

Section I

Financial Statements

California Institute of Technology
Balance Sheets
At September 30, 2014 and 2013
(Dollars in Thousands)

	2014	2013
ASSETS		
Cash and cash equivalents (Notes B and D)	\$ 10,092	\$ 10,209
Accounts and notes receivable, net		
United States government	209,368	196,614
Other	29,762	19,676
Contributions receivable, net	92,385	77,898
Investments	2,501,865	2,392,563
Prepaid expenses and other assets	110,066	103,469
Deferred United States government billings	346,160	456,917
Property, plant, and equipment, net	<u>866,706</u>	<u>874,288</u>
Total assets	<u>\$ 4,166,404</u>	<u>\$ 4,131,634</u>
LIABILITIES and NET ASSETS		
Liabilities:		
Accounts payable and accrued expenses	\$ 277,776	\$ 240,148
Accrued compensation and benefits	184,764	168,765
Deferred revenue and refundable advances	44,549	34,605
Annuities, trust agreements, and agency funds	90,327	83,550
Bonds and notes payable	682,362	726,970
Accumulated postretirement benefit obligation	<u>369,244</u>	<u>515,032</u>
Total liabilities	<u>1,649,022</u>	<u>1,769,070</u>
Commitments and contingencies (Note L)		
Net assets:		
Unrestricted	708,350	665,085
Temporarily restricted	750,967	725,844
Permanently restricted	<u>1,058,065</u>	<u>971,635</u>
Total net assets	<u>2,517,382</u>	<u>2,362,564</u>
Total liabilities and net assets	<u>\$ 4,166,404</u>	<u>\$ 4,131,634</u>

The accompanying notes are an integral part of these financial statements.

California Institute of Technology
Statement of Activities
For the Year Ended September 30, 2014
(with summarized financial information for the year ended September 30, 2013)
(Dollars in Thousands)

	Unrestricted	Temporarily Restricted	Permanently Restricted	2014 Total	2013 Total
Operating revenues:					
Tuition and fees, net of student financial aid	\$ 36,307	\$ -	\$ -	\$ 36,307	\$ 35,216
Endowment spending distributed	45,723	62,363	-	108,086	102,162
Gifts and pledges	25,074	24,449	-	49,523	46,174
Grants and contracts:					
Jet Propulsion Laboratory - direct	1,560,024	-	-	1,560,024	1,399,531
United States government, Campus - direct	184,718	-	-	184,718	199,298
Other Campus - direct	22,521	-	-	22,521	23,741
Recovery of indirect costs and allowances	120,505	-	-	120,505	119,240
Auxiliary enterprises	27,562	-	-	27,562	31,631
Other	44,460	-	-	44,460	48,845
Net assets released from restrictions	100,252	(100,252)	-	-	-
Total operating revenues	2,167,146	(13,440)	-	2,153,706	2,005,838
Operating expenses:					
Compensation and benefits	351,490	-	-	351,490	349,643
Supplies and services	122,759	-	-	122,759	144,882
Subcontracts	38,355	-	-	38,355	32,798
Graduate fellowships	17,202	-	-	17,202	17,720
Depreciation, accretion, and amortization	67,170	-	-	67,170	67,406
Utilities	18,040	-	-	18,040	16,170
Interest	16,788	-	-	16,788	16,400
Jet Propulsion Laboratory	1,560,024	-	-	1,560,024	1,399,531
Total operating expenses	2,191,828	-	-	2,191,828	2,044,550
Results of operations	(24,682)	(13,440)	-	(38,122)	(38,712)
Non-operating changes:					
Investment return in excess of endowment spending	48,164	44,264	578	93,006	107,302
Endowment spending	1,975	2,712	758	5,445	6,066
Net assets released from restrictions	2,482	(2,482)	-	-	-
Gifts and pledges	-	2,871	68,752	71,623	49,754
Changes in fair value of interest rate swap	(7,792)	-	-	(7,792)	26,064
Non periodic changes in benefit obligations	40,627	-	-	40,627	41,284
Other	(1,057)	-	18	(1,039)	(178)
Interest	(8,930)	-	-	(8,930)	(9,455)
Redesignations and reclassifications of net assets	(7,522)	(8,802)	16,324	-	-
Total non-operating activities	67,947	38,563	86,430	192,940	220,837
Increase in net assets	43,265	25,123	86,430	154,818	182,125
Net assets at beginning of year	665,085	725,844	971,635	2,362,564	2,180,439
Net assets at end of year	\$ 708,350	\$ 750,967	\$ 1,058,065	\$ 2,517,382	\$ 2,362,564

The accompanying notes are an integral part of these financial statements.

California Institute of Technology
Statement of Activities
For the Year Ended September 30, 2013
(Dollars in Thousands)

	Unrestricted	Temporarily Restricted	Permanently Restricted	2013 Total
Operating revenues:				
Tuition and fees, net of student financial aid	\$ 35,216	\$ -	\$ -	\$ 35,216
Endowment spending distributed	44,671	57,491	-	102,162
Gifts and pledges	27,167	19,007	-	46,174
Grants and contracts:				
Jet Propulsion Laboratory - direct	1,399,531	-	-	1,399,531
United States government, Campus - direct	199,298	-	-	199,298
Other Campus - direct	23,741	-	-	23,741
Recovery of indirect costs and allowances	119,240	-	-	119,240
Auxiliary enterprises	31,631	-	-	31,631
Other	48,845	-	-	48,845
Net assets released from restrictions	85,160	(85,160)	-	-
Total operating revenues	2,014,500	(8,662)	-	2,005,838
Operating expenses:				
Compensation and benefits	349,643	-	-	349,643
Supplies and services	144,882	-	-	144,882
Subcontracts	32,798	-	-	32,798
Graduate fellowships	17,720	-	-	17,720
Depreciation, accretion, and amortization	67,406	-	-	67,406
Utilities	16,170	-	-	16,170
Interest	16,400	-	-	16,400
Jet Propulsion Laboratory	1,399,531	-	-	1,399,531
Total operating expenses	2,044,550	-	-	2,044,550
Results of operations	(30,050)	(8,662)	-	(38,712)
Non-operating changes:				
Investment return in excess of endowment spending	55,805	50,776	721	107,302
Endowment spending	2,322	3,119	625	6,066
Net assets released from restrictions	41	(41)	-	-
Gifts and pledges	-	406	49,348	49,754
Changes in fair value of interest rate swap	26,064	-	-	26,064
Non periodic changes in benefit obligations	41,284	-	-	41,284
Other	(193)	-	15	(178)
Interest	(9,455)	-	-	(9,455)
Resignations and reclassifications of net assets	(10,682)	(6,391)	17,073	-
Total non-operating activities	105,186	47,869	67,782	220,837
Increase in net assets	75,136	39,207	67,782	182,125
Net assets at beginning of year	589,949	686,637	903,853	2,180,439
Net assets at end of year	\$ 665,085	\$ 725,844	\$ 971,635	\$ 2,362,564

The accompanying notes are an integral part of these financial statements.

California Institute of Technology
Statements of Cash Flows
For the Years Ended September 30, 2014 and 2013
(Dollars in Thousands)

	2014	2013
Cash flows from operating activities:		
Increase in net assets	\$ 154,818	\$ 182,125
Adjustments to reconcile increase in net assets to net cash used in operating activities:		
Depreciation, accretion, and amortization	67,170	67,406
Changes in postemployment benefit obligations	(40,627)	(41,284)
Contributions restricted for long-term investment and capital projects	(68,053)	(45,632)
Investment return restricted for long-term investment and capital projects	(1,298)	(1,671)
Realized and unrealized gains on investments and swap	(152,178)	(197,318)
In-kind receipt of property, plant, and equipment	(1,337)	(693)
Changes in annuity and trust liabilities	932	(6,678)
Losses on disposals of property, plant, and equipment	1,201	1,721
Changes in assets and liabilities:		
Accounts and notes receivable, net	(10,985)	(2,233)
Contributions receivable, net	7,276	15,417
Prepaid expenses and other assets	(4,996)	(1,113)
Deferred United States government billings	110,757	118,807
Accounts payable and accrued expenses	13,618	(9,418)
Accrued compensation and benefits	15,999	8,228
Deferred revenue and refundable advances	9,944	4,277
Agency funds	1,172	935
Accumulated postretirement benefit obligation	(105,161)	(107,077)
Net cash used in operating activities	(1,748)	(14,201)
Cash flows from investing activities:		
Purchases of investments	(736,819)	(789,555)
Proceeds from sales and maturities of investments	797,199	813,680
Purchases of property, plant, and equipment	(59,632)	(65,394)
Proceeds from sale of property, plant, and equipment	2,270	37
Net cash provided by/(used in) investing activities	3,018	(41,232)
Cash flows from financing activities:		
Contributions restricted for long-term investment and capital projects	44,315	36,237
Investment return restricted for long-term investment and capital projects	1,298	1,671
Cash received under annuity and trust agreements	4,608	6,148
Cash payments made under annuity and trust agreements	(6,990)	(6,786)
Net (repayment)/borrowings of short-term debt	(44,618)	17,390
Net cash (used in)/provided by financing activities	(1,387)	54,660
Net decrease in cash and cash equivalents	(117)	(773)
Cash and cash equivalents at beginning of year	10,209	10,982
Cash and cash equivalents at end of year	\$ 10,092	\$ 10,209

The accompanying notes are an integral part of these financial statements.

