



Presentations for Oct. 9, 2025 Board of Directors Meeting



Item 5a.iiP: Zalophus





Item 5A.ivP: Full-Scale Exercise

# SFO Full Scale Exercise

September 17, 2025

# SFO Water Rescue Full Scale Exercise

SFBF - Downed aircraft off Oyster Point Marina. Switch to VMAP Rescue Vessel

45+ Partner Agencies

200 Volunteers onboard

- CERT
- NERT
- City College of SF
- Vacaville HS



## DEPLOYING IBA'S



# EVACUATION SLIDE



# ONTO FERRY IBA'S



## TRANSFER TO FD RAFTS



## TRANSFER TO RESCUE BOATS AND RETURN TO OYSTER PT



## EXERCISED VESSEL MUTUAL ASSISTANCE PLAN (VMAP) PROCEDURE



## CREW TRAINING





Thank you



*San Francisco Bay Ferry*



Item 7P: Long-term RM3 Capital Outlook

# Item 7 – Long-term RM3 Capital Outlook

October 9, 2025



***San Francisco Bay Ferry***

## CURRENT REGIONAL MEASURE 3 CAPITAL ALLOCATIONS

- **\$300 million** total in RM3 capital funds
- **\$76.3 million** allocated to date, including:
  - Mission Bay Ferry Terminal – \$26 million
  - Berkeley Pier/Ferry Project – \$3 million
  - Zero-Emission Vessels – \$38 million
  - Hydrus Zero-Emission Conversion – \$9 million

## ANTICIPATED REGIONAL MEASURE 3 CAPITAL ALLOCATIONS

- Anticipated future RM3 allocations in FY2026 total **\$39.2 million**:
  - \$16.2 million – UCF (Seaplane Lagoon)
  - \$10.3 million – UCF (Gate G)
  - \$12.7 million (estimated) – UCF and shoreside infrastructure (Harbor Bay)
- Pending approval, SF Bay Ferry will have committed **\$115 million** of its \$300 million total RM3 capital allocation.

## STATE OF GOOD REPAIR

- A substantial portion of unallocated RM3 Capital Funds will be required to meet state-of-good-repair needs.
- Fleet expansion and electrification will increase capital maintenance costs beyond the capacity of existing revenue sources beginning in FY 2027.

## POTENTIAL SCENARIOS AND KEY QUESTIONS

What objectives are achievable when it comes to SF Bay Ferry's expansion and zero-emission transition priorities?

How should RM3 be prioritized to accomplish these priorities?

How successfully will RM3 funds need to be leveraged to achieve the outcomes we are seeking?

- Staff developed three scenarios projecting capital budget costs, funds, and needs through FY 2037 to frame available resources.
- Final long-term Capital Program implementation and financial plans to be prepared as part of 2050 Business Plan.

## SCENARIO A: FOCUS ON REEF

### Baseline for Capital Program

- Phases 1-3 of the REEF Program
- Electrification of **five** existing routes (SEA, HB, OAK, RCH, SSF)
- Delivery of **12** large battery electric vessels
- Berkeley, Redwood City, and service enhancements not fully funded

### *Key Financial Metrics*

- RM3 Capital Funds for State of Good Repair: **\$163M**
- Remaining RM3 Capital Funds: **\$22M**
- Unfunded Need for New Capital: **\$417M**

## SCENARIO B: MODIFIED REEF PROGRAM

### Scaled-back approach for REEF Program

- Phases 1-2 of the REEF Program
- Electrification of **three** (SEA, HB, OAK) existing routes
- Delivery of **eight** large battery electric vessels
- Phase 3 of the REEF Program deferred
- Berkeley, Redwood City, and service enhancements not fully funded

### *Key Financial Metrics*

- RM3 Capital Funds for State of Good Repair: **\$141M**
- Remaining RM3 Capital Funds: **\$44M**
- Unfunded Need for New Capital: **\$244M**

## SCENARIO C: MODIFIED REEF PROGRAM + EXPANSION

Additional scaling back of REEF Program but assumes more expansion

- Phases 1 and 2 (partial) of the REEF Program
- Electrification of **two** existing routes (SEA, HB)
- Delivery of **four** large battery electric vessels
- Three battery electric vessels to support Berkeley expansion
- Oakland electrification deferred under Phase 2.

### *Key Financial Metrics*

- RM3 Capital Funds for State of Good Repair: **\$151M**
- Remaining RM3 Capital Funds: **\$34M**
- Unfunded Need for New Capital: **\$180M**

## SCENARIO SUMMARY

	<b>RM3 Capital Funds for State-of-Good- Repair</b>	<b>Remaining RM3 Capital Funds</b>	<b>Unfunded Need for New Capital</b>
<b>Scenario A - Focus on REEF</b>	\$ 163,000,000	\$ 22,000,000	\$ 417,000,000
<b>Scenario B - Modified REEF Program</b>	\$ 141,000,000	\$ 44,000,000	\$ 244,000,000
<b>Scenario C - Modified REEF + Expansion</b>	\$ 151,000,000	\$ 34,000,000	\$ 180,000,000



Item 11P: Universal Charging Float Construction Contract Award

An aerial view of a large, white, rectangular floating structure under construction on a body of water. The structure features a complex network of steel trusses and beams, with several tall, white, conical structures protruding from its deck. The water is a deep blue, and the sky is a pale, hazy blue. The overall scene is presented in a semi-transparent, light blue overlay.

