Woods Hole Oceanographic Institution

Financial Statements December 31, 2024 and 2023

Woods Hole Oceanographic Institution Index

December 31, 2024 and 2023

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Report of Independent Auditors

To the Board of Trustees of Woods Hole Oceanographic Institution

Opinion

We have audited the accompanying financial statements of Woods Hole Oceanographic Institution (the "Institution"), which comprise the statements of financial position as of December 31, 2024 and 2023, and the related statements of activities for the year ended December 31, 2024, and of cash flows for the years ended December 31, 2024 and 2023, including the related notes (collectively referred to as the "financial statements").

In our opinion, the accompanying financial statements present fairly, in all material respects, the financial position of the Institution as of December 31, 2024 and 2023, the changes in its net assets for the year ended December 31, 2024, and its cash flows for the years ended December 31, 2024 and 2023 in accordance with accounting principles generally accepted in the United States of America.

Basis for Opinion

We conducted our audit in accordance with auditing standards generally accepted in the United States of America (US GAAS). Our responsibilities under those standards are further described in the Auditors' Responsibilities for the Audit of the Financial Statements section of our report. We are required to be independent of the Institution and to meet our other ethical responsibilities, in accordance with the relevant ethical requirements relating to our audit. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Other Matter

We previously audited the statement of financial position as of December 31, 2023, and the related statements of activities and of cash flows for the year then ended (the statement of activities is not presented herein), and in our report dated July 22, 2024, we expressed an unmodified opinion on those financial statements. In our opinion, the information set forth in the accompanying summarized financial information for the year then ended is consistent, in all material respects, with the audited financial statements from which it has been derived.

Responsibilities of Management for the Financial Statements

Management is responsible for the preparation and fair presentation of the financial statements in accordance with accounting principles generally accepted in the United States of America, and for the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the financial statements, management is required to evaluate whether there are conditions or events, considered in the aggregate, that raise substantial doubt about the Institution's ability to continue as a going concern for one year after the date the financial statements are issued.



Auditors' Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditors' report that includes our opinion. Reasonable assurance is a high level of assurance but is not absolute assurance and therefore is not a guarantee that an audit conducted in accordance with US GAAS will always detect a material misstatement when it exists. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control. Misstatements are considered material if there is a substantial likelihood that, individually or in the aggregate, they would influence the judgment made by a reasonable user based on the financial statements.

In performing an audit in accordance with US GAAS, we:

- Exercise professional judgment and maintain professional skepticism throughout the audit.
- Identify and assess the risks of material misstatement of the financial statements, whether due to fraud or error, and design and perform audit procedures responsive to those risks. Such procedures include examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements.
- Obtain an understanding of internal control relevant to the audit in order to design audit
 procedures that are appropriate in the circumstances, but not for the purpose of expressing an
 opinion on the effectiveness of the Institution's internal control. Accordingly, no such opinion is
 expressed.
- Evaluate the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluate the overall presentation of the financial statements.
- Conclude whether, in our judgment, there are conditions or events, considered in the aggregate, that raise substantial doubt about the Institution's ability to continue as a going concern for a reasonable period of time.

We are required to communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audit, significant audit findings, and certain internal control-related matters that we identified during the audit.

Other Information

Management is responsible for the other information included in the annual report. The other information comprises Woods Hole Oceanographic Institution Financial Report, but does not include the financial statements and our auditor's report thereon. Our opinion on the financial statements does not cover the other information, and we do not express an opinion or any form of assurance thereon.

In connection with our audit of the financial statements, our responsibility is to read the other information and consider whether a material inconsistency exists between the other information and the financial statements or the other information otherwise appears to be materially misstated. If, based on the work performed, we conclude that an uncorrected material misstatement of the other information exists, we are required to describe it in our report.

Boston, Massachusetts

ricewothhouse Coopers LLP

July 23, 2025

Woods Hole Oceanographic Institution Statements of Financial Position December 31, 2024 and 2023

		2024		2023
Assets				
Cash and cash equivalents, unrestricted	\$	17,963,621	\$	9,308,063
Cash and cash equivalents, restricted		24,230,977		36,508,259
Billed accounts receivable (net of provision for expected credit losses)		4,509,964		4,789,805
Unbilled accounts receivable		28,089,897		32,774,952
Receivable for investments sold		29,097,729		171,089,941
Other receivables		717,878		839,609
Inventory		3,035,514		3,433,344
Deferred charges and prepaid expenses		4,040,823 49,516,591		6,446,888 52,170,437
Pledges receivable, net (Note 5) Right of use asset		112,025		189,018
Investments designated for retiree and active		112,023		109,010
medical plans (Note 3 & 10)		8,594,217		8,866,786
Investments, pooled (Note 3)		495,252,918		323,431,125
Other assets		5,174,903		5,309,108
		670,337,057		655,157,335
Property, plant and equipment				
Land, buildings and improvements		245,836,592		233,742,048
Vessels and dock facilities		27,361,386		25,286,712
Laboratory and other equipment		60,873,120		53,728,911
Construction in process		4,008,983		5,797,968
		338,080,081		318,555,639
Accumulated depreciation		(215,770,624)		(199,646,739)
Net property, plant and equipment	_	122,309,457		118,908,900
Contributions receivable from remainder trusts,				
long-term, net (Note 6)		1,088,691		942,506
Total assets	\$	793,735,205	\$	775,008,741
Liabilities				
Accounts payable and other liabilities	\$	26,974,795	\$	28,178,399
Accrued payroll and related liabilities		16,635,260		14,083,224
Deferred revenue and refundable advances		897,320		3,097,143
Deferred fixed rate variance (Note 7)		10,435,512		3,306,200
Right of use liability		112,025		189,018
Accrued postretirement liability (Note 10)		20,210,592		19,601,470
Accrued pension liability (Note 9)		16,842,385		37,505,068
Bonds payable (Note 8)	_	74,543,569	_	76,482,751
Total liabilities	_	166,651,458	_	182,443,273
Net assets				
Without donor restrictions		85,891,674		70,486,409
With donor restrictions	_	541,192,073	_	522,079,059
Total net assets	_	627,083,747	_	592,565,468
Total liabilities and net assets	\$	793,735,205	\$	775,008,741

Woods Hole Oceanographic Institution Statement of Activities Year Ended December 31, 2024

With Summarized Financial Information for the Year Ended December 31, 2023

	Without Donor Restrictions	With Donor Restrictions	2024	2023
Revenues				
Sponsored research				
Government	\$ 185,849,590	_	\$ 185,849,590	\$ 183,498,494
Ships and submersibles operations	47,316,451	_	47,316,451	38,746,902
Subcontracts and nongovernment	27,222,803	40,139,231	67,362,034	69,846,625
Sponsored research assets released to operations	46,259,155	(46,259,155)	· · · · -	-
Fixed price awards	957,238	-	957,238	947,025
Education	·			·
Joint program income	9,090,920	-	9,090,920	8,446,531
Endowment income	-	9,771,870	9,771,870	9,700,986
Education funds released from restriction	11,028,645	(11,028,645)	-	-
Education fees	412,450	-	412,450	368,303
Contributions and gifts	7,156,424	26,819,594	33,976,018	47,892,925
Contributions in kind	1,192,667	-	1,192,667	643,333
Investment return designated for current operations	4,534,113	-	4,534,113	4,395,044
Releases from restrictions	-	(17,880,466)	(17,880,466)	(24,770,676)
Fees	1,286,424	-	1,286,424	1,277,263
Rental income	559,897	-	559,897	552,800
Communication and publications	529,348	-	529,348	520,840
Designated net assets appropriated	3,166,667	-	3,166,667	-
Other	2,502,446	-	2,502,446	2,332,036
Total revenues	349,065,238	1,562,429	350,627,667	344,398,430
Expenses				
Research	244,975,321	-	244,975,321	234,399,286
Marine operations	14,356,226	-	14,356,226	14,032,119
Academic programs	17,044,370	-	17,044,370	15,210,585
Other Institution activities	20,335,773	-	20,335,773	20,165,001
Unsponsored research	9,846,317	-	9,846,317	6,937,159
Ships and submersibles	47,316,451		47,316,451	38,746,902
Total expenses	353,874,458		353,874,458	329,491,052
Change in net assets from operating activities	(4,809,220)	1,562,429	(3,246,791)	14,907,378
Nonoperating revenue and expenses				
Investment return greater than amounts designated				
for sponsored research, education and current operations	3,413,216	16,597,617	20,010,833	26,536,777
Return on investments for retiree and active medical plans	771,001	-	771,001	1,684,136
Change in split interest agreements	98,540	156,202	254,742	620,143
Other nonoperating income/(expenses)	(61,567)	371,013	309,446	(51,936)
Designated net assets appropriated	(3,166,667)	-	(3,166,667)	-
Gifts for plant	-	425,753	425,753	_
Net periodic benefit income	5,741,740	-	5,741,740	5,577,629
Pension and post-retirement related changes other	-,,-		-, ,	-,,
than net periodic benefit costs (Note 9 & Note 10)	13,418,222		13,418,222	(5,938,847)
Change in net assets from nonoperating activities	20,214,485	17,550,585	37,765,070	28,427,902
Total change in net assets	15,405,265	19,113,014	34,518,279	43,335,280
Net assets at				
Beginning of year	70,486,409	522,079,059	592,565,468	549,230,188
End of year	\$ 85,891,674	\$ 541,192,073	\$ 627,083,747	\$ 592,565,468