A. Description of California Institute of Technology

California Institute of Technology (the "Institute") is a private, not-for-profit institution of higher education based in Pasadena, California. Founded in 1891, the Institute provides education and training services, primarily for students at the undergraduate, graduate, and postdoctoral levels, and performs research, training, and other services under grants, contracts, and similar agreements with sponsoring organizations, primarily departments and agencies of the government of the United States of America.

B. Summary of Significant Accounting Policies

Basis of Presentation

The accompanying financial statements include the accounts of the Institute's main campus and satellite facilities ("Campus"), as well as the Jet Propulsion Laboratory ("JPL"), a Federally Funded Research and Development Center managed by the Institute for the National Aeronautics and Space Administration ("NASA").

The Institute manages JPL under a cost-reimbursable contract with NASA. JPL's land, buildings, and equipment are owned by the United States government and are excluded from the Institute's financial statements. Receivables and liabilities arising from JPL's activities are reflected in the Institute's balance sheets. The direct costs of JPL's activities and the related reimbursement of those costs are segregated in the statements of activities. The management allowances earned under the NASA contract were \$21,000 for each of the years ended September 30, 2014 and 2013 and are included in recovery of indirect costs and allowances in the statements of activities.

The Institute's financial statements have been prepared on the accrual basis of accounting, in accordance with accounting principles generally accepted in the United States of America.

Net Assets

Net assets are classified into three categories according to donor-imposed restrictions or certain provisions of law or accounting standards: permanently restricted, temporarily restricted, and unrestricted.

Permanently restricted net assets include endowment gifts as well as certain charitable remainder trusts, pooled income funds, gift annuities, other split-interest agreements, and contributions receivable in which donors have stipulated that the original value of their contributions and, if applicable, any subsequent accumulations, be held in perpetuity.

Temporarily restricted net assets include endowment earnings related to permanent endowments that have not been appropriated for expenditures and gifts for which donor-imposed restrictions have not been met, including funds restricted for future capital projects, as well as certain charitable remainder trusts, pooled income funds, gift annuities, other split-interest agreements, and related contributions receivable. These restrictions are expected to be removed through the passage of time, the appropriation of endowment earnings by the Institute, and/or the Institute's incurrence of expenditures that meet donors' restrictions. Expirations of temporary restrictions on net assets are reported as releases from temporarily restricted to unrestricted net assets in the statements of activities. Donor-restricted gifts that

are received and either spent or deemed spent within the same fiscal year are reported as unrestricted revenues.

Unrestricted net assets are those not subject to donor-imposed restrictions or requirements for classification imposed by law or accounting standards.

Use of Estimates

The preparation of financial statements in conformity 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 disclosure of contingent assets and liabilities at the date of the financial statements and the reported amounts of revenues and expenses during the reporting period. Actual results could differ from those estimates.

Redesignations

Net assets related to certain contributions received in prior periods have been transferred among net asset categories due to changes in donor designations.

Reclassifications

Certain balances at September 30, 2013 have been reclassified to conform to the current year presentation.

Cash and Cash Equivalents

Cash and cash equivalents include bank account balances, investments in money market funds, and direct short-term investments that have remaining maturities of three months or less when purchased. The Institute classifies all cash and cash equivalents held as part of the investment portfolios as short-term investments. At September 30, 2014 and 2013, short-term investments, as disclosed in Note D, consisted of \$163,602 and \$195,902, respectively, in cash and cash equivalents. Carrying amounts of cash and cash equivalents approximate fair value due to the relatively short maturities of these instruments.

Under the Institute's cash management system, checks issued by the Institute but not yet cashed by recipients may result in overdraft balances for accounting purposes and are included in accounts payable and accrued expenses in the balance sheets if an overdraft situation exists. There were no overdrafts at September 30, 2014 and 2013.

Accounts and Notes Receivable

Accounts receivable under contracts and grants are carried at cost, less an allowance for doubtful accounts, which approximates fair value. The allowance for doubtful accounts was \$885 and \$918 at September 30, 2014 and 2013, respectively. Activity in the allowance account was not significant during the years ended September 30, 2014 and 2013.

Accounts receivable from students and employees of \$717 and \$2,237 at September 30, 2014 and 2013, respectively, are carried at cost. Doubtful accounts are charged to expense when they are deemed to become uncollectible. During the years ended September 30, 2014 and 2013, only minor amounts were written off as uncollectible. The value of receivables, which are carried at cost, approximates fair value.

California Institute of Technology
Notes to Financial Statements
September 30, 2014 and 2013
(Dollars in Thousands)

The Institute provides loans to students from both internal funds and from funds provided by the United States government under the Federal Perkins Loan Program. Loans that bear interest carry fixed rates. Most loans carry ten-year terms. Student loans receivable of \$6,608 and \$6,590 at September 30, 2014 and 2013, respectively, are carried at cost. Determination of the fair value of such notes is impracticable.

The Institute currently holds all loans to maturity. Loans to students are considered delinquent 10-90 days after a borrower misses a required payment. Delinquent interest-bearing loans continue to accrue interest. At September 30, 2014 and 2013, only immaterial amounts of loans were delinquent. No allowances have been recorded, and only minor amounts of loans are expected to become uncollectible. The principal credit quality indicator for such loans is collection experience. The Institute manages its credit risk by limiting amounts loaned per term, monitoring aggregate loan levels, and maintaining an active collections process with the assistance of third-party collection agencies as necessary. Student loans generally are not dischargeable in bankruptcy. Loans are not considered uncollectible until all reasonable collection efforts have been made.

Investments

Investments are carried at fair values based on a hierarchy that prioritizes the inputs to valuation techniques used to measure fair value as discussed in Note K. Purchases and sales of securities are recorded on trade dates, and realized gains and losses are determined based on the average cost of securities sold. Accounts receivable included \$13,383 and \$1,528 related to outstanding sales and accounts payable included \$16,333 and \$2,080 related to outstanding purchases of investments at September 30, 2014 and 2013, respectively.

The Institute engages a number of outside investment managers to manage portions of its investment portfolios, which include an investment pool and other separately managed portfolios. The Institute's investment strategy incorporates certain financial instruments, which involve, to varying degrees, elements of market and credit risk.

Derivatives

The Institute uses an interest rate swap to manage the interest rate exposure of a portion of its variable rate debt. The swap is recorded at fair value, which is the estimated amount that the Institute would receive or pay to terminate the agreement, taking into account current interest rates and the current credit-worthiness of the swap counterparty. Costs of regular settlements with the counterparty of \$5,679 and \$5,632 during the years ended September 30, 2014 and 2013, respectively, are included in interest expense in the statements of activities. Changes in the swap's fair value during the years ended September 30, 2014 and 2013, resulted in an unrealized loss of \$7,792 and an unrealized gain of \$26,064, respectively, and are included in non-operating changes in net assets in the statements of activities. The fair value of the swap was a liability of \$40,666 and \$32,874 at September 30, 2014 and 2013, respectively, and is included in accounts payable and accrued expenses in the balance sheets.

Property, Plant, and Equipment

Property, plant, and equipment is recorded at the cost of construction, acquisition, or at the fair value of contributed assets at the date of the gift. Interest costs related to debt used for construction of assets are capitalized and included in the cost of construction. For the years ended September 30, 2014 and 2013, capitalized interest was \$896 and \$825, respectively. Depreciation on all assets subject to depreciation is calculated over the estimated useful lives as defined for each class of depreciable asset, which range from three to fifty years, and is computed using the straight-line method. Depreciation on buildings is calculated based on the useful lives of each major building component. The Institute provides for the renewal and replacement of assets from various sources set aside for this purpose.

