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
“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.”
May – June 2015

Reclaim Our Water

- septic/cesspool systems: 69%
- atmospheric deposition: 21%
- sewage treatment plants: 1%
- lawns: 7%
- golf courses: 1%
- agriculture: 1%
- lawns: 7%

www.reclaimourwater.info

May – June 2015
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 – ~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 — ~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
**Innovative & Alternative Onsite Wastewater Treatment System (I/A OWTS)** will remove ~50-70% of total nitrogen compared to conventional system.
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**
  - **Pilot Program**
  - **Certifications**
- **Preparing the Industry**
  - **Licensing Law**
  - **Training**
- **Responsible Management Entity**
  - **Enacted Article 19**
  - **Regulate Installations and Maintenance**
- **Code Amendments**
  - **Working Groups**
  - **Updates of Outdated Regulations**
- **Putting New Technologies in Place**
  - **Identify Priority Areas for Advanced Treatment**
  - **Funding Mechanism**
PROVISIONALLY APPROVED I/A OWTS

Hydro-Action

Fuji Clean System

Norweco Singlar 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

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

*Standard is 19mg/L
Suffolk County Septic Improvement Program (SIP)
SUFFOLK COUNTY’S
SEPTIC IMPROVEMENT PROGRAM

APPROVED LOCAL LAW

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
**Priority Areas:**

1) Parcels located within the Priority Critical Areas (high or medium density parcels within the 0-2 year groundwater travel time or high or medium density residential parcels within 1,000 feet of enclosed water bodies in Suffolk County)

2) Parcels located within Critical Areas (high or medium density parcels within the 2-25 year groundwater travel time)

3) Parcels located outside Critical Areas
### 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

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

**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.

*** Engineering and design costs are not included in the above table and are the responsibility of the property owner ***
### 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

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

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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

<table>
<thead>
<tr>
<th>Technology Sorted by Date Approved</th>
<th>Vendor</th>
<th>Contact</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydro-Action AN Series</td>
<td>Direct Drainage</td>
<td><a href="mailto:DirectDrainage@aol.com">DirectDrainage@aol.com</a> 631-472-0677</td>
<td>$19,028.00</td>
</tr>
<tr>
<td></td>
<td>Clear River Environmental</td>
<td><a href="mailto:Dwarfren@clearriver.us">Dwarfren@clearriver.us</a> Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447</td>
<td>$22,250.00</td>
</tr>
<tr>
<td></td>
<td>A&amp;A Sewer and Drain Maintenance Inc.</td>
<td><a href="mailto:aasewerdrain@gmail.com">aasewerdrain@gmail.com</a> 631-849-1599</td>
<td>$22,707.25</td>
</tr>
<tr>
<td></td>
<td>Quackenbush Cesspools</td>
<td><a href="mailto:quackcesspools@ymail.com">quackcesspools@ymail.com</a> 631-907-4426</td>
<td>$23,118.89</td>
</tr>
<tr>
<td></td>
<td>Eastern Site Development</td>
<td><a href="mailto:info@eastersitedevelopment.com">info@eastersitedevelopment.com</a> 631-209-4240</td>
<td>$23,403.00</td>
</tr>
<tr>
<td></td>
<td>SYP Industries</td>
<td><a href="mailto:syipindustries@gmail.com">syipindustries@gmail.com</a> 631-775-0012</td>
<td>$24,182.66</td>
</tr>
<tr>
<td></td>
<td>South Fork Septic</td>
<td><a href="mailto:john@southforkeptic.com">john@southforkeptic.com</a> 631-283-0333</td>
<td>$25,917.56</td>
</tr>
<tr>
<td>Alpine Advantex AX20-RT</td>
<td>A&amp;A Sewer and Drain Maintenance Inc.</td>
<td><a href="mailto:aasewerdrain@gmail.com">aasewerdrain@gmail.com</a> 631-849-1599</td>
<td>$21,415.31</td>
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<tr>
<td>Norweco Hydro-Kinetic</td>
<td>Direct Drainage</td>
<td><a href="mailto:Info@DirectDrainage.net">Info@DirectDrainage.net</a> 631-475-9509</td>
<td>$21,391.88</td>
</tr>
<tr>
<td></td>
<td>Clear River Environmental</td>
<td><a href="mailto:Dwarfren@clearriver.us">Dwarfren@clearriver.us</a> Eastern Suffolk Office: 631-298-7749 Western Suffolk Office: 631-467-5447</td>
<td>$24,450.00</td>
</tr>
<tr>
<td></td>
<td>Roman Stone Systems LLC</td>
<td><a href="mailto:tmontalbine@romanstonesystems.com">tmontalbine@romanstonesystems.com</a> 631-667-0566 Ext.114</td>
<td>$24,919.85</td>
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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**

