

2020 Management's Statement of Responsibility and Audited Financial Statements

Management's Statement of Responsibility March 5, 2021

The management of the American Chemical Society (ACS or the Society) is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with accounting principles generally accepted in the United States and, as such, the statements include amounts based on estimates and judgments by management.

The consolidated financial statements have been audited by the independent accounting firm KPMG LLP, which was given unrestricted access to all financial records and related data, including minutes of all meetings of the Board of Directors and its committees. Their report, which follows, expresses their opinion as to whether the consolidated financial statements, considered in their entirety, fairly present the Society's financial position, operating results, and cash flows in conformity with accounting principles generally accepted in the United States. Management believes that all representations made to the independent auditors during their audit were true and accurate.

The Society maintains a system of internal controls which is designed to provide reasonable assurance that assets are safeguarded, transactions are executed in accordance with management's authorization, and accounting records are reliable for preparing financial statements. The Society's internal controls are maintained through the establishment and communication of accounting and financial policies and procedures and by the selection and training of qualified personnel. There are, however, inherent limitations in the effectiveness of any system of internal controls, including the possibility of human error and the circumvention of controls. Accordingly, even an effective internal control system can provide only reasonable assurance with respect to financial statement preparation. Furthermore, the effectiveness of an internal control system can change with circumstances. Management believes that as of December 31, 2020 and 2019, the Society's system of internal controls was adequate to accomplish the objectives discussed herein.

The ACS Board of Directors fulfills its oversight responsibility for the consolidated financial statements through its Audit Committee, which is composed of Committee members who are independent of Society management. The Audit Committee has a charter in place that outlines its responsibilities, which include engaging the independent auditors and internal auditors, reviewing accounting, auditing, internal control, and financial reporting matters, and meeting with management and the independent auditors to ensure that each is carrying out their responsibilities. Recommendations made by the independent auditors are considered and appropriate action is taken with respect to these recommendations. The independent auditors and internal auditors have free and full access to the Audit Committee.

Thomas M. Connelly, Jr.

Executive Director & CEO

Albert G. Horvath

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Treasurer & CFO



AMERICAN CHEMICAL SOCIETY

Consolidated Financial Statements

December 31, 2020 and 2019

(With Independent Auditors' Report Thereon)



KPMG LLP Suite 12000 1801 K Street, NW Washington, DC 20006

Independent Auditors' Report

The Board of Directors

American Chemical Society:

We have audited the accompanying consolidated financial statements of American Chemical Society and its subsidiary (the Society), which comprise the consolidated statements of financial position as of December 31, 2020 and 2019, and the related consolidated statements of activities and cash flows for the years then ended, and the related notes to the consolidated financial statements.

Management's Responsibility for the Consolidated Financial Statements

Management is responsible for the preparation and fair presentation of these consolidated financial statements in accordance with U.S. generally accepted accounting principles; this includes the design, implementation, and maintenance of internal control relevant to the preparation and fair presentation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

Auditors' Responsibility

Our responsibility is to express an opinion on these consolidated financial statements based on our audits. We conducted our audits in accordance with auditing standards generally accepted in the United States of America. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the consolidated financial statements are free from material misstatement.

An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the consolidated financial statements. The procedures selected depend on the auditors' judgment, including the assessment of the risks of material misstatement of the consolidated financial statements, whether due to fraud or error. In making those risk assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the consolidated financial statements 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 entity's internal control. Accordingly, we express no such opinion. An audit also includes evaluating the appropriateness of accounting policies used and the reasonableness of significant accounting estimates made by management, as well as evaluating the overall presentation of the consolidated financial statements.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

In our opinion, the consolidated financial statements referred to above present fairly, in all material respects, the financial position of American Chemical Society and its subsidiary as of December 31, 2020 and 2019, and the changes in their net assets and their cash flows for the years then ended, in accordance with U.S. generally accepted accounting principles.

Emphasis of Matter

As discussed in Note 2 to the consolidated financial statements, the Society adopted Accounting Standards Update (ASU) ASU 2018-08, *Not-for-Profit Entities – Clarifying the Scope and Accounting Guidance for Contributions Received and Contributions Made (Topic 958)*, effective January 1, 2019 for contributions received and January 1, 2020 for contributions made. Our opinion is not modified with respect to this matter.



Washington, District of Columbia March 5, 2021

AMERICAN CHEMICAL SOCIETY Consolidated Statements of Financial Position As of December 31

(in thousands)

· · ·	2020	2019		
ASSETS				
Cash and Cash Equivalents Accounts Receivable, Net	\$ 77,814 51,993	\$	105,090 49,447	
Investments	1,478,940		1,209,496	
Buildings, Land, and Other Property, Net	133,293		132,120	
Postretirement Benefits and Other	 63,150		29,977	
Total Assets	\$ 1,805,190	\$	1,526,130	
LIABILITIES AND NET ASSETS				
Accounts Payable	\$ 29,366	\$	26,353	
Accrued Expenses	57,472		42,640	
Deferred Revenues	148,197		145,617	
Grants Payable	3,704		17,618	
Long-term Debt	60,337		-	
Postretirement Benefits and Other	76,628		117,532	
Total Liabilities	 375,704		349,760	
Net Assets Without Donor Restrictions				
ACS Programs	 588,671		446,232	
Total Net Assets Without Donor Restrictions	588,671		446,232	
Net Assets With Donor Restrictions				
ACS Programs	151,175		130,044	
PRF	 689,640		600,094	
Total Net Assets With Donor Restrictions	840,815		730,138	
Total Net Assets	 1,429,486		1,176,370	
Total Liabilities and Net Assets	\$ 1,805,190	\$	1,526,130	

See accompanying notes to consolidated financial statements.

AMERICAN CHEMICAL SOCIETY Consolidated Statements of Activities For the Years Ended December 31

(in thousands)

		2020	2019			
Change in Net Assets Without Donor Restrictions from Operations						
Operating Revenues						
Electronic and Other Information Services	\$	577,927	\$	545,730		
Appropriation From General Fund and Investment Income	Ψ	15,788	Ψ	10,856		
Net Assets Released from Restriction		10,619		28,180		
Dues		9,782		10,889		
Other		9,574		10,425		
Member Insurance Premiums, Refunds, and Fees		7,010		10,897		
Registration Fees and Booth Sales		1,400		12,112		
Total Operating Revenues		632,100		629,089		
Operating Expenses		002,100		020,000		
Program Activities						
Information Services		394,920		395,024		
Membership and Society Services		31,368		36,552		
Education		15,947		17,255		
Member Insurance Program		13,243		13,349		
External Affairs and Communication		7,205		7,739		
Scientific Advancement		7,667		23,949		
Supporting Activities		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,				
Finance, Administration and Human Resources		55,521		53,938		
Information Technology		23,256		23,160		
Marketing and Promotion		20,512		22,629		
Total Operating Expenses		569,639		593,595		
Change in Net Assets Without Donor Restrictions from Operations		62,461		35,494		
Non-Operating Activities						
Net Investment Gains		66,172		71,819		
Change in Postretirement Benefits Obligations		13,806		12,025		
Change in Net Assets - Non-Operating Activities	-	79,978		83,844		
Change in Net Assets Without Donor Restrictions		142,439		119,338		
Change in Net Assets With Donor Restrictions						
Contributions		6,287		3,599		
Net Investment Gains and Income		115,034		112,738		
Net Assets Released From Restriction		(10,619)		(28,180)		
Adjustment of Pledges Receivable		(25)		(=0,.00)		
Change in Net Assets With Donor Restrictions		110,677		88,157		
Change in Net Assets		253,116		207,495		
Beginning Net Assets		1,176,370		968,875		
Ending Net Assets	\$	1,429,486	\$	1,176,370		
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See accompanying notes to consolidated financial statements.

AMERICAN CHEMICAL SOCIETY Consolidated Statements of Cash Flows For the Years Ended December 31

(in thousands)