The Institute routinely acquires or constructs equipment under federally and non-federally funded research grants. The costs of the assets acquired or constructed under both federal and nonfederal grants in which title does not ultimately transfer to the Institute are charged to expense.

The Institute's conditional asset retirement obligations are primarily related to future asbestos removal and disposal. Asset retirement cost, net of accumulated depreciation, at September 30, 2014 and 2013 was \$1,209 and \$708, respectively, and is included in property, plant, and equipment in the balance sheets. Conditional asset retirement obligations at September 30, 2014 and 2013 were \$13,285 and \$12,214, respectively, and are included in accounts payable and accrued expenses in the balance sheets.

Annuity and Trust Agreements

The Institute's split-interest agreements with donors consist primarily of charitable gift annuities and charitable remainder trusts for which the Institute serves as trustee. For irrevocable agreements, assets contributed are included in Institute investments at fair value. Contribution revenue is recognized at the date each trust is established after recording liabilities for the actuarially-determined present value of the estimated future payments to be made to beneficiaries. The actuarial liability is discounted at an appropriate credit risk-adjusted rate at the inception of each agreement. Discount rates on split-interest agreements range from 1.2% to 11.2% per annum. The liabilities are adjusted during the terms of the agreements for changes in the fair value of the assets, accretion of discounts, and other changes in the estimates of future benefits. The Annuity 2000 Mortality Table was used for the years ended September 30, 2014 and 2013. Split-interest agreement liabilities totaled \$69,676 and \$64,467 at September 30, 2014 and 2013, respectively, and are included in liabilities for annuities, trust agreements and agency funds in the balance sheets.

The Institute is also the trustee for certain revocable agreements. Assets contributed are included in Institute investments at fair value, and amounts equal to the value of assets are included in liabilities for annuities, trust agreements, and agency funds. Total assets and liabilities for revocable agreements were \$7,375 and \$7,077 at September 30, 2014 and 2013, respectively.

Beneficial Interests

The Institute is the beneficiary of both charitable remainder and perpetual trusts held and administered by others and interests in certain estates bequeathed by donors. The fair value of the Institute's interests in charitable and perpetual trusts is calculated by multiplying the Institute's percentage interest by the fair value of trust assets. The carrying value of the Institute's interest in such trusts is adjusted for changes in the fair values of the underlying assets. Remainder interests are

recognized in contribution revenues at the date the trusts are established. Distributions from perpetual trusts are recorded as contributed by the trustee. Interests in estates are recognized based on estimates of cash flows from estate settlements at the time such cash flows are probable and reasonably estimable. Beneficial interests totaled \$26,517 and \$32,221 at September 30, 2014 and 2013, respectively, and are included in prepaid expenses and other assets in the balance sheets.

Retirement Plans

The Institute provides a defined contribution retirement program for eligible academic and administrative employees. Contributions to Internal Revenue Code "IRC" Section 403(b) defined contribution plans for the years ended September 30, 2014 and 2013 were \$23,258 and \$23,210, respectively, for the Campus and \$67,365 and \$64,588, respectively, for JPL. The Institute has no assets or liabilities related to these plans.

At September 30, 2014 and 2013, respectively, prepaid expenses and other assets included \$67,697 and \$59,883 in assets held pursuant to IRC section 457 defined contribution retirement plans. These assets are invested with external investment managers and are recorded at fair value. The Institute's liabilities related to these funds were \$66,872 and \$59,149 at September 30, 2014 and 2013, respectively, and are included in accrued compensation and benefits in the balance sheets.

A small number of employees, former employees, and beneficiaries participated in a defined benefit pension plan until its complete settlement in June, 2013. The statement of activities for the year ended September 30, 2013 includes settlement losses of \$2,595. The Campus portion totaled \$590 and is included in operating expenses. The JPL portion totaled \$2,005 and is included in JPL expenses.

Funds Held for Others

The Institute held assets totaling \$13,276 and \$12,006 in agency funds at September 30, 2014 and 2013, respectively. The assets held are primarily included in investments in the balance sheets. The corresponding liability, which is equal to assets held, is included in annuities, trust agreements, and agency funds in the balance sheets.

Compensated Absences

Institute employees are entitled to paid vacation based upon length of service and other factors. Certain employees also accrue benefits related to sick leave. The Institute records a liability for these benefits that employees have earned but not yet taken. At September 30, 2014 and 2013, accrued compensated absences of \$75,532 and \$73,947, respectively, are included in accrued compensation and benefits in the balance sheets. Other compensated absences do not accumulate and are treated as current period costs.

Workers' Compensation Insurance

The Institute provides workers' compensation insurance to its employees. Liabilities for the Institute's retained risk related to such coverage are determined by an actuary and are included in accrued compensation and benefits in the balance sheets. At September 30, 2014 and 2013, the estimated liabilities for workers' compensation amounted to \$9,560 and \$9,333, respectively.

Revenue Recognition

The Institute's revenue recognition policies are as follows:

- *Tuition and fees* - Student tuition and fees are recorded as revenues during the year the related academic services are rendered and are displayed net of financial aid on the statements of activities. Tuition and fees totaled \$88,279 and \$86,045 for the years ended September 30, 2014 and 2013, respectively. Student financial aid totaled \$51,972 and \$50,829 for the years ended September 30, 2014 and 2013, respectively. Student tuition and fees received in advance of services to be rendered, net of applicable financial aid, are recorded as deferred revenue.
- *Investment return (loss)* - Investment transactions are recorded on the trade date. Investment income and realized and unrealized gains and losses, net of investment management fees, are reported as increases or decreases to the appropriate net asset category.
- *Gifts* - Unconditional promises to give are recorded as revenues in the year received. Non-cash gifts are recorded at fair value using quoted market prices, market prices for similar assets, independent appraisals, or as estimated by Institute management. Gift revenue from contributions to be collected in the form of securities or other investments is adjusted at each year end to reflect the year-end value of securities and/or investments to be contributed.

Donor-restricted gifts, which are received and either spent, or deemed spent, within the same year are reported as unrestricted revenue. Gifts of long-lived assets with no donor-imposed time restrictions are reported as unrestricted revenue in the year received. Gifts restricted to the acquisition or construction of long-lived assets are reported as temporarily restricted revenue and released to unrestricted net assets when long-lived assets are placed in service. Gifts that are subject to time or other purpose restrictions are reported as temporarily restricted revenue and released to unrestricted net assets when donor restrictions are fulfilled. Gifts received for endowment investment are held in perpetuity and recorded as permanently restricted revenue.

Conditional promises to give are not recorded until donor-imposed conditions have been substantially met. Conditional promises to give totaled \$114,635 and \$125,456 at September 30, 2014 and 2013, respectively. Payments received related to conditional promises for which conditions have not been met totaled \$13,800 and \$9,200 at September 30, 2014 and 2013, respectively, and are included in deferred revenue and refundable advances in the balance sheets.

- *Grants and contracts* - Revenues from grants and contracts generally are recognized in unrestricted net assets as allowable expenditures under such agreements are incurred. Substantially all United States government grants and contracts awarded to the Campus provide for the reimbursement of indirect facilities and administrative costs based on rates negotiated with the Office of Naval Research, the Campus' federal cognizant agency for the negotiation and approval of facilities and administrative and other indirect cost rates. Costs related to the performance of activities under the JPL contract are reimbursable by NASA. Amounts received in excess of expenditures are recorded as deferred revenue.

California Institute of Technology
Notes to Financial Statements
September 30, 2014 and 2013
(Dollars in Thousands)

- *Auxiliary enterprises* - Revenues from supporting services, such as dining facilities, faculty and student housing, and retail stores are recorded at the time of delivery of products or services. Amounts received in advance of deliveries of products or services are recorded as deferred revenue.

Expenses

Expenses are generally reported as decreases in unrestricted net assets. Campus expenses are reported in the statements of activities by natural classification. Campus expenses by functional classification were as follows for the years ended September 30, 2014 and 2013:

	2014	2013
Instruction and academic support	\$ 266,766	\$ 268,719
Organized research	251,374	258,327
Institutional	83,198	84,637
Auxiliary enterprises	<u>30,466</u>	<u>33,336</u>
Total Campus functional expenses	<u>\$ 631,804</u>	<u>\$ 645,019</u>

Building and improvements depreciation and plant operation expenses are allocated to functional classifications based on square footage occupancy of Institute facilities. Equipment depreciation is allocated to functional classifications based on average equipment purchases attributed to each classification. Interest expense on external debt, net of amounts capitalized, is allocated to the functional categories that have benefited from the proceeds of such debt.