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

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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.
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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.

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*** Engineering and design costs are not included in the above table and are the responsibility of the property owner ***
## Septic Improvement Program – Vendor Contact Information

For More Information visit [www.ReclaimOurWater.info](http://www.ReclaimOurWater.info) or call (631) 852-5811

<table>
<thead>
<tr>
<th>Manufacturer &amp; Technology</th>
<th>Local Distributor</th>
</tr>
</thead>
</table>
| **Norweco Singulair & Hydro-Kinetic** | Tom Montalbine, President  
85 South Fourth Street - Bayshore, NY 11706  
Web: [www.romanstone.com](http://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](http://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

<table>
<thead>
<tr>
<th>Technology</th>
<th>1 year electrical consumption (kWh/year)</th>
<th>Increased electrical costs per year ($0.17/kWh)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Orenco Advantex AX20-RT</td>
<td>335.8 kWh</td>
<td>$73.88</td>
</tr>
<tr>
<td>Fuji Clean System</td>
<td>463.55 kWh</td>
<td>$101.98</td>
</tr>
<tr>
<td>Hydro-Action AN</td>
<td>734.26 kWh</td>
<td>$161.54</td>
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<tr>
<td>SeptiTech STAAR</td>
<td>912 kWh</td>
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<td>979.66 kWh</td>
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<tr>
<td>Norweco Hydro-Kinetic</td>
<td>1051.2 kWh</td>
<td>$231.26</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Technology</th>
<th>One Year Contract Cost</th>
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</thead>
<tbody>
<tr>
<td>Hydro-Action AN</td>
<td>$250.00</td>
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<tr>
<td>Orenco Advantex AX20-RT</td>
<td>$271.66</td>
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<tr>
<td>Fuji Clean Systems</td>
<td>$300.00</td>
</tr>
<tr>
<td>Norweco Hydro-Kinetic</td>
<td>$300.00</td>
</tr>
<tr>
<td>Norweco Singulair TNT</td>
<td>$315.00</td>
</tr>
<tr>
<td>SeptiTech STAAR</td>
<td>$250.00</td>
</tr>
</tbody>
</table>

