tax lot info as necessary.

District:

0200

Section:

981.90

Block:

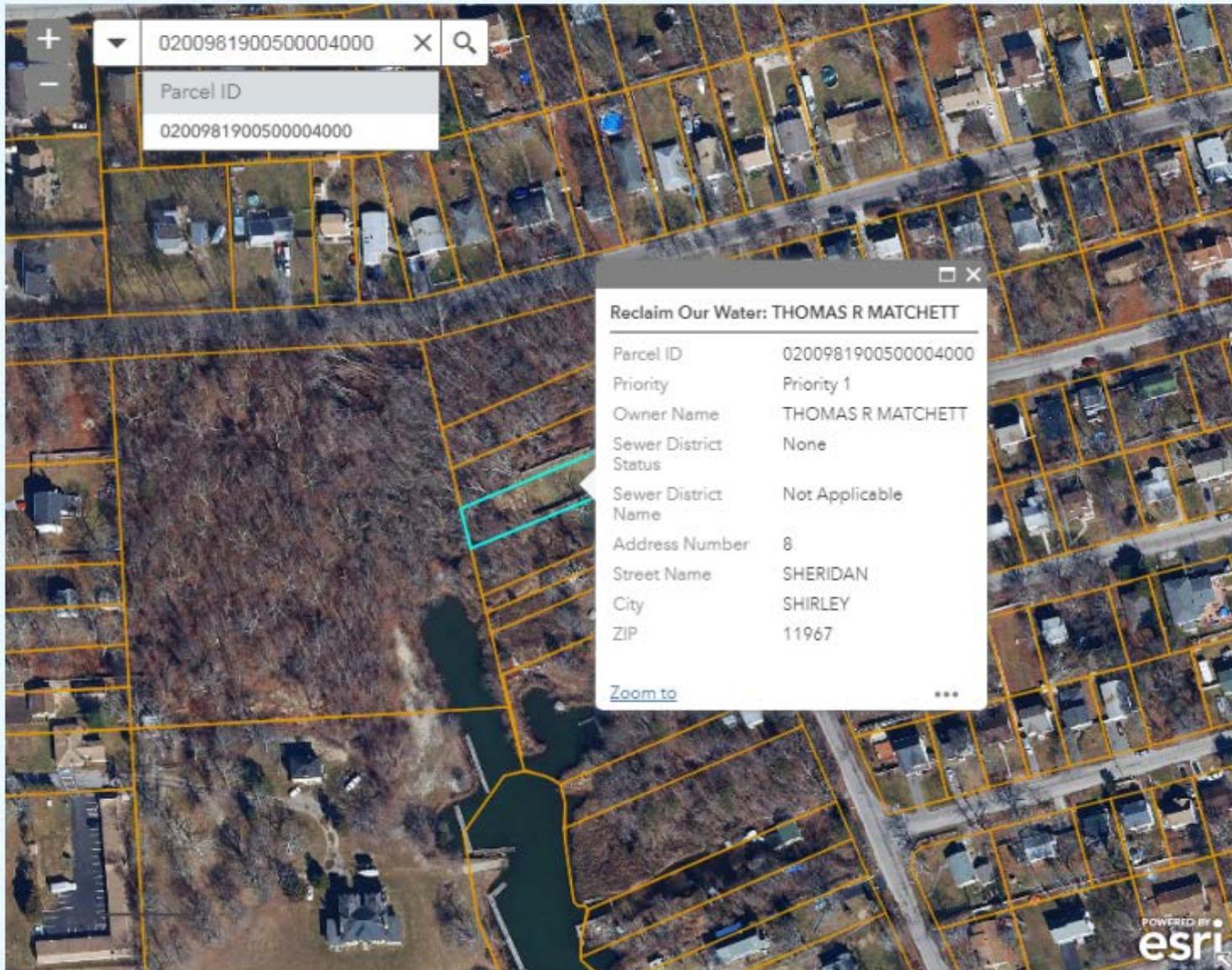
05.00

Lot:

004.000

ADD ADDITIONAL PARCEL # / DSBL

Enter in your tax map info as listed on your tax bill. Please add additional tax lot info as necessary.



Mailing Address:

Is mailing address different from physical address?

Yes No

Address / PO Box:

PO BOX 123

City:

Shirley

Zip:

11967

Dwelling Use/Features:

Single Family House?