Operating and Non-operating Activities

The statements of activities report the changes in net assets from the Institute's operating and non-operating activities. Operating activities exclude investment returns/(losses) in excess/deficit of endowment spending, endowment spending available but not distributed to operations, revenues and releases from restrictions related to gifts for construction, endowments, and annuity and trust agreements, changes in postemployment benefit obligations that are not otherwise recognized in net periodic benefit cost, changes in fair value of interest rate swaps, interest expense related to any bonds issued for which the proceeds have not yet been used for capital projects or to refund other bonds, gains or losses on disposal of plant, property and equipment, net gains or losses on nonrecurring transactions, actuarial adjustments related to annuity and trust agreements, and donor redesignations or other reclassifications of net assets.

Tax Status

The Institute is generally exempt from federal income taxes related to its charitable purpose under the provisions of IRC Section 501(c)(3) and from California and other state income taxes under corresponding state laws. The Institute is subject to both federal and state income taxes on income from certain activities not substantially related to its exempt purpose. At September 30, 2014 and 2013, the Institute maintained a full valuation allowance on its immaterial deferred tax assets, which are primarily due to tax losses from certain investment activities. Due to uncertainties surrounding both the timing and amounts of potential future net taxable income, the Institute has concluded that it is more likely than not that the Institute will not realize the deferred tax assets.

The Institute has no reporting requirements for uncertain tax positions for the years ended September 30, 2014 and 2013.

Related Party Transactions

Members of the Institute's Board of Trustees and senior management may, from time to time, be associated, either directly or indirectly, with entities doing business with the Institute. These transactions are conducted in the normal course of business at an arm's length, and in accordance with the Institute's policies and procedures governing potential conflicts of interest.

New Accounting Pronouncements

In April 2013, the Financial Accounting Standards Board ("FASB") issued Accounting Standards Update ("ASU") 2013-06 regarding the recognition of the value of services contributed by an affiliated entity. ASU 2013-06 is effective for the Institute's fiscal year ending September 30, 2015. The Institute currently is evaluating the impact that the ASU may have on its financial statements.

C. Contributions Receivable, net

Contributions receivable consist of unconditional promises to give to the Institute in the future. Contributions receivable are initially recorded at fair value, including a discount to the present value of the anticipated future cash flows at an appropriate credit risk-adjusted rate that remains fixed. Discount rates on contributions receivable at September 30, 2014 and 2013 range from 0.74% to 5.84%.

California Institute of Technology
Notes to Financial Statements
September 30, 2014 and 2013
(Dollars in Thousands)

Contributions receivable consisted of the following at September 30, 2014 and 2013:

	2014	2013
Contributions receivable at beginning of year, net	\$ 77,898	\$ 83,602
Discount at beginning of year	2,822	3,446
Allowance for doubtful accounts at beginning of year	<u>239</u>	<u>177</u>
Contributions receivable at beginning of year, gross	80,959	87,225
New contributions received	35,100	31,601
Contribution payments received	(19,435)	(37,788)
Write-offs and other adjustments	<u>(45)</u>	<u>(79)</u>
Contributions receivable at end of year, gross	96,579	80,959
Discount at end of year	(4,017)	(2,822)
Allowance for doubtful accounts at end of year	<u>(177)</u>	<u>(239)</u>
Contributions receivable at end of year, net	<u>\$ 92,385</u>	<u>\$ 77,898</u>

Gross contributions receivable carried the following restrictions at September 30, 2014 and 2013:

	2014	2013
Endowment for programs, activities and scholarships	\$ 65,998	\$ 43,240
Building construction	400	96
Education, general and time restrictions	<u>30,181</u>	<u>37,623</u>
Total contributions receivable, gross	<u>\$ 96,579</u>	<u>\$ 80,959</u>

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Gross contributions receivable are expected to be collected as follows at September 30, 2014 and 2013:

	2014	2013
Within one year	\$ 32,961	\$ 20,188
Between one year and five years	44,421	53,336
More than five years	<u>19,197</u>	<u>7,435</u>
Total contributions receivable, gross	<u>\$ 96,579</u>	<u>\$ 80,959</u>

At September 30, 2014 and 2013, contributions receivable of \$65,437 and \$60,101, respectively, were due from board members and/or charitable entities founded by board members.

D. Investments

Investments consisted of the following at September 30, 2014 and 2013:

	2014	2013
Short-term investments	\$ 163,602	\$ 195,902
Fixed-income securities	139,945	185,164
Equity securities	934,130	794,270
Alternative investments:		
Alternative securities	675,277	651,642
Private equity	174,412	196,644
Real assets	<u>414,499</u>	<u>368,941</u>
Total investments	<u>\$ 2,501,865</u>	<u>\$ 2,392,563</u>

Below is a description of the holdings included within each investment classification:

- *Short-term investments* consist primarily of cash and cash equivalents invested in U.S. government and government agency money-market funds, as well as deposits with financial institutions.
- *Fixed-income securities* consist primarily of debt instruments issued by corporate or sovereign entities in both U.S. and foreign markets and investments in funds that hold such instruments.
- *Equity securities* consist primarily of investments in publicly traded corporate equities in globally diversified public markets including domestic, developed international, and

emerging markets. Investment managers invest according to each manager's particular investment strategy.

- *Alternative securities* consist primarily of investments in funds in which redemption options and/or distributions are determined by the respective investment managers. Alternative securities managers pursue returns through a variety of strategies such as high yield and distressed credit, long/short equity, event-driven, and relative value. Managers invest and trade in various securities and financial instruments, including publicly traded and privately issued common and preferred shares of domestic and foreign companies, corporate debt, bonds, swaps, options, futures contracts and commodities.
- *Private equity* consists of investments in limited partnership interests that invest primarily in the securities of privately held companies. Investment managers utilize leveraged buyout and venture capital strategies in a wide variety of industries and company sizes. Distributions from these investments are made either in-kind as distributions of publicly tradeable equity securities after initial public offerings, or in cash after liquidation of the underlying securities by the investment manager.
- *Real assets* consist primarily of investments in limited partnerships that invest in foreign and/or domestic real estate and/or energy sectors and/or domestic timber industries. Real estate consists primarily of illiquid investments in residential and commercial real estate assets, projects or land, and notes receivable secured by real estate. Such holdings are either held directly or in partnership funds. Energy holdings consist primarily of illiquid investments in oil and gas exploration and production or materials mining businesses, as well as related oil and gas services businesses, held in limited partnerships. Timber holdings consist primarily of illiquid investments in timber land and harvesting businesses held in limited partnerships.

The Institute reclassified all investments displayed in the category "Real estate mortgages, notes, and other investments" at September 30, 2013 to the category "Alternative investments - Real assets" in order to conform to the current-year presentation. Such investments totaled \$30,119 at September 30, 2013.

The Institute may include publicly traded funds in the alternative investments category when such investments are made pursuant to the Institute's alternative investment strategy. Alternative investments may not be readily marketable or redeemable, and may specify penalties for early withdrawal from the related funds.

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Investments were categorized as follows at September 30, 2014 and 2013:

	2014	2013
Investment pool	\$ 2,272,817	\$ 2,028,945
Separately invested endowments	26,564	29,920
Trusts, annuities, and other	<u>202,484</u>	<u>333,698</u>
Total investments	<u>\$ 2,501,865</u>	<u>\$ 2,392,563</u>

At September 30, 2014 and 2013, endowment investments were \$2,118,100 and \$1,960,435, respectively. At September 30, 2014, and 2013, other investments included \$42,055 and \$43,706, respectively, held in separately invested accounts as required by donors and/or sponsors.

Investment return consisted of the following for the years ended September 30, 2014 and 2013:

	2014	2013
Interest and dividend income	\$ 40,888	\$ 38,644
Net realized gains	76,825	70,302
Net unrealized appreciation	<u>88,824</u>	<u>106,584</u>
Total investment return	<u>\$ 206,537</u>	<u>\$ 215,530</u>

E. Deferred United States Government Billings

The Institute's contract with NASA provides for the reimbursement of certain employee benefit costs incurred but not yet billed to the JPL contract. Therefore, the Institute has recorded deferred United States government billings related to the portion of its accumulated postretirement benefit obligation, accrued vacation, and workers' compensation liabilities attributable to JPL, as the Institute is able to recover these amounts through future charges to JPL contracts. Although these deferred billing amounts may not be currently funded, and therefore may need to be funded as part of future NASA budgets, the Institute has the contractual right to require that such funding be made available at the time these employee benefit costs become payable by the Institute.