**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

<table>
<thead>
<tr>
<th>Technology</th>
<th>Item</th>
<th>Cost</th>
<th>Life Expectancy</th>
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</thead>
<tbody>
<tr>
<td>Norweco Singulair TNT</td>
<td>Aerator Replacement</td>
<td>$500.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Control Panel Replacement**</td>
<td>$1,200.00</td>
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<tr>
<td>Fuji Clean CEN System</td>
<td>Blower Replacement (MAC 80R)</td>
<td>$320.00</td>
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<td></td>
<td>Blower Replacement (MAC 100R)</td>
<td>$420.00</td>
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<tr>
<td></td>
<td>Blower Rebuild</td>
<td>$150.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Float Replacement</td>
<td>$100.00</td>
<td>5-10 years</td>
</tr>
<tr>
<td></td>
<td>Control Panel Replacement**</td>
<td>$400.00</td>
<td>20 years</td>
</tr>
<tr>
<td>Hydro-Action AN Series</td>
<td>Blower Replacement</td>
<td>$400.00</td>
<td>10 years</td>
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<td></td>
<td>Blower Rebuild</td>
<td>$100.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Recirculation Pump Replacement</td>
<td>$400.00</td>
<td>10 years</td>
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<tr>
<td></td>
<td>Float Replacement</td>
<td>$80.00</td>
<td>5-10 years</td>
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<tr>
<td></td>
<td>Control Panel Replacement **</td>
<td>$1,200.00</td>
<td>20 years</td>
</tr>
<tr>
<td>Orenco Advantex AX20-RT</td>
<td>Recirculation Pump Replacement</td>
<td>$800.00</td>
<td>10 years</td>
</tr>
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<td></td>
<td>Float Replacement</td>
<td>$80.00</td>
<td>5-10 years</td>
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<tr>
<td></td>
<td>Control Panel Replacement **</td>
<td>$1,500.00</td>
<td>20 years</td>
</tr>
<tr>
<td>Norweco Hydro-Kinetic</td>
<td>Blower Replacement</td>
<td>$300.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Blower Rebuild</td>
<td>$100.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Recirculation Pump Replacement</td>
<td>$500.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Control Panel Replacement **</td>
<td>$1,200.00</td>
<td>20 years</td>
</tr>
<tr>
<td>SeptiTech STAAR</td>
<td>Recirculation Pump Replacement</td>
<td>$520.00</td>
<td>10 years</td>
</tr>
<tr>
<td></td>
<td>Float Replacement</td>
<td>$75.00</td>
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</tr>
<tr>
<td></td>
<td>Control Panel Replacement **</td>
<td>$1,200.00</td>
<td>20 years</td>
</tr>
</tbody>
</table>
The Grant Application Process
YOUR LETTERS

Tortuous

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-feet 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-

LISTENING & LEARNING

Our View

Two former town councilmen have weighed in on the Town Board's efforts to confront a crisis. Ed Brown, in an 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 then, 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 disaster in a thick layer 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...
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.
STEP 1 – REGISTER ONLINE AND ACTIVATE YOUR ACCOUNT
Applicant Information

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

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

Username: ___________________________

Password: ___________________________

Confirm Password: ___________________________

I Am Not A Robot

Please check the box to continue.

I AM NOT A ROBOT.

Register

Having trouble?

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.

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 631-852-5811, or septicdemo@suffolkcountyny.gov. Staff is available to assist you Monday-Friday from 9am-5pm.

Copyright © 2017, Suffolk County Government.
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.)

<table>
<thead>
<tr>
<th>Type</th>
<th>First Name / Business</th>
<th>M.I.</th>
<th>Last Name:</th>
<th>Filing Status:</th>
<th>Tax Form:</th>
<th>Return Amount:</th>
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<tr>
<td>Indiv</td>
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<td>Indiv</td>
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<td>Business Inc</td>
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<td>Sel</td>
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</tr>
<tr>
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<td>Down To Biz</td>
<td></td>
<td></td>
<td>Select</td>
<td>Sel</td>
<td></td>
</tr>
</tbody>
</table>

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: 8 Sheridan Drive, SHIRLEY

Zip Code: 11967

Year Built: 1970

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.
ADD ADDITIONAL PARCEL # / DSBL

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

Parcels:
- Parcel ID: 0200981900500004000
  - Owner Name: THOMAS R MATCHETT
  - Address Number: 8
  - Street Name: SHERIDAN
  - City: SHIRLEY
  - ZIP: 11967

District: 0200
Section: 981.90
Block: 05.00
Lot: 004.000
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: 1

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

Copyright © 2019, Suffolk County Government.
# 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:
- .jpg
- .png
- .gif
- .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 631-852-5811 or septicdemo@suffolkcounty.ny.gov. Staff is available to assist you Monday-Friday from 9am-3pm.

