25-0933-ITB - 2025 Pinellas County Dune Planting Services

Quantities & Cost Estimate - One Year

Attachment A - Pricing Proposal

* All plants are sourced from Charlotte County, Florida

SAND KEY PID 00151	6A			NE 4					
Common Name	Percentage	Scientific Name	Size	Est. Qty per Acre	No. Acres	Est. Qty per Acre x No. Acres	Installed Unit	Total cost	
Sea oats	50.00%	Uniola paniculata	1-Inch	16,335	15.5	253192.50	\$1.20	\$303,831.0	
anicgrass	20.00%	Panicum amarum	1-Inch	6,534	15.5	101277.00	\$1.20	\$121,532.4	
ailroad vine	15.00%	Ipomoea per-caprae	1-Inch	4,901	15.5	75957.75	\$1.20	\$91,149.	
eashore dropseed	15.00%	Sporobolus virginicus	1-Inch	4,901	15.5	75957.75	\$1.20	\$91,149.	
•		1.	"			SUBTO	TAL PLANT COST	\$607,662.	
						TOTA	L COST PER ACRE	\$39,204.0	
			ZOI	NE 2					
Common Name	Percentage	Scientific Name	Size	Est. Qty per Acre	No. Acres	Est. Qty per Acre x No. Acres	Installed Unit Price	Total cost	
ea oats	35.00%	Uniola paniculata	1-Inch	11,435	15.5	177234.75	\$1.20	\$212,681.	
anicgrass	25.00%	Panicum amarum	1-Inch	8,168	15.5	126596.25 \$1.20		\$151,915.5	
Diversity Species	40.00%	See scope	1-Inch	13,068	15.5	202554	\$1.20	\$243,064.8	
	I						SUBTOTAL COST	\$607,662.0	
							L COST PER ACRE	\$39,204.0	
						AND KEY TOTAL COS		\$1,215,324.0	
			UNSPECIFIED WO	RK PID 001516/	A IS 10% OF S	ANDKEY TOTAL COS	T - ZONE 1 AND 2	\$121,532.4	
REASURE ISLAND PI	D 002574A		701	NE 1					
Common	Percentage	Scientific Name	Size	Est. Qty per	No. Acres	Est. Qty per Acre x	Installed Unit	Total cost	
Name Sea oats	50.00%	Uniola paniculata	1-Inch	Acre 16,335	5.05	No. Acres 82491.75	Price \$1.20	\$98,990.	
Panicgrass	20.00%	Panicum amarum	1-Inch	6,534	5.05	32996.7	\$1.20	\$39,596.0	
Railroad vine	15.00%	Ipomoea per-caprae	1-Inch	4,901	5.05	24747.525	\$1.20	\$29,697.0	
Seashore dropseed	15.00%	Sporobolus virginicus	1-Inch	4,901	5.05	24747.525	\$1.20	\$29,697.0	
							L COST PER ACRE	\$197,980.2 \$39,204.0	
			701	NE 2		IOIA	L COST PER ACRE	\$59,204. 0	
Common	Percentage	Scientific Name	Size	Est. Qty per	No. Acres	Est. Qty per Acre x	Installed Unit	Total cost	
Name				Acre		No. Acres	Price		
Sea oats	35.00%	Uniola paniculata	1-Inch	11,435	5.05	57744.225	\$1.20	\$69,293.0	
Panicgrass	25.00%	Panicum amarum	1-Inch	8,168	5.05	41245.875 \$1.20		\$49,495.0	
Diversity Species	40.00%	See scope	1-Inch	13,068	5.05	65993.4	\$1.20	\$79,192.0	
							SUBTOTAL COST	\$197,980.2	
							L COST PER ACRE	\$39,204.0	
						ISLAND TOTAL COS		\$395,960.4	
PASS-A-GRILLE PID 0	02573A	UNSPECI	FIED WORK PID 00	02574A IS 10% (OF TREASUR	E ISLAND TOTAL COS	T - ZONE 1 AND 2	\$39,596.0	
			ZOI	NE 1			_		
Common Name	Percentage	Scientific Name	Size	Est. Qty per Acre	No. Acres	Est. Qty per Acre x No. Acres	Installed Unit Price	Total cost	
ea oats	50.00%	Uniola paniculata	1-Inch	16,335	4	65340	\$1.20	\$78,408.0	
Panicgrass	20.00%	Panicum amarum	1-Inch	6,534	4	26136	\$1.20	\$31,363.2	
tailroad vine	15.00%	Ipomoea per-caprae	1-Inch	4,901	4	19602	\$1.20	\$23,522.4	
eashore dropseed	15.00%	Sporobolus virginicus	1-Inch	4,901	4	19602	\$1.20	\$23,522.4	
·		<u> </u>	•			SUBTO	TAL PLANT COST	\$156,816.0	
						SUBTOTA	L COST PER ACRE	\$39,204.	
		0	1	NE 2		Is. 0			
Common Name	Percentage	Scientific Name	Size	Est. Qty per Acre	No. Acres	Est. Qty per Acre x No. Acres	Installed Unit Price	Total cost	
ea oats	35.00%	Uniola paniculata	1-Inch	11,435	2.9			\$39,792.	
Panicgrass	25.00%	Panicum amarum	1-Inch	8,168	2.9	33160.05 \$1.20 23685.75 \$1.20		\$39,792.00	
Diversity Species	40.00%	See scope	1-Inch	13,068	2.9	37897.2	\$1.20	\$45,476.	
viversity openes	-5.00/0	эсс эсорс	1-111011	13,000	۷.3	37037.2	SUBTOTAL COST	\$113,691.	
						SURTOTA	L COST PER ACRE	\$39,204.	
					PASS-	A-GRILLE TOTAL COS		\$270,507	
		UNSP	ECIFIED WORK PI	D 002573A IS 1	0% OF PASS-	A-GRILLE TOTAL COS	T - ZONE 1 AND 2	\$27,050	

