

Florida Department of Environmental Protection



Office of Sustainable Initiatives

Florida Clean Marina and Clean Vessel Act Programs

February 12, 2014

Edward Russell, *Environmental Consultant*





Office of Sustainable Initiatives

The Office of Sustainable Initiatives is composed of **voluntary, non-regulatory** programs that safeguard Florida's natural resources while improving the state's quality of life and economic viability.

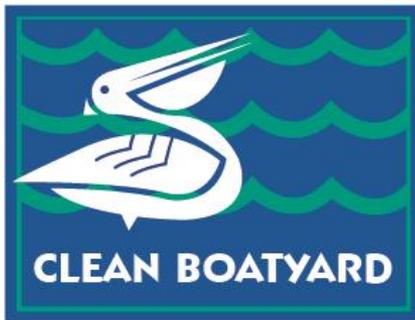
The Office of Sustainable Initiatives is primarily responsible for:

- **Florida Clean Marina Program**
- **Clean Vessel Act Grant Program**
- Florida Green Lodging Program



Florida Clean Marina Program

The Clean Marina Program is a voluntary designation program for Marinas, Retailers and Boatyards that exhibit a proactive approach to environmental stewardship.





Florida Clean Marina Program

The Clean Marina Program helps to meet Secretary Vinyard's priority of "getting the water right."



1. Ensuring a more certain regulatory process that is interpreted consistently across the state and that is proactive to the environment
2. Getting the water right in Florida
3. Giving Floridians and visitors more opportunities to enjoy our award winning state parks



Clean Boating Partnership



MARINE
INDUSTRIES
ASSOCIATION
OF FLORIDA, INC.





Clean Marina Program Stats

Program Totals:

- Designated Clean Marinas: **279** (23 Monroe County)
- Designated Clean Boatyards: **42** (1 Monroe County)
- Designated Clean Retailers: **19** (2 Monroe County)

To become designated, facilities must implement a set of criteria designed to protect Florida's waterways.

Examples include:

- Protection of sensitive habitats
- Waste management
- Spill prevention and emergency preparedness
- Stormwater control



Florida Clean Marina Program

- Completely non-regulatory and voluntary.
- The Florida Clean Marina Program is a true partnership between industry and government.
- Designed to benefit marine and freshwater bodies of water.
- Ties together facilities, boaters and the environment.
- **It's about Prevention.**
- **It's about Clean Water.**



Clean Marina Program Benefits

- Technical assistance
- Compliance assistance
- Grant funding for pumpouts
- Possible insurance discounts
- Discount on Submerged Land Leases
- *Attract and Keep Customers*
 - *Clean Water – Clean Environment – Protecting the resources that bring them to Florida & the Keys*



Compliance Assistance Topics

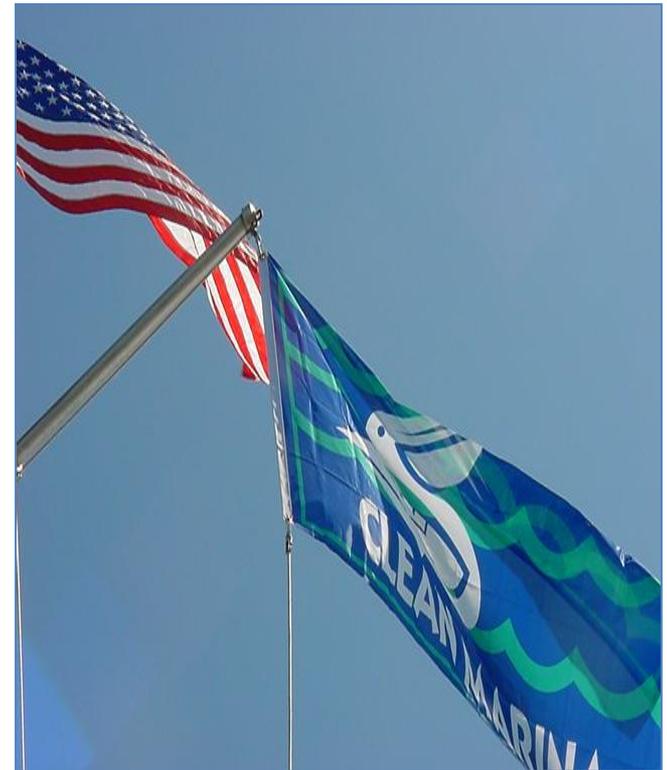
- Air regulations
- Stormwater regulations
- Wastewater regulations
- Hazardous waste regulations
- Submerged land regulations
- Fuel storage tank regulations