Cash Flows From Operating Activities Change in Net Assets \$ 253,116 \$ 207,495 Adjustments to Reconcile Change in Net Assets to Net Cash Provided By Operating Activities: Net Investment Gains (169,521) (165,941) Change in Postretirement Benefits Obligations (13,806) (12,025) Depreciation and Amortization 33,298 33,340 Contributions Restricted for Long-Term Investment (637) (1,228) Net Loss on Property Dispositions 1,037 853 Amortization of Debt Issuance Cost 5 - Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: (31,411) 1,125 Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)			2020		2019
Change in Net Assets \$ 253,116 \$ 207,495 Adjustments to Reconcile Change in Net Assets to Net Cash Provided By Operating Activities: Net Investment Gains (169,521) (165,941) Change in Postretirement Benefits Obligations (13,806) (12,025) Depreciation and Amortization 33,298 33,340 Contributions Restricted for Long-Term Investment (637) (1,228) Net Loss on Property Dispositions 1,037 853 Amortization of Debt Issuance Cost 5 - Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: Accounts Receivable, Net (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liab	Cash Flows From Operating Activities				
Adjustments to Reconcile Change in Net Assets to Net Cash Provided By Operating Activities: Net Investment Gains (169,521) (165,941) Change in Postretirement Benefits Obligations (13,806) (12,025) Depreciation and Amortization 33,298 33,340 Contributions Restricted for Long-Term Investment (637) (1,228) Net Loss on Property Dispositions 1,037 853 Amortization of Debt Issuance Cost 5 - Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: (31,411) 1,125 Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	• •	\$	253.116	\$	207.495
Cash Provided By Operating Activities: (169,521) (165,941) Net Investment Gains (13,806) (12,025) Change in Postretirement Benefits Obligations (13,806) (12,025) Depreciation and Amortization 33,298 33,340 Contributions Restricted for Long-Term Investment (637) (1,228) Net Loss on Property Dispositions 1,037 853 Amortization of Debt Issuance Cost 5 - Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: (31,411) 1,125 Increases (Decreases) in Liabilities: 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	S .	*		*	
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Depreciation and Amortization 33,298 33,340 Contributions Restricted for Long-Term Investment (637) (1,228) Net Loss on Property Dispositions 1,037 853 Amortization of Debt Issuance Cost 5 - Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: 3,013 (2,347) Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)			, ,		, ,
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Net Loss on Property Dispositions 1,037 853 Amortization of Debt Issuance Cost 5 - Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: - Accounts Receivable, Net (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: 3,013 (2,347) Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	·		,		
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Changes in Operating Assets and Liabilities: (Increases) Decreases in Assets: Accounts Receivable, Net (3,927) 70,769 Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: 3,013 (2,347) Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	· · · ·		•		-
(Increases) Decreases in Assets: (3,927) 70,769 Accounts Receivable, Net (31,411) 1,125 Increases (Decreases) in Liabilities: 3,013 (2,347) Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)			_		
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Other Assets (31,411) 1,125 Increases (Decreases) in Liabilities: 3,013 (2,347) Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	· · · · · · · · · · · · · · · · · · ·		(3.927)		70.769
Increases (Decreases) in Liabilities: 3,013 (2,347) Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)			, ,		•
Accounts Payable 3,013 (2,347) Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	Increases (Decreases) in Liabilities:		(- , ,		, -
Accrued Expenses 11,843 4,970 Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	,		3.013		(2.347)
Deferred Revenues 2,580 (62,391) Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)	· · · · · · · · · · · · · · · · · · ·		,		· · · /
Grants Payable (13,914) (52) Other Liabilities (29,170) (9,947)			,		
Other Liabilities (29,170) (9,947)	Grants Payable				, ,
	·		, ,		
Net Cash Provided by Operating Activities 42,506 64,621	Net Cash Provided by Operating Activities		42,506		64,621
Cash Flows From Investing Activities	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·		<u> </u>
Purchases of Investments (1,853,842) (1,134,553)	Purchases of Investments		(1,853,842)		(1,134,553)
Sales and Maturities of Investments 1,758,350 1,107,616	Sales and Maturities of Investments		, ,		,
Acquisitions of Buildings, Land, and Other Property (35,259) (40,552)	Acquisitions of Buildings, Land, and Other Property		(35,259)		(40,552)
Net Cash Used in Investing Activities (130,751) (67,489)					
Cash Flows From Financing Activities	Cash Flows From Financing Activities		<u> </u>		,
Debt Issuance Cost (65)	Debt Issuance Cost		(65)		-
Proceeds from Debt Issuance 60,397 -	Proceeds from Debt Issuance		60,397 [°]		-
Contributions Restricted for Long-Term Investment 637 1,228	Contributions Restricted for Long-Term Investment		637		1,228
Net Cash Provided by Financing Activities 60,969 1,228	Net Cash Provided by Financing Activities		60,969		1,228
Net Decrease in Cash and Cash Equivalents (27,276) (1,640)	Net Decrease in Cash and Cash Equivalents		(27,276)		(1,640)
Beginning Cash and Cash Equivalents105,090106,730	Beginning Cash and Cash Equivalents		105,090		106,730
Ending Cash and Cash Equivalents \$ 77,814 \$ 105,090	Ending Cash and Cash Equivalents	\$	77,814	\$	105,090

See accompanying notes to consolidated financial statements.

AMERICAN CHEMICAL SOCIETY NOTES TO CONSOLIDATED FINANCIAL STATEMENTS FOR THE YEARS ENDED DECEMBER 31, 2020 and 2019

1. ORGANIZATION AND PURPOSE

The American Chemical Society (ACS or the Society) was founded in 1876. It is a U.S. not-for-profit corporation whose national charter was approved by the U.S. Congress on August 25, 1937. The Society's consolidated financial statements include the operations of its wholly owned for-profit subsidiary and an insurance trust. The Society was organized for the purposes of encouraging the advancement of chemistry, promoting research in chemical science, increasing and diffusing chemical knowledge, and promoting scientific interests and inquiry through its meetings, reports, papers, and publications. The Society has more than 155,000 members.

The Society is generally exempt from federal income tax under Section 501(c)(3) of the Internal Revenue Code and accomplishes its exempt purpose through a number of educational meetings that provide forums for sharing scientific information, employment services, and public outreach. In addition, the Society provides expert testimony at the federal, state, and local government levels on topics relevant to the chemistry enterprise. The Society also provides a significant service to its members and the chemistry enterprise in the form of print and electronic scientific journals and databases pertaining to chemical and related scientific information.

The principal sources of funding for the Society's activities include net revenues generated by the Publications Division (Publications) and the Chemical Abstracts Service Division (CAS), collectively, Electronic and Other Information Services Revenue. Publications publishes a wide range of peer-reviewed scientific journals, periodicals, and books which are available to members and subscribers. CAS analyzes, organizes, and shares scientific information that drives discovery, providing innovative solutions that empower scientists, patent information professionals, and business leaders worldwide. Other sources of the Society's revenue include member dues, insurance premiums, registration fees, investment income, and contributions from individuals and institutions to support Society programs. Products and services are sold domestically and in overseas markets, principally in Europe and Asia. The Society's diverse clientele is composed of its members and other chemistry-related practitioners, corporations, academic institutions, and government agencies.

2. SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES

Principles of Presentation and Consolidation

The accompanying consolidated financial statements include the accounts of American Chemical Society and ACS International, Ltd., a wholly owned international marketing services subsidiary. The consolidated financial statements also include the accounts of the American Chemical Society Petroleum Research Fund (PRF), an endowment fund established to advance scientific education and research in the petroleum field, and the American Chemical Society Insurance Trust, a grantor trust established to enable members of the Society to purchase insurance coverage through group insurance policies. All significant inter-entity transactions have been eliminated. The assets and liabilities in the consolidated statements of financial position are presented in order of liquidity with the exception of investments, which have certain components that are considered short-term and others that are considered long-term (see Note 5). The accounts of the Society's chapters, referred to as local sections and divisions, are not included in the Society's consolidated financial statements because the Society does not have either a financial or governing controlling interest in its chapters.

Net Asset Classes

Based on the existence or absence of donor-imposed restrictions, resources are classified into two categories: without donor restrictions and with donor restrictions.

- Net assets without donor restrictions are free of donor-imposed restrictions. All revenues, gains, and losses
 that are not restricted by the donor are included in this classification. All expenses are reported as decreases
 in net assets without donor restrictions.
- Net assets with donor restrictions are subject to donor-imposed restrictions that will be met either by actions
 of the Society or the passage of time. These net assets include donor restricted endowments and
 unconditional pledges. Generally, the donor-imposed restrictions of these assets permit the Society to use
 all or part of the income earned on the related investments for general or specific purposes.

Operating Measure

Operating results (change in net assets without donor restrictions from operations) in the consolidated statements of activities reflect all transactions that change net assets without donor restrictions. Non-operating activities without donor restrictions include net investment gains and losses, change in postretirement benefits obligations, and other non-operating gains and losses, if any.

Use of Estimates

The preparation of the consolidated financial statements, in conformity with U.S. generally accepted accounting principles, requires management to make estimates and assumptions that affect the reported amounts of assets and liabilities, the disclosure of contingent assets and liabilities at the date of the consolidated financial statements, and the reported amounts of revenues and expenses during the reporting period. The Society's most significant estimates include actuarial assumptions for postretirement benefits obligations and useful lives of buildings and other property. Actual results could differ from these estimates.

Cash Equivalents

Cash equivalents include money market funds which can be liquidated on a daily basis. These money market funds invest primarily in short-term U.S. Treasury securities, other short-term highly liquid investments, and certain fixed income securities. Cash equivalents that are managed as part of investments are reported within investments, as these funds are not used for daily operating needs. These are not considered cash equivalents or restricted cash equivalents for purposes of the statements of cash flow.

Investments

Investments are reported at fair value in the consolidated statements of financial position. Certain commingled trust funds, hedge funds, and a private real estate fund are reported at net asset value (NAV) as a practical expedient for fair value unless it is probable that all or a portion of the investment will be sold for an amount different than NAV. Fair values of certain commingled funds, similar to mutual funds, that are deemed to have a readily determinable fair value are measured at published NAV. The net asset values are provided by external investment managers and involve assumptions and estimation methods; therefore, the estimates could differ materially from actual results. The Society reviews and evaluates the values provided by the investment managers and agrees with the valuation methods and assumptions used in determining the net asset values. Certain investments reported at NAV are subject to withdrawal restrictions and are less liquid than the Society's other investments. As of December 31, 2020 and 2019, the Society had no plans or intentions to sell investments at amounts different from NAV.

