



**USF Board of Trustees
Governance Committee**

Monday, November 21, 2022
Microsoft Teams Meeting

Trustees: Will Weatherford, Chair; Sandra Callahan, Michael Carrere, Mike Griffin, Melissa Seixas

A G E N D A

- | | | |
|------|--|--|
| I. | Call to Order and Welcome | Chair Will Weatherford |
| II. | Public Comments Subject to USF Procedure | |
| III. | New Business – Action Items | |
| | <ul style="list-style-type: none">• FL 101 – Approval of Minutes<ul style="list-style-type: none">a) <i>August 23, 2022</i>b) <i>October 21, 2022</i>• FL 102 – <i>USF Financing Corporation and USF Property Corporation Boards of Directors</i>• FL 103 – <i>USF St. Petersburg Campus Board Member</i>• FL 104 – <i>Research Vessel Western Flyer</i> | <div>Chair Weatherford</div> <div>Chair Weatherford</div> <div>Chair Weatherford</div> <div>FIO Director, Monty Graham</div> |
| IV. | Adjournment | Chair Weatherford |



**USF Board of Trustees
Governance Committee**

Tuesday, August 23, 2022

Time: 9-9:30am

Microsoft Teams Meeting

Trustees: Will Weatherford, Chair; Sandra Callahan, Michael Carrere, Mike Griffin

MINUTES

Chair Will Weatherford welcomed everyone and convened the Governance Committee meeting.

Kiara Guzzo called the roll

Trustee Sandy Callahan

Trustee Mike Carrere

Trustee Mike Griffin

Trustee Will Weatherford

There were no public comments.

New Business Action Items

FL 101 – Approval of May 24, 2022 Minutes

Having no changes to the Minutes Chair Weatherford requested a motion for approval, which was given by Trustee Sandy Callahan and second by Trustee Mike Carrere. Item FL 101 – May 24, 2022 minutes were approved.

FL 102 DSO Board of Directors

Please refer to the BOT Governance Committee website for the list of selected new members.

Chair Weatherford presented.

Next are new appointments to several Direct Support Organizations at USF. Chair Weatherford expressed gratitude towards the individuals involved in the nominations of these candidates as well as these individuals themselves for expressing interest to serve. The following DSOs had nominations for approval:

- a. USF Foundation
- b. USF Institute of Applied Engineering

- c. University Medical Service Association, Inc.
- d. Medical Services Support Corporation
- e. Health Professions Conferencing Corporation
- f. Sun Dome, Inc.

Chair Weatherford requested a motion for approval, which was given by Trustee Carrere and second by Trustee Sandy Callahan. Item FL 102 DSO Board of Directors was approved.

Chair Weatherford again expressed gratitude for the volunteers serving on the University's DSO boards.

FL 103 Approval of President's 2022 – 2023 Goals

Chair Weatherford Presented

Per the President's contract: On or before August 15th of each contract year, the President shall provide the Board Chair with a list of proposed goals and objectives. Once approved by the Board Chair the proposed list of goals and objectives shall be submitted by the President to the Governance Committee of the Board of Trustees for consideration. Following consideration by the Governance Committee, the proposed goals and objectives shall be presented for review and approval by the Board.

Selected goals that emphasize USF strengths or where we can capitalize on a unique opportunity to advance the University. Considered actions that would move USF forward to a top 25 university and position us for AAU eligibility. Achieving these things will enhance the quality of education we provide and enhance the standard of excellence of everything we do.

Goals include specific metrics to track the progress with a mix of qualitative and quantitative metrics.

President Law provided an overview of the goals.

Presidential Goals 2022-2023

- 1) **Academic Excellence & Student Success:** Bolster academic excellence and student success outcomes by focusing on establishing initiatives that prepare graduates to compete in a 21st-century workforce and driving meaningful engagement and alignment with business and industry; maintaining momentum on Performance-Based Funding and Preeminence metrics and USF's trajectory to Top 25 USNWR; and ensuring a campus environment that is diverse and inclusive, while fostering a sense of belonging and supporting freedom of expression.
 - a. Meet or exceed the non-normalized score (87 out of 100 points) USF earned in the 2022 PBF assessment.
 - b. Meet or exceed all Preeminence metrics.
 - c. Implement strategies towards achieving USNWR Top 25 including a focus on class size reductions and increasing the six-year graduation rate, the peer assessment score, and the average spend per student.
 - d. Implement best practices and strategies related to freedom of expression including a new civil discourse orientation module.
- 2) **Great Place to Work:** Further USF's commitment as a great place to work through attracting, retaining, and developing high-quality, diverse faculty and staff, and improved administrative infrastructure and systems that drive operational efficiency, transparency, and inclusivity.