## Attached Documents:

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<th>ID</th>
<th>Type</th>
<th>Name</th>
<th>Uploaded</th>
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<td>Jul 12 2017</td>
</tr>
<tr>
<td>678</td>
<td>Deed</td>
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<td>Jul 17 2017</td>
</tr>
<tr>
<td>656</td>
<td>Tax Bill</td>
<td>taxbill.gif</td>
<td>Jul 17 2017</td>
</tr>
</tbody>
</table>
**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.
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.

3) Completed installation photo

---

Reclaim SEPTIC IMPRC
What I/A OWTs H:

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

Control Panels:
Control Panels are the brains of the I/A system. They should be properly maintained and monitoring providers should be consulted.

Annual Operation & Maintenance:
The first three years are covered as per the agreement, after which the homeowner is responsible for maintenance costs. Costs are anticipated to be low.

Increased Annual Electrical Cost:
Depending on the treatment process, the electrical system can range from $5 to $50:

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 hauler. Depending on the use of the system, it is estimated that the average system would need to be pumped every 3-5 years. This increases the treatment and useful life of any sewer disposal system including I/A OWTs. A typical pump-out is estimated to cost $300 - $500.
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
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.”
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

2019 Goal of 80 applicants per month

- Goal of 17 applicants per month From July 2017 – January 2019
- Program Launched on July 3, 2019
- State SSRP Funding Announced February 2018
- Began Implementation of expanded SIP Program
- Began Implementation of SSRP Funds

Program Launched on July 3, 2019
State SSRP Funding Announced February 2018
Began Implementation of expanded SIP Program
Began Implementation of SSRP Funds
**SIP Grants by Town as of March 19, 2019**

<table>
<thead>
<tr>
<th>Town</th>
<th># of Grant Certificates Issued</th>
</tr>
</thead>
<tbody>
<tr>
<td>Southampton *</td>
<td>86</td>
</tr>
<tr>
<td>Brookhaven</td>
<td>80</td>
</tr>
<tr>
<td>East Hampton *</td>
<td>53</td>
</tr>
<tr>
<td>Huntington</td>
<td>22</td>
</tr>
<tr>
<td>Islip</td>
<td>21</td>
</tr>
<tr>
<td>Southold</td>
<td>15</td>
</tr>
<tr>
<td>Shelter Island *</td>
<td>13</td>
</tr>
<tr>
<td>Smithtown</td>
<td>8</td>
</tr>
<tr>
<td>Babylon</td>
<td>4</td>
</tr>
<tr>
<td>Riverhead</td>
<td>3</td>
</tr>
</tbody>
</table>

* 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
<table>
<thead>
<tr>
<th>Technology</th>
<th># of Septic Demo Installs</th>
<th># of SIP Jobs</th>
<th>Approval Status</th>
<th>Other Installations or Pending Applications</th>
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</thead>
<tbody>
<tr>
<td>Hydroaction AN Series</td>
<td>5</td>
<td>56</td>
<td>Provisional</td>
<td>250</td>
</tr>
<tr>
<td>Norweco Singulair TNT</td>
<td>5</td>
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<td>BUSSE</td>
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<td>Pugo</td>
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<tr>
<td>Ecoflo Cocofilter</td>
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<td>Demonstration</td>
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<tr>
<td>Waterloo BioFilter</td>
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<td>Demonstration</td>
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<tr>
<td>Amphidrome</td>
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<tr>
<td>BioMicrobes BioBarrier</td>
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<td>Demonstration</td>
<td>0</td>
</tr>
<tr>
<td>BioMicrobes SepticTech STAAR</td>
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<td>1</td>
<td>Provisional</td>
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<tr>
<td>BioMicrobes microFAST</td>
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<td>0</td>
<td>Demonstration</td>
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<tr>
<td>Constructed Wetlands Nitrogen Reducing BioFilters (NRB’s)</td>
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<td>9</td>
<td>Demonstration</td>
<td>Experimental</td>
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<tr>
<td><strong>Totals</strong></td>
<td><strong>53</strong></td>
<td><strong>178</strong></td>
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<td><strong>778</strong></td>
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</table>