The Society invests in various instruments including domestic and foreign equities, fixed income securities, and financial derivatives. Investments, in general, carry various risks such as interest rate, credit, currency, liquidity, and overall market risk. Due to the level of risk associated with certain investments, it is reasonably possible that changes in the values of investments may occur in the near term, and such changes could materially affect the amounts reported in investments.

The Society has authorized its investment managers to utilize various derivative instruments, including financial futures, options, interest rate swaps, and credit default swaps to either hedge risk or alter the exposure to certain asset classes. The Society has established procedures to monitor and manage the use of these derivative instruments and the related market, interest, and counterparty credit risks. Derivative instruments are recognized at fair value using quoted market prices for similar instruments and are reported within investments in the consolidated statements of financial position.

The Society's investment managers may purchase and sell securities on a delayed delivery ("TBA securities"), when issued, or forward commitment basis. Settlements may take place one month or more after the date of the transaction. The underlying securities are valued at current market value with daily fluctuations in the market value included in net investment gains and losses. The Society has established procedures to monitor and manage the use of TBA securities and the related market, interest, and counterparty credit risks. Sufficient cash or liquid securities are held to cover its commitments. Losses may arise due to changes in the market value of the underlying securities or if the counterparty does not perform under the contract, or if the issuer does not issue the securities due to political, economic or other factors.

Changes in fair value are recognized as net investment gains or losses in the consolidated statements of activities. Investment income, net of related investment expenses, consisting of interest and dividends, is recognized when earned. Purchases and sales of investments are recorded on the trade date. Unsettled transactions, including forward purchases and sales of TBA securities or derivatives, that are managed as part of investments are reported within investments as the funds related to the settlements of such transactions stay within the investment pools and are not used for operating purposes.

Foreign Currency Forward Contracts

The Society recognizes foreign currency contracts (not related to its investment portfolios) as either accounts receivable, accounts payable, or deferred revenue in the consolidated statements of financial position at their respective fair values. The fair values of foreign currency forward contracts are based on quoted market prices for similar contracts at December 31. Changes in fair value are recognized as net investment gains or losses in the consolidated statements of activities.

Fair Value Measurements

Fair value is 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.

The fair value measurement standard establishes a three-tier fair value hierarchy that prioritizes the inputs used in measuring fair value. The standard requires that assets and liabilities carried at fair value be classified and disclosed in one of the following three categories:

- Level 1 Observable inputs such as quoted or published prices in active markets for identical assets or liabilities (e.g., U.S. Treasury issues, equities, and mutual funds traded on major exchanges)
- Level 2 Inputs other than quoted or published prices in active markets for identical assets or liabilities that
 are observable either directly or indirectly, such as interest rates, yield curves, and quoted prices in active
 markets for similar assets or liabilities (e.g., U.S. government and agency issues, corporate bonds, money
 market funds, commingled funds with published prices, that may not trade actively, and foreign exchange
 forward contracts)
- Level 3 Unobservable inputs in which there is little or no market data, requiring the reporting entity to develop its own assumptions

The Society utilizes the best information available in measuring fair value, and financial assets and liabilities are classified based on the lowest level of input that is significant to the fair value measurement.

See Note 4 for the disclosure of the fair value of applicable financial assets and liabilities measured on a recurring basis.

Buildings, Land and Other Property

Buildings and other property are carried at cost less accumulated depreciation and amortization. Improvements that extend the estimated useful life of an asset are capitalized. Internally developed software is capitalized in accordance with the Financial Accounting Standards Board's (FASB) Accounting Standards Codification (ASC) Subtopic 350-40, *Internal-Use Software* and ASC Subtopic 350-50, *Website Development Costs*. Software that will be included in a product or service or developed for resale purposes is recorded in accordance with ASC Subtopic 985-20, *Costs of Software to Be Sold, Leased, or Marketed*.

Assets are amortized on a straight-line basis over the useful life of the asset. One-half year's depreciation or amortization is taken in the year an asset is placed in service. Useful lives range from 3 to 7 years for software; 3 to 45 years for buildings and improvements; and 3 to 10 years for hardware, furniture, and equipment. Repairs and maintenance costs are charged to expense as incurred.

Long-Lived Assets

Long-lived assets are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of an asset may not be recoverable.

Member Insurance Program

The Society maintains a separate Member Insurance Program, American Chemical Society Insurance Trust (the Insurance Trust), which provides members with insurance coverage through several group insurance policies. The Insurance Trust maintains group insurance policies that provide term life, accidental death and dismemberment, hospital indemnity, long-term disability, long-term care, excess major medical, short-term medical, supplemental Medicare, auto, homeowners, and professional liability insurance coverage. Insurance carriers underwrite these policies while third-party administrators handle the processing and administration of claims.

The Insurance Trust generates revenue from premiums received from program participants, refunds from the insurance carrier based on favorable claims experience, endorsement fees, interest and dividends earned on investments, and interest income earned on reserves held by the insurance carrier to ensure the stability of the program. The Insurance Trust's expenses include the cost of purchasing group insurance policies, as well as the cost of administering the program. The activities of the Insurance Trust are included within ACS Programs in the consolidated statements of activities.

Revenue Recognition and Deferred Revenue

The Society's significant revenue streams are as follows:

<u>Electronic and Other Information Service Revenue</u> – Electronic and other information service revenue consists primarily of CAS data and information licenses as well as Publications subscriptions.

Revenue is measured based on the consideration specified in the contract with the customer. The Society recognizes revenue when it satisfies a performance obligation by transferring control of a product or service to a customer, which generally occurs over time. License and subscription terms are generally one year. Certain agreements with customers may include multi-year pricing however, based on the terms of such license agreements, the Society has defined the period of performance to be 12 months. The fees negotiated may be invoiced monthly, quarterly or annually.

Revenue from the sale or license of electronic services (data and information) is recognized ratably over the period of time commensurate with the license or subscription term. Payments received before the start of the term for electronic services are recognized as deferred revenues.

Registration Fees and Booth Sales – Revenue for registration fees and booth sales is recognized when the events occur. Payments received in advance of the events are included in deferred revenues.

<u>Dues</u> – Revenue for membership dues is recognized ratably over the membership term. The Society renews membership agreements upon termination of the membership period. Payments received in advance of the membership period are included in deferred revenues.

<u>Member Insurance Premiums, Refunds, and Fees</u> – Revenue for member insurance premiums, refunds, and fees is recognized ratably over the insurance policy period, which is generally one year ending December 31. Payments received in advance of the policy period are included in deferred revenues.

Government and Private Grants and Contracts – Revenue from government and private grants and contracts is recognized as either exchange transactions (if the resource provider receives commensurate benefit) or conditional contributions. Such revenue is recognized over the period of performance as qualifying allowable costs are incurred. Government grants and contracts are subject to audit by federal agencies. Grant and contract revenue is included in other revenues in the accompanying consolidated statements of activities.

Accounts Receivable

Accounts receivable are recorded only when the Society's right to consideration is unconditional (i.e., the contract is not cancellable). Accounts receivable are recorded at the invoiced amount and do not bear interest. The Society maintains an allowance for doubtful accounts for estimated losses. In establishing the allowance, management considers historical losses and past-due balances. ACS records accounts receivable and related contract liabilities (deferred revenue) for non-cancellable contracts with customers when there is a right to consideration.

Deferred revenue as of December 31, 2020, is expected to be recognized in 2021. Deferred revenue as of December 31, 2019 was recognized as revenue in 2020.

Contributions

Contributions, including unconditional promises to give, are recognized when received. Expirations of donor restrictions on net assets (i.e., the donor stipulated purpose has been fulfilled and/or the stipulated time period has elapsed) are reported as net assets released from restrictions in the consolidated statements of activities. Contributions which impose restrictions that are met in the same year they are received are reported as increases in net assets without donor restrictions.

Income Taxes

The Society is generally exempt from federal income taxes under Internal Revenue Code Section 501(c)(3). However, the Society is subject to taxation on any net unrelated business income. As of December 31, 2020, the Society had pre-2018 operating loss carryforward for income tax purposes of \$17,795,477, which expires over the years 2021 through 2037 and post-2018 net operating loss of \$9,893,971, which can be carried forward indefinitely. A deferred tax asset has not been recorded for the net operating losses because the Society has determined the losses are not recoverable as of December 31, 2020.

Management annually reviews its tax positions and has determined that there are no material uncertain tax positions that require recognition in the consolidated financial statements.

Research Grants

Effective January 1, 2020, research grants awarded by the Society meet the definition of conditional contributions made under Accounting Standards Update 2018-08 (refer to Recently Adopted Accounting Pronouncements below) and are recognized ratably over the period of performance, as conditions are met, in accordance with the grant agreements. Research grant expense recognized but not paid is recognized as grants payable. Research grants paid in advance, if any, are recognized as prepaid expenses.

Prior to January 1, 2020, the Society recognized research grants expense and grants payable immediately upon approval of the awards by the Board of Directors.

