

SECTION 4 - COMMITMENT TO PENNSYLVANIA

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Section 4 - Commitment to Pennsylvania

Commitment to Pennsylvania-Based Investment Managers (as of December 31, 2014)

The members of the Board and Staff are fiduciaries and must act in the interests of the members of the System and for the exclusive benefit of the System's members. In creating the investment program, the Board hires both external investment managers and internal investment managers. The Board has determined that it is in the best interest of the System to manage assets internally when (1) the System's staff has the proven ability to internally manage portfolios at least as well as the external investment managers, and (2) the cost of investing those assets is no greater than the cost that would have been incurred to have those assets externally managed. The Board will also consider the diversification benefits that may be achieved by allocating assets to external portfolio managers even when conditions (1) and (2) are met.

The Board evaluates external managers based on a variety of factors, including: (1) a unique insight or process; (2) the ability to add long-term excess returns above passive alternatives, net of fees; (3) adequate capacity to execute the strategy; (4) adding diversification to our existing investment structure; (5) not exhibiting style drift, and; (6) exhibiting a high level of ethical behavior. In selecting external managers, PSERS will show preference to Pennsylvania-based potential managers that demonstrate similar strengths to alternative managers without a Pennsylvania nexus.

PSERS has shown a tremendous commitment to Pennsylvania's financial services industry by having assets managed by firms based in Pennsylvania or by firms with offices in Pennsylvania. In FY 2014, investment manager fees paid to external firms managing PSERS' assets from offices located in Pennsylvania amounted to \$ 27.8 million, or 6.0% of the total external investment manager fees. The following is a list of assets either managed internally by PSERS or by external managers with headquarters or offices located in Pennsylvania, as of December 31, 2014:

<i>Pennsylvania-Based Manager</i>	<i>Market Value (in millions)</i>	<i>Percentage of the Fund</i>
Internal Management		
US. Equity:		
S&P 500 Index	\$ 4,300.3	8.5%
S&P 400 Index	370.1	0.7%
S&P 600 Index	379.6	0.7%
Non-U.S. Equity:		
ACW ex-U.S. Index	1,828.4	3.6%
Emerging Markets Equity	356.9	0.7%
Fixed Income:		
PSERS TIPS	1,044.1	2.1%
PSERS Active Aggregate	1,088.7	2.1%
PSERS U.S. Long Treasuries	38.5	0.1%
Cash & Cash Equivalents:		
STIF	3,029.0	6.0%
Commodities:		
PSERS Gold Fund	(1.5) a	0.0%
PSERS Commodity Beta	(26.8) a	0.0%
Risk Parity:		
PSERS Risk Parity	270.8	0.5%
Private Markets:		
Internal Program	226.8	0.4%
Real Estate:		
Internal Program	63.1	0.1%
Total Internal Management	\$ 12,968.0	25.5%

a - The Market Value represents the net payable on swap contracts.

Section 4 - Commitment to Pennsylvania

Commitment to Pennsylvania-Based Investment Managers

(as of December 31, 2014)

(continued)

<i>Pennsylvania-Based Manager</i>	<i>Market Value (in millions) (1)</i>	<i>Percentage of the Fund</i>
External Management		
Fixed Income:		
LBC Credit Partners II, LP	\$ 64.9	0.1%
LBC Credit Partners III, LP	124.7	0.2%
Mariner - International Infrastructure Finance Company Fund L.P.	49.1	0.1%
Radcliffe Capital Management	497.4	1.0%
SEI Investments Company	100.2	0.2%
Master Limited Partnership:		
Harvest Fund Advisors, LLC	737.7	1.4%
Real Estate:		
BPG Investment Partnership V, L.P.		
BPG Investment Partnership VI, L.P.		
BPG Co-Investment Fund		
Charter Oak Advisors, Inc.		
Exeter Industrial Value Fund II, L.P.		
Exeter Industrial Value Fund III, L.P.		
GF Management, Inc.		
Grosvenor Fund Management U.S., Inc.		
LEM Real Estate Mezzanine Fund II, L.P.		
LEM RE High Yield Debt & Preferred Equity Fund III, LP		
Lubert-Adler Real Estate Fund III		
Lubert-Adler Real Estate Fund IV		
Lubert-Adler Real Estate Fund V		
Lubert-Adler Real Estate Fund VI		
Subtotal Real Estate:	\$ 536.7	1.1%
Private Equity and Debt:		
Incline Equity Fund III, L.P.		
PNC Equity Partners II, L.P.		
PNC Equity Partners, L.P.		
Milestone Partners II, L.P.		
Milestone Partners III, L.P.		
Milestone Partners IV, L.P.		
Versa Capital Fund I, L.P.		
Versa Capital Fund II, L.P.		
Versa Capital Fund III, L.P.		
Subtotal Private Equity and Debt:	\$ 355.0	0.7%

(1) Market values for individual Real Estate and Private Market investments are not being disclosed at this time.