Form W-9 (Rev. March 2024) Department of the Treasury Internal Revenue Service

Request for Taxpayer Identification Number and Certification

Go to www.irs.gov/FormW9 for instructions and the latest information.

Description bolow

Give form to the requester. Do not send to the IRS.

Befor	e yo	bu begin. For guidance related to the purpose of Form w-9, see Purpose of Form, below	v.		n line	1 and	onte	r the	nueine	ee/die	rega	rded	
	1	Name of entity/individual. An entry is required. (For a sole proprietor or disregarded entity, enter the entity's name on line 2.)	owners	name o	n ine	i, anu	ente	; (110	Jusine	33/01	nega		
Print or type. See Specific Instructions on page 3.	EarthBalance Corporation												
	2	Business name/disregarded entity name, if different from above.	garded entity name, if different from above.										
	3a Check the appropriate box for federal tax classification of the entity/individual whose name is entered on line 1. Check only one of the following seven boxes. ☐ Individual/sole proprietor ☐ C corporation ☑ S corporation ☐ Partnership ☐ Trust/estate ☐ LLC. Enter the tax classification (C = C corporation, S = S corporation, P = Partnership)						Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any)						
	Note: Check the "LLC" box above and, in the entry space, enter the appropriate code (C, S, or P) for the tax classification of the LLC, unless it is a disregarded entity. A disregarded entity should instead check the appropriate box for the tax classification of its owner.						Exemption from Foreign Account Tax Compliance Act (FATCA) reporting code (if any)						
	Other (see instructions)							-					
	3b If on line 3a you checked "Partnership" or "Trust/estate," or checked "LLC" and entered "P" as its tax classification and you are providing this form to a partnership, trust, or estate in which you have an ownership interest, checked this box if you have any foreign partners, owners, or beneficiaries. See instructions					outside the United States.)							
8	5	Address (number, street, and apt. or suite no.). See instructions.	Requ	ester's	ster's name and address (optional)								
S		2570 Commerce Parkway											
		6 City, state, and ZIP code											
	1	1											
	North Port, FL 34289 7 List account number(s) here (optional)												
Pa	a	Taxpayer Identification Number (TIN)											
		ir TIN in the appropriate box. The TIN provided must match the name given on line 1 to	avoid	So	cial s	ecurity	nun	nber		_	_	_	
hack	10.14	withholding. For individuals, this is generally your social security number (SSN). However, alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other	r, for a			-			-				
entities, it is your employer identification number (EIN). If you do not have a number, see How to get a													
TIN, later.						Employer identification number							
Note Num	: If t	he account is in more than one name, see the instructions for line 1. See also What Nar To Give the Requester for guidelines on whose number to enter.	ne and	5	9	- 2	6	1	2	2	0 8	В	
Pa	t II	Certification											
		enalties of perjury, I certify that:											
4 Th	^ n	mbor shown on this form is my correct taxpaver identification number (or I am waiting	or a nun	nber to	be i	ssued	to r	ne); a	nd				
2. l a Se no	m n rvic Ion	ot subject to backup withholding because (a) I am exempt from backup withholding, or e (IRS) that I am subject to backup withholding as a result of a failure to report all intere ger subject to backup withholding; and	(b) I have	e not b	oeen	notifie	a b)	tne i	ntern	al Re d me	venu that	ie I am	