Risks and Uncertainties

<u>Concentration of Credit Risk</u> – The Society is subject to potential concentrations of credit risk in its cash and cash equivalents and investments. Deposits at financial institutions were insured by the Federal Deposit Insurance Corporation (FDIC) up to a maximum of \$250,000 at December 31, 2020 and 2019. Investments at other financial institutions were insured by the Securities Investor Protection Corporation (SIPC) up to \$500,000, which includes a \$250,000 limit for cash. At December 31, 2020 and 2019, the aggregate balances were in excess of the insurance and, therefore, pose some risk since they are not collateralized. The Society has historically not experienced any losses on its cash and cash equivalents and investments in relation to FDIC and SIPC insurance limits.

<u>Capital Market Risk</u> – The Society invests in domestic equities, foreign equities, and fixed income securities, which are subject to market risk and may result in gains or losses due to changes in market value. In addition, the Society utilizes futures and options to hedge changes in the market value of underlying investments, and forward contracts to hedge changes in the value of revenues denominated in foreign currencies. These financial instruments are also subject to market risk and may result in gains or losses; however, they are not used to leverage market exposure, and any such gains or losses would be largely offset by changes in the market value of the underlying investments or foreign currencies.

<u>Foreign Currency Risk</u> – Portions of the Society's revenues and expenditures are in foreign currencies. The Society enters into foreign currency forward contracts to reduce the risk that exchange rate fluctuations will adversely impact the U.S. dollar value of future net revenues denominated in foreign currency.

<u>Counterparty Risk</u> – The Society enters into derivative instruments and TBA securities with counterparties. While there is risk that the counterparties may fail to meet their obligations, the Society does not have significant positions with any one counterparty.

<u>Insurance Risk</u> – Given the uncertainty of claims experience in any given year and the resulting impact on the level of experience refunds or charges from the insurance carrier, the Insurance Trust can have either a positive or a negative impact on the Society's consolidated statements of activities.

COVID 19 Pandemic Response

In March 2020, the World Health Organization declared the novel coronavirus (COVID-19) a pandemic. The U.S. Congress passed the Coronavirus Aid, Relief, and Economic Security (CARES) Act, to help individuals and businesses affected by the pandemic and economic downturn.

While a limited number of Society staff are working on-site to ensure continuity of essential operations and security of facilities, the vast majority of staff have transitioned to remote work. The Society is complying with all government regulations and guidance and using the best available science to ensure a safe work environment once re-entry into the workplace becomes possible. Keeping the health and safety of its employees and members in mind, and consistent with the Society's core value of Safety, the Society cancelled its spring national meeting and held its fall national meeting virtually. In both instances, the Society provided virtual platforms for researchers to share scientific papers and to facilitate networking.

The Society's pandemic response plan has multiple facets and continues to evolve as the pandemic unfolds. In response to the needs of its members and the chemistry community, the four strategic plan goals were adapted to the COVID-19 challenges as follows:

- 1) Provide Information Solutions by delivering indispensable chemistry-related solutions to address global challenges of COVID-19
- 2) Empower Members and Member Communities by offering additional webinars, enhanced career services, new benefits for those impacted by COVID-19, and virtual conferences
- 3) Support Excellence in Education by fostering the development of innovative, relevant and effective chemistry-related education in response to COVID-19
- 4) Communicate Chemistry's Value by publishing informational videos and encouraging active engagement of ACS experts with the media and in government

The continued spread of COVID-19 and its impact on social interaction, travel, economies, and financial markets may adversely affect the Society's operations and financial condition.

Recently Adopted Accounting Pronouncements

In June 2018, the FASB issued ASU 2018-08, *Not-for-Profit Entities – Clarifying the Scope and Accounting Guidance for Contributions Received and Contributions Made* (Topic 958). This ASU provides a more robust framework to determine when a transaction should be accounted for as a contribution or as an exchange transaction and provides additional guidance about how to determine whether a contribution is conditional. ACS adopted the requirements of ASU 2018-08 for contributions received in 2019 and contributions made in 2020 under the modified prospective approach. The adoption of this ASU for contributions received did not have a material impact on the consolidated financial statements. The adoption of this ASU for contributions made resulted in an accounting change for research grants made by the Society (refer to Research Grants policy above). As a result, research grants will be recognized as conditional contributions made over the period of performance. Prior to the adoption, research grants were recognized immediately upon approval by the Board of Directors. Under modified prospective transition, no adjustments were made to 2019 and there were no open grants, for which expense had not previously been recognized, as of January 1, 2020 which required adjustment.

The Society awarded grants of \$18,039,000 in 2020, which are conditional contributions made. Grant expense of \$1,744,000 is reflected in the consolidated statement of activities for the year ended December 31, 2020.

In February 2016, the FASB issued ASU 2016-02, *Leases* (Topic 842). ASU 2016-02 requires recognition of rights and obligations arising from lease contracts as assets and liabilities on the statement of financial position. ACS adopted Topic 842 in 2020 with no material impact on the consolidated financial statements.

3. ACCOUNTS RECEIVABLE

Accounts receivable consisted of the following as of December 31 (in thousands):

	 2020	2019		
Accounts Receivable	\$ 56,979	\$	52,088	
Less Allowance for Doubtful Receivables	 4,986		2,641	
Accounts Receivable, Net	\$ 51,993	\$	49,447	

4. INVESTMENTS AND FAIR VALUE OF FINANCIAL INSTRUMENTS

The following tables summarize the Society's investments and other financial instruments measured at fair value on a recurring basis according to the classification hierarchy as of December 31, 2020 and 2019 (in thousands):

December 31, 2020	Me	stments easured NAV (1)	 Level 1	 Level 2	Leve	I 3	 Total
Deferred Compensation Plan Assets	\$	-	\$ 13,691	\$ -	\$	-	\$ 13,691
Foreign Currency Forward Contracts		-	-	(3,336)		-	(3,336)
Investments:							
Cash Equivalents		-	32,963	6,455		-	39,418
Fixed Income:							
U.S. Government and Agencies		-	169,280	66,603		-	235,883
Foreign		-	32	185,106		-	185,138
Corporate and Other		1,666	68	174,841		-	176,575
Equity:							
Domestic		-	17,179	452,225		-	469,404
Foreign		263,820	8,276	45,546		-	317,642
Hedge Funds		75,388	-	-		-	75,388
Private Real Estate		54,441	 -	-			 54,441
Total Investments		395,315	227,798	930,776		-	1,553,889
Unsettled Transactions primarily for							
U.S. Treasuries and TBA Securities		(174)	 (28,541)	(46,234)			 (74,949)
Net Investment Pools		395,141	 199,257	884,542			 1,478,940
Total Financial Instruments	\$	395,141	\$ 212,948	\$ 881,206	\$	-	\$ 1,489,295

Investments Measured

December 31, 2019	a	t NAV (1)	Level 1	Level 2	Lev	vel 3	 Total
Cash Equivalents	\$	-	\$ 7,203	\$ -	\$		\$ 7,203
Deferred Compensation Plan Assets		-	11,868	-		-	11,868
Foreign Currency Forward Contracts		-	-	1,727		-	1,727
Investments:							
Cash Equivalents		-	28,429	8,845		-	37,274
Fixed Income:							
U.S. Government and Agencies		-	110,884	91,023		-	201,907
Foreign		-	259	147,578		-	147,837
Corporate and Other		-	45	172,392		-	172,437
Equity:							
Domestic		-	15,228	382,816		-	398,044
Foreign		182,802	7,599	43,611			234,012
Hedge Funds		33,379	-	-		-	33,379
Private Real Estate		53,256	 -	 			53,256
Total Investments		269,437	162,444	846,265		-	1,278,146
Unsettled Transactions primarily for							
U.S. Treasuries and TBA Securities		(115)	 (51,890)	 (16,645)			 (68,650)
Net Investment Pools		269,322	110,554	829,620			1,209,496
Total Financial Instruments	\$	269,322	\$ 129,625	\$ 831,347	\$	-	\$ 1,230,294

(1) Certain investments are measured at fair value using NAV as a practical expedient and have not been classified in the fair value hierarchy. The NAV amounts have been presented to permit reconciliation of the fair value hierarchy to the amounts presented in the statements of financial position.

The following estimates and assumptions were used to determine the fair value of financial instruments within the fair value hierarchy:

- Cash equivalents Cash equivalents consist of money market funds, and collateral held by custodians.
 Money market funds are classified as Level 1 given that they are valued at amortized cost, which approximates fair value. Cash equivalents held as collateral by custodians are classified as Level 2 based on prices for similar assets.
- Deferred compensation plan assets The Society offers a non-qualified tax-advantaged deferred-compensation retirement plan to certain employees per Section 457 of the Internal Revenue Code. Assets of the plan comprise 26 mutual funds that are actively traded on major exchanges and are classified as Level 1.
- Foreign currency forward contracts Foreign currency forward contracts are derivative instruments and recognized at fair value based on quoted prices, in active markets, for similar contracts and are classified as Level 2.
- Fixed income securities Fixed income securities primarily include U.S. Treasury issues, U.S. government and agency issues, corporate securities, mortgage-backed securities, asset-backed securities, municipal bonds, fixed income mutual funds, forward purchases and sales, and credit default swaps. U.S. Treasury issues and certain fixed income mutual funds are valued using quoted prices in active markets for identical assets and are classified as Level 1. Fair values of investments in commingled funds, similar to mutual funds, that are deemed to have a readily determinable fair value, but not actively traded, are measured at published NAV and are classified as Level 2. The remainder of this investment class is valued using quoted prices in active markets for similar securities and is classified as Level 2.