	2024	2023
Cash flows from operating activities		
Total change in net assets	\$ 34,518,279	\$ 43,335,280
Adjustments to reconcile total change in net assets		
to net cash used in operating activities	40.047.744	40.040.407
Depreciation Amortization	16,647,711 (514,182)	12,348,127 (528,336)
Change in split interest agreements	(254,740)	(620,143)
Allowance for uncollectible pledges	(108,189)	1,064,708
Discount on pledges	(787,224)	915,397
Net realized and unrealized (gain)/loss on investments	(43,758,861)	(51,369,514)
Net realized and unrealized (gain)/loss on contributions to investments	582,716	-
Pension related changes other than net periodic pension costs Contributions to be used for long-term investment	(13,418,222) (9,553,801)	5,938,847 (2,091,371)
Receipt of contributed securities	(4,537,444)	(193,908)
Liquidation of contributed securities	4,537,444	193,908
(Increase) decrease in assets		
Reimbursable costs and fees		
Billed	279,841	3,315,408
Unbilled Other receivables	4,685,055 121,731	(12,364,539) 38,347
Pledges receivable	3,549,260	(15,140,938)
Inventory	397,832	(166,119)
Deferred charges and prepaid expenses	2,406,064	(652,469)
Other assets	(2,048,510)	342,571
Remainder trusts	(146,185)	(118,693)
Increase (decrease) in liabilities	(0.005.040)	(0.205.040)
Accrued pension and postretirement liability Accounts payable and other liabilities	(6,635,340) (151,031)	(6,395,640) 7,534,920
Accounts payable and other habilities Accrued payroll and related liabilities	2,552,035	1,084,465
Deferred revenue and refundable advances	(2,199,823)	1,596,018
Deferred fixed rate variance	7,129,311	(897,523)
Net cash used in operating activities	(6,706,273)	(12,831,197)
Cash flows from investing activities		
Other assets		
Contribution to investment	-	(1,600,000)
Capital expenditures	(40.040.400)	(0.075.004)
Additions to property, plant and equipment Bond proceeds	(19,246,102)	(9,975,661)
Proceeds used for property, plant and equipment, net	_	1,573,237
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Endowment and other	(477.070.404)	(44,005,000)
Purchase of investments Sale of investments	(177,979,164) 49,145,232	(41,825,622) 211,002,986
Receivable for investments sold	141,992,212	(148,844,385)
Proceeds from the sale of investments designated for retiree	,	(, , ,
and active medical plans	1,043,570	2,214,296
Net cash used in investing activities	(5,044,252)	12,544,851
Cash flows from financing activities		
Repayments under debt agreement	(1,425,000)	(1,360,000)
Contributions to be used for long-term investment	9,553,801	2,091,371
Net cash provided by financing activities	8,108,801	731,371
Net (decrease) increase in cash and cash equivalents	(3,621,724)	444,025
Cash and cash equivalents		
Beginning of year	45,816,322	45,371,297
End of year	<u>\$ 42,194,598</u>	\$ 45,816,322
Supplemental disclosures	. 	A 0.501.005
Cash paid for interest	\$ 3,431,375	\$ 3,501,000
Noncash activity Construction in process additions remaining in accounts payable	1,470,925	673,091
Contributed securities	4,537,444	193,908
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1. Background

Woods Hole Oceanographic Institution (the "Institution") is a private, independent not-for-profit research and educational institution located in Woods Hole, Massachusetts. Founded in 1930, the Institution is dedicated to advancing knowledge of the ocean and its interaction with the Earth system through a sustained commitment to excellence in science, engineering, and education and to the application of this knowledge to problems facing society.

The Institution is a qualified tax-exempt organization under Section 501(c)(3) of the Internal Revenue Code as it is organized and operated for education and scientific purposes.

2. Summary of Significant Accounting Policies

Basis of Presentation

The accompanying financial statements have been prepared on the accrual basis and in accordance with accounting principles generally accepted in the United States of America.

The financial statements include certain prior-year summarized comparative information in total but not by net asset class. Such information does not include sufficient detail to constitute a presentation in conformity with accounting principles generally accepted in the United States of America. Accordingly, such information should be read in conjunction with the Institution's audited financial statements for the year ended December 31, 2023, from which the summarized information was derived.

Net assets, revenues, and realized and unrealized gains and losses are classified based on the existence or absence of donor-imposed restrictions and legal restrictions imposed under Massachusetts State law. Accordingly, net assets and changes therein are classified as follows:

Net Assets With Donor Restrictions

Donor-imposed restricted net assets are subject to donor-imposed stipulations that they be maintained by the Institution in perpetuity, or may or will be met by actions of the Institution and/or the passage of time. Generally, the donors of donor-restricted endowment funds permit the Institution to use all or part of the income earned and capital appreciation, if any, on related investments for general or specific purposes. Assets in an endowment fund are donor restricted assets until the Institution appropriates and spends such sums in accordance with the terms of the underlying endowment funds and in accordance with Massachusetts law, at which time they will be released to revenues without donor restrictions.

Net Assets Without Donor Restrictions

Net assets without donor restrictions are not subject to donor-imposed stipulations. Revenues are reported as increases in net assets without donor restrictions unless use of the related assets is limited by donor-imposed restrictions with the exception of certain investment expenses which are required to be netted against investment return. Expenses are reported as decreases in net assets without donor restrictions. Gains and losses on investments and other assets or liabilities are reported as increases or decreases in net assets without donor restrictions unless their use is restricted by explicit donor stipulations or law. Expirations of net assets with donor restrictions, that is, the donor-imposed stipulated purpose has been accomplished and/or the stipulated time period has elapsed, are reported as releases between the applicable classes of net assets. Amounts received for sponsored research are reflected in sponsored research revenue and released to

operations when spent for the appropriate purpose, or as deferred revenue if expenditures have yet to be incurred.

Contributions

Contributions, including promises to give, are recognized as revenues in the period received. Contributions subject to donor-imposed stipulations that are met in the same reporting period are reported as support without donor restrictions. Promises to give that are scheduled to be received after the balance sheet date or are subject to donor-imposed stipulations are shown as increases in net assets with donor restrictions and are released to net assets without donor restrictions when the purpose or restriction is met. Promises to give, subject to donor-imposed stipulations that the corpus be maintained in perpetuity, are recognized as increases in net assets with donor restrictions. Conditional promises to give are not recognized until the conditions on which they depend are substantially met. Contributions other than cash are generally recorded at market value on the date of the gift (or an estimate of fair value); although certain noncash gifts, for which a readily determinable market value cannot be established, are recorded at a nominal value until such time as the value becomes known. Contributed securities are sold immediately upon receipt. Contributions to be received after one year are discounted at the appropriate rate commensurate with risk. Amortization of such discount is recorded as additional contribution revenue in accordance with restrictions imposed by the donor on the original contribution, as applicable. Amounts receivable for contributions are reflected net of an applicable reserve for collectability.

The Institution reports contributions in the form of land, buildings, or equipment as operating support without donor restrictions at fair market value when received.

Dividends, interest and net gains on investments of endowment and similar funds are reported as follows:

- As increases in net assets with donor restrictions if the terms of the gift require that they be added to the principal of a donor restricted endowment fund;
- As increases in net assets with donor restrictions if the terms of the gift or relevant state law impose restrictions on the current use of the income or net realized and unrealized gains until they are appropriated for expenditure and/or the purpose restrictions are met; and
- As increases in net assets without donor restrictions in all other cases.

Operations

The statement of activities reports the Institution's operating and nonoperating activities. Operating revenues and expenses consist of those activities attributable to the Institution's current annual research or educational programs, all gifts received, charter income, and a component of endowment income appropriated for operations (Note 3). Endowment investment income, gains and losses, from endowment funds without donor restrictions, over or under the amount appropriated under the Institution's spending plan are reported as nonoperating revenue (expense) as investment return in excess of (less than) amounts designated for sponsored research, education and current operations.

Nonoperating revenues (expenses) also include the change in value of split interest agreements and the net periodic pension income (cost) on the noncontributory defined benefit pension plan that is not reimbursed through negotiated fixed rate agreements with the federal government.