3. la	m a	U.S. citizen or other U.S. person (defined below); and											
4. Th	e FA	ATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA repo	rting is c	correct									
beca	use	tion instructions. You must cross out item 2 above if you have been notified by the IRS the you have failed to report all interest and dividends on your tax return. For real estate transform or abandonment of secured property, cancellation of debt, contributions to an individual in interest and dividends, you are not required to sign the certification, but you must provide	ctions, it retireme	.em∠c ent arra	inaen	not ap nent (IF	ριу. ₹А),	and,	gener	ally, p	aym	IGI IG	
Sig Her	1	Signature of U.S. person U.S. person	Date					_					
Ge	ne	eral Instructions New line 3b have required to compare the second partners.	lete this	line to	indi	cate th	nat if	has	direct	or ir	idire	ct	

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

What's New

Line 3a has been modified to clarify how a disregarded entity completes this line. An LLC that is a disregarded entity should check the appropriate box for the tax classification of its owner. Otherwise, it should check the "LLC" box and enter its appropriate tax classification.

New line 3b has been added to this form. A flow-through entity is required to complete this line to indicate that it has direct or indirect foreign partners, owners, or beneficiaries when it provides the Form W-9 to another flow-through entity in which it has an ownership interest. This change is intended to provide a flow-through entity with information regarding the status of its indirect foreign partners, owners, or beneficiaries, so that it can satisfy any applicable reporting requirements. For example, a partnership that has any indirect foreign partners may be required to complete Schedules K-2 and K-3. See the Partnership Instructions for Schedules K-2 and K-3 (Form 1065).

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS is giving you this form because they

COMMON CARRIER ATTESTATION

In accordance with section 908.111, Florida Statutes, the undersigned, on behalf
of (the "Contractor"), attests and agrees they are in conformity
with Florida Statute § 92.525 and is not willfully providing and will not willfully provide any service
during the contract term in furtherance of transporting a person into this state knowing that the
person is an unauthorized alien, except to facilitate the detention, removal, or departure of the person
from this state or the United States.
For purposes of this Attestation, the Contractor is a "Common carrier" if it is a person, firm, or corporation that undertakes for hire, as a regular business, to transport persons or commodities from place to place, offering his or her services to all such as may choose to employ the common carrier and pay his or her charges.
The undersigned must be an authorized representative of the Contractor who can execute this Attestation on the Contractor's behalf.
Under penalties of perjury, I, declare that I have read the foregoing Common Carrier Attestation and that the facts stated in it are true.
Signature: Cristins Borowski
Print Name:
Date:
Federal Work Authorization User Identification No.:
Name of Pinellas County Contract and Contract No.:

COMMON CARRIER TERMINATION

The County reserves the right to terminate the associated agreement, for cause, if the Contractor is found in violation of its attestation above.