Yes No

Bedrooms:

4

Occupied Year Round?

Yes No

Occupants:

2

Current Septic System Information:

Current System Is: Septic Tank and Leaching Pools Block Cesspool Precast Cesspool Other Unknown

If you are proposing to replace a failed or failing sanitary system, please answer the following questions:

(Note requires upload of proof of failure, including, but not limited to receipts, photos or certification from a design professional):

Sewage disposal system has to be pumped two (2) or more times a year?

Yes No

Sewage disposal system has collapsed or is collapsing?

Yes No

Sewage backing-up into the dwelling?

Yes No

Wastewater rising to the surface of the ground over or near any part of the existing sewage disposal system?

Yes No

Applicant Questionnaire

ANSWERING THE FOLLOWING QUESTIONS WILL ALLOW US TO DETERMINE IF YOU QUALIFY TO PARTICIPATE IN SUFFOLK COUNTY'S SEPTIC IMPROVEMENT PROGRAM. PLEASE CHECK "YES" OR "NO" FOR ALL STATEMENTS:

Is this application for new construction on a vacant lot?

Yes No

Does the residence rely on an onsite system (septic system or a cesspool)?

Yes No

Are there any real property tax liens on the property? 

Yes No

Is the property in foreclosure?

Yes No

Do you consent that the County may share each property Owner(s) name, property address, grant award (if any), and property deed with CDCLI Funding Corporation, non-profit third party lender that is offering low interest loans for the installation of I/A OWTS?

Yes No

[NEXT PAGE](#)

[LOG OUT](#)

(You must verify your address before continuing.)

Required Documents

Please upload all documents here. If you do not have all of your documents please click "Log Out" and collect all of your documents before returning.

The required documents include:

- Certificate of Occupancy or Equivalent
- Most Recent Property Tax Bill
- Proof of Homeowners Insurance Policy
- If applicable: proof of sanitary system failure (photo, service receipts, or certification from design professional)

Optional documents include (please choose Other when uploading):

- Property Deed
- Property Survey
- Floorplans
- Copies of water bills from October through February
- Copy of the first 2 pages of property owner(s)' most recently filed tax return along with the signature page (**please be sure to redact your Social Security Number**)

Please note that the only acceptable file types are:

- .jpeg
- .png
- .gif
- .jpg
- .bmp
- .pdf

Files can be no larger than 5MB.

Having trouble?

If you are having trouble completing the application or have questions, please contact the Department of Health Services at 681-852-5811 or septicdemo@suffolkcountyny.gov. Staff is available to assist you Monday-Friday from 9am-5pm.

Type	Files
Choose Type ▼	<input type="button" value="Choose File"/> No file chosen
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Choose Type ▼	<input type="button" value="Choose File"/> No file chosen

Attached Documents:

ID	Type	Name	Uploaded		
520	CO	EATONRJCO.pdf	Jul 12 2017	View	Delete
673	Deed	real-estate-deed.jpg	Jul 17 2017	View	Delete
674	Insurance	sample_proof_of_insu...jpg	Jul 17 2017	View	Delete
676	Tax Bill	taxbill.gif	Jul 17 2017	View	Delete

[SUBMIT FILES](#)
[GO BACK](#)
[NEXT PAGE](#)
[LOG OUT](#)



RANKING AND SCORING PROCESS

- Completed applications are scored and ranked as outlined in SIP rules and regulations.
- Homeowners will receive routine updates via e-mail as to the status of their application.
- Top ranked applications (based on priority area and documented failure) will be sent a Grant Acceptance packet which contains the Grant Certificate and Grant Agreement.
- Homeowners have 30 days to sign the Grant Agreement. If signed Grant Agreements are not received by the Suffolk County Department of Health Services (SCDHS) within 30 days the Grant Certificate will expire and the allocated funding will revert back into the Grant pool. If final approval is not issued within 365 days from execution of the Grant Agreement, the Grant Certificate will expire and funding will revert back into the Grant pool.



Septic Improvement Program - Homeowner Process Overview

For More Information visit www.ReclaimOurWater.info
Call the Suffolk County Department of Health Services at (631) 852-5811

How Does the Septic Improvement (SIP) Grant / Loan Program Work?