Categories of Program Criteria

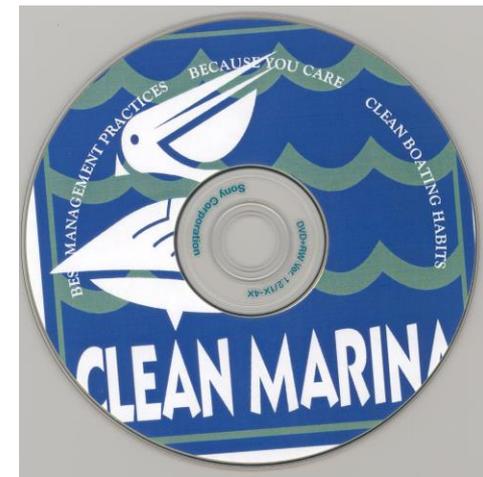
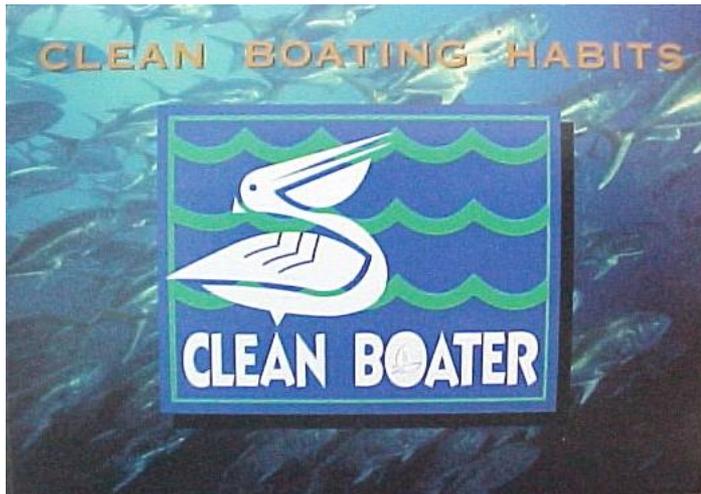
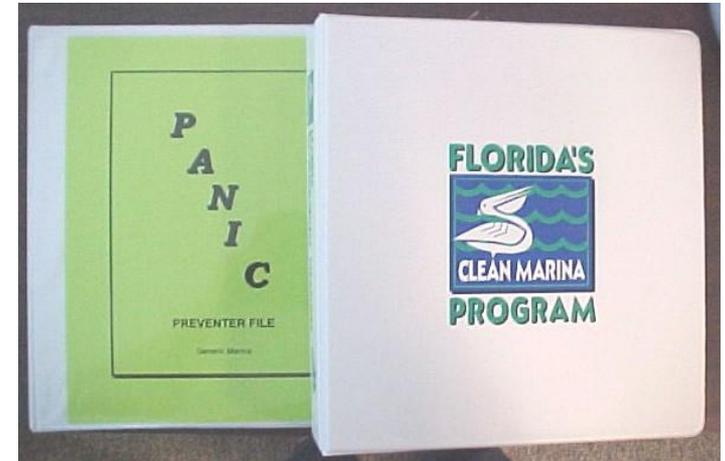
- The requirements for designation in each of the Florida Clean Marina Programs can be divided into three separate categories.
- **Environmental Management**
 - Compliance with Environmental Regulations
 - Resource Person available for assistance and information
 - Publishing Environmental Policies
- **Environmental Quality**
 - Promoting Clean Water through management and providing information (e.g. oil, sewage, litter)
- **Services**
 - Training of staff
 - Education
 - Clean Facilities i.e. docks, restrooms





Resource Toolkit

- Clean Marina Manual
- Panic Preventer File
- Clean Boating Habits
- Brochures



Best Management Practices

Self Review

FUELLINE (OPTIONAL SERVICE)

Comments	Required Points	Total	Optional Points	Total
1. Approved Spill Contingency Plan prepared according to Rule 62N-16.003, F.A.C.	10			
2. Facility personnel reviews the spill contingency plan - annually	10			
3. Train facility personnel on the implementation of the spill contingency plan - annually			20	
4. Booming material measuring 3 times the length of the largest vessel that can enter the waters of your facility: <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization 	20			
5. Facility servicing vessels 10,000 gallons of diesel fuel or storage tanks capacity. Cleanup equipment as specified in Rule 62N-16.034, F.A.C. <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization # Not give 20 points	20			
6. Facility has personnel adequately trained (i.e. 24 hour clock that responder/owner) available on-site or via contract	20			
7. Fuel transfer, use, and disposal of fuel				
Total	100		20	

Underground and underground storage tanks (AST/UST) are regulated by State Statutes Chapter 62-761, respectively, and are overseen by local county agencies. In addition to the State rules, the county agencies may have rules that are more stringent than the State's rules.