1. Begin year one of Oracle implementation to stabilize the infrastructure around talent planning; streamline processes and build efficiencies for predictive workforce planning; and proactive and predictive to promote diversity, equity, and inclusion best practices.
 2. Launch and promote an Employee Success Center to ensure employee growth and retention.
 3. Increase employer brand through global recognition of workplace environment.
 4. Complete leadership searches for the Provost and the Vice President for Diversity, Equity, and Inclusion.
- 3) **In Pursuit of Excellence:** Elevate and promote USF's pursuit of excellence by advancing the university's regional, statewide, and national reputation through efforts in planning for an on-campus stadium; brand positioning and marketing; engagement with community, alumni, legislative stakeholders, and business and industry; planning and development of new facilities and strategic initiatives on branch campuses and USF Health; and continued implementation of USF's 2022-2027 Strategic Plan.
- a. Continue to monitor the effective implementation of the University's Strategic Plan.
 - b. Empower university leaders to meet their strategic goals.
 - c. Continue to assess feasibility of on-campus Stadium.
 - d. Enhance USF's national reputation by completing a brand research project to develop positioning and messaging to support future marketing and communications.
 - e. Increase engagement with the Tampa Bay community through targeted outreach, especially to highlight USF's efforts around diversity and inclusion.
 - f. Complete the due diligence and begin the design phase on the College of Nursing expansion and the Sarasota-Manatee campus Nursing Stem Building.
 - g. Obtain approval from the Board of Governors to construct the USF Sarasota-Manatee campus Housing and Student Center Project.
 - h. Launch President's Global Leadership Council to activate high achieving global USF alumni to engage with USF around issues and activities of international significance.
- 4) **Research:** Evaluate the needs/gaps of the Office of Research to better meet the changing university landscape.
- a. Meet or exceed USF's rankings in the top 10% for total research expenditures.
 - b. Drive new proposals by faculty and optimize funding levels to increase active research awards.
 - c. Assess decentralized vs. centralized research models.
- 5) **Budget Model:** Implementation of the university's new budget model to ensure a strong, sustainable, and adaptable financial base by identifying, carrying out, and maintaining best practices of judicious resource management.
- a. Finalize the new funds flow model, including developing the 5-year financial plan that aligns with the university's strategic plan.
 - b. Identify internal efficiencies to address cost containment to invest in strategic growth areas.
- 6) **Legislative Support, Fundraising & Commercialization:** Maximize external revenue streams through fundraising/philanthropic targets, research, and other auxiliaries.

- a. Continue strong community and legislative relations to bolster awareness of the unique and personalized strengths across each campus to increase advocacy and secure additional recurring state investments.
- b. Raise \$125 million or more in total gifts and commitments.
- c. Diversify, commercialize, and monetize USF intellectual property by expanding beyond patents to data licensing, trademarks, copyrights, and actively engaging consultants to identify suitability for licensing and any infringements.

Chair Weatherford commented that the goals themselves are broad based but there is a lot of specificity underneath. He also commended the President for working hard.

Trustee Callahan commented that there is plenty of challenge in the goals but they do address our strategic plan. Commended both President Law and Chair Weatherford for their work in coming up with these goals.

Chair Weatherford called for a motion, which was given by Trustee Griffin and seconded by Trustee Callahan. The President's 2022 – 2023 Goals were approved unanimously.

New Business – Information Items

Board Self-Assessment Review

Chair Weatherford presented.

Section 4 of the Southern Association of Colleges and Schools Commission on Colleges 2018 Principles of Accreditation requires governing boards to define and regularly evaluate their responsibilities and expectations as a Board. The Board's responsibilities are defined in Article IX, Section 7 of the Florida Constitution, the Board's Operating Procedures, Board regulations, and state law.

The biennial Board of Trustees' Self-Evaluation survey was administered electronically in July. The survey results are posted in Diligent for discussion.

Chair Weatherford highlighted some of the results from the survey including:

82% of the board strongly agreed that we are knowledgeable mission, vision, and strategic priorities of USF. It is incumbent on us as Trustees and administration to ensure everyone has a strong understanding.

There was also great feedback on diversity in the survey. Although we do not control who gets appointed, our DSOs are a great opportunity to prime individuals who may be future trustees at USF.

Chair Weatherford encouraged Trustees to ask for opportunities to engage if that is of interest to them.

Trustee Jasinski Schneider asked what the action steps are with this review. Chair Weatherford commented that it is more for knowledge and that as Chair, he will follow-up on certain items.

Trustee Carrere commented having more in person meetings on core issues would be productive, although understood that it is not always feasible.

Having no further business Chair Weatherford adjourned the meeting.