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Deferred United States government billings related to deferred reimbursements of the following liabilities at September 30, 2014 and 2013:

	2014	2013
Accumulated postretirement benefit obligation	\$ 281,713	\$ 393,965
Accrued vacation benefits	59,769	58,216
Accrued worker's compensation benefits	<u>4,678</u>	<u>4,736</u>
Total deferred United States government billings	<u>\$ 346,160</u>	<u>\$ 456,917</u>

F. Property, Plant, and Equipment, net

Property, plant, and equipment consisted of the following at September 30, 2014 and 2013:

	2014	2013
Land and land improvements	\$ 66,218	\$ 64,691
Buildings and building improvements	998,115	963,382
Equipment	553,520	539,015
Construction in progress	62,014	60,406
Less: accumulated depreciation	<u>(813,161)</u>	<u>(753,206)</u>
Total property, plant, and equipment, net	<u>\$ 866,706</u>	<u>\$ 874,288</u>

Depreciation expense for the years ended September 30, 2014 and 2013 was \$66,410 and \$66,672, respectively.

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G. Bonds and Notes Payable

Bonds and notes payable are uncollateralized, general obligations of the Institute and consisted of the following at September 30, 2014 and 2013:

Bonds payable:	2014	2013
Taxable bonds, Series 2011 due November 1, 2111, with interest at 4.70% (net of discount of \$3,106 and \$3,138, respectively)	\$ 346,894	\$ 346,862
California Educational Facilities Authority (CEFA) tax-exempt revenue bonds:		
2009 Series due November 1, 2039, with interest at 5.00% (gross of issue premium of \$576 and \$598, respectively)	80,576	80,598
2006 Series A due October 2036, with variable interest rates reset weekly (0.03% and 0.04%, respectively)	82,500	82,500
2006 Series B due October 2036, with variable interest rates reset weekly (0.04% and 0.05%, respectively)	82,500	82,500
Series 1994 due January 2024, with variable interest rates reset weekly (0.03% and 0.04%, respectively)	30,000	30,000
	<hr/>	<hr/>
Total bonds payable	622,470	622,460
Notes payable:		
Bank of America revolving bank credit facility expiring August 2016, with variable interest rates	-	-
Bank of America revolving bank credit facility expiring August 2016, with variable interest rates (0.40% and 0.29%, respectively)	50,000	50,000
Bank of New York money market loan program with no expiration date, with variable interest rates (0.44% at September 30, 2013)	-	16,000
JPMorgan Chase money market loan program with no expiration date, with variable interest rates	-	-
JPMorgan Chase revolving bank credit facility expiring May 2015, with variable interest rates (0.46% and 0.39%, respectively)	9,892	38,510
Northern Trust revolving bank credit facility expiring October 2016, with variable interest rates	-	-
Wells Fargo revolving bank credit facility expiring October 2016, with variable interest rates	-	-
Wells Fargo revolving bank credit facility expiring October 2016, with variable interest rates	-	-
	<hr/>	<hr/>
Total notes payable	59,892	104,510
	<hr/>	<hr/>
Total bonds and notes payable	\$ 682,362	\$ 726,970

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As of September 30, 2014, the Institute had eight unsecured revolving lines of credit available (collectively, the “Lines of Credit”) consisting of six unsecured revolving bank credit facilities and two unsecured revolving money market loan programs. The Institute has internally-mandated aggregate borrowing limits under the Lines of Credit as follows: \$100,000 for borrowings to finance working capital, \$50,000 for borrowings to finance acquisitions of real estate and temporary funding for capital projects, and \$200,000 for borrowings secured to preserve liquidity.

The table below summarizes the material terms of the lines of credit, including permitted uses of any funds drawn and permitted maximum draws under each individual line of credit at September 30, 2014:

Financial Institution	Maximum Permitted	Outstanding Amounts	Facility Maturity
General Working Capital and Capital Projects:			
Bank of America	\$ 100,000	\$ -	2016
Bank of America	50,000	50,000	2016
Bank of New York	50,000	-	None
JPMorgan Chase	62,000	-	None
JPMorgan Chase	50,000	9,892	2015
Wells Fargo	50,000	-	2016
Supplemental Liquidity for Variable Rate Debt:			
Northern Trust	50,000	-	2016
Wells Fargo	100,000	-	2016

Subsequent to September 30, 2014, the Institute obtained a new committed line of credit with U.S. Bank in the amount of \$50,000 with a maturity of October 2017. The purpose of the line of credit is to finance general working capital and capital projects. In addition, the maturity of the Bank of America line with a permitted maximum of \$100,000 was extended to 2017.

The lines of credit from Bank of New York, JPMorgan Chase, and the Bank of America line of credit with a permitted maximum of \$50,000 all are uncommitted. Maturity dates for individual advances made under these lines of credit are determined at the time advances are made.

The Institute is required to comply with financial covenants in certain Lines of Credit agreements, including maintaining minimum ratios of unrestricted cash and investments to total adjusted debt outstanding.

Under certain circumstances, the CEFA Series 1994, 2006 Series A, and 2006 Series B variable rate revenue bonds, which have contractual maturities commencing in 2024, could fail to be remarketed, requiring the Institute to repurchase the outstanding bonds totaling approximately \$195,000. Therefore, those bonds have been classified as repayable in the year ending September 30, 2015 in the following table.

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Future principal repayments on bonds and notes payable were as follows at September 30, 2014:

Year Ending September 30	Amount
2015	\$ 254,892
2016	-
2017	-
2018	-
2019	-
Thereafter	<u>427,470</u>
Total	<u>\$ 682,362</u>

The aggregate fair value of bonds payable is estimated based on quoted market prices for the bonds or similar financial instruments and was \$643,999 and \$596,350 at September 30, 2014 and 2013, respectively. The fair value of bonds payable is classified as a Level 2 measurement within the hierarchy for such measurements used by the Institute. Amounts outstanding under the revolving bank credit facilities and the money market loan programs totaling \$59,892 and \$104,510 at September 30, 2014 and 2013, respectively, are carried at cost, which approximates fair value.

In 2006, the Institute entered into an interest rate swap agreement in conjunction with issuance of the 2006 Series A and B variable rate revenue bonds. Under the terms of the agreement, which expires October 1, 2036, the Institute pays the counterparty a fixed interest rate of 3.549% and receives a variable rate, indexed at 67% of one-month LIBOR (0.10% at September 30, 2014), on a \$165,000 underlying notional principal amount.

H. Temporarily and Permanently Restricted Net Assets

Temporarily restricted net assets were available for the following purposes at September 30, 2014 and 2013:

	2014	2013
Educational and research funds	\$ 122,049	\$ 115,316
Contributions receivable	30,195	36,859
Capital projects	1,276	2,686
Life income and annuity funds	32,844	42,222
Endowments	<u>564,603</u>	<u>528,761</u>
Total temporarily restricted net assets	<u>\$ 750,967</u>	<u>\$ 725,844</u>

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Permanently restricted net assets were available for the following purposes at September 30, 2014 and 2013:

	2014	2013
Student loan funds	\$ 17,345	\$ 16,880
Contributions receivable	62,190	41,039
Life income and annuity funds	39,718	38,473
Endowments	<u>938,812</u>	<u>875,243</u>
Total permanently restricted net assets	<u>\$ 1,058,065</u>	<u>\$ 971,635</u>

I. Endowment

Endowment net assets are those held for long-term investment in support of the Institute. All investments of endowment assets are held in the investment pool unless special considerations or donor stipulations require that they be invested separately. Endowment net assets include donor-restricted endowments and board-designated endowments. Gift annuities, beneficial interests, contributions receivable, and unexpended endowment distributions that are subject to remaining purpose restrictions are not considered endowment net assets.

Pursuant to its interpretation of the Uniform Prudent Management of Institutional Funds Act (“UPMIFA”) as enacted in California, the Institute classifies the following as permanently restricted net assets: the original value of initial gifts to permanent endowments, the original value of subsequent gifts to permanent endowments, and the value of accumulations to permanent endowments made in accordance with the direction of the applicable donor gift instrument at the time the accumulation is added to the fund. The remaining portions of donor-restricted endowment funds that are not classified as permanently restricted net assets are classified as temporarily restricted net assets until those amounts are appropriated for expenditure by the Institute in a manner consistent with the standard of prudence prescribed by UPMIFA and Institute policies.