Important Information Before You Apply for the Septic Improvement Grant

Online Applications are available at www.ReclaimOurWater.info. Homeowners should gather the following required documents prior to beginning the application process:

- Copy of property deed
- Proof of Homeowner's Insurance
- Copy of most recent property tax bill

Reclaim Our Water

Suffolk County's Septic Improvement Program Understanding the Installation Process

1) Pre-installation photo of home on Shinnecock Bay with failing cesspool susceptible to overflows



2) Installation photo of new Orenco AX20-RT unit to a pressurized shallow drainfield.

Note: There will be extensive site disruption during installation

3) Completed installation photo



Note: the lids to finished grade as this is a requirement for these systems.

Note: It is recommended to give the soil time to settle before the contractor does final grading of site

Reclaim

SEPTIC IMPROVEMENT

What I/A OWTS Has

Covers to Grade:

Covers provide access to your septic system and must remain fully accessible.

Control Panels:

Control Panels are the brains of the I/A OWTS. They should be protected from weather and operation and maintenance providers.

Annual Operation & Maintenance:

The first three years are covered as part of the grant. Homeowners will need to sign a contract that makes them responsible for maintenance costs anticipated that O&M will cost approximately \$500 per year.

Increased Annual Electrical Cost:

Depending on the treatment process either runs continuously or on-demand, the systems that are not on-demand have annual electric costs ranging from \$50 to \$200.

Repair and Replacement Costs:

Homeowners should be aware that although I/A OWTS have a long track record of use in the USA, they do contain components such as pumps, floats, air compressors, and controls that may need to be replaced at some point during the useful life of the system. These component repair and replacement costs could range from \$50 to \$200.

Pumping Costs:

Although these systems provide advanced treatment, they will still need to be occasionally pumped by a septage hauler. Depending on use of the system, it is estimated that the average system would need to be pumped out every 3-5 years. This increases the treatment and useful life of any sewage disposal system including I/A OWTS. A typical pump-out is estimated to cost \$300 - \$500.

Reclaim Our Water

Overview of Provisionally Approved Technologies

What is Provisional Approval?

The Department of Health Services promulgated standards under Article 19 of the Suffolk County Sanitary Code that outlines the Approval Process of I/A OWTS Technologies. Systems provisionally approved in Suffolk County have a proven track record in other Eastern States such as New Jersey, Massachusetts, Rhode Island and Maryland. In addition, these systems have been rigorously tested in Suffolk County to ensure that they function as advertised. Suffolk County is one of the few jurisdictions that requires long term monitoring of the systems to ensure that homeowners are getting the best performance out of their water quality investment.

How do the Provisionally Approved Technologies Reduce Nitrogen?

Currently, all of the four Provisionally Approved Technologies in Suffolk County rely on biological processes to treat wastewater and convert and remove nitrogen. These systems use various methods to provide aerobic bacteria to convert organic nitrogen to nitrite and then use an anaerobic (without oxygen) environment to denitrify by stripping the oxygen molecule off of the nitrate, resulting in the release of gaseous nitrogen into our atmosphere.



Standard I/A OWTS Control Panel

Common Components on all I/A OWTS:

- Process tanks (including septic tank if required by the I/A manufacturer) with internal piping and valves
- Sewer piping between the dwelling and process tanks and between the process tanks and leaching structures
- Control Panel with electrical connection and high water alarms
- Conduit piping for electric wiring and junction boxes for electrical connections
- Active treatment component such as pumps, blowers, media or effluent filters.
- Risers/chimneys with covers to grade on all access openings
- Air vents with associated piping and carbon filter required



Reclaim Our Water with a state-of-the-art wastewater treatment system supported by a grant of up to \$11,000 from Suffolk County.

[Register](#)

SIP APPLICATION STATUS AS OF MARCH 19, 2019

- SCDHS started accepting applications July 3, 2017
 - ✓ 1,557 Total Applicants
 - ✓ 813 Registrants
 - ✓ 305 Active Grant Certificates
 - ✓ 7 Pending Grant Certificate Issuance
 - ✓ 156 Pending Review (Waiting for Documents)
 - ✓ 225 In Progress (Incomplete Applications)
 - ✓ 5 Not Eligible
- 75 Installations to date
- 81 Pending Installations
- 9 Pending Review