Revised February 2, 2008

Checklist 4

FUELLINE (OPTIONAL SERVICE)

Comments	Required Points	Total	Optional Points	Total
1. Approved Spill Contingency Plan prepared according to Rule 62N-16.003, F.A.C.	10			
2. Facility personnel reviews the spill contingency plan - annually	10			
3. Train facility personnel on the implementation of the spill contingency plan - annually			20	
4. Booming material measuring 3 times the length of the largest vessel that can enter the waters of your facility: <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization 	20			
5. Facility servicing vessels 10,000 gallons of diesel fuel or storage tanks capacity. Cleanup equipment as specified in Rule 62N-16.034, F.A.C. <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization # Not give 20 points	20			
6. Facility has personnel adequately trained (i.e. 24 hour clock that responder/owner) available on-site or via contract	20			
7. Fuel transfer, use, and disposal of fuel				
Total	100		20	

Underground and underground storage tanks (AST/UST) are regulated by State Statutes Chapter 62-761, respectively, and are overseen by local county agencies. In addition to the State rules, the county agencies may have rules that are more stringent than the State's rules.

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Checklist 4

FUELLINE (OPTIONAL SERVICE)

Comments	Required Points	Total	Optional Points	Total
1. Approved Spill Contingency Plan prepared according to Rule 62N-16.003, F.A.C.	10			
2. Facility personnel reviews the spill contingency plan - annually	10			
3. Train facility personnel on the implementation of the spill contingency plan - annually			20	
4. Booming material measuring 3 times the length of the largest vessel that can enter the waters of your facility: <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization 	20			
5. Facility servicing vessels 10,000 gallons of diesel fuel or storage tanks capacity. Cleanup equipment as specified in Rule 62N-16.034, F.A.C. <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization # Not give 20 points	20			
6. Facility has personnel adequately trained (i.e. 24 hour clock that responder/owner) available on-site or via contract	20			
7. Fuel transfer, use, and disposal of fuel				
Total	100		20	

Underground and underground storage tanks (AST/UST) are regulated by State Statutes Chapter 62-761, respectively, and are overseen by local county agencies. In addition to the State rules, the county agencies may have rules that are more stringent than the State's rules.

Revised February 2, 2008

Checklist 4



Section 1: Checklist

Checklist SECTION 1

EMERGENCIES

1. Emergency "Panic" File On Site
2. Staff Trained for Emergencies
3. Marina Prepared for Fuel Spill

Comments	Required Points		Optional Points	
	Points	Total	Points	Total
			20	
			20	
	20			
Total	20		40	

HURRICANE PREPAREDNESS

1. Hurricane Preparation Plan
2. Practice Hurricane Procedures

Comments	Required Points		Optional Points	
	Points	Total	Points	Total
			20	
			10	
Total			30	

BOAT CLEANING

1. Ship's store provides biodegradable soaps for washing boats
2. Provide education material to boaters on proper boat cleaning
3. Prohibit the use of cleansers that contain ammonia, petroleum distillates, sodium hypochlorite or chlorinated solvents
4. Use cleaning methods that prevent the release of pollutants to surface waters
5. Post signs or displays to promote proper boat cleaning methods
6. Bilges are checked and contents disposed of properly before drain plug is pulled
7. Use infiltration areas to treat rinse water
8. Educate public about existing and potential exotics in your area
9. Post educational signage about invasive exotics to boaters

Comments	Required Points		Optional Points	
	Points	Total	Points	Total
			10	
			10	
			10	
	10			
			10	
			10	
			10	
			10	
Total	10		80	

Required Points

Optional Points

Checklist 3

Revised February 2, 2000

REGULATORY REQUIREMENTS:

1. The Pollutant Discharge Act addresses transfers of pollutants: Section 376.07 Florida Statutes.
 - (a) Transfer equipment and hoses shall be maintained in good repair and operating condition. Chapter 62N-16.035 Florida Administrative Code.
 - (b) Delivery nozzles should be hard connected and hung vertically when not in use. Chapter 62N-16.035 Florida Administrative Code.
 - (c) Pollutants remaining in a hose cannot be drained onto the ground or water. Chapter 62N-16.035 Florida Administrative Code.
 - (d) Safety impact valves are required for dispensers. Chapter 62N-16 Florida Administrative Code.
2. Facility owner/operators or designees must be present during fueling and must have direct access to emergency shut off devices. Chapter 62N-16 Florida Administrative Code.