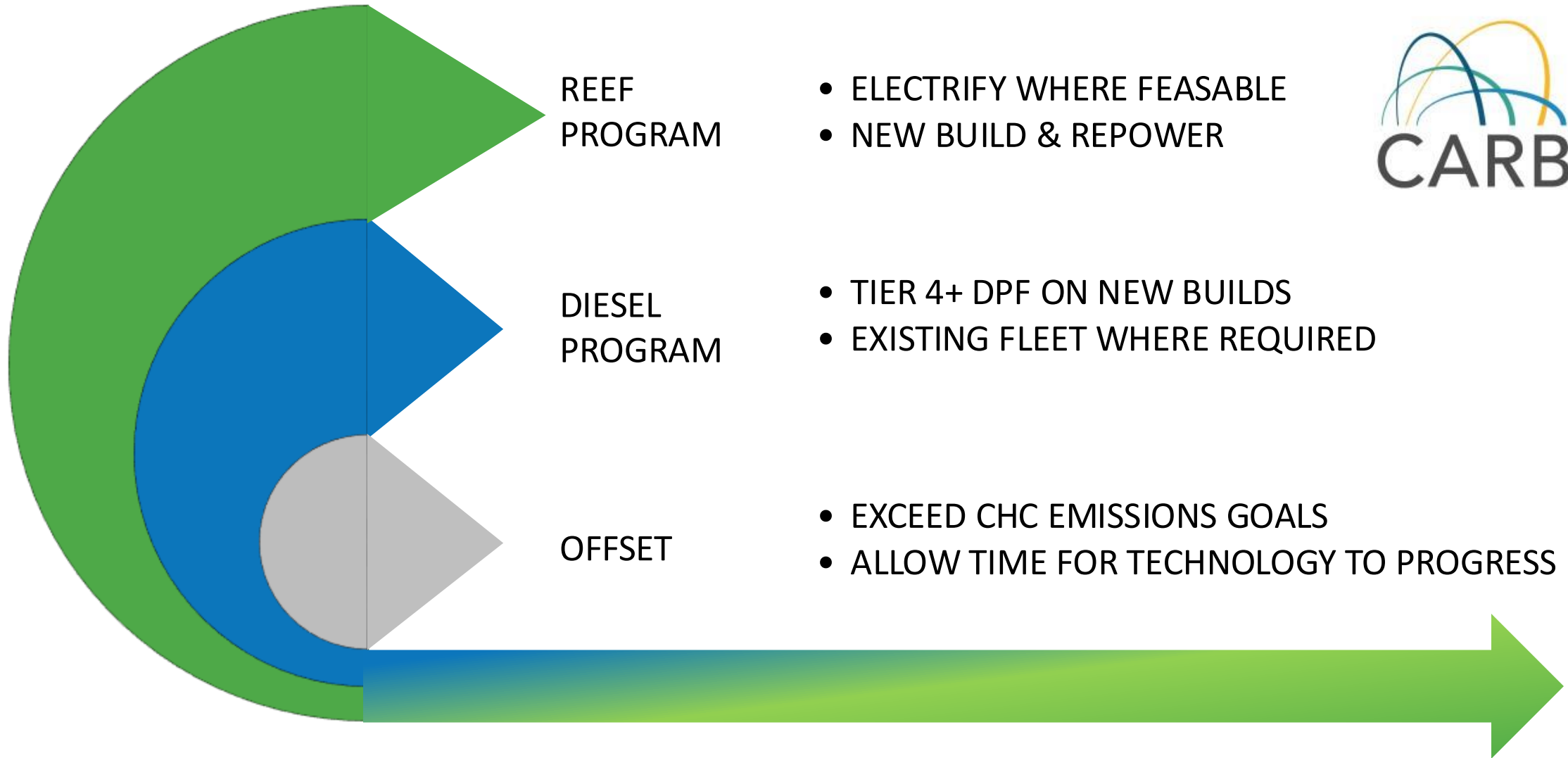
# Universal Charging Float Construction Contract Award