Additionally, nonoperating activities include redesignation of donor gifts, depreciation on certain government-funded facilities and pension related changes other than net periodic pension costs.

As a result of an amendment to the postretirement health plan, in 2012 and forward, the Institution recognizes the return on investments designated for retiree and active medical plan expenses, and actual active and retiree medical expenses as nonoperating activities when these expenses are funded by withdrawals from the postretirement plan (Note 10).

Cash and Cash Equivalents

Cash and cash equivalents consist of cash, money market accounts, certificates of deposit and overnight repurchase agreements with initial maturities of three months or less when purchased which are stated at cost, which approximates market value.

The Institution has elected to treat all short-term highly liquid investments, (i.e., cash equivalents), embedded in pooled investments, investments designated for retiree and active medical plans and split interest agreements as short-term investments.

The Institution invests its cash and cash equivalents in money market funds at a financial institution which fully insures the balances held.

Included in restricted cash at December 31, 2024 and 2023, respectively, are advances received from the United States Navy, other U.S. Government and state agencies as well as contributions from donors who have restricted money for specific research initiatives. Interest earned on unspent funds from federal agencies is remitted to the federal government. Restricted cash also includes Board designated cash and is detailed in the table below:

	2024	2023
US Navy & Other Government Advances	\$ 23,937,329	\$ 34,829,163
Massachusetts Radiation Control	293,648	282,324
Cape Cod 5 Endowment Cash	-	702,857
Board designated cash		 693,915
Total cash and cash equivalents, restricted	\$ 24,230,977	\$ 36,508,259

The following table provides a reconciliation of cash, cash equivalents and restricted cash reported within the statements of financial position that sum to the total of the same such amounts presented in the statements of cash flows.

	2024	2023
Cash and cash equivalents, unrestricted Cash and cash equivalents, restricted	\$ 17,963,621 24,230,977	\$ 9,308,063 36,508,259
Total cash, cash equivalents and restricted cash in the statement of cash flows	\$ 42,194,598	\$ 45,816,322

Investments

Investment securities are carried at market value and determined as follows: securities traded on a national securities exchange are valued at the last reported sales price on the last business day of

the year; securities traded in the over-the-counter market and listed securities for which no sales prices were reported on that day are valued at closing bid prices. The value of publicly traded securities or mutual funds are based upon quoted market prices and net asset values. Other investments, such as private equity funds, venture capital funds and hedge funds for which no such quotations or valuations are readily available, are carried at fair value as estimated by management using values provided by external investment managers. The Institution reviews and evaluates the valuations provided by investment managers and believes that these valuations are a reasonable estimate of fair value as of December 31, 2024 and 2023 but are subject to uncertainty and therefore, may differ from the value that would have been used had a ready market for the investments existed and such differences could be material.

Purchases and sales of investment securities are recorded on a trade date basis. Realized gains and losses are computed on a specific identification method. Investment income, net of investment expenses, is distributed on the unit method.

The Institution makes investments in funds that make direct investments in public securities, over the counter securities, and other securities which may or may not have readily available market prices. The Institution follows authoritative guidance under generally accepted accounting principles for estimating the fair value of investments in those funds that have calculated net asset value per share in accordance with the specialized accounting guidance for investment companies. Accordingly, the Institution uses the net asset value, (NAV) without further adjustment as a practical expedient to determine the fair value of these funds which (a) do not have a readily determinable fair value and (b) either have the attributes of an investment company or prepare their financial statements consistent with the measurement principles of an investment company. These values are reviewed and approved by the Institution.

Investment Income Unitization

The Institution's investments are pooled in an endowment fund and the investments and allocation of income are tracked on a unitized basis. The Institution distributes to operations for each individual fund an amount of investment income earned by each of the fund's proportionate share of investments based on a total return policy.

The Board of Trustees has appropriated all of the income and a specified percentage of the net appreciation (depreciation) to operations as prudent considering the Institution's long- and shortterm needs, present and anticipated financial requirements, expected total return on its investments, price level trends, and general economic conditions. Under the Institution's current endowment spending policy, which is within the guidelines specified under state law, the Institution's annual operating budget should not exceed 5.0% of the Fund's (pooled investments) trailing 36 month rolling average market value. This amounted to \$22,547,000 and \$22,244,000 for the years ended December 31, 2024 and 2023, respectively, and is classified in operating revenues (research, education, and operations). The Institution is subject to the Massachusetts Uniform Prudent Management of Institutional Funds Act (UPMIFA) and, thus, classifies amounts in its donor-restricted endowment funds as net assets with donor restrictions because those net assets are time restricted until the Board of Trustees appropriates such amounts for expenditure. Most of those net assets also are subject to purpose restrictions that must be met before reclassifying those net assets to net assets without donor restrictions. The Board of Trustees has interpreted UPMIFA as not requiring the maintenance of purchasing power of the original gift amount contributed to an endowment fund, unless a donor stipulates the contrary. As a result of this interpretation, when reviewing its donor-restricted endowment funds the Institution considers a fund to be underwater if the fair value of the fund is less than the sum of (a) the original value of initial and subsequent gift amounts donated to the fund and (b) any accumulations to the fund that are required to be maintained in perpetuity in accordance with the direction of the applicable donor

Woods Hole Oceanographic Institution Notes to Financial Statements

December 31, 2024 and 2023

gift instrument. The Institution has interpreted UPMIFA to permit spending from underwater funds in accordance with the prudent measures required under the law. From time to time, the fair value of assets associated with individual donor-restricted endowment funds may fall below the level that the donor requires the Institution to retain as a fund of perpetual duration. There were no underwater endowment funds at December 31, 2024.

Other Assets

Other assets consist of investments held by various split-interest agreements, donated property, and cash equivalents with a maturity date greater than ninety days.

Inventories

Inventories are stated at the lower of cost or net realizable value. Cost is determined using the first-in, first-out method. Included in inventories are costs associated with the construction of engineered equipment under contracts totaling \$384,924 and \$619,140 at December 31, 2024 and 2023, respectively.

Contracts and Grants

Revenue earned on grants for research is recognized as related costs are incurred. Revenue on contracts is recognized as value is transferred to customers, which is comparable to when related costs are incurred for research and research and development contracts. For engineered equipment contracts, revenue is recognized at a point in time when the equipment is delivered.

The Institution received 83% and 85% of its sponsored research revenues from government agencies including 52% and 49% of its operating revenues directly from the National Science Foundation and 10% and 13% from the United States Navy in fiscal years 2024 and 2023, respectively. Although applications for research funding to federal agencies historically have been funded, authorizations are subject to annual Congressional appropriations and payment.

Joint Program Revenue

The Institution operates a joint graduate program in Oceanography with another institution under a memorandum of agreement. Tuition is charged to students per semester at agreed upon rates.

Other Income

Included in other income is royalty, investment and charter income.

Deferred Financing Costs

Costs incurred in connection with the placement of the MassDevelopment, Revenue Bonds, Woods Hole Oceanographic Institution Issue, Series 2018, have been deferred and are being amortized over the term of the obligation on a straight-line basis, which approximates the effective interest method. The unamortized portion of the deferred financing costs are included in the offset to long-term debt on the statement of financial position.

Property, Plant and Equipment

Property, plant and equipment are stated at cost. Depreciation is provided on a straight-line basis at annual rates of 12 to 39 years on buildings and improvements, 10 to 15 years on vessels and dock facilities and 5 to 10 years on laboratory and other equipment. Depreciation expense on property, plant, and equipment purchased by the Institution in the amounts of \$16,054,010 and \$12,278,251 in 2024 and 2023, respectively, has been charged to operating activities. Depreciation on certain government-funded facilities (the Laboratory for Marine Science and the dock facility) amounting to \$51,936 in 2024 and 2023, respectively, has been charged to nonoperating expenses as these assets were gifted by the Government.

Woods Hole Oceanographic Institution Notes to Financial Statements

December 31, 2024 and 2023

Leases

The Institution leases portions of certain buildings to others under arrangements that are classified as operating leases. The term of these two agreements does not exceed five years. Annual rental income under these agreements is \$379,358 for the years ended December 31, 2024 and 2023, respectively. Income under other operating agreements totaled \$85,577 and \$104,498 for the years ended December 31, 2024 and 2023, respectively. Operating leases are included in right of use assets and right of use lease liabilities in the Institution's statement of financial position at December 31, 2024 and 2023.

Expenses

Expenses are recognized when incurred and charged to the functions to which they are directly related. Sponsored research includes general research, marine operations research and services and ship and submersible operation and usage. Academic programs costs are associated primarily with the Joint program. Unsponsored research includes internally funded research activities of the Institution. Other institutional activities include development, communications, marine operations support and other unsponsored activities.