**USF Board of Trustees
Governance Committee**

Friday, October 21, 2022
Microsoft Teams Meeting

Trustees: Will Weatherford, Chair; Sandra Callahan, Michael Carrere, Mike Griffin, Melissa Seixas

A G E N D A

I. Call to Order and Welcome

Chair Will Weatherford

Chair Will Weatherford welcomed everyone and convened the Special Board of Trustees Governance Committee meeting to consider two proposals being submitted to the Board of Governors for additional funding as part of the Linking Industry to Nursing Education (LINE) Program that was established by the Florida legislature during the 2022 session.

Chair Weatherford commented that pursuant to the Board of Trustees Operating procedures (Article III A.), the Governance Committee is authorized to act on behalf of the board for these types of matters, which helps our board operate effectively and efficiently.¹

Kiara Guzzo called the roll.

Trustee Sandy Callahan
Trustee Mike Carrere – Did not participate
Trustee Mike Griffin
Trustee Melissa Seixas
Trustee Will Weatherford

¹ The Governance Committee shall have authority to act for the Board of Trustees on all matters except for the following, which shall be reserved for the full Board: appointing and removing the President; approving or discontinuing programs; board officer selection; Campus Board membership; changes in institutional mission and purposes; changes to the operating procedures; incurring of corporate indebtedness; and adoption of the annual budget. Board Operating Procedures, Article III. A.

II. New Business – Action Items

FL 101 – Linking Industry to Nursing Education (LINE) Fund Proposals

The USF College of Nursing Dean Usha Menon presented.

The Linking Industry to Nursing Education (LINE) fund provides an opportunity for each state university to receive dollar-for-dollar matching funds to match contributions from a healthcare partner. Gift funds and matching funds may be used for any of the following priorities: student scholarships, recruitment of additional faculty, purchasing or repairing equipment to support the delivery of nursing education, and/or updating nursing simulation centers. Two LINE proposals have been awarded this year by the Board of Governors for a match with healthcare partners for a total amount of \$915, 911. The two LINE proposals from USF below will request the remaining funding in the LINE Project from the Board of Governors. The proposals are described below:

1. Johns Hopkins All Children's Hospital will partner with USF College of Nursing to provide scholarship support for our nursing students. With a scholarship gift to support Bull Nurses matched by Florida's LINE fund, the college will create a cohort of Johns Hopkins All Children's Hospital Scholars. As part of a cohort program, Johns Hopkins All Children's Hospital could host recipients at special events, meet with scholars around focused topics, and give special tours of Johns Hopkins All Children's Hospital facilities. These types of interactions help foster a collegial, mutually beneficial relationship for students with one another and with Johns Hopkins All Children's Hospital. Additionally, Johns Hopkins All Children's Hospital would like to award the scholarships to those from underserved communities who would be dedicated to pediatric nursing careers long-term. (\$200,000 total)
2. HCA Healthcare West Florida Division will partner with USF College of Nursing to provide scholarship support for our nursing students. With a scholarship gift to support Bull Nurses matched by Florida's LINE fund, the college will create a cohort of HCA Healthcare West Florida Division Scholars. As part of a cohort program, HCA Healthcare West Florida Division will host recipients at special events, meet with scholars around focused topics, and give special tours of HCA Healthcare West Florida Division Hospital facilities. These types of interactions help foster a collegial, mutually beneficial relationship for students with one another and with HCA Healthcare West Florida Division. Additionally, HCA Healthcare West Florida Division has partnered with USF College of Nursing to help support tutoring and student success. In response to student feedback and national surveys, counseling, career transition support services, and rapid response tutoring and mentoring are the most effective ways to empower the next generation of nurses to pursue their degree with confidence. (\$310,000 total)

Chair Weatherford requested a motion for approval which was given by Trustee Callahan and seconded by Trustee Seixas. The two LINE proposals were approved.

Chair Weatherford thanked Dean Menon for her presentation. Having no further business, Chair Weatherford adjourned the Special Governance Committee meeting.

Agenda Item: FL 102

**USF Board of Trustees
Governance Committee
November 21, 2022**

Issue: USF Financing Corporation and USF Property Corporation Boards of Directors

Proposed action: Approve appointment of Andrew Mayts to serve on USF Financing Corporation and USF Property Corporation Boards

Executive Summary:

Pursuant to Florida Statute Section 1004.28 and USF System Regulation 13.002, the USF Board of Trustees must approve members of Direct Support Organizations' Boards of Directors.

Andrew Mayts is recommended to serve a term of 4 years on the USF Financing Corporation and the USF Property Corporation Boards of Directors.

Mr. Mayts is a partner and public sector chair of the Shumaker law firm and focuses his practice on banking and finance and construction related litigation, as well as cybersecurity prevention and response. He handles complex civil litigation matters for businesses, including national banks in state and federal court.

