

BAY RESTORATION FUND RANKING DOCUMENTATION 2011

COST OF PURCHASE, INSTALLATION AND 5 YEAR OPERATION MAINTENANCE			MEAN % REDUCTION TN (Using 60mg/L influent)			PRICE PER POUND OF N REDUCED				
VENDOR IN ASCENDING ORDER		VERIFIED BY	VENDOR IN ASCENDING ORDER	MEAN EFFLUENT CONCENTRATION	VERIFIED BY	VENDOR IN ASCENDING ORDER		VERIFIED BY		
1	BioMicrobics RetroFast**	\$9,405.00	1	AdvanTex AX20	71%	17 mg/L	1	Advantex AX20	\$73.04	MDE
2	Singulair TNT	\$11,079.00	2	SeptiTech M400D	67%	20 mg/L	2	HOOT BNR	\$81.38	MDE
3	Hoot BNR	\$11,954.00	3	Hoot BNR	64%	21 mg/L	3	RetroFast**	\$85.18	MDE
4	AdvanTex AX20	\$12,300.00	4	RetroFast	57%	25 mg/L	4	Singulair TNT	\$89.64	MDE
5	SeptiTech M400D	\$13,056.00	5	Singulair TNT	55%	27 mg/L	5	SeptiTech M400D	\$91.17	MDE
1	Singulair Green	\$11,079.00	1	Advantex AX20RT		Deliberative Data	1	Advantex AX20RT		Deliberative Data
2	Advantex AX20RT	\$12,300.00	2	Amphidrome		Deliberative Data	2	Amphidrome		Deliberative Data
3	Bionest SOLO OT-60	\$13,219.00	3	Bioclere		Deliberative Data	3	Bioclere		Deliberative Data
4	Hoot ANR	\$15,607.70	4	Bionest		Deliberative Data	4	Bionest		Deliberative Data
5	Aquapoint Bioclere	\$16,750.00	5	Hoot ANR		Deliberative Data	5	Hoot ANR		Deliberative Data
6	Nitrex***	\$17,000.00	6	Nitrex***		Deliberative Data	6	Nitrex***		Deliberative Data
7	Amphidrome	\$22,921.50	7	Singulair Green		Deliberative Data	7	Singulair Green		Deliberative Data

All prices are Estimates and subject to change, contact Manufacturer.
 Price does not include electrical costs per year
 Price does not include cost of pumping septage

Non Field Verified systems are listed alphabetically.
 For a flow chart on how to become a BAT in MD, click here.

** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.; Price includes use of new tank. For use of existing tank, contractor must certify tank suitable and watertight
 As the data for non field verified systems is incomplete, MDE has classified the % reduction of TN and the Price per Pound of N Reduced for Non Field Verified Systems as Deliberative Data.

*** Nitrex unit Add-on anoxic filter. Price includes the use of Advantex AX20 unit.
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** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.
 Price per pound of N reduced equals (((Price of technology plus (increased electrical costs multiplied by Ten))divided by Ten) divided by (24.32 lbs of N per year multiplied by percent reduction of N by system)
 As the data for non field verified systems is incomplete, MDE has classified the % reduction of TN and the Price per Pound of N Reduced for Non Field Verified Systems as Deliberative Data.

VENDOR IN ASCENDING ORDER	1 YEAR ELECTRICAL CONSUMPTION (represented as kWh/ year)	INCREASED ELECTRICAL COSTS PER YEAR ASSUMING \$0.093 PER kWh	VERIFIED BY	
1	Advantex AX20	335.8 kWh/ year	\$31.23	OSET NTP
2	Hoot BNR	765.77 kWh/ year	\$71.22	NSF International
3	Singulair TNT	979.66 kWh/ year	\$91.11	NAT Testing Lab
4	SeptiTech M400D	1934.50 kWh/ year	\$179.91	Vendor
5	RetroFast**	2584 kWh/year	\$240.31	Pump Manufacturer
1	Advantex AX20RT	335.8 kWh/year	\$31.23	OSET NTP
2	Nitrex***	394.2 kWh/year	\$36.66	Vendor/ OSET NTP
3	Hoot ANR	765.77 kWh/year	\$71.22	NSF International
4	Amphidrome	839.5 kWh/year	\$78.07	EPA, ETI
5	Bioclere	886.44 kWh/year	\$82.44	New Jersey Pinelands study
6	Singulair Green	979.66 kWh/year	\$91.11	NAT Testing Lab
7	Bionest SOLO OT-60	1752 kWh/year	\$162.94	Pump Manufacturer

\$0.093 is the average kWh rate from BGE, August 2011.
 For electrical pricing, Click here.

** RetroFast unit limited to households of 1-4 occupants with 3 bedrooms or less.
 *** Nitrex unit electrical consumption is based on the electrical use of the Nitrex system coupled with an Advantex AX20.

VENDOR IN ASCENDING ORDER	OPERATION AND MAINTENANCE PER YEAR AFTER THE 5 YEAR	MINIMUM NUMBER OF SITE VISITS PER CONTRACT	VERIFIED BY	
1	Hoot BNR	\$150.00	1	Vendor
2	AdvanTex AX20	\$200.00	1	Vendor
3	Singulair TNT	\$300.00	2	Vendor
4	RetroFast	\$300.00	2	Vendor
5	SeptiTech M400D	\$300.00	1	Vendor
1	Bionest	\$100.00	1	Vendor
2	Bioclere	\$200.00	2	Vendor
3	Advantex RT	\$200.00	1	Vendor
4	Nitrex	\$200.00	1	Vendor
5	Hoot ANR	\$250.00	1	Vendor
6	Singulair Green	\$300.00	2	Vendor
7	Amphidrome	\$330.00	1	Vendor

Analysis based on price to homeowner per year
 All prices are Estimates and subject to change, contact manufacturer.

Additional Charges may apply with certain manufacturers. It is the responsibility of the homeowner to contact the manufacturer for precise details of contract.

<p>RED Font = Technologies that have successfully completed Maryland's Bay Restoration Fund Field Verification process.</p> <p>BLUE Font = Technologies that have not completed Maryland's Bay Restoration Fund Field Verification process.</p> <p>For a flow chart on how to become a BAT in MD, click here.</p>	<p>Please contact the county Environmental Health Division for specific process of submitting an application for the Bay Restoration Fund.</p> <p>For a list of county contact information, CLICK HERE.</p>	<p>The information on this page is subject to change. Before selecting a technology for use on the property in question, please contact each vendor to verify the information is current and accurate. MDE is only a facilitator in presenting this information in accordance with HB347. MDE strongly advises that the applicant contact the vendor directly for more information.</p> <p>For a list of vendor contact information, CLICK HERE.</p>
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