Under the Institute’s endowment spending policy, a Board of Trustees-approved endowment spending formula determines the annual amount available for distribution to the operating budget each year. In accordance with UPMIFA, the Institute considers the following factors among those used in determining annual spending from endowment funds:

- The purpose of each donor-restricted endowment fund
- The duration and preservation of each fund
- General economic conditions
- The possible effects of inflation and deflation
- The expected total return from income and the appreciation of investments
- Other resources of the Institute
- The investment policies of the Institute

Any excess of endowment spending over current-year investment income and gains is funded by prior years’ accumulated investment return. The Institute appropriates endowment funds for expenditure

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based on current spending rates and, if applicable, the incurrence of specific expenditures in accordance with donors' purpose restrictions.

The Institute invests endowment assets targeted to earn an average annual total return that exceeds inflation by at least the amount required to support the endowment spending. Total return includes both capital appreciation (realized and unrealized gains) and investment income (including interest, dividends, and royalties). The Institute targets a diversified asset allocation, including investments in both public markets and in alternative investments, within prudent risk constraints.

The portion of endowment available for spending that is transferred to operating accounts each year is shown as endowment spending distributed in the statements of activities. Any endowment spending available for expenditure but not distributed remains invested in the Institute's endowment and is included in non-operating changes to net assets in the statements of activities.

Under Accounting Standards Codification 958, for accounting purposes the Institute must record the historical values of donor-restricted endowment funds as permanently restricted net assets even in cases where the fair values of those funds are less than historical values. Such deficits are recorded as reductions of unrestricted net assets.

As a result of market declines, the fair values of certain donor-restricted endowment funds are less than the historical values of such funds. The aggregate deficiencies for such funds were \$19,001 and \$27,467 at September 30, 2014 and 2013, respectively, and are recorded in unrestricted net assets. Such deficiencies reverse with market value appreciation. Reversals of these deficiencies increase unrestricted net assets.

Endowment net assets consisted of the following at September 30, 2014 and 2013:

September 30, 2014	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Donor-restricted endowment funds	\$ (21,435)	\$ 564,603	\$ 938,812	\$ 1,481,980
Board-designated endowment funds	633,750	-	-	633,750
Total endowment net assets	\$ 612,315	\$ 564,603	\$ 938,812	\$ 2,115,730
September 30, 2013	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Donor-restricted endowment funds	\$ (31,472)	\$ 528,761	\$ 875,243	\$ 1,372,532
Board-designated endowment funds	588,779	-	-	588,779
Total endowment net assets	\$ 557,307	\$ 528,761	\$ 875,243	\$ 1,961,311

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Changes in endowment net assets for the years ended September 30, 2014 and 2013 were as follows:

	Unrestricted	Temporarily Restricted	Permanently Restricted	Total
Balance as of October 1, 2012	\$ 518,415	\$ 483,613	\$ 809,469	\$ 1,811,497
Investment return:				
Investment income	16,849	20,706	214	37,769
Net appreciation in market value	70,001	86,029	891	156,921
Total investment return	<u>86,850</u>	<u>106,735</u>	<u>1,105</u>	<u>194,690</u>
Contributions and pledge payments	-	16	48,019	48,035
Additions to board-designated endowments	12,112	-	-	12,112
Available for expenditure	(46,993)	(60,610)	(625)	(108,228)
Redesignations, reclassifications and other	<u>(13,077)</u>	<u>(993)</u>	<u>17,275</u>	<u>3,205</u>
Balance as of September 30, 2013	557,307	528,761	875,243	1,961,311
Investment return:				
Investment income	15,885	21,569	209	37,663
Net appreciation in market value	63,539	86,276	834	150,649
Total investment return	<u>79,424</u>	<u>107,845</u>	<u>1,043</u>	<u>188,312</u>
Contributions and pledge payments	-	-	45,594	45,594
Additions to board-designated endowments	28,458	-	-	28,458
Available for expenditure	(47,698)	(65,074)	(758)	(113,530)
Redesignations, reclassifications and other	<u>(5,176)</u>	<u>(6,929)</u>	<u>17,690</u>	<u>5,585</u>
Balance as of September 30, 2014	<u>\$ 612,315</u>	<u>\$ 564,603</u>	<u>\$ 938,812</u>	<u>\$ 2,115,730</u>

J. Postretirement and Postemployment Benefits Other Than Pensions

The Institute's employees may be eligible for certain health and life insurance benefits upon retirement. The Institute's obligation related to these benefits is actuarially determined and has been recorded in the accompanying balance sheets. Any actuarial deferrals resulting from changes in the accumulated postretirement benefit obligation are amortized over the average future working lifetime of Institute employees.

The Institute's postretirement benefits are funded on a pay-as-you-go basis for the years ended September 30, 2014 and 2013. Therefore, there are no plan assets and a formal investment policy has not been developed.

During the year ended September 30, 2014, the Institute amended its postretirement medical benefit plan, effective January 1, 2015. For a substantial portion of the Institute's retirees and their eligible dependents, the amendments replace the Institute's provision of medical benefit subsidies based upon the costs of various health plans with awards of defined-dollar credits that will be available to be used by retirees for medical premiums and other eligible medical expenses. The defined-dollar credits may be changed in future years at the Institute's discretion. The amendments significantly reduce the expected future benefit payments to retirees and eligible dependents, and, therefore, reduced the

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accumulated postretirement benefit obligation by \$250,636 during the year ended September 30, 2014.

Certain financial information regarding the plan was as follows for the years ended September 30, 2014 and 2013, and is based on a September 30 measurement date:

	2014	2013
Change in the accumulated postretirement benefit obligation:		
Accumulated postretirement benefit obligation at beginning of year	\$ 515,032	\$ 662,904
Service cost	15,999	23,020
Interest cost	25,811	24,839
Participant contributions	6,626	5,951
Plan amendments	(250,636)	-
Benefits paid	(22,203)	(21,843)
Actuarial loss/(gain)	78,615	(179,839)
	<u>\$ 369,244</u>	<u>\$ 515,032</u>
	2014	2013
Components of net periodic postretirement benefit cost:		
Service cost	\$ 15,999	\$ 23,020
Interest cost	25,811	24,839
Amortization of prior year service credit	(3,337)	(3,337)
Amortization of loss	-	9,076
	<u>\$ 38,473</u>	<u>\$ 53,598</u>
	2014	2013
Change in the fair value of plan assets:		
Employer contributions	\$ 15,577	\$ 15,892
Participant contributions	6,626	5,951
Benefits paid	(22,203)	(21,843)
	<u>\$ -</u>	<u>\$ -</u>
	2014	2013
Funded status at valuation date:		
Funded status	\$ (369,244)	\$ (515,032)
	<u>\$ (369,244)</u>	<u>\$ (515,032)</u>

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	2014	2013
Liabilities recognized in the balance sheets:		
Accumulated postretirement benefit obligation	<u>\$ (369,244)</u>	<u>\$ (515,032)</u>
Total amounts recognized in balance sheets	<u>\$ (369,244)</u>	<u>\$ (515,032)</u>

The statements of activities include the effects of changes in the postretirement benefit obligation that are not otherwise recognized in net periodic postretirement benefit cost. The effect related to JPL for the years ended September 30, 2014 and 2013 was a decrease of \$128,057 and \$144,783, respectively, in both JPL direct expense and revenue and in deferred U.S. government billings, as any cost associated with this adjustment related to JPL is contractually recoverable from NASA. The effect of those changes for the Campus was an increase in unrestricted net assets of \$40,627 and \$40,795 for the years ended September 30, 2014 and 2013, respectively, and is recorded in non-operating changes in unrestricted net assets in the statements of activities.

At September 30, 2014 and 2013, the differences between cumulative net periodic postretirement benefit cost, less cumulative contributions, and the accumulated postretirement benefit obligation were as follows:

	2014	2013
Amounts recognized in unrestricted net assets:		
Prior service cost/(credit)	\$ (58,334)	\$ (1,894)
Net loss/(gain)	<u>10,191</u>	<u>(5,622)</u>
Cumulative amounts recognized in unrestricted net assets	<u>\$ (48,143)</u>	<u>\$ (7,516)</u>

An estimated prior service credit of \$29,642 and actuarial loss of \$3,348 will be amortized into net periodic benefit cost during the year ending September 30, 2015.