October 2025




*San Francisco Bay Ferry*

# ALTERNATIVE CONTROL OF EMISSIONS (ACE) PLAN

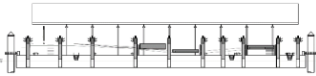


***Without the REEF Program we would have to repower or replace 90% of our fleet***

# REEF PHASE 1 & 2 IMPLEMENTATION

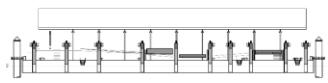
 **Float Mounted Charging System**

 **TREASURE ISLAND**

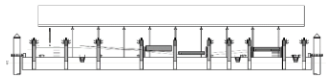
  
**NEW Universal Charging Floats**


  
**3 x NEW Small Vessels**

  
**2 x NEW Large Vessels**

  
**NEW Universal Charging Floats**

  
**1 x Hydrus Repower**

  
**1 x RETROFIT Universal Charging Float**

 **Float Mounted Charging System**

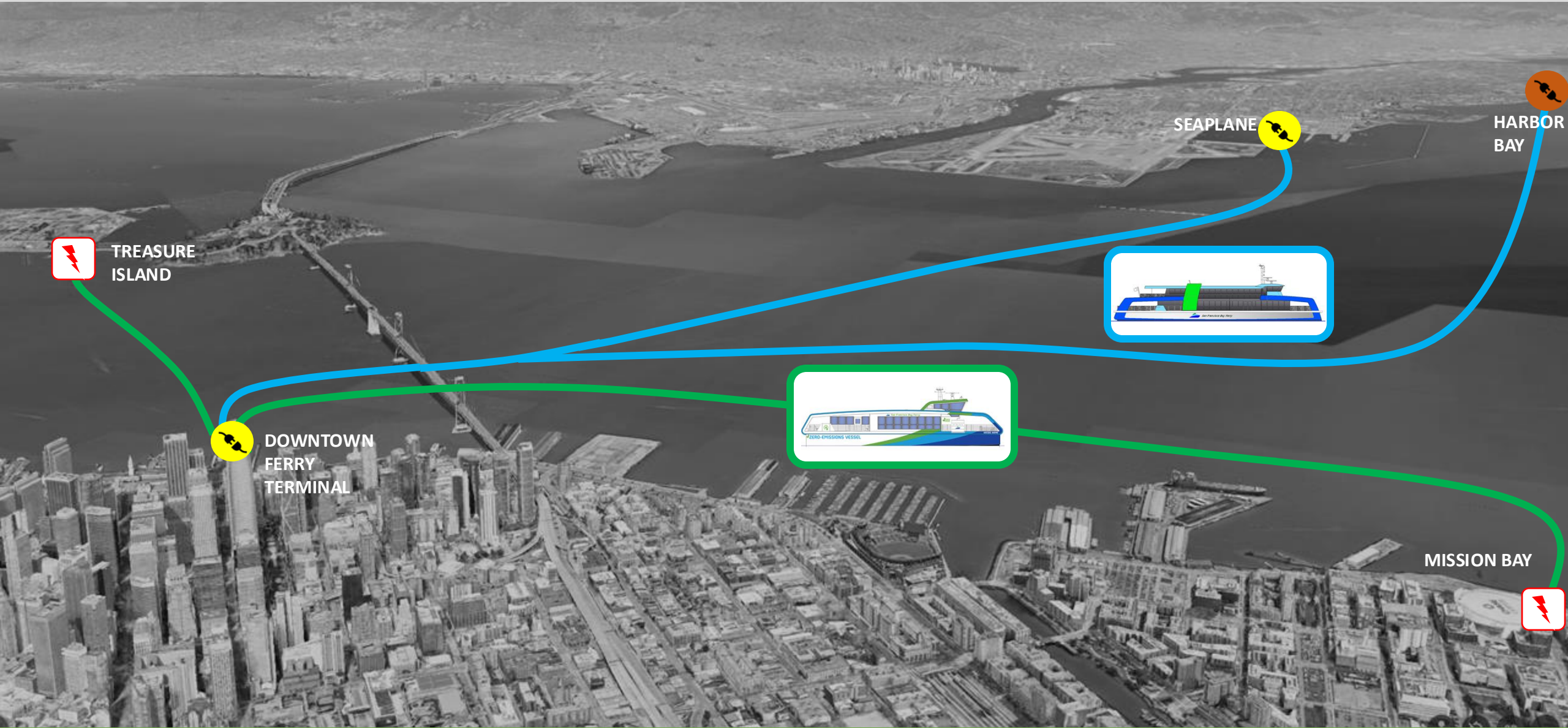