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

<table>
<thead>
<tr>
<th>I/A OWTS Installation Cost</th>
<th>Site Constraints</th>
<th>Leaching Field Type</th>
<th>Leaching Costs</th>
<th>Engineering Costs</th>
<th>Total Project Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>$15,733</td>
<td>2 leaching pools, shrubs in access way</td>
<td>Leaching Pools</td>
<td>2,107.00</td>
<td>$2,500</td>
<td>20,340.00</td>
</tr>
<tr>
<td>$18,789</td>
<td>Dewatering, Reroute plumbing, Removal of shrubs &amp; Belgian block patio</td>
<td>Existing 5-Pool System</td>
<td>N/A</td>
<td>$2,500</td>
<td>21,289.00</td>
</tr>
<tr>
<td>$15,733</td>
<td>Existing System in Driveway.</td>
<td>Leaching Pools</td>
<td>3,217.00</td>
<td>$2,500</td>
<td>21,450.00</td>
</tr>
<tr>
<td>$13,584</td>
<td>2 leaching pools, shrubs in access way</td>
<td>Leaching Pools</td>
<td>3,261.00</td>
<td>$2,500</td>
<td>19,345.00</td>
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<tr>
<td>$16,395</td>
<td>High Groundwater, System in Driveway</td>
<td>Leaching Pools (5 pool system)</td>
<td>6,325.00</td>
<td>$2,500</td>
<td>25,220.00</td>
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<tr>
<td>$17,274</td>
<td>Deep Excavation, Long Electrical Conduit Run, Cost includes removal of deck for access to yard</td>
<td>Leaching Pool</td>
<td>2,426.00</td>
<td>$2,500</td>
<td>22,200.00</td>
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<tr>
<td>$15,733</td>
<td>Leaching Galleys</td>
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<td>19,709.00</td>
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<tr>
<td>$16,276</td>
<td>Pressurized Shallow Drainfield</td>
<td>Leaching Pool</td>
<td>3,579.00</td>
<td>$2,500</td>
<td>22,355.00</td>
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<tr>
<td>$13,584</td>
<td>Tight Yard Access</td>
<td>Leaching Pool</td>
<td>2,511.00</td>
<td>$2,500</td>
<td>18,595.00</td>
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<tr>
<td>$19,044</td>
<td>6 bedroom; tree removal, reroute waterline</td>
<td>Leaching pools</td>
<td>5,245.00</td>
<td>$2,500</td>
<td>26,789.00</td>
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<tr>
<td>$15,733</td>
<td>Infiltrator</td>
<td>2,643.25</td>
<td>$2,500</td>
<td>20,876.25</td>
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<tr>
<td>$16,095</td>
<td>Driveway Leaching Location</td>
<td>Leaching Pools</td>
<td>4,825</td>
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<td>23,420.00</td>
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<td>$15,733</td>
<td>Eljen</td>
<td>4,243.25</td>
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<td>19,976.25</td>
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<tr>
<td>$15,733</td>
<td>Leaching Pool</td>
<td>2,643.25</td>
<td>$2,500</td>
<td>20,876.25</td>
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</tr>
<tr>
<td>$15,733</td>
<td>Remove trees; raise wellhead; remove walkway; relocate water softener pipe</td>
<td>Leaching pool</td>
<td>4,030.13</td>
<td>$2,500</td>
<td>22,263.13</td>
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<tr>
<td>$13,584</td>
<td>Leaching Pools</td>
<td>5,346.00</td>
<td>$2,500</td>
<td>14,940.00</td>
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<tr>
<td>$16,095</td>
<td>H2O Traffic Loading tank and Leaching Pools</td>
<td>Leaching Pool</td>
<td>8,500</td>
<td>$2,500</td>
<td>27,095.00</td>
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</tbody>
</table>