• Equity investments – Equity investments consist primarily of common stock held in mutual funds, separate accounts, and commingled trust funds. Securities traded on active exchanges are priced using unadjusted market quotes for identical assets and are classified as Level 1. Securities that are traded infrequently or that have comparable traded assets are priced using available quotes and other market data that are observable and are classified as Level 2. Fair values of investments in commingled funds, similar to mutual funds, that are deemed to have a readily determinable fair value, but not actively traded, are measured at published NAV and are classified as Level 2.

The Society maintains balanced investment portfolios structured to generate current income and long-term appreciation.

Liquidity and Certain Strategies

Investment liquidity of investments measured at NAV is aggregated below based on redemption or sale periods (in thousands):

December 31, 2020		ess Than	0	wartorly	Redemption Not Permitted During > 1 Year Life of Fund Total						
December 31, 2020	<u></u>	30 Days		Quarterly		Tear	LITE	oi Fulia		TOLAI	
Fixed Income Corporate and Other	\$	-	\$	-	\$	_	\$	1,666	\$	1,666	
Equity:											
Foreign		263,646		-		-		-		263,646	
Hedge Funds		-		75,388		-		-		75,388	
Private Real Estate				51,381		-		3,060		54,441	
Total Investments	\$	263,646	\$	126,769	\$	-	\$	4,726	\$	395,141	

	L	ess Than					Perr	ption Not nitted ring		
December 31, 2019	;	30 Days		uarterly	> 1 Year		Life of Fund		Total	
Equity:										
Foreign	\$	182,687	\$	-	\$	-	\$	-	\$	182,687
Hedge Funds		-		33,379		-		-		33,379
Private Real Estate		-		53,256		-		-		53,256
Total Investments	\$	182,687	\$	86,635	\$	-	\$	-	\$	269,322

The Society's investments carried at NAV as a practical expedient include commingled funds (both fixed income and equity) hedge funds, and private real estate. The commingled funds have redemption notice periods of 1-5 days, the hedge funds have 65-day redemption notice periods, and certain private real estate has a redemption notice period of 60 days.

The following investments do not permit redemption during the life of the fund:

- Corporate and Other During 2020, the Society made an investment in a private drawdown fund that makes
 collateralized short-term loans. Distributions are received through the liquidation of the underlying assets. It
 is estimated that the underlying assets will be liquidated within 8 years. As of December 31, 2020, this
 investment had unfunded commitments of \$10,334,000
- Private Real Estate During 2020, the Society made an investment in a net lease real estate vehicle that
 provides sale-leaseback financing to less-than-investment grade owner-occupiers of corporate real estate.
 Distributions are received through the liquidation of the underlying assets. It is estimated that the underlying
 assets will be liquidated within 12 years. As of December 31, 2020, this investment had unfunded
 commitments of \$8,785,000.

The Society had no unfunded commitments as of December 31, 2019.

The significant strategies of the commingled funds, hedge funds, and private real estate are as follows:

- Fixed income and equity commingled funds are similar to mutual funds except that of an institutional
 investor class and for which NAV is not priced daily or published. Fixed income funds invest in securities to
 generate a total return, consisting of income and capital appreciation, while preserving capital. Equity
 investment funds invest in securities to achieve long-term growth primarily in a diversified portfolio of global
 equity securities that possess fundamental investment value.
- Hedge funds includes an investment in a fund of hedge funds that contains 20 underlying hedge funds.
 The underlying hedge funds employ a variety of different strategies including long/short equity, fixed income
 arbitrage, distressed debt, credit and capital structure arbitrage, merger arbitrage, volatility arbitrage, and
 global asset allocation.
- Private Real Estate consists primarily of an investment in a core-plus fund that contains 61 underlying assets in the following sectors: 48% Office, 26% Industrial, 21% Residential and 5% Retail. This allocation also includes a small investment in a net lease focused fund with a diversified portfolio of office and industrial properties.

Investment Derivatives

The Society's investment managers may employ derivatives involving contractual or optional commitments for future settlement in order to manage market risks, arbitrage mispricing of securities, or replicate long or short positions in a cost effective manner. In no instance are derivatives used to speculate or leverage positions. Types of derivatives utilized include foreign currency contracts, credit and interest rate default swaps, and financial futures.

The following tables provide the fair value of investment derivatives as of December 31, 2020 and 2019 and gains and losses for the years ended December 31, 2020 and 2019 (in thousands):

	2020								
	Assets		Liabilities		Gains	(Losses)			
Derivatives:									
Foreign Currency Contracts	\$	32,591	\$	(32,375)	\$	216			
Credit Default Swaps		2,373		(56)		538			
Interest Rate Swaps		1,288		(685)		458			
Financial Futures and Other		199		(429)		(183)			
Total Derivatives	\$	36,451	\$	(33,545)	\$	1,029			

	2019								
	Assets		Liabilities		Gains	s (Losses)			
Derivatives:									
Foreign Currency Contracts	\$	30,583	\$	(30,331)	\$	252			
Credit Default Swaps		378		(38)		112			
Interest Rate Swaps		1,411		(270)		1,016			
Financial Futures and Other		542		(1,277)		(699)			
Total Derivatives	\$	32,914	\$	(31,916)	\$	681			

As of December 31, 2020 and 2019, the foreign currency contracts had a notional value of \$32,026,000 and \$30,099,000, respectively.

As of December 31, 2020 and 2019, the total notional amount of credit default swap contracts for sell protection amounted to \$21,271,000 and \$(5,065,000), respectively. There were \$79,210,000 and \$9,147,000 buy protection credit default swaps as of December 31, 2020 and December 31, 2019, respectively.

The notional amounts related to interest rate swap contracts that pay based on fixed rates at December 31, 2020 and 2019 were \$317,779,000 and \$302,420,000, respectively. There were no notional amounts related to interest rate swap contracts that pay based on floating rates at December 31, 2020 or 2019.

Financial futures contracts had a notional value of \$(101,318,000) and \$120,542,000 at December 31, 2020 and 2019, respectively.

Other Derivative Instruments

<u>Foreign Currency Forward Contracts</u> – The Society had unrealized loss of \$4,370,000 and unrealized gain of \$348,000 for the years ended December 31, 2020 and 2019, respectively. The unrealized gains or losses are included in non-operating activities in the consolidated statements of activities.

The Society's foreign currency forward contracts are held with one counterparty and are subject to a master netting agreement, which allows for net settlement of positions with the counterparty. The foreign currency forward contracts are presented net in the consolidated statements of financial position within accounts receivable, accounts payable, and deferred revenue. The fair value of the foreign currency forward contracts as of December 31, 2020 and 2019 was as follows (in thousands):

				2020			
	As	Assets Liabilities			s Net		
Foreign Currency Forwards	\$	32	\$	(3,368)	\$	(3,336)	
2019							
	As	Assets Liabilities				Net	
Foreign Currency Forwards	\$	1,969	\$	(242)	\$	1,727	

The following table summarizes the notional amounts relating to unsettled foreign currency forward contracts maturing at various times through 2023 (in thousands):

	 2020		2019
Contracts maturing in 2020	\$ -		72,339
Contracts maturing in 2021	76,354		40,437
Contracts maturing in 2022	43,071		4,472
Contracts maturing in 2023	 4,531		
Total Notional Amount of Unsettled Forward Contracts	\$ \$ 123,956		117,248

In addition to unrealized gains and losses on foreign currency forward contracts, the Society incurred realized gains and losses throughout the year. To the extent that actual remittances in foreign currencies differ from contracted amounts and the exchange rates at time of settlement are different from contracted exchange rates, the Society 'realizes gains or losses on settlement. The Society recorded a realized loss of \$130,000 and a realized gain of \$25,000 in 2020 and 2019, respectively, from foreign exchange transactions.

5. LIQUIDITY AND AVAILABILITY OF FINANCIAL ASSETS

Financial assets available for general expenditure within one year of December 31, 2020 and 2019 are as follows (in thousands):

	 2020	 2019	
Cash and Cash Equivalents	\$ 77,814	\$ 87,309	
Accounts Receivable	51,687	43,164	
Operating Investments	 601,242	 455,675	
Total Financial Assets Available Within One Year	\$ 730,743	\$ 586,148	

The Society manages its financial assets to be available as its operating expenditures, liabilities and other obligations come due and to comply with financial guidelines approved by the Society's Board of Directors. Cash in excess of daily requirements is invested short-term in interest-bearing deposit accounts, money market funds, and commercial paper. The Society's operating investments contain short-term and long-term instruments. The Society also has a long-term investment vehicle which is a diversified investment pool with an objective of achieving long-term growth while also producing current income; the underlying investments can be liquidated within one year.