SEAPLANE 

 CBOMF

HARBOR BAY 

MISSION BAY 

# SERVICE ROUTES

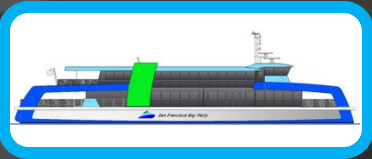


TREASURE ISLAND



DOWNTOWN FERRY TERMINAL

SEAPLANE



HARBOR BAY



MISSION BAY



# 150 PASSENGER REEF VESSEL

## Construction Contract Status:

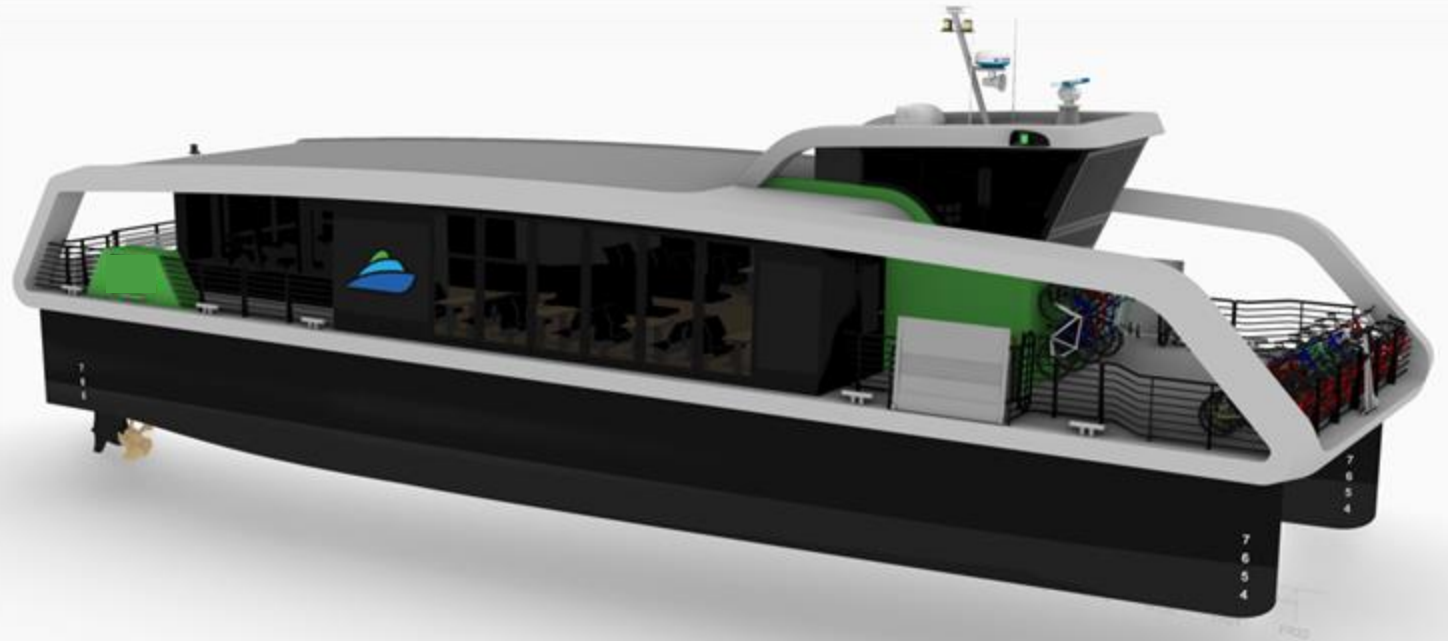
- Detailed Design Approved
- Production Design In Progress
- Construction starts Dec 2025

## Delivery Schedule:

- 1<sup>st</sup> Vessel: 2<sup>nd</sup> Quarter 2027
- 2<sup>nd</sup> Vessel: 2<sup>nd</sup> Quarter 2028
- 3<sup>rd</sup> Vessel: 4<sup>th</sup> Quarter 2028