HUMAN TRAFFICKING AFFIDAVIT

In accordance with section 787.06 (13), Florida Statutes, the undersigned, on behalf of EarthBalance Corporation (the "Contractor"), hereby attests that the Contractor does not
use coercion for labor or services as defined in Section 787.06, Florida Statutes.
The undersigned must be an authorized representative of the Contractor who can execute this affidavit on the Contractor's behalf.
Under penalties of perjury, I Cristine Borowski , declare that I have read the foregoing affidavit and that the facts stated in it are true.
Signature: Cristina Borowski
Print Name: Cristine Borowski
Date: 11.5.2025
Federal Work Authorization User Identification No.: 59-2612208
Name of Pinellas County Contract and Contract No.: 25-0933-ITB
STATE OF FLORIDA COUNTY OF Sarasota
The foregoing instrument was acknowledged before me by means of 1) physical presence or 2) online notarization this 11.5.2025 (date) by
Cristine Borowski, VP of Business Mgmt Of EarthBalance Corporation a corporation on behalf of the corporation
eorporation, on behan of the corporation.
He/she is personally known to me or has produced N/A as identification.
[Notary Seal] BECKY ADAMS Notary Public State of Florida Comm# HH589377 Expires 12/26/2028
Notary Public: Bolled dams
Name typed, printed, or stamped: Becky Adams
My Commission Expires: 12 216 2028

VENDOR SUBMITTAL ACKNOWLEDGEMENT FORM

It is the policy of Pinellas County, Board of County Commissioners, to accept the lowest responsive and responsible or highest ranked submittal received meeting specifications. No changes requested by a vendor due to an error in pricing will be considered after the advertised solicitation opening date. By signing this Vendor Submittal Acknowledgment Form, vendors are attesting to their awareness and acceptance of this policy and agreeing to all solicitation of terms and conditions, including any insurance requirements.

Vendor Name (as shown on W-9):	
Doing Business As (DBA) (if applicable):	
Mailing Address (as shown on W-9):	
City, State, Zip (as shown on W-9):	
Vendor Email (primary company email):	
Remit to address (as shown on vendor invoice):	
Federal Tax ID (FEIN) #:	
SAM.gov UEID No.:	
Dun & Bradstreet D-U-N-S® UEID No. (if applicable):	
Vendor Contact Information	
Contact Name:	
Phone Number:	
Email Address:	
Payment Terms: Net 45 (per Florida Statute F.S. 218.73) % Days	
Deposit (if required) has been paid in the amount of \$	
Proper Corporate Identity is needed for a firm registered with the Florida Division of Corporations. Place dos.myflorida.com/sunbiz/ for this information. It is essential to return a copy of your W-9 with your states.	
I hereby agree to abide by all terms and conditions of this solicitation, including all insurance requir certify that I am authorized to sign this solicitation for the vendor.	ements, and
Authorized Signature: Cristins Borowski	
Print Name:	
Title:	

From: <u>Tanya Lukowiak</u>
To: <u>Just, James</u>

Cc: <u>Chrissy Hensel</u>; <u>Royster, Thomas</u>

Subject: RE: 2025 PINELLAS COUNTY DUNE PLANTING SERVICES - Clarification request - WITH ATTACHMENTS!

Date: Friday, November 7, 2025 5:00:15 PM

Attachments: image001.pnq

image002.png Collier.pdf Dauphin Island.pdf Myrtle.pdf Tybee Island 2020.pdf

This Message Is From an External Sender

This message came from outside your organization.

Report Suspicious

Jim – So sorry – trying to get this back to you before 5, I failed to add the attachments!

Have a great weekend.

Good afternoon, Jim,

Thank you for providing us the opportunity to provide this additional information. clarification. Please let us know if you have any questions.

1. Confirm that you can complete the project within 2 months of award (Est. Dec 16, 2025, award).

Confirmed – we can complete the project within 2 months of the award but it will take a significant effort on our part to do it. 3 months is preferred; however we can do it in 2 months if required.