Section 4 - Commitment to Pennsylvania

Commitment to Pennsylvania-Based Investment Managers (as of December 31, 2014) (continued)

<i>Pennsylvania-Based Manager</i>	<i>Market Value (in millions) (1)</i>	<i>Percentage of the Fund</i>
Venture Capital:		
Adams Capital Management, LP		
Co-Investment 2000 Fund, L.P.		
Co-Investment Fund II, L.P.		
Cross Atlantic Technology Fund II		
Cross Atlantic Technology Fund, L.P.		
LLR Equity Partners II, L.P.		
LLR Equity Partners III, L.P.		
LLR Equity Partners IV, L.P.		
LLR Equity Partners, L.P.		
NEPA Venture Fund II		
Novitas Capital, L.P.		
Novitas Capital II, L.P.		
Quaker BioVentures II, L.P.		
Quaker Bio-Ventures, L.P.		
SCP Private Equity Partners I, L.P.		
SCP Private Equity Partners II, L.P.		
TDH III, L.P.		
Subtotal Venture Capital:	\$ 427.2	0.8%
Total External Management	\$ <u>2,892.9</u>	<u>5.7%</u>
Total Investment Portfolios Managed in PA	\$ <u>15,860.9</u>	<u>31.2%</u>

(1) Market values for individual Real Estate and Private Market investments are not being disclosed at this time.



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Summary of Investments in Pennsylvania
(as of December 31, 2014)

Where investment characteristics including yield, risk, and liquidity are equivalent, the Board’s policy favors investments that have a positive impact on the economy of Pennsylvania. The Board, in managing the investment portfolio, will also be cognizant of concentration risk to any one region, including Pennsylvania. The Fund will continue to seek investments in Pennsylvania-based companies when the investment characteristics are equivalent to other favorable investments, subject to diversification considerations.

The following is a table of Pennsylvania-based investments and other statistics at December 31, 2014 (\$’s in millions):

<i>Asset Class</i>	<i>Total PA Market Value (PSERS' Portion)</i>	<i>Total PA Market Value (Total Invested)</i>	<i># of People Employed</i>	<i>Payroll</i>
U.S. Equities	\$ 146.8	\$ 146.8	*	\$ *
Fixed Income	98.8	98.8	*	*
Private Real Estate	138.4	2,937.0	290	9.9
Private Markets:				
Venture Capital	166.3	595.7	4,303	123.5
Private Equity	1,625.0	44,056.0	27,779	845.9
Private Debt	<u>156.8</u>	<u>1,145.0</u>	<u>8,264</u>	<u>166.3</u>
Total	\$ <u>2,332.1</u>	\$ <u>48,979.3</u>	<u>40,636</u>	\$ <u>1,145.6</u>

* Statistics for publicly traded companies not included due to the difficulty in obtaining the information.

U.S. Equities

PSERS invests in the stock of Pennsylvania-based companies through the various U.S. Equity portfolios managed by external and internal portfolio managers. PSERS has always had substantial investments in large national firms located in Pennsylvania, a list of which is included later in this section.

Fixed Income Securities

PSERS invests in the debt of Pennsylvania-based companies through the various Fixed Income portfolios managed by external and internal portfolio managers. PSERS has always had substantial investments in large national firms located in Pennsylvania, a list of which is included later in this section.

Private Real Estate

PSERS has investments in limited partnerships that have invested in Pennsylvania real estate properties. PSERS has committed \$207.5 million in three funds (Fund V, Fund VI, and a Co-Investment Fund) managed by Equus

Capital Partners, Ltd., located in Philadelphia. PSERS has committed \$550 million in five funds (Lubert-Adler Funds II, III, IV, V and VI) managed by Lubert-Adler, and \$150 million of commitments in two funds (LEM Real Estate Mezzanine Fund II and LEM RE High Yield Debt & Preferred Equity Fund III) managed by LEM Mezzanine Partners, both located in Philadelphia. Finally, PSERS has committed \$150 million in two funds (Exeter Industrial Value Fund II and III) managed by Exeter Property Group, located in Plymouth Meeting.