Regulatory Requirements if applicable



Section 2: Criteria

- **Environmental Management**
- **Environmental Quality**
- **Environmental Services**

Checklist
SECTION 2

Marina Name (please print)

For each of the criteria listed below in this section answer the question based on the operations of the marina in effect at the time this worksheet is being completed to achieve designation all criteria must be met.

Environmental Management

A. Compliance with environmental and submerged land lease regulations, and using Marina Environmental Measures as determined from the self-assessment checklist and designation review.

YES	NO	If NO, then implement all applicable measures as determined from completing the self-assessment checklist for Compliance and Marina Environmental Measures in Section I . Indicate when all applicable measures will be accomplished and total cost to implement. When complete note the date.
_____	\$ _____	_____
When	Cost	Completed

B. Available resource person at the marina who provides customers with environmental information, and who can be contacted for inquiries about the Clean Marina Program and environmental issues pertinent to the marina.

YES	NO	If NO, then designate someone who will provide customers with environmental information and information about the Clean Marina Program. Indicate when this will be accomplished and cost to implement. When completed note the date.
_____	\$ _____	_____
When	Cost	Completed

C. Adequate and well-managed trash/garbage containers.

YES	NO	If NO, provide trash/garbage containers every 50 to 75 feet, keep empty and managed for cleanliness. Indicate when this will be accomplished and cost to implement. When completed note the date.
_____	\$ _____	_____
When	Cost	Completed

Checklist 17

FORM: CMP004
Revised February 2, 2000



Clean Marina Action Plan

Comments	Required Points	Total	Optional Points	Total
1. Approved Spill Contingency Plan prepared according to Rule 62N-16.001, F.A.C.	10			
2. Facility personnel reviews the spill contingency plan - annually	10			
3. Train facility personnel on the implementation of the spill contingency plan - annually			20	
4. Booming material measuring 5 times the length of the largest vessel that can enter the waters of your facility. <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization 	20			
5. Facility servicing vessels 10,000 gallons of diesel fuel or storage tanks capacity. Cleanup equipment as specified in Rule 62N-16.003, F.A.C. <ul style="list-style-type: none"> a. via ownership, or b. agreement neighboring marina having sufficient response equipment, or c. contract with an approved discharge cleanup organization 				
6. Facility has personnel adequately trained (i.e. 30 near OSHA First Responder) available on-site or via contract			10	
7. Fuel filter are drained of fuel which is recycled and fuel filter casing is recycled and disposed of appropriately by marina or contractor				
8. Recycle fuel filter casings as scrap metal				
9. Marina personnel are present when customers are fueling				
10. Have customers avoid fuel discharges to the water by not allowing dripping off				
11. Post signs for proper fueling				
12. In the event of a discharge, containment boom will be deployed within 1 hour of discovery				
Total	10	10	50	60

Background and underground storage tanks (AST/UST) are regulated by State Statutes Chapter 62-761, respectively, and are overseen by local county agencies. In addition to the State rules, the county agencies may have rules that are more stringent than the State's rules.

Revised February 2, 2000



Clean Marina Action Plan Analysis

Assessment of _____ (marina name) facility operations is reflected in the program criteria as scored below;

CATEGORY 1

	Required Needed	Required Total	Optional Available	Optional Total
Emergencies	20		40	
Hurricane	0		30	
Boat Cleaning	10		80	
Sensitive Habitats	0		50	
Solid Waste	10		110	
Sewage/Gray Water	0		120	
Stormwater Management	40		30	
Escaping	10		60	
TOTAL	Need 90 of 90 points		Minimum of 270 points of 520 available	

CATEGORY 2 - OPTIONAL SERVICES

If you provide the following services, you **must include** these into your *Self Assessment*. If you do not provide these services then ignore this section and do not include in your score.