- 2. Provide (preferably 2-3) relevant projects of similar size and scope that your subcontractor has completed in the past?
 - a. Please provide referenced contact (Name, phone, email)

The following projects are self-performed by Earthbalance Corporation: -Collier County Dune Restoration Planting, Collier County Government, Larry Humphries, (239) 252-4245, <u>Larry.Humphries@colliercountyfl.gov</u>

- Dauphin Island East End Beach Restoration, Town of Dauphin Island, Ricky Audibert, (985) 237-9677, rjaudibert@weeksmarine.com
- Myrtle Beach Sand Fencing and Planting, City of Myrtle Beach, JC

Blackhurts, (843) 918-2390, jblackhurst@cityofmyrtlebeach.com - Dune Vegetation and Landscape, City of Tybee Island, Alan Robertson, (847) 525-5040, arobertson@cityoftybee.org

- 3. Where do you plan to source your dune vegetation? All material has been sourced from our collection site on Palm Island in Charlotte County, FL. Most of this material is already growing in our greenhouses in Arcadia, FL.
 - 4. Describe your methodologies and plan to deliver the plants to the site and plant them.

All plant units will be in conformance with the specifications. Plants will be delivered to the project site in their original trays to ensure good plant condition and prevent desiccation. The experienced EarthBalance[®] planting crew supervisor will verify the plant condition meets the specifications required for the project.

Planting units will be installed utilizing a rotary auger on a portable gasoline-powered drill. An approximately 2-inch diameter by 10-inch-deep hole will be drilled for each planting unit. EarthBalance[®] has found this installation method to be very efficient and results in much more uniform spacing than hand-digging techniques. In addition, the planting depth can be controlled utilizing a stop on the auger bit. This method results in very minimal sand fracture, which better preserves ambient soil moisture.

5. Do you or your subcontracts have previous experience planting dunes with the vegetation listed?

Yes – please see attached.

6. Provide a list of their current commitments that might conflict with finishing the planting on time.

We currently do not have other beach planting projects under contract that would conflict with our ability to finish the planting on time.

7. Do you understand that the sea oats will need to be transported from drive on accesses up the beach and will not have access through the individual properties?

Yes – We typically use a UTV with a single-axle trailer to transport crew, equipment, and plants onto the beach. If the sand is too soft to support the UTV, we will utilize a tracked skid-steer instead of the UTV. Due to the size of this project and time constraints, multiple UTVs or skid-steer may be required to transport large quantities.



Tanya Lukowiak

Business Development Coordinator tlukowiak@earthbalance.com

2570 Commerce Pkwy, North Port, FL, 34289 (941) 426-7878

EarthBalance.com Facebook Instagram LinkedIn

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From: Just, James < jjust@pinellas.gov>
Sent: Friday, November 7, 2025 4:13 PM

To: Tanya Lukowiak <<u>tlukowiak@earthbalance.com</u>>

Cc: Chrissy Hensel <<u>chensel@earthbalance.com</u>>; Royster, Thomas <<u>TRoyster@pinellas.gov</u>>

Subject: 2025 PINELLAS COUNTY DUNE PLANTING SERVICES - Clarification request

Good afternoon Tanya,

Thank you for your bid submittal for the above referenced Invitation to Bid.

Please provide clarification to the following:

- 1. Confirm that you can complete the project within 2 months of award (Est. Dec 16, 2025, award).
- 2. Provide (preferably 2-3) relevant projects of similar size and scope that your subcontractor has completed in the past?
 - a. Please provide referenced contact (Name, phone, email)
- 3. Where do you plan to source your dune vegetation?

- 4. Describe your methodologies and plan to deliver the plants to the site and plant them.
- 5. Do you or your subcontracts have previous experience planting dunes with the vegetation listed?
- 6. Provide a list of their current commitments that might conflict with finishing the planting on time.
- 7. Do you understand that the sea oats will need to be transported from drive on accesses up the beach and will not have access through the individual properties?

Please provide a response by 10 AM, November 8, 2025.