As of December 31, 2014, PSERS’ Pennsylvania real estate portfolio contained 82.9 million square feet of office, retail, and warehouse space and 33,519 apartment, hotel and condominium units. The gross market value of the Pennsylvania real estate portfolio investments totaled \$2.9 billion, of which PSERS’ ownership share was \$138.4 million. The portfolio contains numerous notable Pennsylvania real estate investments, including:

- 5 North Fifth Street - PSERS owns a 100% interest in this major downtown Harrisburg, PA office building that contains 70,693 square feet of office space. The building is PSERS’ headquarters and is fully occupied by PSERS.
- Brandywine Office Portfolio – The Brandywine Office Portfolio consists of 29 properties totaling 1.6 million square feet and is located in the Lehigh Valley. This investment was made by DRA Growth and Income Fund VI.
- Brixmor - Blackstone Real Estate Partners VI made an investment in a nationwide portfolio of neighborhood shopping centers, comprising over 91 million square feet of gross leasable area in 39 states. There are 18 centers comprising over 7.0 million square feet of this portfolio located in Pennsylvania. This company listed on the NYSE on October 30, 2013.

Summary of Investments in Pennsylvania

(as of December 31, 2014)

(continued)

- Kenmawr – This investment is a part of a long-term joint venture relationship between Lubert-Adler and Philadelphia Management and Companies (PMC) that specializes in adaptive re-use of vacant buildings into stable, high quality rental apartments within and outside of Pennsylvania. The Kenmawr investment is located in Pittsburgh, PA and consists of 206 apartment units and 44 commercial units. The Kenmawr investment was made in Lubert-Adler Real Estate Funds V and VI.
- The Franklin – The Franklin is an 18-story, mixed-use property with 125,788 square feet of medical office and retail space, in addition to 412 residential units. This investment is located in Philadelphia, PA and was made by AG Core Plus Realty Fund III.

Venture Capital

PSERS' Venture Capital program has committed \$2.7 billion to 55 partnerships since the inception of the program. In addition to the current international scope of venture capital investments, a historical objective of this program has been to target partnerships that demonstrate an ability to invest in Pennsylvania-based companies. Selected partnerships offer diversification according to geographic region and financing stage within Pennsylvania. From the inception of this program to December 31, 2014, 30 of the 55 venture capital partnerships were headquartered in Pennsylvania.

PSERS is generally the lead investor in many of the venture capital funds in which PSERS invests. As a lead investor, PSERS provides Pennsylvania with capital from numerous out-of-state investors. As of December 31, 2014, PSERS' Venture Capital partnerships invested in 123 Pennsylvania locations employing 4,303 employees with a combined payroll of \$123.5 million. The market value of these investments was \$595.7 million, of which PSERS' share was \$166.3 million.

A key objective of PSERS' venture capital program is to attract both national and regional funds into the Pennsylvania small business community. Venture capital investments serve to accelerate economic growth in both the business sector and the community due to an increase in employment and revenues within the Commonwealth. Following are a sample of Pennsylvania companies invested in by PSERS through the Venture Capital program:

- Pet360 Inc. (formerly PetFood Direct), Montgomeryville, PA – Pet360 is one of the largest online retailers of pet food and related products. With over 11,000 products and 400 brands, the company meets the needs of pet owners by offering selection, discount prices and convenient delivery.

The company also provides value-added services for its customers, including an auto-ship program and information on pet healthcare and nutrition. LLR Equity Partners II made this investment.

- Precision Therapeutics, Inc., Pittsburgh, PA - Precision is a leader in the development and commercialization of clinically proven, decision support tools and services that assist physicians treating cancer patients. The company's mission is to improve treatment outcomes for cancer patients through technology that enables the individualization of therapy. Quaker BioVentures I made this investment.
- Strategic Distribution, Inc., Bristol, PA. - Strategic Distribution, Inc. provides outsourced maintenance, repair and operations supply chain management services. Strategic Distribution, Inc. manages the procurement and inventory management of more than 2.0 million maintenance, repair and operations SKUs through the combination of customer integrated technology, on-site professional staff and centralized, supplier-agnostic sourcing and operations departments. LLR Equity Partners III made this investment.
- TELA Bio, Inc., Malvern, PA - TELA Bio is developing and commercializing innovative biosurgical products for use in advanced surgical reconstruction procedures. The company is targeting the hernia repair market initially and has licensed a founding technology that promises to address unmet clinical needs. The company is currently conducting animal studies to optimize the core technology prior to a targeted commercial launch in 2014. Quaker BioVentures II made this investment.