Mr. Mayts is a graduate of the University of South Florida with a B.S. degree.

Attached is Mr. Mayts' biography.

Mr. Mayts is eligible for appointment ending 2026.

This appointment will be effective upon BOT approval.

i

BOT Committee Review Date: November 21, 2022

Supporting Documentation Online (*please circle*): **Yes**

No

Prepared by: Fell L. Stubbs, University Treasurer

Andrew J. Mayts, Jr.



Partner, Shumaker, Tampa

Andy focuses his practice on banking and finance and construction related litigation, as well as cybersecurity prevention and response. He handles complex civil litigation matters for businesses, including national banks in state and federal court in numerous trials.

Practicing for many years as a banking and finance litigation lawyer, he has handled the defense of regulatory compliance matters, special assets, and consumer actions against financial institutions.

As a construction law lawyer, Andy has represented owners, subcontractors, suppliers, and general contractors in numerous defect and equitable adjustment claims. He has lectured on construction law issues for the Hillsborough County Bar Association and other various associations.

Andy's cybersecurity practice involves advising clients on data breach prevention, response, and litigation for business owners and corporate clients. He works to protect companies against a data breach by improving data practices and provides in-depth incident response assessment if a breach occurs.

Andy was a director of the USF Alumni Association, 2012-2013 and 2020-2021; and chair of the Tampa Bay Chamber, Board of Directors, 2021.

Andy has a J.D., Stetson University and a B.S., University of South Florida.

Agenda Item: FL 103

USF Board of Trustees

December 7, 2022

Issue: Appointment of St. Petersburg Campus Board Member

Proposed action: Approve St. Petersburg Campus Board Member

Executive Summary:

The Board of Trustees shall appoint members to the Campus Advisory Boards, from recommendations of the President.

St. Petersburg Campus Advisory Board Appointment:

Isaac McKinney III is an accomplished leader and problem solver, with a proven ability to deliver cost-effective, innovative solutions that enhances the ability of a business when delivering cutting edge products and solutions to its clients. Isaac has over twenty-five years of organizational leadership experience with a canny ability to identify and solve complex problems. A highly effective communicator who inspires others to maximize their performance, and equally important, achieve their professional and personal goals. Respected as a credible voice in decision making, finding strategic direction, and establishing execution guidelines, Isaac earns a seat at the table wherever he serves.

Currently, as Network Information Security Global Project manager for Internet First Borderless technologies at PwC, a multinational professional services network of firms, operating as partnerships under the PwC brand, Isaac manages efforts to reduce redundant technology investment, enabled migration to public and internal clouds, which allows territories to focus on innovative efforts while utilizing Microsoft Azure and Google Cloud Platforms for public cloud services and provide private cloud services via Global Hosting Centers (GHCs) located in North America, Europe and Asia.

Internet First Borderless allows PwC to provide seamless and consistent connectivity to PwC applications and the broader Internet regardless of location (office, client, home, or public location), All while lowering global annual spend 35 million dollars, increasing global security, and providing a better user experience for our network of firms and clients.

Previously, as Principal Consultant, Isaac led Telecommunications consulting engagements for Oracle Consulting. During his time, he drove client transformations to Oracle Applications, transforming client Enterprise systems, resulting in increased IT cost savings for clients along with increased business functionality. Earlier he rose through the ranks of Andersen Consulting/Accenture providing Database services to Utility and Telecommunications clients.

Isaac holds an MBA from the University of South Florida, BS from Florida Agricultural & Mechanical University. Isaac serves on several boards and is a member of numerous professional organizations, including: Leadership St. Pete Alumni Association, Information Systems Security Association, Project Management Institute, National Black MBA Association.

Strategic Goal(s) Item Supports:

BOT Committee Review Date: Governance Committee, November 21, 2022

Supporting Documentation Online (*please circle*): Yes No

Prepared by: Paige Geers, Chief of Staff

Agenda Item: FL 104

USF Board of Trustees
Governance Committee
November 21, 2022

Issue: Research Vessel *Western Flyer*

Proposed action: Approve to accept title of Research Vessel under grant agreement between USF and Monterey Bay Aquarium Research Institute¹

Executive Summary: The University of South Florida entered into a grant agreement in July 2022 to receive the 117' Research Vessel *Western Flyer* to be utilized as a platform for workforce development and for increased ocean STEM participation by historically underrepresented groups across Florida and the southeast United States. The research vessel's operator will be the Florida Institute of Oceanography (FIO). The vessel and its associated programming will directly support FIO's approved strategic plan and three of USF's strategic priority areas: Sustainability, Environmental, and Oceanographic Sciences; Global and National Security; Social Justice and Human Rights. As a platform of advanced ocean technologies, the *Western Flyer* will increase USF STEM opportunities, support degree completion, increase recruitment of faculty and students, and increase research funding. Funding for the vessel's operations will be through the existing FIO vessel auxiliary with revenues generated by contracts and grants with federal agencies, maritime industry and philanthropic organizations.