Jim Just, CPPB

Manager of Purchasing Operations
Department of Administrative Services
Purchasing and Risk Management Division
400 S. Ft. Harrison Ave 6th FL.
Clearwater, FL 33756
Direct (727) 464-3205
Main (727) 464-3311
Fax (727) 464-3925
jjust@pinellas.gov

Subscribe now to submit proposals and view projects in Pinellas County!



For information on how to do business with Pinellas County, please

visit http://www.pinellascounty.org/purchase/information.htm

From: Tanya Lukowiak <<u>tlukowiak@earthbalance.com</u>>

Sent: Friday, November 7, 2025 2:09 PM

To: Royster, Thomas < <u>TRoyster@pinellas.gov</u>>

Cc: Chrissy Hensel <<u>chensel@earthbalance.com</u>>; Royster, Thomas <<u>TRoyster@pinellas.gov</u>>; Just,

James <jjust@pinellas.gov>

Subject: Re: Bid Tabs - 2025 PINELLAS COUNTY DUNE PLANTING SERVICES

Thank you!

Have a great weekend.



Tanya Lukowiak

Business Development Coordinator tlukowiak@earthbalance.com

2570 Commerce Pkwy, North Port, FL, 34289 (941) 426-7878

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From: Royster, Thomas < TRoyster@pinellas.gov> **Sent:** Friday, November 7, 2025 2:08:05 PM

To: Tanya Lukowiak < <u>tlukowiak@earthbalance.com</u>>

Cc: Chrissy Hensel < chensel@earthbalance.com>; Royster, Thomas < TRoyster@pinellas.gov>; Just,

James <jjust@pinellas.gov>

Subject: RE: Bid Tabs - 2025 PINELLAS COUNTY DUNE PLANTING SERVICES

This solicitation is in process and when the bid tabulation is completed it will be posted on OpenGov.

Thank you,

Tom Royster

Procurement Analyst Coordinator

Department of Administrative Services

Purchasing and Risk Management Division

Pinellas County Government 400 S. Ft. Harrison Ave. Clearwater, FL 33756 727.464.4246 TRoyster@pinellas.gov

All government correspondence is subject to the public records law.

Subscribe now to submit proposals and view projects in Pinellas County!





For information on how to do business with Pinellas County, please visit http://www.pinellascounty.org/purchase/information.htm

From: Tanya Lukowiak <<u>tlukowiak@earthbalance.com</u>>

Sent: Friday, November 7, 2025 2:06 PM

To: Royster, Thomas < TRoyster@pinellas.gov> **Cc:** Chrissy Hensel < chensel@earthbalance.com>

Subject: Bid Tabs - 2025 PINELLAS COUNTY DUNE PLANTING SERVICES

Good afternoon,

Are you able to provide the bid tabulations or abstract of submissions for the above referenced project?

Thanks for your time,



Tanya Lukowiak

Business Development Coordinator tlukowiak@earthbalance.com

2570 Commerce Pkwy, North Port, FL, 34289 (941) 426-7878

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Collier County Dune Restoration Planting - 2024

Project Location: Collier County, Florida **Project Owner:** Collier County Government

Project Contact: Larry Humphries, Project Manager II 2685 South Horseshoe Dr., Suite 103

Naples, FL 34104 (239) 252-4245

Larry.Humphries@colliercountyfl.gov

EarthBalance Position: Prime

Project Manager: James Barron **Contract Amount:** \$1,284,920.45

Contract Dates: November, 2024 - July, 2025

Project Description

EarthBalance® was contracted to supply, deliver, and install approximately 939,899 native dune plants, including sea oats (*Uniola paniculata*), panicgrass (*Panicum amarum*), sea purslane (*Sesuvium portulacastrum*), and a mix of other dune species, along with 544 "Keep Off Dunes" signs within two coastal zones in Collier County, Florida. The scope also included one-time removal and treatment of invasive species such as beach naupaka (*Scaevola taccada*), Australian pine (*Casuarina equisetifolia*), beach vitex (*Vitex rotundifolia*), and other exotics. Woody invasives were manually cut, removed from the site, and treated with herbicide on stumps, while herbaceous species were treated in place with herbicide in accordance with regulatory and ecological best practices.