## Charging System Requirement:

- Float Mounted Charging System or UCF
- Does Not Require UCF for Planned Routes



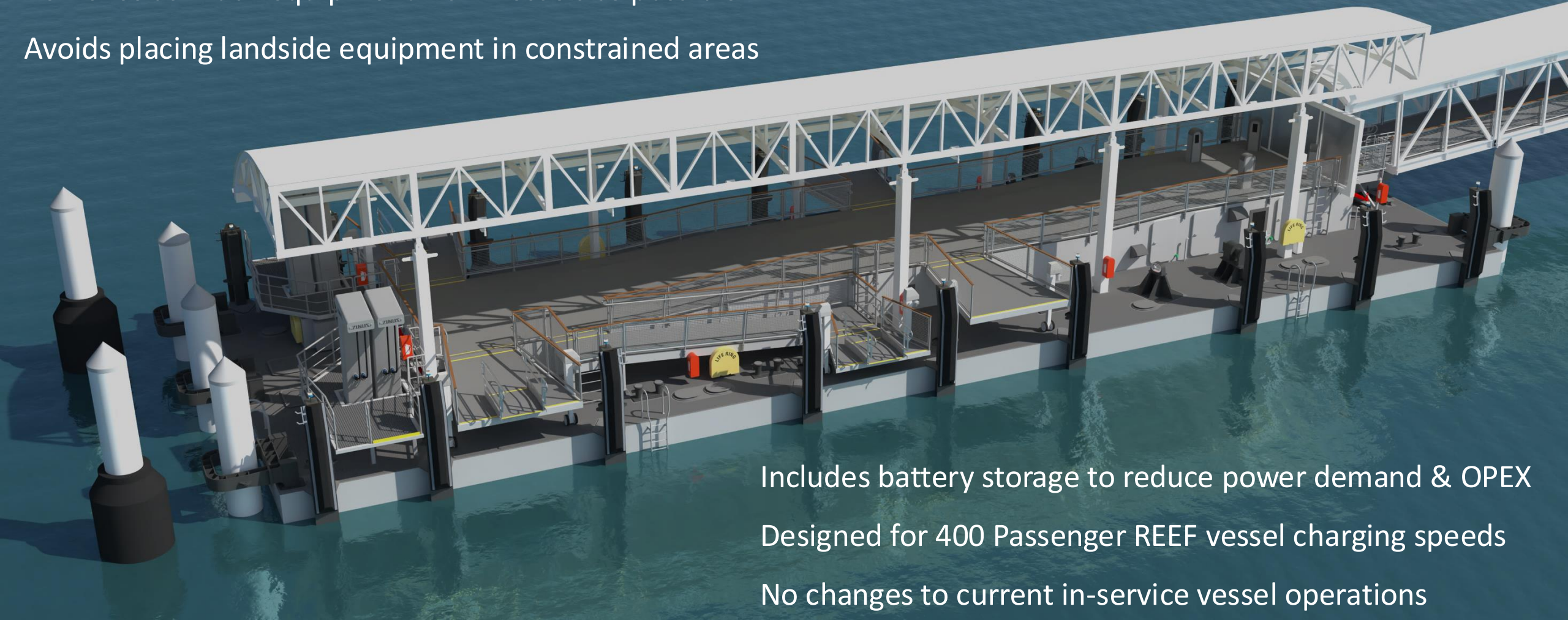


# UNIVERSAL CHARGING FLOAT CONCEPT REVIEW

Uses existing float footprint to house all charging system equipment

Removes as much equipment from vessels as possible

Avoids placing landside equipment in constrained areas



Includes battery storage to reduce power demand & OPEX

Designed for 400 Passenger REEF vessel charging speeds

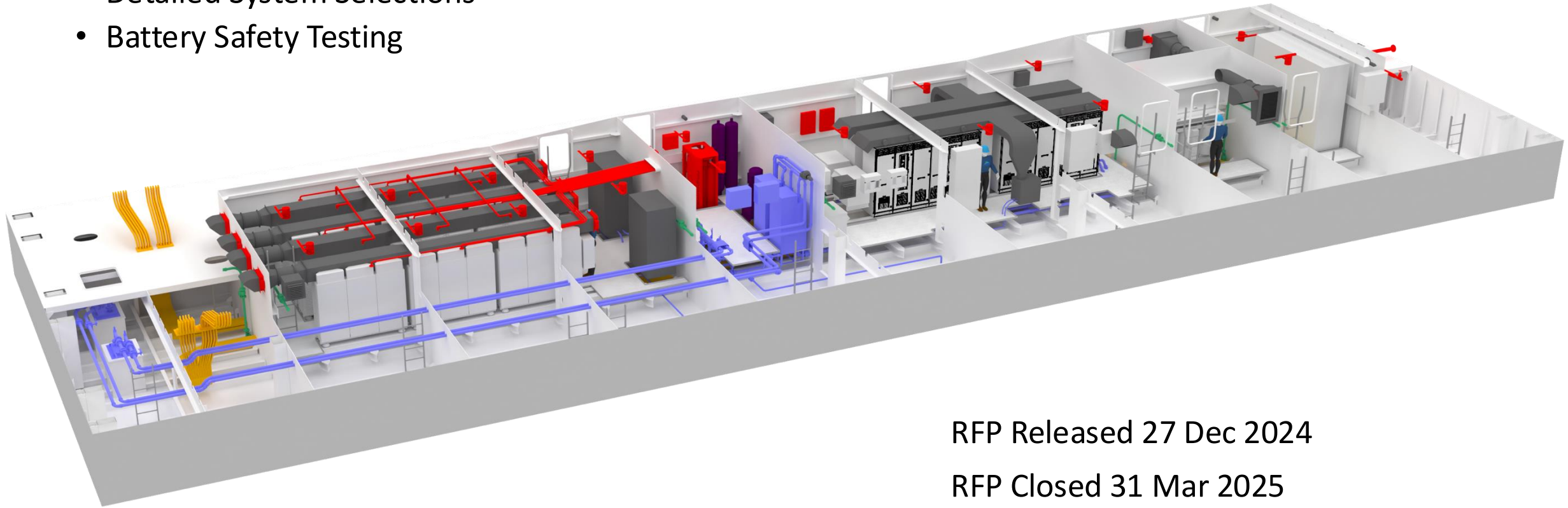
No changes to current in-service vessel operations

# UNIVERSAL CHARGING FLOAT SCOPE & SOLICITATION

*First of its kind combined system in floating structure*

Risk Mitigation Efforts:

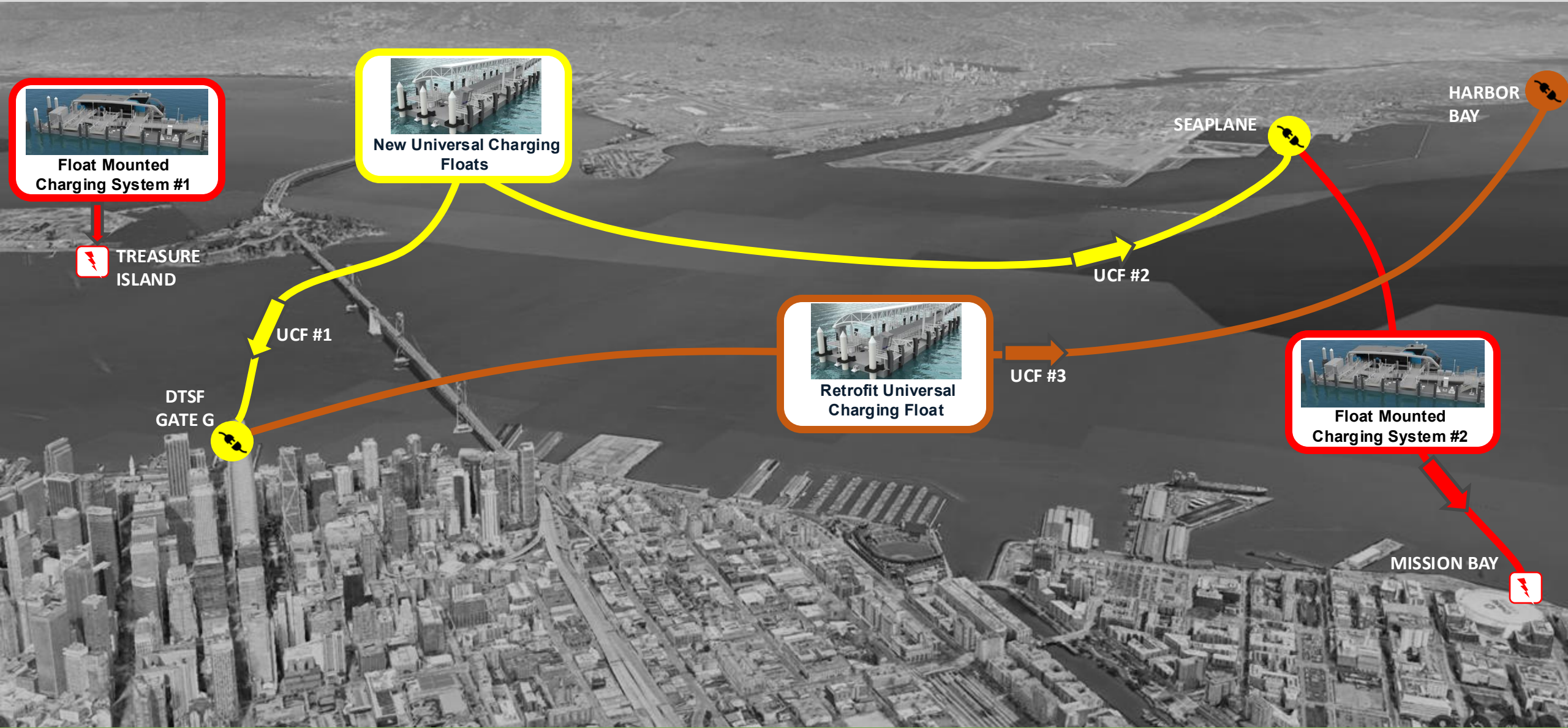
- Extensive Preliminary Design pre-RFP release
- Detailed System Selections
- Battery Safety Testing



RFP Released 27 Dec 2024

RFP Closed 31 Mar 2025

# CHARGING SYSTEM DELIVERY PLAN



# UNIVERSAL CHARGING FLOAT PROPOSALS

Proposer	Project Understanding & Approach	Proposer's Qualifications and Experience	Qualifications & Experience of Key Personnel	Total Price	Total Score	Cost Per UCF (averaged)
Possible Points	20	20	20	40	<b>100</b>	-
JT Marine	11.8	14.3	14.5	40	<b>79.3</b>	<b>\$23.26M</b>
Marine Group Boat Works	14.3	15	13.5	34.2	<b>77.0</b>	<b>\$27.18M</b>
Power Engineering Construction	14.5	16.3	15	31.1	<b>76.9</b>	<b>\$29.89M</b>



- Full-service repair & new build shipyard since 2007
- Located in Vancouver WA and Rainier OR
- UCF to be constructed at Rainier location
- Established team of support engineers, suppliers and contractors



# UCF COST ANALYSIS

## Summary of Final Submitted Price Proposals for UCF

Proposer	Price Proposal (4 - UCFs)	Average Price/UCF	% Difference from ICE
JT Marine	\$93.04M	\$23.26M	20.6%
Marine Group Boat Works	\$108.72M	\$27.18M	41.0%
Power Engineering Construction	\$119.56M	\$29.89 M	55.0%
<b>Independent Cost Estimate (ICE)</b>	<b>\$77.13M</b>	<b>\$19.28M</b>	

**Three key factors** explain higher-than-expected pricing:

- Price Volatility & Tariff Uncertainty for Commercial Products
- High Risk Associated with New Technology
- Regulatory Requirements Uncertainty

# REGULATORY OVERSIGHT & PERMITTING

BCDC permit approved for Downtown SF

Port of San Francisco has building permit jurisdiction over the 1<sup>st</sup> UCF

- Extensive preliminary review conducted
- Process to apply marine design and construction Rules in place
- 3<sup>rd</sup> Party Peer Reviewer with marine system expertise required
- Review kick off to start following award of Peer Reviewer contract
- Plan check to occur in concert with production design

City of Alameda has building permit jurisdiction over the 2<sup>nd</sup> UCF

- Initial agreement in place for use of marine design and construction rules.