Financial Impact: Appraised value of vessel is \$11,700,000 with a probable sales value in the current market at \$7,000,000. Current federal grant with Office of Naval Research is \$14,500,000 support all FIO vessels. Over \$200,000 in philanthropic support for program development and implementation. USF is supporting \$750,000 in transit costs through strategic investment of carry-forward funds.

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Strategic Goal(s) Item Supports: Sustainability, Environmental, and Oceanographic Sciences; Global and National Security; Social Justice and Human Rights.

BOT Committee Review Date: Governance Committee, November 21st

Supporting Documentation Online (*please circle*):

Yes

No

Prepared by: Monty Graham, FIO Director

Research Vessel *Western Flyer*

Action: Approval by BoT Committee to accept title under grant agreement with Monterey Bay Aquarium Research Institute.

Monty Graham

Director

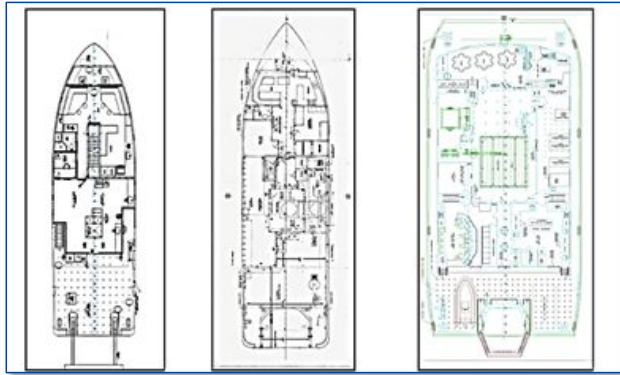
Florida Institute of Oceanography



Hosted at



Western Flyer



Financials Overview

- Grant agreement (donation) with MBARI (July 2022)
\$11.7M fair market value; \$7M probable resale value
- Federal agencies, Industry, Philanthropic investing
\$14.5M 5-yr operational and \$1.5M tech build grants from
Office of Naval Research
- Development grants from NSF, Schmidt Family, Lounsbery
- Contracted bookings with ONR, NOAA (>100 days)



Inclusive Training & Mentoring Program for Ocean STEM

Program Goals

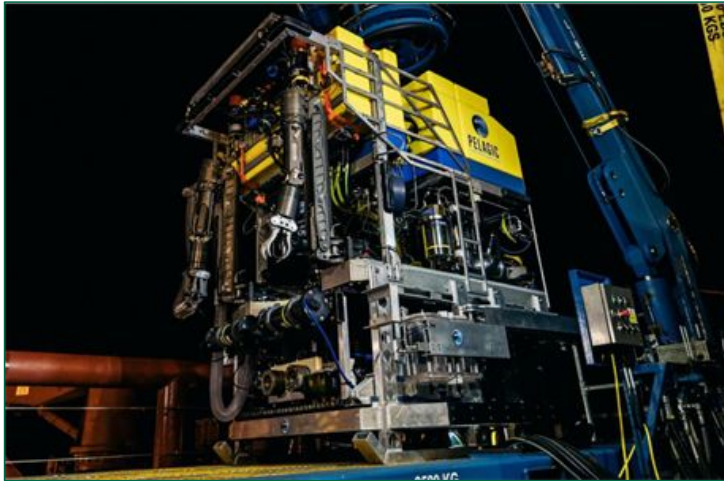
- Increase ocean STEM workforce
- Build a support network
- Sense of belonging
- Involve communities in ocean knowledge creation
- Building community trust in critical scientific information



Remote Science Fosters Equity and Inclusion

Technologies & social systems to connect
humans, robots, & data

- Create best practices for inclusive & equal ocean access
 - Data & communications systems
 - Augmented and Virtual Reality for science, engineering, & training



Impact and Timeline

Supporting USF Strategic Areas

Sustainability, Environmental, and Oceanographic Sciences.

Global and National Security.

Social Justice and Human Rights.

Timeline

July 2022	Grant Agreement Finalized
29 Nov 2022	Vessel Transfer
Feb-Mar 2023	Transit to St. Petersburg (Panama Canal)
June 2023	Pilot Programming

Research Vessel *Western Flyer*

Summary Business Model for Operation by Florida Institute of Oceanography

Introduction and Scope

This report is intended to clarify the value proposition and Return on Investment of the R/V *Western Flyer* to the University of South Florida (USF), to provide detail on the projected operating costs of this vessel, and to provide a statement of USF's financial obligation with revenue options currently pursued by Florida Institute of Oceanography (FIO).