Dauphin Island East End Beach Restoration

Project Location:Mobile County, AlabamaProject Owner:Town of Dauphin Island

Project Contact: Ricky Audibert, Project Manager

304 Gaille Drive

Covington, LA 70433 US

(985) 237-9677

rjaudibert@weeksmarine.com

EarthBalance Position: Sub-Contractor Project Manager: James Barron **Contract Amount:** \$923,034.05

Contract Dates: March, 2024 - September, 2024

Project Description

EarthBalance® supplied, delivered, and installed approximately 691,000 native dune plants and 12,400 linear feet of beach sand fencing along the East End Beach of Dauphin Island, located in Mobile County, Alabama. Installed species included sea oats (*Uniola paniculata*), panicgrass (*Panicum amarum*), saltmeadow cordgrass (*Spartina patens*), beach morning glory (*Ipomoea imperati/Ipomoea pes-caprae*), gulf bluestem (*Schizachyrium littorale*), and seashore butterfly weed (*Asclepias tuberosa*). Vegetation was installed in a checkerboard pattern at eighteen-inch (18") spacing and at a depth of 10–12 inches. Sand fencing was installed in two configurations: segmented fencing spaced at ten-foot (10') intervals oriented at a 45-degree azimuth from north, and continuous fencing installed side by side.



Myrtle Beach Sand Fencing and Planting

Project Location: Horry County, South Carolina **Project Owner:** City of Myrtle Beach, SC

Project Contact: JC Blackhurts, Parks Superintendent

3231 10th Avenue Ext N. Myrtle Beach, SC 29577 US

(843) 918-2390

jblackhurst@cityofmyrtlebeach.com

EarthBalance Position: Prime

Project Manager: James Barron **Contract Amount:** \$703,221.92

Contract Dates: April, 2023 - May, 2023

Project Description

EarthBalance® provided all labor and materials necessary to install approximately 48,125 linear feet of sand fencing, comprising about 2,410 panels, along Myrtle Beach in Horry County, South Carolina. In addition, EarthBalance® installed native dune vegetation within the fenced areas, with plants spaced two feet apart and staggered with an eighteen-inch offset between rows. A total of 96,248 sea oats (*Uniola paniculata*) and 72,186 panicgrass (*Panicum amarum*), both in 98cc containers, were installed to support dune stabilization and restoration.



Dune Vegetation and Landscaping

Project Location: Chatham County, Georgia **Project Owner:** City of Tybee Island

Project Contact: Alan Robertson, Project Manager

P.O. Box 2749

Tybee island, GA 31328

(847) 525-5040

arobertson@cityoftybee.org

EarthBalance Position: Prime

Project Manager: James Barron Contract Amount: \$135,893.85 Contract Dates: January, 2020

Project Description

EarthBalance® was contracted to supply, deliver, and install various native salt and drought tolerant grasses, plants, and sea oats for approximately 154,770 square feet of beach dunes for the City of Tybee Dune Vegetation and Landscaping project in Chatham County, Georgia. A total of 92,087 plants were installed on five specified dune sections, from the Pier at Tybrisa Street, south to the 19th Street vehicular beach access. Planted species were beach elder (*Iva imbricata*), beach morning glory (*Ipomea imperati*), muhly grass (*Muhlenbergia capallaris*), saltmeadow cordgrass (Spartina patens), sea oats (*Uniola paniculata*), panicgrass (*Panicum amarum*) and switch grass (*Panicum virgatum*). Plant sizes ranged from 2-Inch to 1-Gallon.

This project was awarded one of the American Shore and Beach Preservation Association Best Restored Beaches for 2020. They write "The Tybee Island Beach and Dune Restoration Project, Tybee Island, Georgia, increased their resiliency to flooding events while enhancing the natural habitat, including federally protected sea turtle nesting sites and endangered bird species, that is so vital to the environmental and economic health of the city. It is the first time the City built dunes as an integral resiliency feature augmenting a federal beach nourishment."