## SCHEDULE OF DELIVERIES

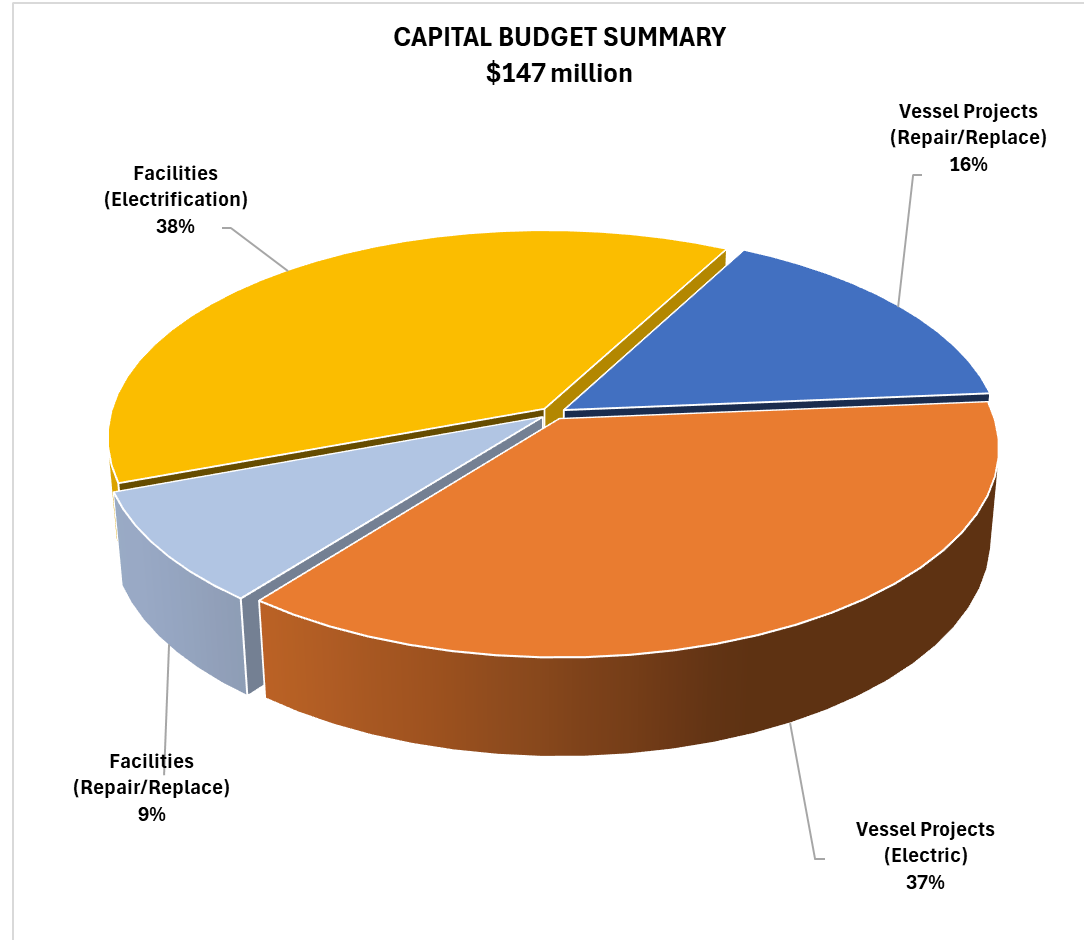
Universal Charging Floats	Delivery	Vessels	Delivery
UCF #1 to Gate G	2 <sup>nd</sup> Qtr 2027	400 Passenger REEF #1	3 <sup>rd</sup> Qtr 2027
UCF #2 to Seaplane*	4 <sup>th</sup> Qtr 2027	400 Passenger REEF #2	1 <sup>st</sup> Qtr 2028
Gate G Retrofit to Harbor Bay	2 <sup>nd</sup> Qtr 2028	Hydrus REEF	3 <sup>rd</sup> Qtr 2028

Float Mounted Charging	Delivery	Vessels	Delivery
Treasure Island FMCS Install	1 <sup>st</sup> Qtr 2027	150 Passenger REEF #1	2 <sup>nd</sup> Qtr 2027
Seaplane* FMCS Install to Mission Bay	1 <sup>st</sup> Qtr 2028	150 Passenger REEF #2	2 <sup>nd</sup> Qtr 2028
		150 Passenger REEF #3	4 <sup>th</sup> Qtr 2028