Included in other institution activities are fund raising expenses totaling \$5,329,205 and \$4,538,200 for the years ended December 31, 2024 and 2023. Fund raising expenses totaled approximately 26% and 9% of revenue from contributions for the years ending December 31, 2024 and 2023. The calculation includes costs associated with the Institution's Development Office, (including direct support activities) and the Contributions and gifts total presented on the statement of activities (excluding Contributions in kind).

Use of Estimates

The preparation of the financial statements in accordance with accounting principles generally accepted in the United States of America requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities and the disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the period. Actual results could differ from those estimates.

New Accounting Pronouncements

In June 2016, The FASB issued ASU No.2016-13 Measurement of Credit Losses on Financial Instruments (Topic 326), which replaces the current GAAP incurred loss impairment methodology with one that reflects expected credit losses and requires consideration of a broader range of reasonable and supportable information to inform credit loss estimates. The amendments in this Update for the Institution are effective for the year ended December 31, 2023.

The Institution's accounts receivable is reported at an amount equal to the amount that is expected to be collected for providing services to customers. Because accounts receivable is typically paid for by highly-solvent, creditworthy payors, such as government agencies, credit losses are infrequent and insignificant in nature; as such, the Institution generally does not recognize a provision for expected credit losses. Amounts recognized for expected credit losses are immaterial to the financial statements.

3. Investments

In January 2024, the Institution engaged a new Outsourced Chief Investment Officer (OCIO). As part of the transition, approximately 52% of the endowment investments remained in a side pocket

within an investment fund managed by the prior OCIO. These assets are shown in Venture Capital and Partnerships in the Endowment Asset Table.

The following table presents the classification and carrying value of investments at December 31:

	Market				
	•	2024		2023	
Assets					
Cash and cash equivalents	\$	55,214,415	\$	3,821,904	
Government Bonds		27,056,642		-	
Exchange Traded Funds		15,018,358		-	
Futures Contracts		14,089		-	
Venture Capital and Partnerships		297,061,165		-	
Hedge Funds		100,888,249		-	
Multi-strategy Investment Funds - Short-term					
Liquidity Funds		-		25,012,610	
Multi-strategy Investment Funds - WHOI Investment Holdings, LP	_	-		294,596,611	
Total investments pooled		495,252,918		323,431,125	
Investments designated for retiree and active medical plans					
Commingled funds		8,594,217		8,866,786	
Total investments designated for retiree				_	
and active medical plans		8,594,217	_	8,866,786	
Total investments at fair value	\$	503,847,135	\$	332,297,911	

The following schedule summarizes the investment return and its classification in the statement of activities:

	 thout Donor estrictions	With Donor Restrictions			Total 2024
Change in unrealized appreciation Change in realized appreciation	\$ 6,927,396 1,019,933	\$	30,176,248 4,434,256	\$	37,103,644 5,454,189
Total return on investments	 7,947,329		34,610,504		42,557,833
Investment return designated for Sponsored research Education Current operations	- - (4,534,113)		(8,241,017) (9,771,870) -		(8,241,017) (9,771,870) (4,534,113)
Total distributed to operations	(4,534,113)		(18,012,887)		(22,547,000)
Investment return in excess of amounts designated for sponsored research, education and current operations	\$ 3,413,216	\$	16,597,617	\$	20,010,833

	Without Donor Restrictions			With Donor Restrictions	Total 2023
Change in unrealized appreciation	\$	9,022,045	\$	39,757,544	\$ 48,779,589
Total return on investments		9,022,045	_	39,757,544	48,779,589
Investment return designated for Sponsored research Education Current operations Total distributed to operations		- (4,395,044) (4,395,044)		(8,147,970) (9,700,986) - (17,848,956)	(8,147,970) (9,700,986) (4,395,044) (22,244,000)
Investment return in excess of amounts designated for sponsored research, education and current operations	\$	4,627,001	\$	21,908,588	\$ 26,535,589

Net realized and unrealized gains attributable to investments designated for retiree and active medical plans were \$771,001 and \$1,684,136 for the years ended December 31, 2024 and 2023, respectively.

Investment securities are exposed to various risks such as interest rate, market and credit risks. Due to the level of risk associated with certain investments, it is at least reasonably possible that changes in the value of investment securities will occur in the near term and that such changes could materially affect the market values and the amounts reported in the statement of financial position.

4. Fair Value Measurements

Fair value is defined as the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date (also referred to as "exit price"). Therefore, a fair value measurement should be determined based on the assumptions that market participants would use in pricing the asset or liability. In determining fair value, the use of various valuation approaches, including market, income and cost approaches, is permitted.

Fair Value Hierarchy

A fair value hierarchy has been established based on whether the inputs to valuation techniques are observable or unobservable. Observable inputs reflect market data obtained from independent sources, while unobservable inputs reflect the reporting entity's assumptions about the inputs market participants would use. The fair value hierarchy requires the reporting entity to maximize the use of observable inputs and minimize the use of unobservable inputs when measuring fair value.

The hierarchy is described below:

Level 1 Valuations using quoted prices in active markets for identical assets or liabilities.

Valuations of these products do not require a significant degree of judgment. Level 1 assets and liabilities primarily include debt and equity securities that are traded in an active exchange market.

- Level 2 Valuations using observable inputs other than Level 1 prices such as quoted prices in active markets for similar assets or liabilities; quoted prices for identical or similar assets or liabilities in markets that are not active; broker or dealer quotations; or other inputs that are observable or can be corroborated by observable market data for substantially the full term of the assets or liabilities.
- Level 3 Valuations using unobservable inputs that are supported by little or no market activity and are significant to the fair value of the assets or liabilities. Level 3 includes assets and liabilities whose value is determined using pricing models, discounted cash flow methodologies, or similar techniques.

Inputs broadly refer to the assumptions that market participants use to make valuation decisions, including assumptions about risk. As described in Note 2, the Institution generally uses the net asset value per share of the investment (or its equivalent) reported by the investee fund manager as the primary input to its valuation; however, adjustments to the reported amount may be made based on various factors.

Investments that are valued using the "practical expedient" or net asset value per share ("NAV") are excluded from the fair value leveling hierarchy. Investments include private equity, venture capital, other limited partnerships and multi strategy funds.

The following tables summarize fair value measurements at December 31, 2024 and 2023 for financial assets and liabilities measured at fair value:

					2024											
			Sig	gnificant												
	A	Quoted Prices in Active Markets Level 1		Prices in Active Markets		Prices in Active Markets		Prices in Active Markets		Prices in Active Markets		Other servable Inputs Level 2	Significant nobservable Inputs Level 3	Pra Exp	V as ctical edient AV)	Total Fair Value
Assets																
Cash and cash equivalents	\$	55,214,415	\$	-	\$ -	\$	-	\$ 55,214,415								
Government Bonds		27,056,642		-	-		-	27,056,642								
Exchange Traded Funds		15,018,358		-	-		-	15,018,358								
Futures Contracts				14,089	-		-	14,089								
Venture Capital and Partnerships		-		-	-	297,0	061,165	297,061,165								
Hedge Funds		-			 	100,8	388,249	100,888,249								
Total pooled		97,289,415		14,089	-	397,9	949,414	495,252,918								
Contributions receivable from remainder trust		-		-	1,088,691		-	1,088,691								
Other assets		3,227,007		-	830,609		-	4,057,616								
Investments designated for retiree and active																
medical plans - commingled funds					 	8,8	594,217	8,594,217								
Total assets at fair value	\$	100,516,422	\$	14,089	\$ 1,919,300	\$ 406,5	543,631	\$ 508,993,442								

					2023			
		Quoted Prices in tive Markets Level 1	Significant Other Observable Inputs Level 2	Significant Unobservable Inputs Level 3			NAV as Practical Expedient (NAV)	Total Fair Value
Assets Cash and short-term investments Multi-strategy Investment Funds - Short-term Liquidity Funds Multi-strategy Investment Funds - WHOI Investment Holdings, LP	\$	3,821,904	\$ - -	\$	- -	\$	25,012,610 294,596,611	\$ 3,821,904 25,012,610 294,596,611
Total pooled	·	3,821,904	-		-		319,609,221	 323,431,125
Contributions receivable from remainder trust Other assets Investments designated for retiree and active medical plans - commingled funds		3,076,893 -	- - -		942,506 532,215 -		- - 8,866,786	942,506 3,609,108 8,866,786
Total assets at fair value	\$	6,898,797	\$ 	\$	1,474,721	\$	328,476,007	\$ 336,849,524

The Institution has adopted a policy that defines near-term liquidity as those investments allowing liquidity within 90 days of the reporting period. The following table presents the assets and liability carried at fair value as of December 31, 2024 and 2023 that are classified within Level 3 of the fair value hierarchy defined above:

	Fair Value Measurements Using Significant Unobservable Inputs (Level 3) Contributions Receivable							
	Fron	n Remainder Trust	Otl	her Assets				
Balance at January 1, 2024	\$	942,506	\$	532,215				
Settlements New gifts Unrealized gains		- - 146,185		254,794 43,600				
Balance at December 31, 2024	\$	1,088,691	\$	830,609				
	2023 Fair Value Measurements Using Significant Unobservable Inputs (Level 3)							
		ntributions eceivable						
		n Remainder						
		Trust	Otl	her Assets				
Balance at January 1, 2023	\$	823,813	\$	942,930				
Settlements New gifts Unrealized gains		- - 118,693		(548,835) 100,000 38,120				
Balance at December 31, 2023	\$	942,506	\$	532,215				

The change in unrealized gain/(loss) related to Level 3 assets held as of December 31, 2024 and 2023 was \$254,739 and \$620,143, respectively. These amounts are included in the line item "Changes in split interest agreements" in the statement of activities.