The following weighted-average assumptions were used to determine the Institute's net periodic benefit cost under the plan for the years ended September 30, 2014 and 2013:

	2014	2013
Discount rate	5.10%	3.80%
Health care cost trend rate	8.25%	8.75%

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The following weighted-average assumptions were used to determine the Institute's obligation under the plan at September 30, 2014 and 2013:

	2014	2013
Discount rate	4.40%	5.10%
Health care cost trend rate	7.50%	8.25%

Certain grandfathered retirees and eligible dependents remain eligible for future medical benefits at no cost through an Institute-sponsored plan. The cost of these benefits are expected to increase in the future according to health care cost trend rates. The assumed health care cost trend rate is 7.25% in 2015, and annual rates are assumed to decrease 0.25% per year until 2027, after which healthcare cost is assumed to increase 4.25% in all future years.

A one-percentage-point change in assumed health care cost trend rates would have the following effects:

	1% Increase	1% Decrease
Effect on the total of service and interest cost components	\$ 8,472	\$ (6,666)
Effect on accumulated postretirement benefit obligation	\$ 1,129	\$ (1,002)

A substantial majority of the above effects would be related to JPL and therefore would result in corresponding changes in amounts expected to be recoverable from NASA.

Subsequent to September 30, 2014, NASA and the Institute agreed to a modification of the JPL contract regarding the funding of postretirement health and life insurance benefits for JPL retirees and their dependents. Effective October 1, 2014, funding of these JPL-related benefits will be determined using an accrual-accounting approach. Accordingly, total Institute contributions to postretirement health plans are expected to increase to approximately \$37,050 during the year ending September 30, 2015. Approximately \$33,114 of that expected contribution is related to JPL and therefore is expected to be funded by NASA. JPL-related contributions in excess of benefits incurred will remain in a trust for JPL retirees.

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At September 30, 2014, the estimated future benefit payments are as follows:

Year Ending September 30	Campus	JPL	Total
2015	\$ 3,936	\$ 14,430	\$ 18,366
2016	4,000	14,389	18,389
2017	4,058	14,378	18,436
2018	4,118	14,298	18,416
2019	4,177	14,178	18,355
2020-2024	23,691	77,214	100,905

Payments related to JPL will be made from trust assets.

K. Fair Value

Fair value is defined as the price that the Institute would receive upon selling an asset or would pay to settle a liability in an orderly transaction between market participants. The Institute evaluates the fair value of financial instruments using an established hierarchy that ranks the inputs to valuation techniques used to measure fair value. Inputs refer broadly to the assumptions that market participants would use in such fair value determinations, including assumptions regarding various risks. A financial instrument's level within the fair value hierarchy is based on the least-transparent level of any input that is significant to the fair value measurement. The three levels of the fair value hierarchy are as described below. The classification of financial instruments within the hierarchy is based upon the transparency of the inputs to valuation techniques used to measure fair value and does not necessarily correspond to the Institute's perceived risk of those instruments.

Level 1 fair value measurements are based upon unadjusted quoted prices for identical assets or liabilities in active, accessible markets. Market price data is generally obtained from exchange dealer markets.

Level 2 fair value measurements are generally based on quoted prices for similar instruments in active markets, quoted prices for identical or similar instruments in markets that are not active, and model-based valuation techniques for which all significant assumptions are observable in the market or can be corroborated by observable market data for substantially the full term of the instruments. Inputs to Level 2 measurements include, but are not limited to, interest rates, credit risk adjustments, and prices for similar instruments, and are obtained from various sources, including market participants, dealers, and brokers.

Level 3 fair value measurements are those that use significant inputs that are unobservable. Assets and liabilities included in Level 3 primarily consist of the Institute's ownership in alternative investments. The Institute records the fair value of substantially all of the Institute's alternative investments at the unadjusted net asset values provided by investment fund managers as a practical expedient. Those estimated fair values may differ from the values that could have been determined

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had a ready market for these securities existed. The Institute regularly monitors the valuation methodologies and practices of these investment managers.

Other financial instruments classified in Level 3 are valued according to investment managers' estimates using industry-standard methodologies, independent appraisals, and Institute models. Those estimated fair values may differ from the values that could have been determined had a ready market for those securities existed. The Institute regularly monitors the adequacy of these fair value measurements. Fair value measurements derived using specific unobservable quantitative inputs developed by the Institute were immaterial for the years ended September 30, 2014 and 2013.

The following is a summary of the levels within the fair value hierarchy for the Institute's assets and liabilities as of September 30, 2014:

	Level 1	Level 2	Level 3	2014 Total
Assets:				
Cash and cash equivalents	\$ 11,306	\$ -	\$ -	\$ 11,306
Investments:				
Short-term investments	163,602	-	-	163,602
Fixed-income securities	40,862	99,083	-	139,945
Equity securities	521,723	195,459	216,948	934,130
Alternative investments:				
Alternative securities	-	-	675,277	675,277
Private equity	-	-	174,412	174,412
Real assets	25,071	-	389,428	414,499
Total investments	<u>751,258</u>	<u>294,542</u>	<u>1,456,065</u>	<u>2,501,865</u>
Beneficial interests	-	-	26,517	26,517
Defined contribution plans	<u>21,544</u>	<u>23,389</u>	<u>22,764</u>	<u>67,697</u>
Total assets	<u>\$ 784,108</u>	<u>\$ 317,931</u>	<u>\$ 1,505,346</u>	<u>\$ 2,607,385</u>
Liabilities:				
Interest rate swap	\$ -	\$ 40,666	\$ -	\$ 40,666
Defined contribution plans	<u>21,266</u>	<u>22,944</u>	<u>22,662</u>	<u>66,872</u>
Total liabilities	<u>\$ 21,266</u>	<u>\$ 63,610</u>	<u>\$ 22,662</u>	<u>\$ 107,538</u>

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The following is a summary of the levels within the fair value hierarchy for the Institute's assets and liabilities as of September 30, 2013:

	Level 1	Level 2	Level 3	2013 Total
Assets:				
Cash and cash equivalents	\$ 10,209	\$ -	\$ -	\$ 10,209
Investments:				
Short-term investments	195,902	-	-	195,902
Fixed-income securities	84,021	101,143	-	185,164
Equity securities	492,612	188,201	113,457	794,270
Alternative investments:				
Alternative securities	-	-	651,642	651,642
Private equity	-	-	196,644	196,644
Real assets	27,101	-	341,840	368,941
Total investments	<u>799,636</u>	<u>289,344</u>	<u>1,303,583</u>	<u>2,392,563</u>
Beneficial interests	-	-	32,221	32,221
Defined contribution plans	17,891	21,201	20,791	59,883
Total assets	<u>\$ 827,736</u>	<u>\$ 310,545</u>	<u>\$ 1,356,595</u>	<u>\$ 2,494,876</u>
Liabilities:				
Interest rate swap	\$ -	\$ 32,874	\$ -	\$ 32,874
Defined contribution plans	17,645	20,831	20,673	59,149
Total liabilities	<u>\$ 17,645</u>	<u>\$ 53,705</u>	<u>\$ 20,673</u>	<u>\$ 92,023</u>

The Institute generally uses net asset value ("NAV") to determine the fair value of investments in funds that do not have readily determinable fair values and either have certain specific attributes of an investment company or prepare their financial statements consistent with the measurement principles of an investment company. Funds valued using NAV invest in both marketable securities and securities that do not have readily determinable fair values. The fair values of the securities that do not have readily determinable fair values are determined by each fund's general partner or investment manager and are based on appraisals or other estimates that include considerations such as the cost of the securities, prices of recent significant placements of securities of the same issuer, and subsequent developments concerning the companies to which the securities relate. At September 30, 2014 and 2013, the Institute's related investments valued using NAV by major investment category were as follows:

- *Fixed-income securities:* Investments with total fair values of \$43,849 and \$52,444, respectively, were held in funds that generally allowed for monthly redemptions with notice of up to thirty days.
- *Equity securities:* Investments with total fair values of \$256,567 and \$207,070, respectively, were held in funds that generally allowed either daily or monthly redemptions with notice

periods ranging from zero to 90 days. Investments with total fair values of \$123,681 and \$89,484, respectively, were held in funds that generally allowed redemptions from annually to triennially, with notice periods ranging from 60 to 90 days. At September 30, 2014, this category also included investments of \$25,772 in funds that generally allowed redemption quarterly, with a 180-day notice period.