	Required Needed	Required Total	Optional Available	Optional Total
Fueling	110		50	
Petroleum Control	140		20	
Storage Tanks	130		0	
Liquid Waste Storage	0		160	
Hazardous Waste	50 or 150*		60	
Painting	90		10	
Used Oil	50		0	
Engine Maintenance	140		20	
Mercury Lamps/Bilges	10		30	
Flares	10		20	
Used Batteries	30		10	
Used Antifreeze	20		10	
Fish Waste	0		60	
SUBTOTAL	Up to 860 points available		Minimum 60% for each service provided	

*If Small Quantity Generator

REQUIRED		OPTIONAL	
CATEGORY 1 [80 PTS.]		CATEGORY 1 [580 PTS.]	
CATEGORY 2 [Up to 800 PTS.]		CATEGORY 2 [Up to 430 PTS.]	
TOTAL		TOTAL	

Print Name of Owner/Dockmaster _____ Signature _____ Date _____

Designation and Recognition

- Certificate with Director's signature
- Right to use logo
- Flag to fly at facility
- Clean Boater guides
- Listing of marina/boatyard/retailer on our website
- Extra publicity and marketing





Clean Marina Certificate

CLEAN MARINA
CLEAN BOATYARD

Florida Clean Marina Program

*Florida Department of Environmental Protection &
the Clean Boating Partnership recognizes:*

**BLUEPOINTS MARINA
PORT CANAVERAL, FLORIDA**

*for its commitment to become a designated
Clean Marina & Clean Boatyard*

8-8-2009

Brad Stombock, Director / Sustainable Initiatives
Florida Department of Environmental Protection

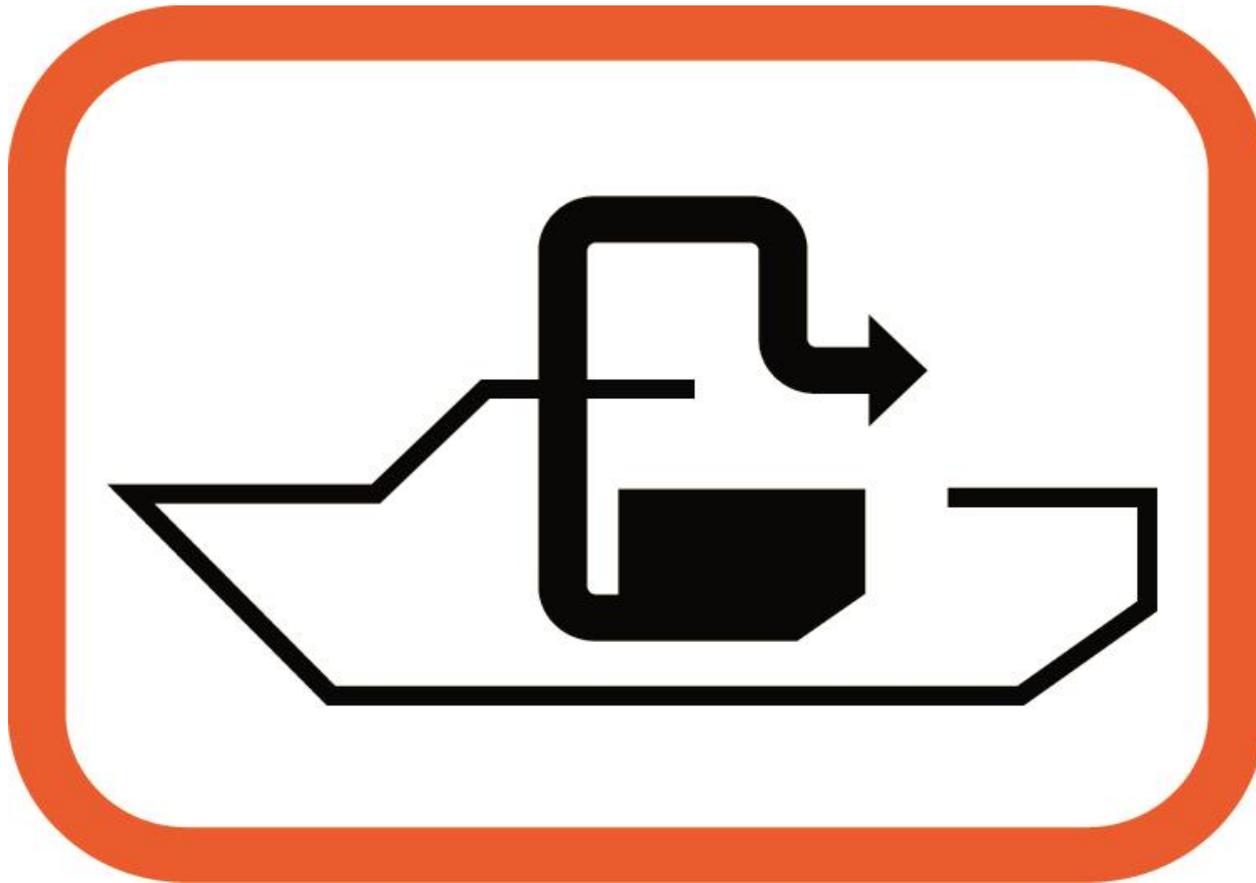
Date



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using 30% postconsumer waste.