Contributions from Remainder Trusts and split interest agreements (included in the category "Other Assets") have stated interest rates and mortality estimates applied for discounting the future cash flows to the Institution for these arrangements. Interest rates and discount rates associated with establishing or recording these agreements are set at the date of gift and the current interest rate environment may be considerably different which affects the fair value calculation. Mortality (the expected length of time until the Institution received the settlement), is also an estimate impacting the fair value calculation. Actual results differing from these estimates in conjunction with deviations in interest rates directly impact the amount of gain or loss recorded in the Changes in split interest agreements in the statement of activities.

The fair market value of the investments described in the table below are based on net asset value per share of the investments as of December 31, 2024.

Assets	Fair Value	Redemption Terms	Redemption Restrictions
Venture Capital and Partnerships	297,061,165	Annual (year end),	\$2,419,957 designated as illiquid
Hedge Funds	100,888,249	redemption	remaining lives up to 5 years
Investments designated for retiree and active medical plans -			
commingled funds	8,594,217	Daily redemption terms	
Total investments	\$ 406,543,631		

The fair market value of the investments described in the table below are based on net asset value per share of the investments as of December 31, 2023.

Assets	Fair Value	Redemption Terms	Redemption Restrictions
Multi-strategy Investment Funds Short-term liquidity funds Multi-strategy Investment Funds	\$ 25,012,610	Monthly redemption terms Annual (year end), redemption	\$4,295,680 designated as illiquid
WHOI Investment Holdings, LP Investments designated for retiree and active medical plans -	294,596,611	terms	remaining lives up to 5 years
commingled funds	8,866,786	Daily redemption terms	
Total investments	\$ 328,476,007		

5. Pledges Receivable, Net

Pledges that are expected to be collected within one year are recorded at their net realizable value. Pledges that are expected to be collected in future years are recorded at the present value of estimated future cash flows. Discount rates used to calculate the present value of pledges receivable ranged from 4.29% to 5.72% and 4.64% to 5.26% at December 31, 2024 and 2023, respectively.

Pledges receivable consist of the following at December 31
--

	2024	2023
Unconditional promises expected to be collected in		
Less than one year	\$ 22,418,722	\$ 21,755,323
One year to five years	33,138,881	37,351,539
Reserve for uncollectible pledges receivable	(3,560,536)	(3,668,725)
Unamortized discount	 (2,480,476)	(3,267,700)
	\$ 49,516,591	\$ 52,170,437

The total amount of conditional pledges which are not recognized in the Institution's financial statements were \$2,218,798 and \$3,759,276 at December 31, 2024 and 2023.

6. Contribution Receivable from Remainder Trusts, Net and Other Split Interest Agreements

Contributions receivable from remainder trusts at December 31, 2024 and 2023 were \$1,088,691 and \$942,506, respectively. In addition, the Institution is the beneficiary for split interest agreements held in gift annuity and pooled income funds totaling \$830,609 and \$532,215 for the years ended December 31, 2024 and 2023, respectively. These amounts are presented in other assets. Included in accounts payable and other liabilities are net expected payouts of \$401,619 and \$219,554 for the years ended December 31, 2024 and 2023, respectively. Contribution revenue for split interest agreements totaled \$0 for the years ended December 31, 2024 and 2023.

The receivable and other split interest agreements and related revenues are measured at the present value of estimated future cash flows to be received, net of expected payouts, and recorded in the appropriate net asset category based on donor stipulation. During the term of these agreements, changes in the value are recognized based on amortization of discounts and changes in actuarial assumptions. Discount rates used in these calculations was 4.74%, at December 31, 2024 and 2023.

7. Deferred Fixed Rate Variance

The Institution receives funding or reimbursement from federal government agencies for sponsored research under government grants and contracts. Revenue is recognized as related costs are incurred. The Institution has negotiated fixed rates with the federal government for the recovery of certain fringe benefits and indirect costs on these grants and contracts. Such recoveries are subject to carryforward provisions that provide for adjustments to be included in the negotiation of future fixed rates. The deferred fixed rate variance accounts represent the cumulative amount owed to or due from the federal government. The Institution's rates are negotiated with the Office of Naval Research (ONR), the Institution's cognizant agency.

The composition of the deferred fixed rate variance is as follows:

Deferred fixed rate variance liability at December 31, 2022	\$ (4,203,722)
2023 indirect costs Amounts recovered	112,498,073 (111,600,552)
2023 change	897,521
Deferred fixed rate variance liability at December 31, 2023	(3,306,201)
2024 indirect costs Amounts recovered	129,116,665 (136,245,976)
2024 change	(7,129,311)
Deferred fixed rate variance liability at December 31, 2024	\$ (10,435,512)

As of December 31, 2024, the Institution has expended a cumulative amount less than recovered amounts of \$10,435,512 which will be reflected as a deduction to future year recoveries. This amount has been reported as a liability of the Institution. Included in the Institution's rate agreements with their cognizant agency is a provision requiring full liquidation of any deferred rate variance generated in a specific year two years into the future as part of that year's rate calculation.

8. Line of Credit and Bonds Payable

Indebtedness at December 31, 2024 and 2023 includes bonds issued through MassDevelopment. Balances of outstanding bonds payable at December 31 consist of the following:

	2024	2023
MassDevelopment, Series 2018, Fixed Rate		
Revenue Bonds	\$ 67,915,000	\$ 69,340,000
Add: Series 2018 unamortized bond premium	7,129,689	7,665,347
Less: Series 2018 unamortized bond discount	(189,453)	(197,572)
Deferred financing costs	(311,667)	 (325,024)
Bonds payable	\$ 74,543,569	\$ 76,482,751

In fiscal 2004, proceeds were received from the offering of the \$54,850,000 MassDevelopment, Variable Rate Revenue Bonds, Woods Hole Oceanographic Institution Issue, Series A (2004), (the "Series A Bonds"), which were used to repay the MassDevelopment B Pool loans and for campus construction completed in December 2007. The bonds contain certain restrictive covenants including limitations on obtaining additional debt, filings of annual financial statements and limitations on the creation of liens. In addition, the Institution agrees that, subject to any governmental restrictions, its fiduciary obligations and limitations imposed by law, it will maintain resources with and without donor restrictions at a market value equal to at least 75% of all outstanding indebtedness.

On December 1, 2008, the Institution issued \$65,000,000 MassDevelopment, Fixed Rate Revenue Bonds, Woods Hole Oceanographic Institution Issue, Series B (2008), (the "Series B Bonds"). The proceeds were used for major maintenance and renovation projects throughout the Institution and were used to retire the Series A Bonds. The Series B Bonds mature in 2034 and bear fixed interest rates from 4.0% to 5.5% payable on June 1 and December 1 beginning in 2009.

The Series B Bonds are collateralized by the Institution's revenues without donor restrictions. The Institution incurred costs of \$268,500 associated with the issue which have been capitalized and are being amortized over the life of the bonds. Debt covenants were with the requirements under the Series A bond agreement until the interest rate swap agreement was terminated in 2022.

On May 9, 2018 the Institution issued \$75,510,000 MassDevelopment, Fixed Rate Revenue Bonds, Woods Hole Oceanographic Series 2018. The Institution received proceeds of \$86,306,214 net of issuance costs of \$644,296, which included underwriter's discount, legal, consulting and Issuer costs. Of this amount \$50,660,224 was used to retire the Series B (2008) obligations of outstanding principal and interest with the remaining amount held by trustees that will be drawn down to fund future maintenance and renovation projects throughout the Institution along with the building of new facilities. The Bonds mature in 2048 and bear fixed interest rates ranging from 4% to 5%. The Series 2018 Bonds contain no financial covenants. Interest expense on the Bonds totaled \$2,884,404 and \$2,945,520.

The Institution maintains two uncollateralized lines of credit with two separate banks. The lines of credit in the aggregate allow for a maximum borrowing capacity of \$45,000,000. The first agreement, with a maximum capacity of \$30,000,000, bears interest at 1% below the Wall Street Journal Prime Rate, contains no expiration date but is subject to annual reviews on or about September 30.