**Total:** $15,932.41

**Engineering Costs:** $3,898.62

**Total Project Cost:** $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

<table>
<thead>
<tr>
<th>Cost Information</th>
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</thead>
<tbody>
<tr>
<td>Design Costs</td>
<td>$2,500.00</td>
</tr>
<tr>
<td>Installation Base Price: Scenario 1</td>
<td>$12,439.00</td>
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<tr>
<td>Misc. Installation Costs</td>
<td>$6,350.00</td>
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<tr>
<td>Total Installation Costs</td>
<td>$18,789.00</td>
</tr>
<tr>
<td>Total Project Costs</td>
<td>$21,289.00</td>
</tr>
<tr>
<td>SIP Grant</td>
<td>- $10,000</td>
</tr>
<tr>
<td>Southampton CPF Rebate</td>
<td>- $11,289.00</td>
</tr>
<tr>
<td>End Cost to Homeowner</td>
<td>$0.00</td>
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</tbody>
</table>

“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

### Cost Information

<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
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<tbody>
<tr>
<td>Design Costs</td>
<td>$2,500.00</td>
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<tr>
<td>Total Installation Costs</td>
<td>$19,855.00</td>
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<tr>
<td>Total Project Costs</td>
<td>$22,355.00</td>
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<tr>
<td>SIP Grant</td>
<td>- $11,000.00</td>
</tr>
<tr>
<td>Southampton CPF Rebate</td>
<td>- $11,355.00</td>
</tr>
<tr>
<td>End Cost to Homeowner</td>
<td>$0.00</td>
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**ELIGIBLE COSTS INFORMATION:**

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<thead>
<tr>
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<th>Amount</th>
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<tbody>
<tr>
<td>A</td>
<td>ENGINEERING COSTS</td>
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<tr>
<td>B</td>
<td>INSTALLATION COSTS</td>
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<tr>
<td>C</td>
<td>PUMPING AND DECOMMISSIONING COSTS</td>
<td>$750.00</td>
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<tr>
<td>D</td>
<td>3-YEAR O&amp;M AND WARRANTY</td>
<td>$750.00</td>
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<tr>
<td>E</td>
<td>SALES TAX</td>
<td>$797.82</td>
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<tr>
<td>F</td>
<td>TOTAL COUNTY ELIGIBLE COSTS (SUM OF LINES A, B, C, &amp; D)</td>
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<td>G</td>
<td>TOTAL STATE ELIGIBLE COSTS (SUM OF LINES A &amp; B)</td>
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**GRANT AWARD INFORMATION:**

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<tbody>
<tr>
<td>H</td>
<td>SUFFOLK COUNTY SIP GRANT (up to $11,000)</td>
<td>$10,000.00</td>
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<tr>
<td>I</td>
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<td>PROPERTY OWNER OUT OF POCKET COSTS (LINE F MINUS LINES H &amp; I)</td>
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## Eligible Costs Information:

<table>
<thead>
<tr>
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<td>A</td>
<td>Engineering Costs</td>
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<td>B</td>
<td>Installation Costs</td>
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<tr>
<td>C</td>
<td>Pumping and Decommissioning Costs</td>
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<td>D</td>
<td>3-Year O&amp;M and Warranty</td>
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<td>E</td>
<td>Sales Tax</td>
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<td>Total County Eligible Costs (sum of lines A, B, C, D &amp; E)</td>
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<td>Total State Eligible Costs (sum of lines A &amp; B)</td>
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<td>H</td>
<td>Suffolk County SIP Grant (up to $11,000)</td>
<td>$10,000.00</td>
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<tr>
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<td>NYS SSRP Grant (up to $10,000 of 50% State Eligible Costs)</td>
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<td>Property Owner Out of Pocket Costs (line F minus lines H &amp; I)</td>
<td>$11,191.38</td>
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</table>
www.ReclaimOurWater.info

Questions?

Justin Jobin, Environmental Projects Coordinator
Justin.Jobin@suffolkcountyny.gov
631-852-5811