Brevard Sea Oat and Dune Plant Installation

Project Location: Brevard County, Florida Brevard County Government

Project Contact: Mike McGarry

2725 Judge Fran Jamieson Way, Building C, Suite 303

Viera, FL 32940 (321) 537-1779

Mike.McGarry@brevardfl.gov

EarthBalance Position: Prime

Project Manager: Christina Hensel **Contract Amount:** \$1,125,040.00

Contract Dates: January, 2025 - January, 2026

Project Description

EarthBalance® provided the labor and materials necessary to supply, deliver and install 1,148,000 native dune plants on newly placed sand in the South Beaches and Mid Read region of Brevard County, Florida. Plants were installed in the following proportions: 80% sea oats (*Uniola paniculata*), 10% panic grass (*Panicum amarum*) and 10% beach elder (*Iva inbricata*). In the South Beaches region, an approximately 12-24-foot-wide band was planted along approximately 13 miles of the South Beaches shoreline. The South Beaches included approximately 733,000 plants. In the Mid Reach region, an approximately 10-20-foot-wide band was planted along approximately 7.8 miles of the Mid Reach shoreline. Mid Reach included approximately 415,000 plants.



Gulf Shores/Orange Beach/Gulf State Park Engineered Beach Renourishment Project

Project Location: Various, Alabama

Project Owner: City of Orange Beach, AL DCNR, and the City of Gulf Shores

Project Contact: Rachael L Violassi, Quality Systems Engineer Great Lakes Dredge & Dock Company, LLC

9811 Katy Freeway, Suite 1200, Houston, TX 77024

(517) 449-6611

RLViolassi@gldd.com

EarthBalance Position: Sub-Contractor **Project Manager:** Christina Hensel **Contract Amount:** \$1,130,305.00

Contract Dates: February, 2024 - May, 2024

Project Description

EarthBalance® was contracted to furnish labor, materials, and equipment necessary for the supply, delivery, and installation of native plant species across five (5) discontinuous shoreline segments, extending from Gulf Shores, Alabama, eastward to Perdido Key, Alabama. This work encompassed approximately 81,000 linear feet of Gulf-front shoreline within Baldwin County, Alabama. The dune vegetation installed consisted of a combination of one-inch (1") grasses and two-inch (2") containerized diversity species; sea oats (Uniola paniculata), panicgrass (Panicum amarum), beach elder (Iva imbricata), sea purslane (Sesuvium portulacastrum), dune sunflower (Helianthus debilis), beach morning glory (Ipomoea imperati), railroad vine (Ipomoea pes-caprae), blanket flower (Gaillardia aristata), and seaside goldenrod (Solidago sempervirens). A total of 958,800 plants were installed on 16-inch centers at a planting depth of eight inches (8") in a continuous progression, utilizing handoperated rotary augers for soil penetration. A mixture of fertilizer and pre-hydrated water gel (Scott's Osmocote Classic 18-6-12 and Stockosorb Hydrogel) was used in each planting hole. Plant transport from the staging area to the planting sites was facilitated by utility task vehicles (UTVs). The source for all sea oat units delivered to the site was from seed collected from the Gulf Coast of Florida in Bay County at Tyndall Air Force Base. Plants were propagated at the EarthBalance® Native Nursery in DeSoto County, Florida. Additionally, EarthBalance® supplied, delivered, and installed 12,300 linear feet of sand fencing to support dune stabilization efforts.



Sea oats (Uniola paniculata)



Dune sunflower (*Helianthus debilis*)



Beach elder (Iva imbricata)



Railroad vine (*Ipomoea pes-caprae*)

Brevard Sea Oat and Dune Plant Installation

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Project Contact: Mike McGarry

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Viera, FL 32940 (321) 537-1779

Mike.McGarry@brevardfl.gov

EarthBalance Position: Prime

Project Manager: Christina Hensel **Contract Amount:** \$1,125,040.00

Contract Dates: January, 2025 - January, 2026

Project Description

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