The second agreement, with a maximum capacity of \$15,000,000 bears interest at the current WSJ Prime Rate minus 1%. The current Prime Rate is 7.5%. This agreement requires the Institution to open a deposit account and maintain a \$3,000,000 balance. The loan must be repaid in full for a minimum of thirty consecutive days annually. The Institution had no outstanding borrowings on the lines of credit at either December 31, 2024 or 2023, respectively.

The aggregate maturities due on the Series 2018 long-term debt at December 31, 2024 are as follows:

	Principal Amount
Fiscal year	
2025	\$ 1,500,000
2026	1,575,000
2027	1,660,000
2028	1,745,000
2029	1,835,000
Thereafter	59,600,000
	\$ 67,915,000

9. Retirement Plans

The Institution maintains a noncontributory defined benefit pension plan covering certain employees of the Institution (Qualified Plan), and a supplemental benefit plan for certain other employees. Pension benefits are earned based on years of service and compensation received. The Institution's policy is to fund at least the minimum required by the Employee Retirement Income Security Act of 1974. The Institution sponsors a 403(b) Defined Contribution Plan (DC Plan). Contributions for the defined contribution plan totaled \$11,285,690 and \$9,784,206 for the

years ended December 31, 2024 and 2023, respectively. Effective January 1, 2010, no new participants were allowed to enter the Qualified Plan but were eligible to participate in the DC Plan. The Qualified Plan was placed under a soft freeze for current participants with all future retirement benefits being earned through the new DC Plan and prior benefits adjusted for future salary increases.

	Qualified Plan Pension Benefits				
	2024	2023			
Change in benefit obligation					
Benefit obligation at beginning of year	\$ 221,386,875	\$ 213,980,602			
Interest cost	11,264,025	11,522,401			
Actuarial (gain)/loss	(12,024,408)	10,720,345			
Benefits paid	(13,285,234)	(14,836,473)			
Transfers from other plans	582,775				
Benefit obligation at end of year	207,924,033	221,386,875			
Change in plan assets					
Fair value of plan assets at beginning of year	183,881,807	176,938,702			
Employer contributions	5,273,332	5,025,000			
Actual return on plan assets	14,628,968	16,754,578			
Benefits paid Transfers from other plans	(13,285,234) 582,775	(14,836,473)			
·		102 001 007			
Fair value of plan assets at end of year	191,081,648	183,881,807			
Funded status	\$ (16,842,385)	\$ (37,505,068)			
Amounts recognized in the statement of financial position consist of					
Accrued benefit liability	\$ 16,842,385	\$ 37,505,068			
Net amount recognized	\$ 16,842,385	\$ 37,505,068			
Information for pension plans with accumulated	<u> </u>				
benefit obligations in excess of plan assets					
Projected benefit obligation	\$ 207,924,033	\$ 221,386,875			
Accumulated benefit obligation	204,515,085	216,024,114			
	\$ 412,439,118	\$ 437,410,989			
Components of net periodic benefit (income)					
Interest cost	11,264,025	11,522,401			
Expected return on plan assets	(11,944,696)	(12,472,131)			
Net periodic benefit (income)	\$ (680,671)	\$ (949,730)			
Other changes in plan assets and benefit obligations					
recognized in unrestricted net assets Net actuarial (gain)/loss	(14,708,680)	6 427 909			
,	(14,700,000)	6,437,898			
Total recognized in nonoperating (expenses) revenues	\$ (14,708,680)	\$ 6,437,898			
,					

The Institution has reflected \$5,273,332 and \$5,025,000 for the years ended December 31, 2024 and 2023, respectively, in the operating section of the statement of activities which represents employer contributions reimbursed through the employee benefit fixed rate as negotiated with the

United States Government. Any difference between the employer contributions and the net periodic benefit cost is recorded in the nonoperating section of the statement of activities. This difference amounted to (income) of \$(5,954,003) and \$(5,974,730) for the years ended December 31, 2024 and 2023, respectively.

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	Qualified Plan					
	Pension Benefits					
_	2024	2023				
Weighted-average assumptions used to determine benefit obligations at December 31						
Discount rate	5.75 %	5.30 %				
Rate of compensation increase	5.00 %	5.00 %				
Weighted-average assumptions used to determine net periodic benefit cost for years ended December 31						
Discount rate	5.30 %	5.60 %				
Expected long-term rate of return on plan assets	7.10 %	7.50 %				
Rate of compensation increase	5.00 %	8.50 %				

To develop the expected long-term rate of return on assets assumption, the Institution considered the current level of expected returns on risk-free investments (primarily government bonds), the historical level of the risk premium associated with the other asset classes in which the portfolio is invested and the expectations for future returns of each asset class. The expected return for each asset class was then weighted based on the target asset allocation to develop the expected long-term rate of return on assets assumption for the portfolio, net of expenses expected to be paid.

This resulted in a 7.10% assumption as of December 31, 2024 and 7.50% assumption at December 31, 2023.

Plan Assets

The long-term investment objectives of the Plan are to (1) achieve an average real total return assessed over rolling five year periods, that is consistent with the Plan's actuarial assumptions; (2) generate acceptable long-term returns, as determined by measurement against the Fund's benchmarks and (3) generate acceptable long-term returns without compromising the liquidity and stability required to support the Plan's annual payments to the Plan's beneficiaries.

The Institution has retained and outsourced services for manager selection, risk management and asset allocation of the Plan's assets to a third party to assist with implementing the Plan's investment policy. In addition, Target Allocations for asset classes have been revised to include two broad categories; (1) Growth and Excess Return Portfolio, (2) Fixed Income/Liability Hedging Portfolio. These categories have been assigned a 60% and 40% Target Allocation, respectively.

Fair Value Disclosures

The following fair value hierarchy table's present information about the Qualified Plan's financial assets measured at fair value on a recurring basis, (as described in Note 4).

				2024			
	Level 1	Level 2		Level 3		NAV as Practical Expedient	Total
Assets							
Cash and cash equivalents	\$ 9,144,213	\$	-	\$ -	. :	\$ -	\$ 9,144,213
Private equity, venture capital							
and other limited partnerships	-		-	-		72,901,172	72,901,172
Commingled funds	-		-	-		16,048,353	16,048,353
Exchange traded funds	16,882,193		-	-		=	16,882,193
Hedge funds	-		-	-		45,290,659	45,290,659
Mutual funds	25,215,301		-	-		=	25,215,301
Domestic common stock	2,258,289			-			 2,258,289
Total assets at fair value	\$ 53,499,996	\$	_	\$ -	<u> </u>	\$ 134,240,184	\$ 187,740,180

						2023				
		Level 1	Level 2			Level 3		NAV as Practical Expedient		Total
Assets										
Cash and cash equivalents	\$	5,206,983	\$	-	\$		-	\$ -	\$	5,206,983
Private equity, venture capital										
and other limited partnerships		=		-			-	74,040,115		74,040,115
Commingled funds		=		-			-	25,314,885		25,314,885
Exchange traded funds		9,103,856		-			-	=		9,103,856
Hedge funds		-		-			-	45,948,983		45,948,983
Mutual funds		17,286,290		-			-	-		17,286,290
Domestic common stock	_	6,980,695			_		_	 	_	6,980,695
Total assets at fair value	\$	38,577,824	\$	-	\$		-	\$ 145,303,983	\$	183,881,807

Included in plan assets are net investment related receivables/(payables) of \$3,341,468 and \$0 as of December 31, 2024 and 2023, respectively. There were no transfers to or from Level 3 for the years ended December 31, 2024 and 2023.

The following unfunded commitments and redemption terms within the retirement trust are detailed below:

			2024	
	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period
Private equity, venture capital and other limited partnerships Commingled funds Hedge funds	\$ 72,901,172 16,048,353 45,290,659	\$ 28,512,984 - -	Restricted from Redemption Daily-Triennially Monthly-Triennially	Restricted from Redemption Business Day-90 Calendar Days 17 Business Days - 4 Months
Total	\$ 134,240,184	\$ 28,512,984		

		2023										
	Fair Value	Unfunded Commitments	Redemption Frequency	Redemption Notice Period								
Private equity, venture capital and other limited partnerships Commingled funds Hedge funds	\$ 74,040,115 25,314,885 45,948,983	\$ 33,759,335	Restricted from Redemption Daily-Triennially Monthly-Triennially	Restricted from Redemption Business Day-90 Calendar Days 17 Business Days - 4 Months								
Total	\$ 145,303,983	\$ 33,759,335										

Expected Contributions

The Institution anticipates contributing \$5,100,000 to the Qualified Plan in 2025.