**SUFFOLK COUNTY
DEPARTMENT OF HEALTH SERVICES**

STEVEN BELLONE
SUFFOLK COUNTY EXECUTIVE



JAMES L. TOMARKEN, MD
MPH, MBA, MSW
COMMISSIONER

NEWS RELEASE

FOR IMMEDIATE RELEASE:
October 11, 2018

Contact: Grace Kelly-McGovern
631-854-0095

**INCREASED FUNDING AVAILABLE FOR HOMEOWNERS TO REPLACE OLD
CESSPOOLS AND SEPTICS**

**Addition of State Funding Allows County to Increase Grants to Make New
IA Systems More Affordable**

An award of \$10.025 million in State funding has allowed the Suffolk County Department of Health Services to increase the amounts of grants to homeowners who choose to replace their existing cesspools or septic systems with new Innovative/Alternative Onsite Wastewater Treatment Systems, Suffolk County Executive Steve Bellone announced today. As part of an expansion of the County's own Septic Improvement Program (SIP), homeowners who qualify under guidelines of the State Septic System Replacement Fund may be eligible to receive as much as \$20,000 in combined County and State funding, according to the County Executive. The additional funding will make it less expensive for homeowners to voluntarily replace aging and failing cesspools with state-of-the-art technologies that significantly improve treatment, extend system life, and enhance safety.

"As the County continues its historic work to improve water quality, New York State has recognized Suffolk as the leading county statewide in the battle to reduce nitrogen pollution by awarding us 70 percent of the first year's allocation under the State Septic Replacement Program," said Bellone. "As I have said many times, replacing cesspools and septic systems is critical if we are to improve water quality, but it will never work unless we can make it affordable for homeowners. The County's own program was an important step in the right direction, but the addition of this state funding will make it even easier for homeowners to replace their existing system with one designed to better protect the environment."