- *Alternative securities:* Investments with total fair values of \$366,331 and \$308,694, respectively, were held in funds that generally allowed redemptions from annually to triennially, with notice periods ranging from 30 to 180 days. Investments with total fair values of \$171,571 and \$142,201, respectively, generally allowed quarterly redemptions with notice periods ranging from 60 to 90 days. As of September 30, 2013 one investment with a fair value of \$21,286 generally allowed monthly redemptions with up to a fifteen-day notice. In addition, at September 30, 2014 and 2013, investments with total fair values of \$137,375 and \$179,460, respectively, and unfunded commitments of \$79,890 and \$83,027, respectively, did not allow redemptions and have estimated remaining lives of up to ten years.
- *Private equity:* All investments in this category are held at net asset value. The total unfunded commitment for these investments was \$116,019 and \$108,205 at September 30, 2014 and 2013, respectively. The Institute does not have any redemption rights in these investments and the investments have estimated remaining lives of up to ten years.
- *Real assets:* Investments with total fair values of \$355,664 and \$311,721, respectively, were held in funds that did not permit the Institute any redemption rights and that had estimated remaining lives of up to ten years. Total unfunded commitments were \$109,949 and \$122,283 at September 30, 2014 and 2013, respectively.

The methods described above may produce fair value calculations that may not be indicative of net realizable value or reflective of future fair values. Furthermore, while the Institute believes its valuation methods are appropriate and consistent with those of other market participants, the use of different methodologies or assumptions to determine fair values of certain financial instruments could result in different estimates of fair values.

The Institute uses an interest rate swap to manage the interest rate exposure of a portion of its variable rate debt. The interest rate swap has inputs that can generally be corroborated by market data and is therefore classified as Level 2. The interest rate swap is valued using observable inputs, such as quotations received from counterparties, dealers, or brokers, whenever available and considered reliable. In instances in which models are used, the value of the interest rate swap depends upon the contractual terms of, and specific risks inherent in, the instrument, as well as the availability and reliability of observable inputs. Such inputs include market prices for reference securities, credit curves, assumptions for nonperformance risk, and correlations of such inputs.

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The following table is a summary of changes in the fair values of the Institute's Level 3 assets for the years ended September 30, 2014 and 2013:

	Beginning Balance	Gifts and Purchases	Sales and Maturities	Realized Gain/Loss	Unrealized Gain/Loss	Ending Balance
September 30, 2014						
Investments:						
Equity securities	\$ 113,457	\$ 91,548	\$ (100)	\$ -	\$ 12,043	\$ 216,948
Alternative investments:						
Alternative securities	651,642	143,676	(185,033)	39,616	25,376	675,277
Private equity	196,644	47,154	(98,998)	(10,371)	39,983	174,412
Real assets	341,840	52,672	(42,774)	14,252	23,438	389,428
Total investments	1,303,583	335,050	(326,905)	43,497	100,840	1,456,065
Beneficial interests	32,221	9,904	(16,955)	-	1,347	26,517
Defined contribution plans	20,791	1,983	(851)	-	842	22,765
Total assets	\$ 1,356,595	\$ 346,937	\$ (344,711)	\$ 43,497	\$ 103,029	\$ 1,505,347
September 30, 2013						
Investments:						
Equity securities	\$ 9,989	\$ 100,164	\$ (1,415)	\$ 935	\$ 3,784	\$ 113,457
Alternative investments:						
Alternative securities	712,110	157,552	(293,189)	12,146	63,023	651,642
Private equity	194,384	28,730	(45,642)	21,765	(2,593)	196,644
Real assets	320,162	49,284	(46,637)	10,679	8,352	341,840
Total investments	1,236,645	335,730	(386,883)	45,525	72,566	1,303,583
Beneficial interests	37,116	3,291	(8,780)	-	594	32,221
Defined contribution plans	20,210	1,897	(1,501)	-	185	20,791
Total assets	\$ 1,293,971	\$ 340,918	\$ (397,164)	\$ 45,525	\$ 73,345	\$ 1,356,595

The Institute classifies defined contribution plan liabilities in the fair value hierarchy based upon the investments of the related plan assets. Accordingly, liabilities classified within Level 3 approximate the value of plan investments that also are classified within Level 3, and increase or decrease in value according to contributions, withdrawals, vesting, and investment performance. At September 30, 2014 and 2013, defined contribution plan liabilities classified within Level 3 were \$22,662 and \$20,673, respectively.

The Institute records transfers between levels in the current fiscal year when there is a change in circumstances that affects the liquidity of the assets and/or the ability to observe and measure the fair value. The Institute records such transfers based on the market value at the beginning of the reporting period. There were no transfers among levels during the years ended September 30, 2014 and 2013.

During the years ended September 30, 2014 and 2013, unrealized gains related to Level 3 assets of \$1,199 and \$502 respectively, were recorded in non-operating gifts and pledges in the statements of activities. All other realized and unrealized gains related to Level 3 investments were recorded in non-operating investment return in excess of payout in the statement of activities.

Unrealized gains included in the statements of activities related to those Level 3 assets held at September 30, 2014 and 2013 were \$73,193 and \$65,614, respectively.

L. Commitments and Contingencies

Contingencies

The Institute receives funding or reimbursement from agencies of the United States government for various activities that are subject to audit, and is a defendant in various legal actions incident to the conduct of its activities. Except as specifically discussed below, management does not expect that liabilities, if any, related to these audits or legal actions will have a material impact on the Institute's financial position. However, the settlement of audits or legal actions is subject to inherent uncertainties, and it is possible that such liabilities, if any, will differ materially from management's current expectations.

In 1997, the Institute was named as a potentially responsible party ("PRP") by NASA under the Comprehensive Environmental Response, Compensation, and Liability Act, as amended. As a PRP, the Institute may be jointly liable for contribution towards clean-up costs, estimated to be in excess of \$100,000, of the NASA/JPL Superfund site.

Officials of the Institute presently are not able to predict the impact, if any, that final resolution of this matter will have on the Institute's financial position or changes in its net assets. However, the Institute believes that it will have recourse to the United States government for any liabilities it may incur in connection with being named a PRP for that site.

Commitments

The Institute was committed under certain construction and services contracts in the amounts of approximately \$46,214 and \$39,258 at September 30, 2014 and 2013, respectively.

At September 30, 2014 and 2013, the Institute had outstanding commitments to invest \$305,858 and \$313,515, respectively, with alternative investment managers and/or limited partnerships over the next ten years.

The Institute is a member of an international consortium that was organized to construct and operate an advanced telescope in the state of Hawaii. At September 30, 2014, the Institute was committed to provide a combination of cash and in-kind assets totaling approximately \$110,000 to the consortium over approximately the next ten years. Payments and other transfers related to this commitment are subject to certain contingencies.

The Institute's workers' compensation insurance carrier requires that the Institute maintain an unsecured letter of credit for claims that do not exceed certain deductible amounts. At September 30, 2014 and 2013, the amounts of the letter of credit facility were \$8,425 and \$10,600, respectively. The

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letter of credit was not used during the years ended September 30, 2014 and 2013, and therefore no liability has been recorded in the balance sheets.

The Institute is currently providing funding for the operation of certain local water treatment facilities, subject to reimbursement from NASA. Annual costs are not expected to exceed \$5,000.

The Institute leases equipment and buildings, primarily for JPL, under operating leases expiring at various dates through 2018. Rent expense incurred under operating lease obligations was \$8,063 and \$8,549 for the years ended September 30, 2014 and 2013, respectively.

At September 30, 2014, future minimum payments under operating leases of greater than one year in duration were as follows:

Year Ending September 30	Amount
2015	\$ 3,266
2016	2,103
2017	1,172
2018	1,002
2019	-
Total	<u>\$ 7,543</u>

Approximately \$6,605 of the future minimum lease payments listed above is expected to be recoverable from JPL under the Institute's cost-reimbursable contract with NASA.

The Institute rents housing, equipment, and building space to students, faculty, and other organizations under operating leases expiring at various dates through 2019. Rental income under operating leases was \$10,777 and \$9,825 at September 30, 2014 and 2013, respectively.

At September 30, 2014, minimum future rentals from operating leases of greater than one year in duration were as follows:

Year Ending September 30	Amount
2015	\$ 9,559
2016	9,054
2017	8,341
2018	8,091
2019	<u>5,244</u>
Total	<u>\$ 40,289</u>

M. Supplemental Cash Flow Information

The following are additional supplemental disclosures related to the statements of cash flows:

	2014	2013
Cash paid during the year for interest, net of amounts capitalized	\$ 25,714	\$ 25,850
Income taxes paid	1,219	-
Non-cash investing and financing activities:		
Securities received to satisfy pledge payments	815	7,227
In-kind receipt of securities, property, plant, and equipment	15,396	4,806
Accrued purchases of property, plant, and equipment at year end	5,665	5,023

N. Subsequent Events

Subsequent events were evaluated through January 28, 2015, which is the date the financial statements were issued.