FIO Mission: The Florida Institute of Oceanography ensures sustained excellence in marine research and education through the advancement and availability of infrastructure, development of partnerships, and the enabling of outcomes that benefit the people of Florida. FIO serves as an enabler, facilitator and coordinator across academia, state and federal agencies, ocean science organizations and the private sector.

Vessel Purpose: Providing at-sea ocean STEM workforce development through science and technology partnership opportunities supporting Florida, the southeast United States, and US territorial waters of the northern Caribbean Sea.

Value Proposition: Relevant to USF's goal of AAU and U.S. News & World Report Top 25 attainment

Florida Institute of Oceanography is an Academic Infrastructure Support Organization operating under the authority of the Board of Governors' Regulation 10.014. While FIO is neither an academic program nor a research unit, the institute provides support to USF and other State University System (SUS) institutions in the form of infrastructure including research vessels.

As detailed in FIO's current Strategic Plan (2021-2025), reviewed and approved by USF's Board of Trustees and the Board of Governors' Council of Academic Vice Presidents, FIO operates research vessels for the advancement of SUS priorities. Among priority goals for USF, FIO's host institution, are an invitation to AAU and attainment of *U.S. News & World Report* (USNWR) Top 25 research university status.

Key areas of relevance of R/V *Western Flyer* and its proposed mission focus for AAU and Top 25 include:

- Increased graduation rates for students through access to ocean technology in support of courses, capstones, theses, and dissertations;
- Increased retention rates for students by providing unique and attractive experiences at sea under the direct mentorship of ocean scientists;
- Enhanced opportunities for attracting talented faculty to USF (resultant effect on faculty awards, citations, research funding) through USF start-up funding of ship-time and access to oceanographic vessels and modern technology. This is especially important to attract and retain underrepresented minorities to oceanographic sciences at USF;

- Overall enhancement of research funding and increased spending on teaching and research at USF through partnership-building with industry and federal agency partners seeking to collaborate with USF oceanographic scientists on at-sea research and development.

Value Proposition: Intersection of three of USF's six Areas of Strategic Focus

Sustainability, Environmental, and Oceanographic Sciences. A core element of this strategic area is the access of faculty, students, and researchers to modern oceanographic facilities. This relevance can be framed by the 27 current AAU members who have prominent ocean science, engineering, or ecology programs and by 8 current Top 25 universities that not only have these programs but are also operators of large oceanographic research vessels.

Global and National Security. Among our key federal partners is the Department of Defense through the Office of Naval Research (ONR). FIO is establishing a 5-yr Cooperative Agreement with ONR for upgrades, operations, and training. FIO is also developing a Memorandum of Understanding with a major defense contractor for purposes of leveraging FIO assets including Western Flyer to perform Test & Evaluation activities for the Defense Advanced Research Program Administration (DARPA). Both entities are drawn to R/V *Western Flyer* because of its enclosed "moon pool" and secured network facilities. USF programs associated with this Strategic Area will see value in R/V *Western Flyer*.

Social Justice and Human Rights. Our primary goal for this vessel is to enhance ocean STEM by fostering scientific collaboration that prioritizes a diverse workforce. High among these outcomes are diversity and inclusion among all participants, faculty, students, and researchers, with a shared commitment to increased access to the products of science and data equity as it relates to the climate crisis, security (global, national, water, food, cyber, financial, health) and environmental sustainability.

R/V Western Flyer adds high value to FIO's mission with predicted revenue

The R/V *Western Flyer* is a unique design among research vessels. Small Waterplane Area Twin Hull (SWATH) vessels are traditionally designed and operated with speed and stability in mind. This makes SWATH vessels particularly good for high-speed passenger ferry operations. However, the incorporation of a central large "moon pool" opening within the skin of the ship allows for stable ship operations while deploying scientific equipment through the "moon pool" opening. No other research vessel is designed with this capability, and there is a strong reputation of R/V *Western Flyer* among the academic research fleet as a very stable vessel conducive to a wide variety of otherwise sea-state sensitive operations.

The R/V *Western Flyer* will not replace the current capability in the FIO research vessel fleet. Rather, the addition of a large and stable oceanographic vessel will add education and research opportunities for FIO member institutions including the host institution, USF. These include:

- Deepwater exploration of areas currently inaccessible to our other vessels;
- Mapping and characterization using a suite of technologies including a 4000-meter depth-rated remotely operated vehicle (ROV),
- Deployable acoustic mapping technologies to complement finer-scale ROV exploration;
- Ability to deploy and recover heavy scientific equipment and experiments to the deep seafloor;
- A stable platform for learning experiences involving new students;
- Ship-to-Shore telepresence capabilities for reaching and including people unable to otherwise participate;

- Provides a 'closeted' space for the Department of Defense and defense contractors to develop collaborative R&D with faculty and researchers.