OCTOBER 11, 2018

SUFFOLK COUNTY

ANNOUNCES

ADDITIONAL \$10,000

GRANT FUNDING NOW

AVAILABLE TO

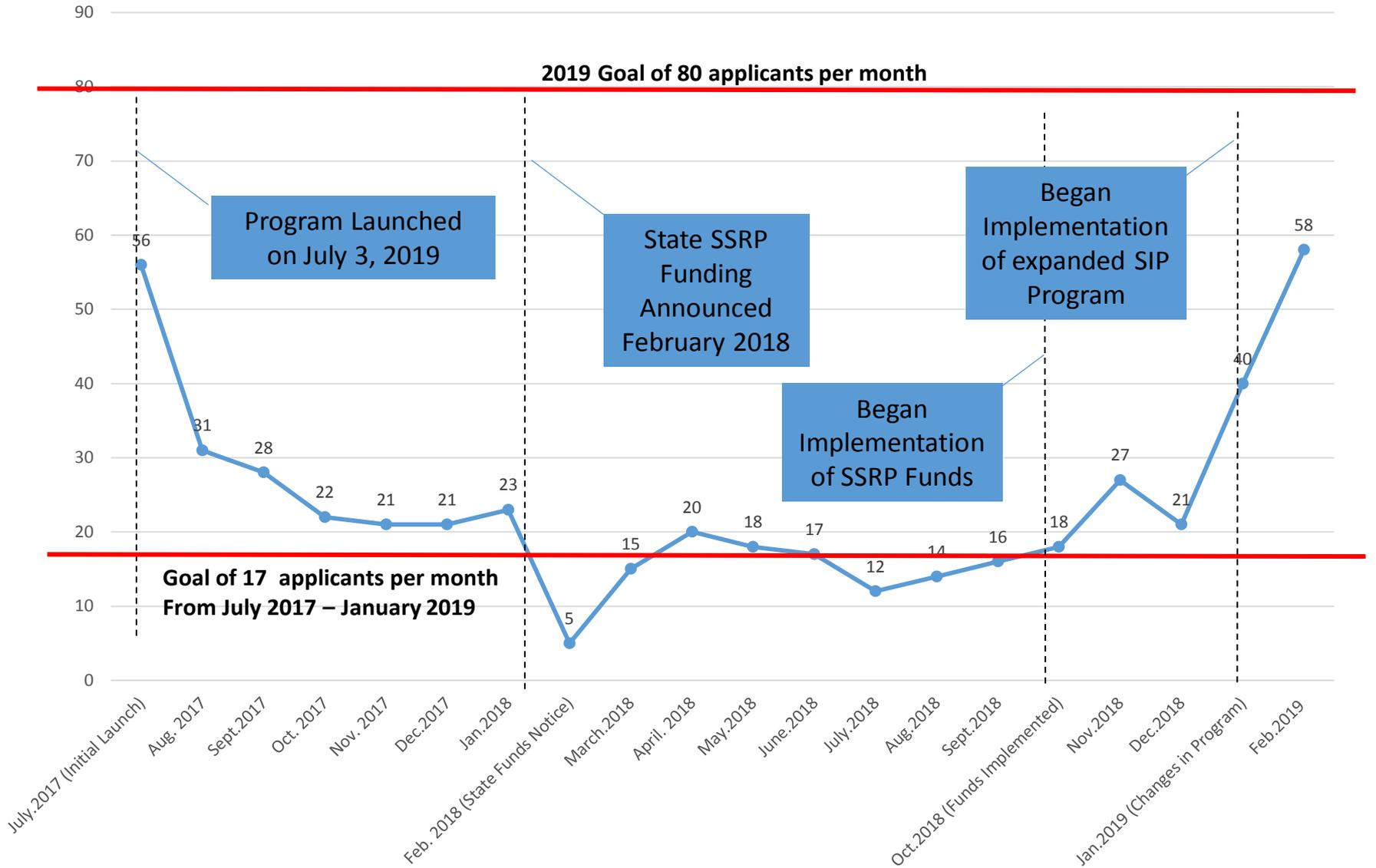
HOMEOWNERS



STATE SEPTIC SYSTEM REPLACEMENT FUND

- \$75 Million over five years /\$15 million per year
- Suffolk County receives **\$10,025,000 or 67%** of entire first year allocation
 - Program Eligibility
 - ✓ Must be located in a Priority Area
 - ✓ Must be failure, likely to fail, or determined by County Health Official that suspected to be major source of pollutants based on environmental factors.
 - ✓ Only single family homes, 2 family homes, and small businesses are eligible.
 - ✓ Projects cannot exceed 1,000 gpd
 - ✓ Seasonal / secondary homes at discretion of County Health Department
 - Ineligible Costs
 - ✓ Routine Maintenance
 - ✓ Sales tax
 - ✓ Fines, penalties, permit fees, and late fees
 - ✓ Non-essential site beautification
 - ✓ Administrative work completed by engineer
 - ✓ Construction oversight by engineer if engineer is also conduction septic repair or replacement

Septic Improvement Program Number of Applicants by Month





SIP GRANTS BY TOWN AS OF MARCH 19, 2019

Town	# of Grant Certificates Issued
Southampton *	86
Brookhaven	80
East Hampton *	53
Huntington	22
Islip	21
Southold	15
Shelter Island *	13
Smithtown	8
Babylon	4
Riverhead	3

*** Towns with grant / rebate programs**



TOTAL NUMBER OF I/A OWTS

➤ Total IA OWTS = 1,001

✓ Total Installs = 202 (53, Septic Demo, 63 SIP, 86 Other)

✓ Final Approval = 119

✓ Estimated installs that have not received Final Approval = 83

✓ Approved to Construct = 491

✓ Pending Approval = 308





Technology	# of Septic Demo Installs	# of SIP Jobs	Approval Status	Other Installations or Pending Applications
Hydroaction AN Series	5	56	Provisional	250
Norweco Singulair TNT	5	38	Provisional	194
Orenco Advantex AX20-RT	2	9	Provisional	20
Norweco Hydro-Kinetic	6	0	Provisional	2
Fuji Clean CEN Series	4	74	Provisional	308
Orenco Advantex AX-20	3	0	Demonstration	0
Orenco AX-MAX-225	1	0	Demonstration	1
BUSSE	2	0	Demonstration	0
Pugo	4	0	Demonstration	0
Ecoflo Cocofilter	2	0	Demonstration	0
Waterloo BioFilter	2	0	Demonstration	0
Amphidrome	2	0	Demonstration	0
BioMicrobics BioBarrier	2	0	Demonstration	0
BioMicrobics SepticTech STAAR	2	1	Provisional	2
BioMicrobics microFAST	0	0	Demonstration	0
Constructed Wetlands	2	0	Demonstration	1
Nitrogen Reducing BioFilters (NRB's)	9	0	Experimental	0
Totals	53	178		778