Clean Vessel Act Program

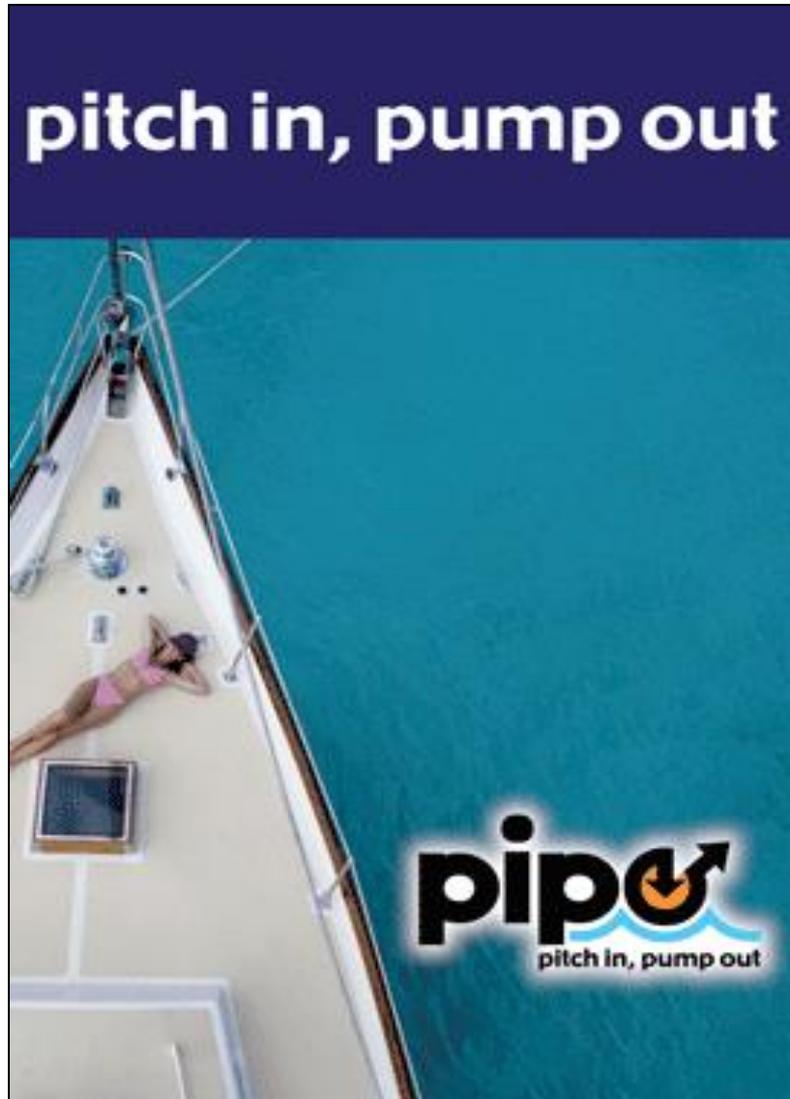




Florida Statute 327.53

- Established in 1994 as a result of the Federal Clean Water Act
- Prohibited the discharge of raw sewage within 9 nautical miles of the shore in the gulf and 3 nautical miles in the Atlantic
- Allowed the establishment of No Discharge Zones
 - Destin Harbor
 - City of Key West waters
 - Florida Keys National Marine Sanctuary

Pitch In, Pump Out



New awareness campaign
launched August 2010.



Clean Vessel Act Program

The Florida Clean Vessel Act (CVA) Program provides grant funding to marina owners and operators for boater pumpout facilities.

CVA grant funds can be obtained for the following pumpout related projects:

- Purchase and installation of equipment
- Maintenance and repair of equipment
- Operations and education

Grants will cover up to **75%** reimbursement of costs for these projects.



Clean Vessel Act (Funding)

- Funded through grants made possible by the US Fish and Wildlife Service and the Florida Inland Navigation District.
- US Fish and Wildlife provides the majority of funding for the CVA Program through their Sport Fish Restoration Program.
- Represents direct return of excise taxes from fishing tackle and fuels back to the boaters.