Proposed Operating Budget

Below is an operating budget summary for R/V *Western Flyer* with R/Vs *Weatherbird II* and *Hogarth* included for comparison. These costs are divided into 'Fixed' and 'Variable', where Fixed costs are those incurred regardless of whether the vessel leaves the dock. Variable costs are only incurred when the vessel leaves the dock. Important differences for R/V *Western Flyer* include:

- The crew are to be fully supported by Auxiliary funds (*Weatherbird II* and *Hogarth* crew fixed, non-overtime/sea pay, salary costs are supported through E&G; all other expenses for existing vessels are covered under Auxiliary)
- Western Flyer crew size is 33% larger than *Weatherbird II*
- Telecom higher due to at-sea 'telepresence' mission
- Services costs (shipyard, major multi-year servicing) are higher because of the aluminum hull and advanced technologies

		<i>Weatherbird II</i>	<i>Hogarth</i>	<i>Western Flyer</i>
Personnel		\$530,109	\$476,159	\$1,638,049
	Fixed	\$355,806	\$288,167	\$971,256
	Variable	\$174,303	\$187,992	\$666,793
Travel		\$4,000	\$4,000	\$15,000
	Fixed	\$4,000	\$4,000	\$4,000
	Variable	\$0	\$0	\$11,000
TeleComm		\$105,000	\$105,000	\$300,000
	Fixed	\$85,000	\$85,000	\$85,000
	Variable	\$20,000	\$20,000	\$215,000
Services		\$529,500	\$419,500	\$833,500
	Fixed	\$529,500	\$419,500	\$760,000
	Variable	\$0	\$0	\$73,500
Major Overhaul		\$300,000	\$300,000	\$300,000
Materials & Supplies		\$242,000	\$195,000	\$619,000
	Fixed	\$56,000	\$35,000	\$101,500
	Variable	\$186,000	\$160,000	\$517,500
TDC		\$1,710,609	\$1,499,659	\$3,705,549
Admin	0.06	\$102,637	\$89,980	\$222,333
Total		<u>\$1,813,245</u>	<u>\$1,589,638</u>	<u>\$3,927,882</u>
Target Day Usage		130	170	230
Day Rate		\$13,948	\$9,351	\$17,078

What are the financial obligations to USF?

The financial obligation requested of USF is \$750,000 from carry-forward funds. These are limited to expenses in FY22-23 associated with the transfer and transit of the R/V *Western Flyer* from San Francisco Bay to St. Petersburg. This obligation is in the form of an underwrite against a proposal in review with the Office of Naval Research. In this proposal, FIO has requested transit/transfer costs (\$750,000) in Year 1 as well as operating costs, Remotely Operated Vehicle Command & Control room (\$1,000,000), and educational support for up to 80 students and full-time at-sea mentors.

Beyond transfer and transit costs, the R/V *Western Flyer* will be operated in line with other FIO vessels, albeit with the entirety of the *Western Flyer's* budget as an Auxiliary (as opposed to *Weatherbird II* and *Hogarth* where the crews' base salaries are E&G-funded).

Business Options

Option 1: Fully funded operations through federal cooperative agreements, contracts, and grants to support the mission of the vessel.

Justification: FIO is currently partnered with Monterey Bay Aquarium Research Institute, Schmidt Ocean Institute (and other sources of philanthropy), and the Center for Coastal and Marine Ecosystems (a NOAA Cooperative Science Center led by Florida A&M University) to develop a leadership program to accelerate students into the ocean STEM workforce fueling the 'blue economy' with a focus on increasing workforce diversity and the talent pipeline. This initiative is widely supported across federal agencies including NOAA, the National Science Foundation, the Office of Naval Research, NASA, and the Bureau of Ocean Energy Management.

Option 2: Operate the vessel under the current charter model used for other FIO vessels.

Justification: Bottom line costs of the vessel will be covered by chartering as is the current practice of *Weatherbird II* and *Hogarth*. FIO vessels are near operating capacity (combined 300 days per year) with new interest exceeding capacity. The new capacity of R/V *Western Flyer* has generated interest among USF College of Marine Science faculty, students and researchers, other SUS and non-SUS members who have unmet deepwater research needs (Florida State University, Florida International University, Nova Southeastern, Florida Institute of Technology), federal agencies (NOAA deepwater coral restoration, Bureau of Ocean Energy Management offshore wind as two examples) and industry.