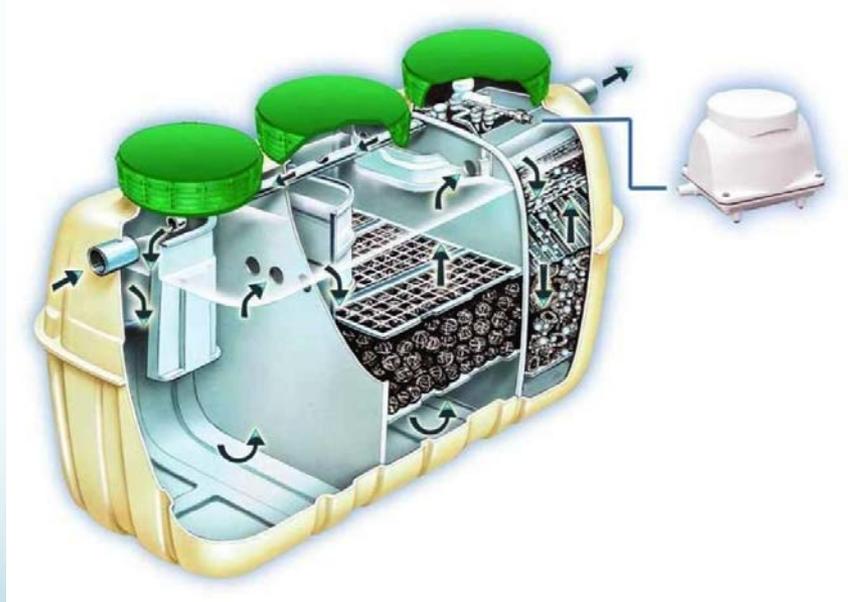
Total Combined Applications (Installed, Under Review, or Permitted) is 1009
Total Installs = 186 (53 Septic Demo, 73 SIP, 60 Other)



**Hydro-Action
312
Systems**



**Norweco
Singlair TNT
251
Systems**



**Fuji Clean
System
368
Systems**

AVERAGE COSTS UNDER SEPTIC IMPROVEMENT PROGRAM

I/A OWTS Installation Cost	Site Constraints	Leaching Field Type	Leaching Costs	Engineering Costs	Total Project Cost
\$15,733	2 leaching pools, shrubs in access way	Leaching Pools	2,107.00	\$2,500	20,340.00
\$18,789	Dewatering. Reroute plumbing. Removal of shrubs & Belgian block patio	Existing 5-Pool System	N/A	\$2,500	21,289.00
\$15,733	Existing System in Driveway.		3,217.00	\$2,500	21,450.00
\$13,584		New Leaching Pool Installed	3,261.00	\$2,500	19,345.00
\$16,395	High Groundwater, System in Driveway	Leaching Pools (5 pool system) Existing. Expansion Pools Installed.	6,325.00	\$2,500	25,220.00
\$17,274	Deep Excavation, Long Electrical Conduit Run, Cost includes removal of deck for access to yard	Leaching Pool	2,426.00	\$2,500	22,200.00
\$15,733		Leaching Galleys	1,476.00	\$2,500	19,709.00
\$16,276		Pressurized Shallow Drainfield	3,579.00	\$2,500	22,355.00
\$13,584	Tight Yard Access	Leaching Pool	2,511.00	\$2,500	18,595.00
\$19,044	6 bedroom; tree removal, reroute waterline	leaching pools	5,245.00	\$2,500	26,789.00
\$15,733		Infiltrator	2,643.25	\$2,500	20,876.25
\$16,095	Driveway Leaching Location	Leaching Pools	4,825	\$2,500	23,420.00
\$15,733		Eljen	4,243.25	N/A	19,976.25
\$15,733		Leaching Pool	2,643.25	\$2,500	20,876.25
\$15,733	Remove trees; raise wellhead; remove walkway; relocate water softener pipe	Leaching pool	4,030.13	\$2,500	22,263.13
\$13,584		Leaching Pools	5,346.00	\$2,500	21,430.00
\$16,095	H2O Traffic Loading tank and Leaching Pools	Leaching Pool	8,500	\$2,500	27,095.00
\$15,932.41			\$ 3,898.62	\$2,500.00	21,954.64



TAXABILITY OF GRANTS

- The SIP was designed so that funding is disbursed directly to installers, who report the grants as income, consistent with similar programs in other jurisdictions.
- The County's tax counsel issued an opinion confirming that the County should issue 1099 forms to the entities that actually receive disbursements of funding.
- The responsibility for generating tax forms lies with the Suffolk County Department of Audit & Control, under direction of the Suffolk County Comptroller, an independently elected official. The Suffolk County Comptroller has directed his staff to generate a Form 1099-G for each grant recipient.
- The County has confirmed that installers are already declaring the grants income and are paying income taxes on the grants, consistent with the intent of the program.
- The County has asked the Comptroller to rescind the 1099 forms he has issued to homeowners before April 15th and is waiting for him to respond.
- People who are concerned can contact the County Comptroller at (631)853-5040 and consult with their tax professional regarding tax implications.