Clean Vessel Act Stats

- **450+** projects across the state
- **\$16 million** has been awarded over the life of the program
- **13,000,000+** gallons of sewage diverted



Grantee Qualifications

- Facility must be a registered business
- Pumpout services must be **open and available to the public** – includes private clubs and basins
- **25%** of the *approved* project costs must be provided by the grantee. **75%** will be reimbursed by the CVA grant.
- Report pumpout activity for **5 years** after the completion of the project.
- Free pumpouts are encouraged. No more than **\$5** is allowed to be charged.

Qualified Projects & Expenses

- Construction, Renovation and Installation
- Equipment Purchase (new or replacement)
 - Portable unit
 - Stationary unit
 - Pumpout Vessel
- Operations
- Maintenance & Repair
- Sewage Hauling
- Pumpout Signage
- Education & Outreach



Pumpout Examples





Application Process

1. Complete the CVA Pumpout Grant Application
<http://www.dep.state.fl.us/cleanmarina/CVA/>
2. Gather quotes for any equipment purchase or service over \$2,500
3. Register as a vendor through My Florida Market Place
4. Gather necessary forms and permits
5. Approve and execute grant agreement

NO WORK CAN BE COMPLETED BEFORE AN AGREEMENT IS IN PLACE. COSTS INCURRED BEFORE AGREEMENT EXECUTION WILL NOT BE COVERED OR REMIBURSED.



Monroe County Grant Awards

- 2007 through 2013: 32 grant applications
 - 23 - Completed
 - 8 – Application Received / In Process
 - 1 – Closed / Withdrawn
- Pumpout Grants (75% Award): ~\$2,100 to \$540,000
 - 29 grants less than \$100K (6 were vessel related – Pumpout Vessels)
 - 3 grants ranged from \$225K up to ~\$540K
 - City of Marathon – sewage hauling (\$225K)
 - Monroe County – Pumpout services in anchorage areas (~\$540K)
 - One private marina ~\$350,000



CVA – Monroe County / DEP

- County / DEP CVA Contract with PumpOut USA
 - Joint Project to provide PumpOut services to pilot managed areas (**Managed Anchoring Zones**) identified by FWC.
 - **DEP** via CVA grant provides **main funding** source and contracts with PumpOut USA
 - **Monroe County** provides **required matching funds** and contracts with PumpOut USA
 - Contracts each refer to the other, Monroe County coordinates the project.
 - Monroe County yearly costs est: \$330K with an annual program cost range of \$700k to \$800K.



CVA – Monroe County / DEP

- Rich Jones:
 - Monroe County has had continuous grants with CVA over about the past eight years - (internally) running a mobile pumpout program in Key Largo.
 - Monroe County privatized the pumpout service in February 2013.
 - “This is the only program of its kind (that we are aware of) in which there are county-wide pumpouts provided by a mobile pumpout vessel.”



CVA – Monroe County / DEP

- PumpOut USA – website information

FREE PUMPOUT SERVICE REGISTRATION

Beginning March 1, 2013, PumpOut USA will provide **mobile vessel pumpout service to recreational vessels located throughout areas of unincorporated Monroe County within the Florida Keys.** The pumpout service is provided to reduce or eliminate environmental impacts associated with the illegal discharge of sewage from vessels, and further enable compliance with regulations of the federal No Discharge Zone and Anchoring and Mooring Restricted Areas in Monroe County.