Example of operations: An industry user has the desire to enter an MOU covered under an NDA. This MOU incentivizes the industry partner to collaborate with SUS institutions while providing a program through which the partner incorporates students into research cruises. The industry partner may, but is not required to, apply for Affiliate FIO Member status. In the last month, FIO has begun developing MOUs with three industry partners in areas of defense, mapping, and exploration. All have agreed to support the FIO mission of collaborative opportunities with SUS institutions.

Return on Investment related to AAU and USNWR Top 25:

FIO expects USF researchers to lead at least five expeditions per year. These expeditions will generate about \$1.5M per year in new research expenditures for USF and carry about \$500,000 in returned indirect funds per year. Over the year, these expeditions will generate 20 publications, 5 theses or dissertations, and 20 senior capstone projects from 20 undergraduate and 5 graduate students,

primarily minority students, participating in the programming. Importantly, all 25 students will benefit from career mentoring and enhanced job placement.

The financial savings for USF students supporting social mobility is also a primary metric. Currently, FIO provides at-sea experiences that are monetized at \$800 per student-day in financial savings to the student. The R/V *Western Flyer* experiences can expect to be \$1,500 per student-day in financial savings, which will translate to about a \$75,000 per year total value to USF students. Comparatively, this is about a 2-fold increase above the average annual Pell Grant award for these 5 students.

As the host institution of FIO, USF will benefit from the reputational value of the only research vessel in the world with a dedicated mission to improve diversity and inclusion in the ocean STEM workforce and scholarly achievement. Among key stakeholder groups and funding partners, this reputation is already being realized.

WESTERN FLYER DELIVERY AND TRANSIT TIMELINE

Rev. NOVEMBER 1, 2022

SUMMARY:

Based on a transfer of ownership date of November 29, 2022, of the R/V WESTERN FLYER from MBARI to FIO, the following is a detailed timeline for preparing the vessel and delivery crew for the transit from San Francisco, CA to St. Petersburg, FL. The vessel will stay berthed at MBARI until it transits to Bay Ship and Yacht in San Francisco, on or about January 6, 2023.

DELIVERY CREW:

The delivery crew shall consist of 12 FIO/MBARI crew and 3 MBARI consultants, as follows -

FIO – Master, Chief Mate, Second Mate, 3 A/B's, Chief Engineer, First Assistant Engineer, Second Assistant Engineer, Steward/Cook, Cook, Senior Marine Technician

MBARI – Master consultant, Chief Engineer consultant, Marine Technician consultant

DELIVERY TIMELINE AND TRANSIT SCHEDULE:

Preparation/shipyard transit/shipyard -

November 29: Vessel ownership transferred. FIO personnel and contract MBARI personnel to provide vessel security and ongoing maintenance for the period of November 29, 2022 – January 3, 2023. All crew and consultants signed for the period of January 3 – March 1, 2023.

Transit- (NOTES: Transit speed 8 knots. Range – 3,000 NM. Fuel reserve – 25% minimum, giving a 2,260 NM effective range. Total distance (San Francisco, CA to FIO) – 4,461 NM, 23 days, 6 hours transit time at 8 knots.

January 3, 2023: FIO crew and MBARI crew arrive on vessel

January 4 – 5: FIO/MBARI crew provision and prep vessel for transit to Bay Ship and Yacht, San Francisco.

January 6: Vessel transits to the shipyard.

January 7 – 31: Vessel in dry dock for USCG/ABS required repairs and service. Vessel provisioned and fueled January 28 – 31.

February 1, 2: File departure documentation with SF agent and USCBP. Complete systems operational tests before getting underway

February 3 – 11: WF transits from San Francisco to Manzanillo, Mexico. Distance - 1538 NM, 8.01 days

February 12 (in port, Manzanillo): Clear Mexico Customs and Immigration, take on fuel and additional stores, and overnight rest for the crew.

February 13 – 22: WF transits from Manzanillo to Balboa, Panama (west side, Panama Canal). Distance – 1,707 NM, 8.89 days.

February 23 - 25: WF clears Panama Customs and Immigration, stands by, receives FIO science personnel, and prepares and transits Panama Canal (east side – Cristobal).

February 26 (in port, Cristobal): Take on fuel and stores, overnight rest for the crew. Drop science personnel.

February 27 – March 5: WF transits from Cristobal, Panama to St. Petersburg, FL. Distance – 1,216 NM, 6.33 days.

March 6: Vessel arrives at FIO and clears US Customs and Border Protection.

Assuming 5 extra days for weather and mechanical issues, WF shall arrive at FIO no later than March 11, 2023.

NOTE: Contract crew and consultants will travel home the day after arrival, assuming clearance by US Customs and Border Protection, which may include a short quarantine period.