6. BUILDINGS, LAND AND OTHER PROPERTY, NET

As of December 31, buildings, land and other property consisted of the following (in thousands):

	 2020	2019		
Software	\$ 214,415	\$	195,438	
Buildings and Improvements	122,832		118,858	
Hardware, Furniture and Equipment	90,634		84,252	
Land	 2,930		2,930	
Total Cost of Buildings, Land and Other Property	430,811		401,478	
Less Accumulated Depreciation and Amortization	 297,518		269,358	
Buildings, Land and Other Property, Net	\$ 133,293	\$	132,120	

7. LONG-TERM DEBT

As of December 31, 2020 long-term debt is comprised of the following (in thousands):

	 2020
Series 2020 Taxable Bonds Interest rate 3.78%,	
due March 1, 2050	\$ 60,750
Unamortized Debt Issuance Costs	(65)
Unamortized Debt Discount	 (348)
Long-Term Debt, Net	\$ 60,337

ACS issued Series 2020 Taxable Bonds in May 2020 to support operational priorities of the Society. Substantially all of the proceeds from the issuance were deposited to the asset pool that funds the Society's closed defined benefit retirement plan. Interest on the bonds is payable semiannually every March 1 and September 1. Bonds will mature on March 1, 2050 and are subject to an optional redemption in part or in whole on or before September 1, 2049. The redemption price of the Bonds equal 100% of the principal amount being redeemed plus sum of present value of the remaining schedule payments of interest to the maturity date plus accrued interest. There are no financial covenants or stand-by credit facilities associated with the bonds.

Interest expense recognized in 2020 was \$1,422,000.

8. POSTRETIREMENT BENEFITS

<u>Defined-Benefit Pension Plan</u> - The Society has a funded noncontributory defined-benefit pension plan (the Plan), which is qualified under Section 401(a) of the Internal Revenue Code and covers employees hired prior to September 1, 2007. The Society makes actuarially determined contributions to satisfy all funding requirements. Effective September 1, 2007, the Plan was closed to new employees. Effective October 31, 2009, the Society froze benefit accruals associated with the Plan, and all participants were transitioned to a defined-contribution retirement plan. As discussed in Note 7, the Society issued debt to fund the defined benefit pension plan in 2020.

<u>Defined-Contribution Retirement Plan (DCRP) and ACS ERISA 403(b) Plans</u> – The Society's 401(a) DCRP and the ACS ERISA 403(b) plans are available to substantially all employees. The DCRP provides an employer contribution equal to 6% of base pay, plus an employer match equal to 50% of the first 6% a participant contributes to the DCRP and/or the ACS ERISA 403(b) plan, a tax-deferred investment program. Employer contributions to the DCRP totaled \$16,781,000 and \$16,533,000 in 2020 and 2019, respectively.

<u>Postretirement Medical Plan</u> – The Society provides postretirement medical benefits to all benefit-eligible employees who were employed as of October 31, 2001, have at least five years of service, reach retirement age while employed by the Society, and are collecting retirement benefits from the defined-benefit pension plan. The postretirement medical plan is contributory with participants' contributions adjusted annually. The prescription benefit is actuarially equivalent to Medicare Part D and eligible for the federal subsidy. The Society's contributions toward the overall cost of postretirement medical insurance for both current and future eligible retirees were capped at the 2009 level.

Effective January 1, 2016, the Society adopted a Medicare Advantage Plan for eligible retirees and spouses who are at least 65 years old. The Medicare Advantage Plan continues to provide eligible retirees with an option for medical coverage.

The following tables present the change in benefits obligations, change in plan assets, and the composition of accrued benefits costs and amounts recognized in the accompanying consolidated statements of financial position and consolidated statements of activities for the years ended December 31, 2020 and 2019 (in thousands).

Defined-Benefit Pension and Postretirement Medical Plans

		Defined- Pension			Postretirement Medical Plan					
		2020		2019		2020		2019		
Change in Benefits Obligation										
Benefits Obligation at January 1	\$	739,040	\$	672,225	\$	45,463	\$	44,499		
Service Cost		-		-		512		502		
Interest Cost		22,715		27,938		1,376		1,822		
Plan Participants' Contributions		-		-		2,095		2,057		
Actuarial Loss		46,864		78,946		4,111		542		
Benefits and Administrative Fees Paid	(40,646)			(40,069)		(4,824)		(3,959)		
Benefits Obligation at December 31	767,973			739,040		48,733		45,463		
Change in Fair Value of Plan Assets										
Plan Assets at January 1		684,758		594,832		-		-		
Actual Return on Plan Assets		88,265		114,995		-		-		
Employer Contributions		60,000		15,000		2,729		1,902		
Plan Participants' Contributions		-		-		2,095		2,057		
Benefits and Administrative Fees Paid		(40,646)		(40,069)		(4,824)		(3,959)		
Plan Assets at December 31		792,377		684,758						
Funded Status	\$	24,404	\$	(54,282)	\$	(48,733)	\$	(45,463)		
	Defined-Benefit Pension Plan				Postretirement Medical Plan					
		2020		2019		2020		2019		
Amounts Recognized in the Consolidated										
Statements of Financial Position	\$	24,404	\$	(54,282)	\$	(48,733)	\$	(45,463)		
Net Asset (Liability) at December 31	\$	24,404	\$	(54,282)	\$	(48,733)	\$	(45,463)		
Amounts Recognized in Net Assets					-					
Without Donor Restrictions not										
yet in Net Periodic Costs										
Unrecognized Loss	\$	213,911	\$	230,584	\$	24,149	\$	22,385		
Unrecognized Prior Service Credit		-				(3,705)		(4,807)		
Net Recognized in Net Assets										
Without Donor Restrictions	\$	213,911	\$	230,584	\$	20,444	\$	17,578		

The estimated net actuarial loss for the defined-benefit pension plan that will be amortized from non-operating income for 2020 is \$6,094,000.

The estimated net actuarial loss and prior service credit for the postretirement medical plan that will be amortized from non-operating income for 2020 are \$2,546,000 and \$(1,103,0000), respectively.

Components of Net Periodic Benefit Cost (Credits) for the Year Ended December 31 (in thousands):

		Defined	-Ben	efit	Postretirement					
	Pension Plan					Medica	al Plaı	i Plan		
	2020			2019		2020	2019			
Service Cost	\$	-	\$	-	\$	512	\$	502		
Interest Cost		22,715		27,938		1,376		1,822		
Expected Return on Plan Assets		(31,570)		(32,262)		-		-		
Amortization of Prior Service Credits		-		-		(1,103)		(1,102)		
Amortization of Net Actuarial Loss		6,842		7,360		2,347		2,521		
Net Periodic Benefit Cost (Credits)	\$	(2,013)	\$	3,036	\$	3,132	\$	3,743		

Other Changes in Plan Assets and Benefits Obligations Recognized in Non-Operating Activities:

The following table provides information for other changes in plan assets and benefits obligations recognized in net assets without donor restrictions for the years ended December 31 (in thousands):

		Defined Pensio			Postretirement Medical Plan			
	2020			2019		2020	2019	
Net Actuarial (Gain) Loss Amortization of Prior Service Credit Amortization of Net Actuarial Loss	\$	(9,831) - (6,842)	\$	(3,788) - (7,360)	\$	4,111 1,103 (2,347)	\$	542 1,102 (2,521)
Total Recognized in Net Assets Without Donor Restriction	\$	(16,673)	\$	(11,148)	\$	2,867	\$	(877)

Assumptions

Assumptions used to determine benefits obligations at December 31 are as follows:

	Defined	-Benefit	Postret	irement		
	Pensio	on Plan	Medical Plan			
	2020	2019	2020	2019		
Discount Rate	2.42%	3.16%	2.36%	3.13%		
Mortality Projection Scales	MP-2020	MP-2019	MP-2020	MP-2019		

Assumptions used to determine net periodic benefit cost for the years ended December 31 are as follows:

		-Benefit		irement			
	Pension	on Plan	Medical Plan				
	2020	2019	2020	2019			
Discount Rate	3.16%	4.28%	3.13%	4.25%			
Expected Return on Plan Assets	3.00%	4.75%	N/A	N/A			

The Society determines the long-term expected rate of return on plan assets by examining historic capital market returns, correlations between asset classes, and the Plan's normal asset allocation. Current and near-term market factors such as inflation and interest rates are then evaluated to arrive at the expected return on plan assets. Peer group and benchmarking data are also reviewed to ensure a reasonable return assumption.

Plan Assets

The Society's defined-benefit pension plan asset allocation as of December 31, by asset category, is as follows:

	Plan As	sets
	2020	2019
Domestic Equities	4%	9%
Foreign Equities	2%	5%
Fixed Income Securities	94%_	86%
Total	100%	100%

During 2020, the Society increased its funding to the defined benefit pension plan and modified its asset allocation in line with the increase in its funded status. The Society employs a total return on investment approach based on modern portfolio theory. Multiple asset classes are implemented in order to obtain the benefits of diversification and maximize long-term total return for a given level of risk. Risk tolerance is developed by reviewing the funded status of the Plan, the duration of the Plan liabilities, the income and liquidity requirements, legal constraints, and the financial condition of the Society.

The investment portfolio is comprised of a diversified combination of domestic equities, foreign equities, and fixed income securities. The investment policy incorporates a liability-driven investment approach that focuses on the funded status of the Plan and seeks to match the duration of the assets with that of the liabilities. As the Plan's funded status improves, asset allocation will be directed more toward long duration fixed income securities. The allocation among domestic equities, foreign equities, and fixed income securities is determined by the funded status of the Plan, prevailing market conditions, and relative valuations between asset classes. The Plan's financial condition is monitored on an ongoing basis by means of monthly funding reviews, quarterly investment portfolio reviews, an annual independent actuarial valuation, and periodic asset/liability studies.