Estimated Future Benefit Payments

The following benefit payments, which reflect expected future service are expected to be paid as follows:

	Benefit Payments				
Years					
2025	\$ 18,593,04	13			
2026	19,190,16	66			
2027	17,633,85	50			
2028	16,980,66	37			
2029	16,491,05	59			
2030–2034	76,834,04	14			

Amortization of Gains and Losses

Amortization of the net gain or loss resulting from experience different from that assumed and from changes in assumptions (excluding asset gains and losses not yet reflected in market-related value) is included as a component of net periodic benefit income (cost) for the year. If, as of the beginning of the year, that net gain or loss exceeds 10% of the greater of the projected benefit obligation and the market-related value of plan assets, the amortization is that excess divided by the average remaining service period until 25 years of service of participating employees expected to receive benefits under the plan.

10. Other Postretirement Benefits

In addition to providing retirement plan benefits, the Institution provides certain health care benefits for retired employees and their spouses. Substantially all of the Institution's employees may become eligible for the benefits if they reach normal retirement age (as defined) or elect early retirement after having met certain time in service criteria. Effective January 1, 2012 the Trust agreement which had been funding the Plan was amended to include active employees. Accordingly, assets of the Plan were then decoupled and recorded on the Institution's statement of financial position as investments designated for retiree and active medical plans along with a corresponding increase to the accrued postretirement liability. Actual returns from investments

designated for retiree and active medical plans totaled gains/(losses) of \$937,333 and \$1,801,439 for the years ended December 31, 2024 and 2023, respectively, and are presented in the nonoperating section of the statement of activities, net of administrative fees of \$149,970 and \$166,331 for 2024 and 2023, respectively. Health care benefits for active employees funded from these investments totaled \$0 for the years ended December 31, 2024 and 2023.

	Other					
		Postretirem	ent	Benefits		
		2024		2023		
Change in benefit obligation						
Benefit obligation at beginning of year	\$	19,601,470	\$	20,521,433		
Service cost	·	149,970		166,331		
Interest cost		1,009,245		1,114,971		
Benefits paid, net of participant contributions		(1,043,570)		(984,344)		
Actuarial loss/(gain)		493,477		(1,216,921)		
Benefit obligation at end of year		20,210,592		19,601,470		
Change in plan assets						
Employer contributions		1,043,570		984,344		
Benefits paid, net of participant contributions	_	(1,043,570)		(984,344)		
Fair value of plan assets at end of year	_	-		-		
Funded status	\$	(20,210,592)	\$	(19,601,470)		
Amounts recognized in the statement of financial position consist of						
Accrued benefit liability	\$	20,210,592	\$	19,601,470		
Net amount recognized	\$	20,210,592	\$	19,601,470		
Amounts recognized in net assets without						
donor restrictions		(7.500.057)		(0.707.4.5)		
Net actuarial (gain)	_	(7,506,657)		(8,797,115)		
Net amount recognized	\$	(7,506,657)	\$	(8,797,115)		
Components of net periodic benefit cost						
Service cost	\$	149,970	\$	166,331		
Interest cost		1,009,245		1,114,971		
Amortization of net actuarial loss		(796,982)		(717,870)		
Net periodic benefit cost	\$	362,233	\$	563,433		
Other changes in plan assets and benefit obligations recognized in net assets without donor restrictions Net actuarial loss/(gain)		493,477		(1,216,921)		
,	_	1	_	, -,		
Total recognized in nonoperating expense (revenue)	\$	493,477	\$	(1,216,921)		

The Institution recognizes the net periodic benefit cost, except for the service cost, in the nonoperating section of the statement of activities. This amounted to \$212,263 and \$397,101 for the years ended December 31, 2024 and 2023, respectively.

	2024	2023
Weighted-average assumptions used to determine benefit obligations at December 31 Discount rate	5.75 %	5.30 %
Weighted-average assumptions used to determine net		
periodic benefit cost for years ended December 31		
Discount rate	5.30 %	5.60 %
Expected long-term rate of return on plan assets	N/A	N/A

The plan does not provide prescription drug benefits for post-65 retirees; therefore, there is no anticipated Medicare employer subsidy.

	2024	4	2023		
_	Pre-65	Post-65	Pre-65	Post-65	
Assumed health care cost trend rates at December 31,					
Health care cost trend rate assumed for next year Rate to which the cost trend rate is assumed to	7.3 %	5.8 %	7.0 %	5.5 %	
decline (the ultimate trend rate) Year that the rate reaches the ultimate trend rate	5.0 % 2034	5.0 % 2028	5.0 % 2032	5.0 % 2026	

Expected Contributions

The Institution provides contributions as expenses are incurred. The Institution expects contributions to the Retiree Medical Plan in 2025 to be equal to the expected benefit in 2025 of \$1,101,899.

Estimated Future Benefit Payments

The following benefit payments, which reflect expected future service are expected to be paid as follows:

Benefit Payments				
\$	1,101,899			
	1,171,413			
	1,245,243			
	1,287,864			
	1,343,603			
	7,079,249			

11. Net Assets

The Institution's endowment consists of 161 individual funds established for a variety of purposes. The endowment includes both donor-restricted endowment funds and funds designed by the Board of Trustees to function as endowments. Net assets associated with endowment funds, including funds designated by the Board of Trustees to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions.

At December 31, the net asset composition by type consisted of the following:

		ithout Donor Restrictions	With Donor Restrictions	Total
Endowment funds				
Perpetual in nature	\$	-	\$ 129,276,836	\$ 129,276,836
Purpose restricted		-	300,967,346	300,967,346
Board designated funds	94,106,464			94,106,464
Endowment net assets		94,106,464	430,244,182	524,350,646
Purpose restricted - research		-	58,855,507	58,855,507
Purpose restricted - education		-	3,018,452	3,018,452
Time restricted and other		-	47,148,178	47,148,178
Pension and postretirement benefits		(28,458,761)	-	(28,458,761)
Undesignated		20,243,971	1,925,754	22,169,725
Total net assets	\$	85,891,674	\$ 541,192,073	\$ 627,083,747

2024

	2023								
	W	/ithout Donor	With Donor						
		Restrictions		Restrictions		Total			
Endowment funds									
Perpetual in nature	\$	-	\$	119,670,559	\$	119,670,559			
Purpose restricted		-		284,417,639		284,417,639			
Board designated funds		90,432,868		-		90,432,868			
Endowment net assets		90,432,868		404,088,198		494,521,066			
Purpose restricted - research		-		65,136,675		65,136,675			
Purpose restricted - education		-		3,305,858		3,305,858			
Time restricted and other		-		47,548,329		47,548,329			
Pension and postretirement benefits		(48, 239, 754)		-		(48, 239, 754)			
Undesignated		28,293,295		2,000,000		30,293,295			
Total net assets	\$	70,486,409	\$	522,079,059	\$	592,565,468			

Changes in endowment net assets for the year ended December 31, consisted of the following:

		2024			
	Without Donor Restrictions	With Donor Restrictions	Total		
Net assets beginning of year	\$ 90,432,868	\$ 404,088,198	\$ 494,521,066		
Investment return					
Net appreciation	8,109,172	34,448,661	42,557,833		
Total investment return	8,109,172	34,448,661	42,557,833		
New gifts	-	9,564,008	9,564,008		
Appropriation of endowment assets					
for expenditure under spending policy	(4,534,113)	(18,012,887)	(22,547,000)		
Change in split interest agreements	98,538	156,202	254,740		
Net assets end of year	\$ 94,106,465	\$ 430,244,182	\$ 524,350,647		
		2023			
	Without Donor	2023 With Donor			
	Without Donor Restrictions		Total		
Net assets beginning of year		With Donor	Total \$ 465,168,383		
Net assets beginning of year Investment return	Restrictions	With Donor Restrictions			
	Restrictions	With Donor Restrictions			
Investment return	Restrictions \$ 85,544,932	With Donor Restrictions \$ 379,623,451	\$ 465,168,383		
Investment return Net appreciation	Restrictions \$ 85,544,932 8,853,807	With Donor Restrictions \$ 379,623,451 39,926,970	\$ 465,168,383 48,780,777		
Investment return Net appreciation Total investment return New gifts Appropriation of endowment assets	Restrictions \$ 85,544,932 8,853,807 8,853,807 218,823	With Donor Restrictions \$ 379,623,451 39,926,970 39,926,970 1,976,940	\$ 465,168,383 48,780,777 48,780,777 2,195,763		
Investment return Net appreciation Total investment return New gifts Appropriation of endowment assets for expenditure under spending policy	Restrictions \$ 85,544,932 8,853,807 8,853,807 218,823 (4,395,044)	With Donor Restrictions \$ 379,623,451 39,926,970 39,926,970 1,976,940 (17,848,956)	\$ 465,168,383 48,780,777 48,780,777 2,195,763 (22,244,000)		
Investment return Net appreciation Total investment return New gifts Appropriation of endowment assets	Restrictions \$ 85,544,932 8,853,807 8,853,807 218,823	With Donor Restrictions \$ 379,623,451 39,926,970 39,926,970 1,976,940	\$ 465,168,383 48,780,777 48,780,777 2,195,763		

12. Liquidity and Availability of Financial Assets

The Institution's financial assets available within one year of the balance sheet date for general expenditures are as follows:

	2024	2023
Cash and cash equivalents Accounts receivable billed and unbilled Receivable for investments sold Pledges receivable	\$ 17,963,621 32,599,861 4,573,292 22,418,722	\$ 9,308,063 37,564,757 4,534,113 21,755,323
	\$ 77,555,496	\$ 73,162,256

The Institution's endowment funds consist of donor-restricted and Board designated funds. Income from donor-restricted funds are restricted by purpose and are not available for general expenditure. The Institution defines general expenditures as any costs included in total expenses from operating activities. As described in Note 2 the Board designated endowment has a spending rate of 5% and 5% will be available for general use within the next twelve months.