CONTROL PANELS & AIR VENTS





HYDROACTION AN SERIES



**FUJI CEN SERIES
AFTER INSTALLATION**





SEPTITECH AFTER INSTALLATION



SYSTEM DETAILS: 3- Bedroom Home

Installed: October 2017

Designer: Studio A/B Architects

Technology: Norweco Singulair

Leaching: Existing Leaching Pools

Vendor: Roman Stone Construction



Cost Information

Design Costs	\$2,500.00
Installation Base Price: Scenario 1	\$12,439.00
Misc. Installation Costs	\$6,350.00
Total Installation Costs	\$18,789.00
Total Project Costs	\$21,289.00
SIP Grant	- \$10,000
Southampton CPF Rebate	- \$11,289.00
End Cost to Homeowner	\$0.00

"The Septic Improvement Program allowed me to purchase a system that I otherwise would not have been able to afford. I am environmentally conscientious and want a cleaner bay for my grandchildren and I to enjoy"- Homeowner

**SEPTIC IMPROVEMENT PROGRAM INSTALL
SYSTEM DETAILS: 5-Bedroom Home**
Installed: September 2017
Designer: TF Engineering
Technology: Hydroaction AN Series
 Provisionally Approved 9/28/16
Leaching: Pressurized Infiltrator Bed
Vendor: Eco Supply Company



Installation Photo of Hydroaction AN Series

Cost Information	
Design Costs	\$2,500.00
Total Installation Costs	\$19,855.00
Total Project Costs	\$22,355.00
SIP Grant	- \$11,000.00
Southampton CPF Rebate	- \$11,355.00
End Cost to Homeowner	\$0.00



Post-Installation Photo



ELIGIBLE COSTS INFORMATION:



LINE A	ENGINEERING COSTS	\$2,500.00
LINE B	INSTALLATION COSTS	\$13,500.00
LINE C	PUMPING AND DECOMMISSIONING COSTS	\$750.00
LINE D	3-YEAR O&M AND WARRANTY	\$750.00
LINE E	SALES TAX	\$797.82
LINE F	TOTAL COUNTY ELIGIBLE COSTS (SUM OF LINES A, B, C, & D)	\$18,297.82
LINE G	TOTAL STATE ELIGIBLE COSTS (SUM OF LINES A & B)	\$16,000.00



GRANT AWARD INFORMATION:

LINE H	SUFFOLK COUNTY SIP GRANT (up to \$11,000)	\$10,000.00
LINE I	NYS SSRP GRANT (up to \$10,000 of 50% STATE ELIGIBLE COSTS)	\$8,000.00
	PROPERTY OWNER OUT OF POCKET COSTS (LINE F MINUS LINES H & I)	\$297.82



ELIGIBLE COSTS INFORMATION:

LINE A	ENGINEERING COSTS	\$2,500.00
LINE B	INSTALLATION COSTS	\$26,384.00
LINE C	PUMPING AND DECOMMISSIONING COSTS	\$600.00
LINE D	3-YEAR O&M AND WARRANTY	\$750.00
LINE E	SALES TAX	\$957.38
LINE F	TOTAL COUNTY ELIGIBLE COSTS (SUM OF LINES A, B, C, D & E)	\$31,191.38
LINE G	TOTAL STATE ELIGIBLE COSTS (SUM OF LINES A & B)	\$28,884.00

GRANT AWARD INFORMATION:

LINE H	SUFFOLK COUNTY SIP GRANT (up to \$11,000)	\$10,000.00
LINE I	NYS SSRP GRANT (up to \$10,000 of 50% STATE ELIGIBLE COSTS)	\$10,000.00
	PROPERTY OWNER OUT OF POCKET COSTS (LINE F MINUS LINES H & I)	\$11,191.38



www.ReclaimOurWater.info

Questions?

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