- <http://www.po-keys.com/service.html>



CVA – Monroe County / DEP

- County / DEP CVA Contract with PumpOut USA

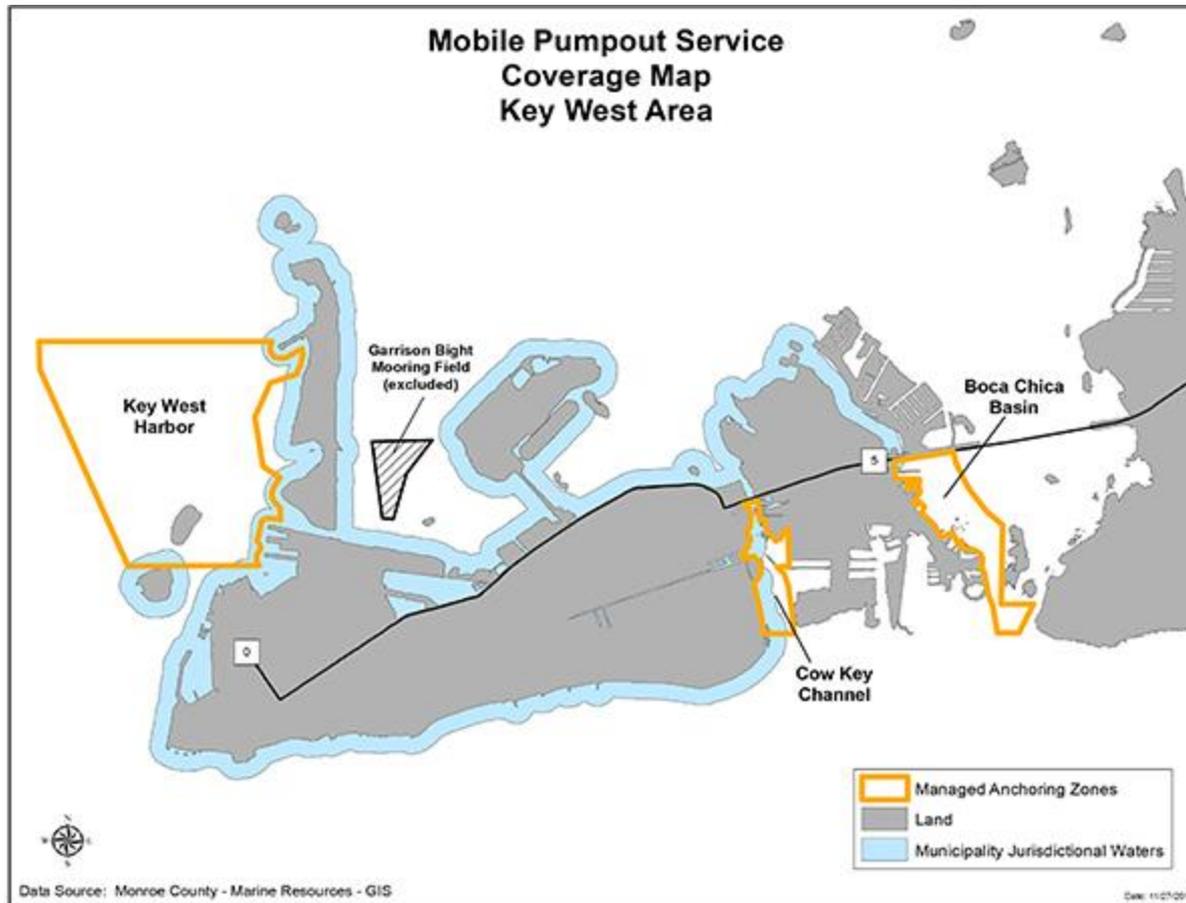
FAQ / Procedures (From PumpOut USA Website)

The pumpout service, provided at **no charge** to all recreational vessels in the unincorporated waters of Monroe County within the Florida Keys, will be provided to anchor-out vessels.

Pump Out USA will also provide service to vessels at marinas (with priority given to marinas without pumpout facilities.) **The first priority of each pumpout vessel will be servicing anchored vessels located in established Managed Anchoring Zones.** See Service maps for the MAZ's.

CVA – Monroe County / DEP

- PumpOut USA Website Managed Anchoring Zones





Outreach Events

CLEAN BOATER PLEDGE

As a participating member of the Florida *Clean Boater* Program, I pledge to do my part in keeping Florida's waterways clean by following the guidelines set forth in the Clean Boating Habits booklet. I will identify opportunities and implement practices to prevent pollution associated with my boating activities such as: fueling, cleaning and washing, sewage handling and maintenance. I will further ensure that all passengers aboard my vessel follow the guidelines and maintain a clean boating environment.

As a *Clean Boater* I Pledge To:

- Recycle and keep Florida's waterways free of trash.
- Practice proper fueling techniques.
- Use pumpout facilities.
- Support Florida *Clean Marinas*, *Clean Boatyards* and *Clean Marine Retailers* whenever possible.
- Promote clean boating habits and the *Clean Boater* program to fellow boaters.
- Remember that a clean environment ALWAYS starts with ME.

Name _____

City _____

Signature _____ Date _____

Event Attended _____

www.dep.state.fl.us/cleanmarina



Over 26,000 signed

Program Contacts

The background of the slide features two flags flying against a clear blue sky. On the left, the top portion of the United States flag is visible, showing the stars and stripes. To its right and slightly lower is a blue flag with green wavy patterns at the bottom. The blue flag features a white silhouette of a bird, possibly a pelican, and the words "CLEAN MARINA" in white capital letters.

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Florida Clean Marina Program

Questions?

(Afterwards)

Florida Clean Marina Program

<http://www.dep.state.fl.us/cleanmarina/>

Florida Clean Vessel Program

<http://www.dep.state.fl.us/cleanmarina/CVA/>