The Institution's liquidity management policy is to structure its financial assets to be available as its general expenditures, liabilities and other obligations come due. In addition, the Institution invests cash in excess of daily liquidity needs in short-term investments. To manage liquidity needs the Institution has committed lines of credit in the amount of \$45,000,000 (see Note 8). In addition, the Institution has Board designated funds in the amount of \$94,106,464 which it could draw upon. At December 31, 2024, \$94,106,464 of designated net assets are committed to fund certain research, education and other designated net assets. Both Board designated and donor-restricted endowment contain investments with lock-up provisions that would reduce the total investments that could be available. Board designated funds are categorized as follows at December 31, 2024:

	2024	2023
Board designated for research	\$ 31,535,912	\$ 30,324,599
Board designated for research - Director discretionary	1,745,690	1,678,788
Board designated for general unsponsored program support	59,711,801	57,414,957
Other	1,113,061	1,014,524
	\$ 94,106,464	\$ 90,432,868

13. Commitments and Contingencies

The Defense Contract Audit Agency (DCAA) is responsible for auditing indirect charges to grants and contracts on behalf of the ONR. The Institution and the ONR have settled the years through 2023 with no findings or adjustments for unallowable costs.

The Institution is a defendant in legal proceedings incidental to the nature of its operations. The Institution believes that the outcome of these proceedings will not materially affect its financial position.

14. Related Party Transactions

The Institution has transactions such as professional services and other items with organizations where members of the Board of Trustees or Corporation are affiliated with the organizations. Total expenditures for these transactions were \$148,800 and \$0 for the years ended December 31, 2024 and 2023.

The Institution has loans due from various employees for education advances and computer purchases. The amounts outstanding are \$717,878 and \$784,672 at December 31, 2024 and 2023, respectively.

15. Schedule of Functional Expenses

The statement of activities presents expenses by functional programs without distinguishing program versus supporting service expenses (or facilities and administrative ("F&A") costs). F&A expenses totaled \$90,043,155 for 2024 and totaled \$76,768,509 for 2023 and have been allocated among the categories presented utilizing a modified total direct cost ("MTDC") basis. MTDC is a federal government prescribed methodology for allocating F&A costs. While facilities costs are allocated primarily on a square footage basis, administrative costs are allocated proportionally by the total of net direct costs per program plus the program's share of facilities costs. Net program direct costs include total direct costs per program reduced by certain costs such as equipment, subcontracts (by statute) and other cost attributes negotiated with the Institution's cognizant agency specific to the Institution which by nature would lead to a disproportional allocation of F&A costs. Functional expenses for the year ended December 31, 2024 and 2023 are as follows:

	Research	Marine Academic Operations Programs		Other Institution Activities		Unsponsored Research		Ships and Submersibles		2024 Total	
Salaries Fringe benefits	\$ 56,625,810 18,207,164	\$ 1,333,0 433,9		3,668,288 1,237,873	\$	4,819,632 1,768,759	\$	2,667,706 899,400	\$	15,998,478 4,170,112	\$ 85,112,949 26,717,243
Equipment Subcontracts	19,933,667 40,144,352	1,026,6 552,2	71	2,570		-		93,186		770,720	21,826,814 40,696,647
Supplies Travel	12,550,436 4,085,978	268,3 105,2	800	103,680 209,878		97,264 277,420		212,039 223,948		2,042,692 1,212,980	15,274,411 6,115,438
Outside services Utilities	2,683,266	275,4 38,9	22	143,392		837,520		54,598		893,250 106,685	4,887,448 145,601
Interest Professional services	- 465,464	241,7	-	-		21,768 473,158		-		1,504 139,920	23,272 1,320,328
Repairs and maintenance Insurance	1,590,877 202,276	76,1 3,4	83 83	117 55,977		8,193 446,014		9,005 1,020		2,805,035 604,151	4,489,410 1,312,921
Other Ship overhaul	19,928,824	3,026,6 3,154,6		8,984,171		6,448,850		6,131,359		4,740,989	49,260,859 3,154,607
Ships fuel Facilities and administration	19,513 68,537,695	29,5 3,790,1		300 2,638,124		- 5,137,194		5,650 (451,594)		3,438,315 10,391,619	3,493,355 90,043,155
Total operating expenses	244,975,322	14,356,2	27	17,044,370		20,335,772		9,846,317		47,316,450	353,874,458
Nonoperating expense	\$ 244,975,322	\$ 14,356,2	27 \$	5 17,044,370	\$	5,741,740 26,077,512	\$	9,846,317	\$	47,316,450	\$ 5,741,740 359,616,198

	Research	Marine Operations		Academic Programs		Other Institution Activities		Unsponsored Research		Ships and Submersibles		2023 Total	
Salaries	\$ 50,269,096	\$	772,009	\$	3,210,550	\$	3,885,596	\$	2,250,042	\$	13,424,360	\$	73,811,653
Fringe benefits	13,774,961		204,322		913,067		1,259,960		639,324		3,371,431		20,163,065
Equipment	23,142,420		3,642,451		2,440		9,188		270,217		405,099		27,471,815
Subcontracts	40,373,352		81,595		-		-		-		-		40,454,947
Supplies	11,344,244		196,429		84,013		147,914		273,748		1,707,938		13,754,286
Travel	3,973,445		249,688		142,485		253,681		153,215		841,982		5,614,496
Outside services	2,971,439		480,557		69,738		2,666,142		30,461		691,984		6,910,321
Utilities	-		8,821		-		124		-		32,526		41,471
Interest	-		-		-		6,155		-		-		6,155
Professional services	575,188		34,000		-		843,813		-		72,298		1,525,299
Repairs and maintenance	1,248,654		4,198		-		16,672		13,042		2,145,230		3,427,796
Insurance	151,164		-		47,454		408,641		75,646		610,937		1,293,842
Other	24,337,381		3,700,984		8,641,402		5,776,782		3,641,146		4,480,861		50,578,556
Ship overhaul	-		1,502,357		-		-		-		-		1,502,357
Ships fuel	25,796		29,387		227		-		3,263		3,893,489		3,952,162
Facilities and administration	62,212,146		3,125,321		2,099,209		4,890,333		(412,945)		7,068,767		78,982,831
Total operating expenses	234,399,286		14,032,119		15,210,585		20,165,001		6,937,159		38,746,902		329,491,052
Nonoperating expense							5,577,629					_	5,577,629
	\$ 234,399,286	\$	14,032,119	\$	15,210,585	\$	25,742,630	\$	6,937,159	\$	38,746,902	\$	335,068,680

The category Facilities and Administration in the Schedule of Functional Expenses for the year ended December 31, 2024 includes costs associated with plant operations of \$30,372,159, departmental administration of \$17,526,367, sponsored program administration of \$2,227,914, library costs of \$1,131,769 and general administration of \$38,784,946. The category Facilities and Administration in the Schedule of Functional Expenses for the year ended December 31, 2023 includes costs associated with plant operations of \$27,011,994, departmental administration of \$15,167,232, sponsored program administration of \$1,656,874, library costs of \$1,062,855 and general administration of \$31,869,555.

16. Subsequent Event

Management evaluated all events or transactions that occurred after December 31, 2024 through July 23, 2025, the date these financial statements were issued.

Effective January 1, 2024, the Institution engaged with a new OCIO. As part of the transition, approximately 52% of the endowment investments remained in a side pocket within an investment fund managed by the prior OCIO. Distributions from the side pocket were to be made as underlying investments were available for redemption or otherwise realized. In May 2025, the Board of Trustees approved the sale of a portion of the side pocket consisting of 73% of the underlying private equity investments through a secondary sale. The portion of the side pocket NAV sold was \$115,535,542 with a purchase price (before adjustment for certain side pocket distributions) was \$96,472,177 incurring a 16.5% discount. The cash received was approximately \$91,426,827 representing the purchase price adjusted for certain side pocket distributions and transaction fees.