The Society utilizes the best information available in measuring fair value of the Plan's assets and liabilities, and they are classified based on the lowest level of input that is significant to the fair value measurement. The fair value measurement principles for the Plan's assets are consistent with those disclosed in Note 2.

The following tables summarize valuations of the Society's defined-benefit pension plan assets according to the fair value hierarchy as of December 31, 2020 and 2019 (in thousands):

December 31, 2020	N	restments leasured : NAV (1)	Level 1	Level 2	Level 3	 Total
Cash Equivalents	\$	35,939	\$ 6,963	\$ 1,769	\$ -	\$ 44,671
Fixed Income:						
U.S. government and agencies		-	125,389	8,002	-	133,391
Foreign		-	-	115,930	-	115,930
Corporate and Other		184,490	-	262,311	-	446,801
Equity:						
Domestic		-	-	31,686	-	31,686
Foreign		18,627	-	-	-	18,627
Unsettled Transactions, Net (2)		-	1,271	-	-	1,271
Net Plan Assets	\$	239,056	\$ 133,623	\$ 419,698	\$ -	\$ 792,377

Investments Measured

December 31, 2019	at	t NAV (1) Level 1		Level 1 Level 2		Level 3			Total		
Cash Equivalents	\$	7,436	\$	-	\$	3,677	\$	-	\$	11,113	
Fixed Income:											
U.S. government and agencies		-		191,027		3,493		-		194,520	
Foreign		-		39		105,647		-		105,686	
Corporate and Other		60,696		-		295,444		-		356,140	
Equity:											
Domestic		-		-		62,902		-		62,902	
Foreign		33,760		-		977		-		34,737	
Unsettled Transactions, Net (2)		-		(80,340)		-		-		(80,340)	
Net Plan Assets	\$	101,892	\$	110,726	\$	472,140	\$		\$	684,758	

- (1) Certain investments are measured at fair value using NAV as a practical expedient and have not been classified in the fair value hierarchy. The NAV amounts have been presented to permit reconciliation of the fair value hierarchy to the amounts reported as total plan assets.
- (2) Includes pending settlements for TBA securities and purchased securities.

Liquidity and Certain Strategies

Plan assets, inclusive of investments stated at NAV as a practical expedient, have redemption liquidity of less than 30 days with no significant notice periods. The Plan has no investment funding commitments.

Derivatives

The Plan's fixed income investment manager may employ derivatives in order to manage market risks, arbitrage mispricing of securities, or replicate long or short positions in a cost-effective manner. In no instance are derivatives used to speculate or leverage positions.

The following tables provide the fair value of plan asset derivative agreements as of December 31, 2020 and 2019, and gains and losses for the years ended December 31, 2020 and 2019 (in thousands):

2020									
	abilities	s Gains (Losses)							
\$	28,114	\$	(27,991)	\$	123				
	15		(279)		54				
	57		(520)		(462)				
	373		(516)		179				
\$	28,559	\$	(29,306)	\$	(106)				
		15 57 373	\$ 28,114 \$ 15 57 373	Assets Liabilities \$ 28,114 \$ (27,991) 15 (279) 57 (520) 373 (516)	Assets Liabilities Gains \$ 28,114 \$ (27,991) \$ 15 (279) 57 (520) 373 (516)				

	2019											
		Assets	Li	abilities	Gains (Losses)							
Derivatives:												
Foreign Currency Contracts	\$	25,112	\$	(25,087)	\$	25						
Credit Default Swaps		1,376		(1,131)		674						
Interest Rate Swaps		2,823		(2,841)		1,537						
Financial Futures and Other		657		(1,349)		(581)						
Total Derivatives	\$	29,968	\$	(30,408)	\$	1,655						

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As of December 31, 2020, and 2019, the foreign currency contracts had a notional value of \$28,030,000 and \$24,936,000, respectively.

The total notional amount of credit default swap contracts for buy protection as of December 31, 2020 and 2019 amounted to \$3,100,000 and \$50,588,000, respectively. The notional amount related to sell protection amounted to \$900,000 and \$28,400,000 as of December 31, 2020 and 2019, respectively.

The notional amount of interest rate swap contracts that pay based on fixed rates at December 31, 2020 and 2019 was \$86,530,000 and \$288,364,000, respectively. There were no notional amounts related to interest rate swaps that pay based on floating rates for 2020 or 2019.

The Plan does not have significant positions with any one counterparty.

Projected Benefit Payments - The following are expected benefits payments in future years (in thousands):

	Defined-E Pension Payme	Postretirement Medical Plan Payments			
Fiscal year 2021		41.043	\$	3,198	
Fiscal year 2022	·	41,716	Ψ	3,144	
Fiscal year 2023	4	42,213		3,103	
Fiscal year 2024	4	42,734		3,074	
Fiscal year 2025	4	43,175		3,031	
Fiscal years 2026–2030	2	14,851		14,265	

9. PETROLEUM RESEARCH FUND

The American Chemical Society Petroleum Research Fund is a donor-restricted endowment fund established on October 25, 2000 as a result of The Agreement of Transfer of Trust (the Agreement) between the Society and Morgan Guaranty Trust Company of New York, approved by the Attorney General for the State of New York, and ordered by the Supreme Court of New York. The Agreement dissolved the Petroleum Research Fund Trust (the Trust) and transferred the assets to the Society to create the American Chemical Society Petroleum Research Fund (the PR Fund), the purpose of which is the same as the Trust. The Agreement made the Society responsible for the management and administration of the Fund in an account separate and apart from any other accounts of the Society. As a result of the transfer, the historic dollar value for the Fund was established at \$72,500,000, the value of the securities originally donated in 1944 to create the Trust. This amount must be held inviolate as donor-restricted net assets.

The assets of the Fund consist primarily of domestic equities, foreign equities, fixed income securities and hedge funds. Under the terms of the Agreement, annual payouts from the Fund are capped at a maximum spending rate of 4% of the net asset value of the Fund over a rolling three-year average. The Society uses distributions from the Fund to make grants for advanced scientific education and fundamental research in the petroleum field.

The Fund awarded grants of \$18,039,000 in 2020 and \$17,555,000 in 2019. As of December 31, 2020, and as a result of the adoption of ASU 2018-08 effective January 1, 2020, the Society's conditional commitment for 2020 awards aggregated \$16,295,000 which will be recognized over the award period. Refer to Recently Adopted Accounting Pronouncements in Note 2.

10.NET ASSETS

The following is a summary of net assets at December 31 (in thousands)

	2020				
Without Donor Restrictions					
Insurance Trust	\$	35,644	\$	37,696	
Board Designated - ACS Programs		2,886		2,347	
Other Net Assets		550,141		406,189	
Total Without Donor Restrictions		588,671		446,232	
With Donor Restrictions					
PR Fund		689,640		600,094	
ACS Programs		151,175		130,044	
Total With Donor Restrictions		840,815		730,138	
Total Net Assets	\$	1,429,486	\$	1,176,370	

Net assets released from restriction were \$10,619,000 and \$28,180,000 for the years ended December 31, 2020 and 2019, respectively and primarily represents grant and scholarship programs.

11.ENDOWMENT AND GENERAL FUND

The Society has invested its Endowment (Endowment) and its general operating fund (General Fund) in a single unitized investment pool. The spending policy, return objective and risk parameters, and strategies employed for achieving objectives are applied across the investment pool.

The Endowment provides stable financial support to a wide variety of programs and activities in perpetuity, playing a critical role in enabling the Society to achieve its mission. Programs supported by the Endowment include scholarships, grants and awards as well as assistance to educational and membership programs. The Endowment includes both donor-restricted endowment funds and funds designated by the Society's Board of Directors to function as endowments (Board Designated Endowment Funds). Net assets associated with endowment funds, including funds designated by the Board to function as endowments, are classified and reported based on the existence or absence of donor-imposed restrictions. While the Society has invested its General Fund within the unitized investment pool, the General Fund is not a Board Designated Endowment.

Interpretation of Relevant Law

The Society's Board of Directors evaluated the Uniform Prudent Management of Institutional Funds Act (UPMIFA) and decided to continue to require the preservation of the historical cost of the original gift, as of the gift date, of the donor-restricted endowment funds absent explicit donor stipulations to the contrary. As a result, the Society classifies as net assets with donor restriction the sum of a) the original value of gifts donated to the donor-restricted endowments, b) the original value of subsequent gifts to donor-restricted endowments, c) additions to the donor-restricted endowments made in accordance with explicit donor instructions stipulated in the gift instruments and d) the appreciation on donor-restricted endowment funds until those amounts are made available for expenditure in a manner consistent with the donor gift instrument, the program operating budgets, and the standard of prudence prescribed by UPMIFA.

In accordance with UPMIFA, the Society considers the following factors in making a determination as to the preservation and use of the donor-restricted endowment funds: the donor gift instrument; the duration and preservation of the fund; the purposes of the Society and the fund; general economic conditions; the effect of inflation and deflation; expected total return from income and the appreciation of investments; other resources of the Society; and the Society's investment policies.