# BUDGET AND FUNDING

## APPROVED TOTAL CAPITAL BUDGET

- Total Program \$497 million
- FY2025/26 budget \$147 million



# BUDGET AND FUNDING

## Gate G Downtown UCF Project

Original Project Authorization: \$24 million

New Project Authorization: \$30 million

RM3 Funding: \$10.3

Recommendation: Approval of RM3 Allocation by MTC

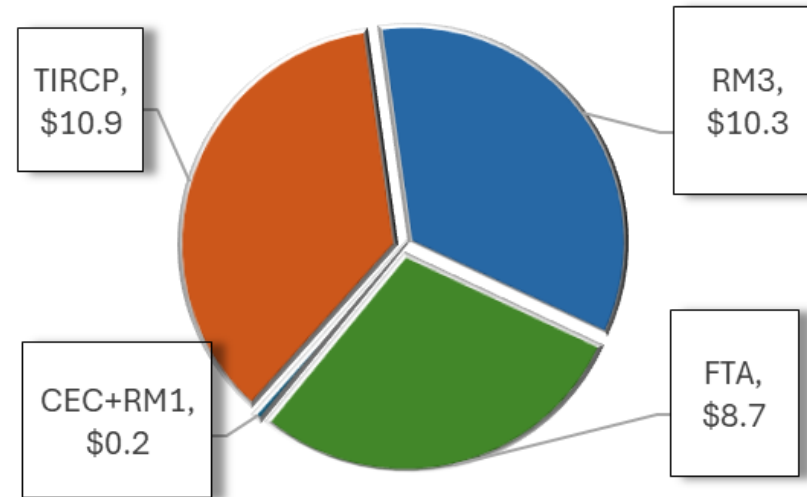
## Fiscal Year 2025/26 Change

Original Project Authorization: \$20.9 million

New Amount: \$12.5 million

Recommendation: Approval of Budget Revision

### Gate G Funding Mix (Millions)



# BUDGET AND FUNDING

## Seaplane UCF Project

Original Project Authorization: \$17.3 million

New Project Authorization: \$28.4 million

RM3 Funding: \$16.2

Recommendation: Approval of RM3 Allocation by MTC

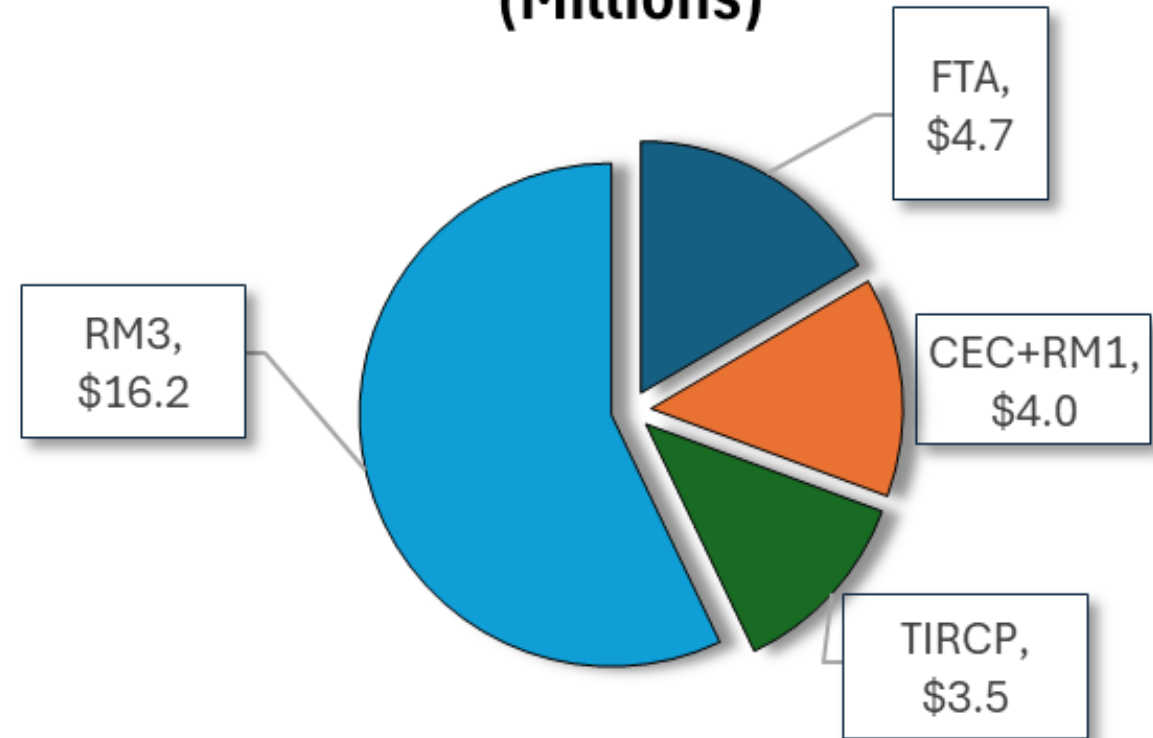
## Fiscal Year 2025/26 Change

Original Project Authorization: \$6.6 million

New Amount: \$11.0 million

Recommendation: Approval of Budget Revision

## SEAPLANE FUNDING MIX (Millions)



Thank you