Spending Policy

On January 1, 2020, the Society's Board Committee on Pensions and Investments established a total return spending policy, inclusive of the General Fund. The spending policy is designed to stabilize annual amounts available to support endowed programs and preserve portfolio values by ensuring a portion of investment return is distributed to operations in the form of payout for current expenditure with the remainder reinvested to shield against inflation. The annual payout is intended to approximate 4% of the trailing three-year average market value of the unitized investment pool.

Prior to January 1, 2020, funds were appropriated from the endowment funds when expenses were approved by management. Expenditures of endowment assets are recorded in accordance with the explicit donor instructions stipulated in the gift instruments.

Accumulated appreciation in endowment funds with donor-restricted corpus is classified as net assets with donor restrictions until appropriated for spending under the spending policy. At the time of appropriation, the amount of investment income necessary to satisfy the spending policy for the endowment fund and related purpose restrictions, if applicable, is reflected as a net assets released from restriction for donor restricted endowment funds (if the restriction was satisfied), which reduces net assets with donor restrictions and increases net assets without donor restrictions. Any excess of income earned over the approved spending amount is retained in net assets with donor restrictions within the endowment. Any appropriated amounts which have not yet been spent for their donor restricted purpose are retained in net assets with donor restrictions but are removed from the endowment.

Return Objective and Risk Parameters

The Investment Pool is invested in accordance with the Society's investment policies. The investment policies are intended to assure the Society's Board of Directors and the Board Committee on Pensions and Investments that the assets of the Society are being invested in accordance with the best long-term interests of the Society and its donors, given the following considerations: the Society's risk tolerance; the need to obtain real, or inflation-adjusted growth in its investments; and the requirement for current income to support programs and activities. Under the policies, as approved by the Board Committee on Pensions and Investments, Investment Pool assets are invested in a manner intended to provide sufficient inflation-adjusted returns to support annual spending policies and achieve real growth in the asset base while maintaining a moderate level of investment risk.

Strategies Employed for Achieving Objectives

To satisfy its long-term rate-of-return objectives, the Society relies on a total return strategy in which investment returns are achieved through both capital appreciation (realized and unrealized) and current yield (interest and dividends). The Society targets a diversified asset allocation that places a greater emphasis on equity-based investments to achieve its long-term return objectives within prudent risk constraints.

Underwater Endowment Funds

From time to time, the fair value of assets associated with donor-restricted endowment funds may fall below the original value. As of December 31, 2020 and 2019, there were no endowment funds with market value below the original gift amount.

Endowment net assets consist of the following as of December 31 (in thousands):

				2020			
	Without Donor		W	ith Donor		_	
	Rest	rictions	Re	strictions		Total	
Board Designated Endowment Funds Donor-Restricted Endowment Funds	\$	2,886	\$	-	\$	2,886	
Endowment Corpus		_		147,942		147,942	
Accumulated Investment Return				666,562		666,562	
Total Endowment Net Assets	\$	2,886	\$	814,504	\$	817,390	
				2019			
	Witho	ut Donor	W	ith Donor		_	
	Rest	rictions	Re	strictions	Total		
Board Designated Endowment Funds Donor-Restricted Endowment Funds	\$	2,347	\$	-	\$	2,347	
Endowment Corpus		_		147,297		147,297	
Accumulated Investment Return		-		576,789		576,789	
Total Endowment Net Assets		2,347	\$	724,086		726,433	

The following tables show the beginning balances of the Society's endowment funds as of January 1, changes in endowment net assets for the year, and ending balances as of December 31, 2020 and 2019, respectively (in thousands):

	2020											
	Witho	out Donor	W	ith Donor								
	Res	trictions	Re	strictions		Total						
Beginning Endowment Net Assets Investment Return	\$	2,347	\$	724,086	\$	726,433						
Investment Income Net Gains		49		15,762 99,272		15,811 99,272						
Investment Return, Net		49		115,034	-	115,083						
Contributions Appropriation of endowment assets		500		637		1,137						
for expenditure		(10)		(25,253)		(25,263)						
Ending Endowment Net Assets	\$	2,886	\$	814,504	\$	817,390						

	2019										
	Without Donor			th Donor		_					
	Rest	trictions	Re	strictions		Total					
Beginning Endowment Net Assets	\$	735	\$	635,931	\$	636,666					
Investment Return											
Investment Income		19		18,575		18,594					
Net Gains		108		93,893		94,001					
Investment Return, Net		127		112,468		112,595					
Contributions		1,500		1,228		2,728					
Appropriation of endowment assets											
for expenditure		(15)		(25,541)		(25,556)					
Ending Endowment Net Assets	\$	2,347	\$	724,086	\$	726,433					

In 2020, the Board approved appropriation from the General Fund was \$14,655,000 for operating support. As of December 31, 2020, the balance of the General Fund was \$603,225,000.

12. EXPENSES

The composition of expenses for the years ended December 31 is as follows (in thousands):

								2020						
		Compensation and Benefits		Professional Services		Materials and Supplies		Depreciation Expense		Grants and Assistance		Other Operating Expenses		Total
Program:		_										_		
Information Services	\$	199,078	\$	104,233	\$	37,274	\$	26,218	\$	397	\$	27,720	\$	394,920
Society Programs:														
Membership and Society Services		14,547		4,869		3,627		1,921		479		5,925		31,368
Education		7,142		1,826		1,249		331		3,449		1,950		15,947
Member Insurance Program		-		12,626		1		-		-		616		13,243
External Affairs and Communications		5,237		448		518		194		193		615		7,205
Scientific Advancement		3,810		773		435		216		2,010		423		7,667
Supporting:														
Finance, Administration and Human														
Resources		37,523		9,902		3,884		1,415		6		2,791		55,521
Information Technology		13,523		2,365		4,041		2,997		-		330		23,256
Marketing and Promotion		7,559		12,038		638		6		1		270		20,512
Total Operating Expenses 2020	\$	288,419	\$	149,080	\$	51,667	\$	33,298	\$	6,535	\$	40,640	\$	569,639

								2019					
		npensation d Benefits			Materials and Supplies		Depreciation Expense		Grants and Assistance		Other Operating Expenses		Total
Program:													
Information Services	\$	195,888	\$	101,836	\$	38,391	\$	26,348	\$	474	\$	32,087	\$ 395,024
Society Programs:													
Membership and Society Services		14,436		5,127		3,360		1,641		1,326		10,662	36,552
Education		7,247		1,755		1,234		357		4,019		2,643	17,255
Member Insurance Program		-		12,558		6		-		-		785	13,349
External Affairs and Communications		4,973		516		574		204		207		1,265	7,739
Scientific Advancement		3,800		660		464		164		17,643		1,218	23,949
Supporting:													
Finance, Administration and Human													
Resources		37,153		7,458		4,076		1,668		8		3,575	53,938
Information Technology		12,436		1,961		5,316		2,952		-		495	23,160
Marketing and Promotion		6,938		13,626		485		6		325		1,249	22,629
Total Operating Expenses 2019	\$	282,871	\$	145,497	\$	53,906	\$	33,340	\$	24,002	\$	53,979	\$ 593,595

Natural expense classes are comprised of Compensation and Benefits; Professional Services, which includes sales promotion and advertising services; Materials and Supplies, which includes building and office operations; Depreciation Expense; and Grants and Assistance, which includes research, travel and other grants, as well as fellowships and scholarships. Other Operating Expenses includes services related to conducting Society sponsored meetings and events and other expenses that support the operations of the Society.

Program services are comprised of Information Services and Society Programs. Information Services includes services performed by CAS (databases of chemical and related scientific information) and Publications Divisions (print and electronic scientific journals). Society Programs includes member-focused activities such as continuing education programs, national and regional meetings, employment services and public outreach, scientific advancement, as well as the member insurance program.

Supporting services include expenses associated with the institutional support of the Society, including administrative functions such as finance, human resources, the investment program, enterprise-wide technical infrastructure, promotion and marketing, and fundraising activities. The Society incurred direct fundraising expenses of \$1,326,000 in 2020 and \$1,385,000 in 2019. Expenses which are related to both program and supporting, including facilities and information technology costs, are allocated based on department headcount and salary.

13. COMMITMENTS AND CONTINGENCIES

Lawsuits and legal claims

The Society is involved in various claims and legal actions arising in the ordinary course of business. Based upon information currently available, management believes the ultimate disposition of these matters will not have a material adverse effect on the Society's consolidated financial position, change in net assets, or cash flows.

Uncertain tax provisions

The Society is subject to taxation in several jurisdictions and is currently under audit for the 2014-2020 tax years in a foreign territory, as a matter of conducting ordinary business activities in the country. The foreign tax authority has challenged the Society's position on its tax filing. The Society has appealed the tax rulings. Due to the uncertainty associated with the tax appeals, the Society has not recorded a provision in the consolidated financial statements. It is possible that at some future date, liabilities resulting from the audits could be incurred. Management intends to pursue all administrative and judicial remedies necessary to resolve the matter. Based on current legislation, and after consultation with outside tax advisors, management believes the ultimate resolution of the audits will not have a material adverse impact on the Society's financial condition taken as a whole.

14.SUBSEQUENT EVENTS

The Society has performed an evaluation of subsequent events through March 5, 2021, which is the date the consolidated financial statements were available to be issued, noting no adjustments or disclosures were required to the consolidated financial statements.