Private Equity

PSERS' Private Equity program has committed \$18.8 billion to 138 partnerships since the inception of the program. PSERS is the lead investor in many of the private equity funds in which it invests. As a lead investor, PSERS provides Pennsylvania with capital from numerous out-of-state investors. As of December 31, 2014, PSERS' Private Equity partnerships invested in 553 Pennsylvania locations employing 27,779 employees with a combined payroll of \$845.9 million. The market value of these investments was \$44.1 billion, of which PSERS' share was \$1.6 billion. From the inception of this program to December 31, 2014, 7 of the 138 partnerships were headquartered in Pennsylvania. The following companies are a sample of Pennsylvania investments funded through PSERS' private equity partnerships:

- Bacharach, Inc., New Kensington, PA - Bacharach was founded in 1909 and changed ownership several times before it was purchased by an individual in 1986 from United Technologies. Between 1986 and mid-2000's, Bacharach rapidly diversified its product line

**Summary of Investments in
Pennsylvania
(as of December 31, 2014)
(continued)**

through new introductions and acquisitions. Today, Bacharach is a leading manufacturer of handheld and fixed-based instruments for the measurement and detection of gases and the recovery of refrigerants. The company's products include instruments that detect, measure and record combustion and environmental gases, temperature, relative humidity, air velocity and other air quality and safety parameters. Bacharach sells its products to a mix of customers including heating, ventilation, air conditioning and refrigeration (HVAC/R) distributors, industrial and master distributors, catalog houses and Original Equipment Manufacturers (OEMs). PNC Equity Partners III made this investment.

- Blaschak Coal Corp., Mahanoy City, PA - Blaschak Coal Corp. ("Blaschak") is a miner, preparer and marketer of anthracite, a relatively rare form of coal that has high carbon content and low levels of impurities, making it a valuable fuel for a variety of industrial applications and home heating. Blaschak is a market leader and one of the few fully integrated U.S. anthracite companies with a large reserve base, multiple mines, multiple preparation plants, a bagging plant, rail and truck loading facilities and extensive marketing operations serving several end markets. Milestone Partners III made this investment.
- CODi, Inc., Harrisburg, PA – CODi, Inc. is a provider of lightweight, high-quality laptop computer cases and information technology accessories to Fortune 500 companies. CODi's accumulated knowledge dealing with the "corporate road warrior" allows the company to uniquely service corporate and consumer needs with precision. CODi uses a direct sales force to its competitive advantage, allowing a one-stop solution for customers in a market where distributors and value-added resellers are the norm. This one-stop approach allows high profitability as it captures up to three levels of contributions margins. Milestone Partners II made this investment.
- Primanti Bros., Pittsburgh, PA – Primanti Bros. is a restaurant that serves sandwiches, burgers, buffalo wings, salad, and pizza in a sports oriented environment. Since Primanti Bros. was founded in 1933 they have expanded to 20 locations with 16 of them located in the Pittsburgh area. Additional plans for expansion are currently underway. Primanti Bros. signature sandwiches have been featured in National Geographic, and on the Travel Channel's Man V. Food and Food Paradise television shows. Catterton Partners VII, L.P. made this investment.

Private Debt

PSERS' Private Debt program has committed \$4.7 billion to 30 partnerships since the inception of the program. PSERS is the lead investor in many of the private debt funds in which PSERS invests. PSERS has committed \$375 million to the three Pennsylvania-based Versa Capital Partners funds (formerly known as Chrysalis Capital Partners) managed by Versa Capital Management, located in Wayne, Pennsylvania. As of December 31, 2014, PSERS' private debt partnerships invested in 155 Pennsylvania locations employing 8,264 employees with a combined payroll of \$166.3 million. The market value of these investments was \$1.1 billion, of which PSERS' share was \$156.8 million. From the inception of this program to December 31, 2014, three of the 30 private debt partnerships were headquartered in Pennsylvania. The following companies are a sample of Pennsylvania investments made through PSERS' Private Debt Program:

- David's Bridal, Ardmore, PA - David's Bridal is the leading bridal gown and bridal accessory retailer in the United States operating through the David's Bridal and Priscilla's of Boston divisions. The David's Bridal division is a value-oriented provider while Priscilla's of Boston is a luxury brand that caters to the more affluent segments of the market. This investment was made through New York Life Investment Management Mezzanine Partners II.
- DynaVox, Pittsburgh, PA - DynaVox, a former division of Sunrise Medical spun-out in May 2004, is the market leader in the alternative and augmentative communication industry, developing and selling devices and software for individuals affected by speech disabilities resulting from traumatic, congenital or degenerative conditions. This investment was made through New York Life Investment Management Mezzanine Partners I.
- Keane & Sons Drilling Corp., Lewis Run, PA – Keane & Sons Drilling provides oilfield services in the Appalachian Basin, including top hole drilling and hydraulic fracturing services to major operators in the Marcellus Shale basin and across the U.S. This investment was made through Cerberus Institutional Partners, L.P. – Series Four.
- Vestis Retail Group, Philadelphia, PA - Vestis Retail Group is the combined parent of Bob's Stores and Eastern Mountain Sports ("EMS"). Bob's is a value-oriented retail chain selling branded apparel, footwear, activewear and sportswear in the Northeast. EMS is an iconic retailer of outdoor gear and apparel operating in the Northeast and Mid-Atlantic. This investment was made through Cerberus Institutional Partners – Series Two.

**Summary of Investments in
Pennsylvania
(as of December 31, 2014)
(continued)**

PSERS Private Equity Internal Program

PSERS' Private Equity Internal Program has committed \$195.1 million to 16 investments since the inception of the program. PSERS has committed \$2.5 million to one investment based in Pennsylvania. PSERS's Private Equity Internal Program was initiated in 2013 and consists of co-investments and secondary fund investments where PSERS is already a Limited Partner. The number of employees, payroll, and market value are included within the private equity figures.

Section 4 - Commitment to Pennsylvania

Pennsylvania-Based Publicly Traded Stocks

(as of December 31, 2014)

<i>Security</i>	<i>Shares Outstanding</i>	<i>Market Value</i>
Air Products & Chemicals, Inc.	35,095	\$ 5,061,752
Airgas, Inc.	12,267	1,412,913
Allegheny Technologies, Inc.	24,368	847,275
American Eagle Outfitters	37,549	521,180
Amerigas Partners LP	208,423	9,987,630
Amerisourcebergen Corp.	37,908	3,417,785
Ametek, Inc.	44,873	2,361,666
Ansys, Inc.	19,716	1,616,712
Aqua America, Inc.	37,891	1,011,690
Atlas Energy LP	200,000	6,230,000
Carpenter Technology Corp.	11,420	562,435
Comcast Corp.	57,990	3,364,000
Cone Midstream Partners LP	67,701	1,632,948
Consol Energy, Inc.	98,064	3,315,544
CrossAmerica Partners LP	249,713	10,060,937
Dentsply International, Inc.	25,824	1,375,644
Dicks Sporting Goods, Inc.	21,046	1,044,934
EQT Corp.	55,299	4,186,134
Federated Investors, Inc.	98,219	3,234,352
FMC Corp.	24,316	1,386,741
Fulton Financial Corp.	39,742	491,211
Harsco Corp.	17,335	327,458
Hershey Company	27,001	2,806,214
Interdigital, Inc.	228,972	12,112,619
Kennametal, Inc.	16,969	607,321
Liberty Property Trust	31,865	1,199,080
Lincoln National Corp.	47,402	2,733,673
MSA Safety, Inc.	6,746	358,145
Mylan Labs, Inc.	68,291	3,849,564
PNC Financial Services Group, Inc.	96,013	8,759,266
PPG Industries, Inc.	25,040	5,787,996
PPL Corp.	121,350	4,408,646
Rice Energy, Inc.	57,395	1,203,573
Rice Midstream Partners LP	651,395	10,910,866
SEI Investments Co.	27,982	1,120,399
Sunoco Logistics Partners LP	415,754	17,370,202
Teleflex, Inc.	8,884	1,020,061
Toll Bros., Inc.	34,730	1,190,197
Triumph Group, Inc.	10,895	732,362
UGI Corp.	36,988	1,404,804
United States Steel Corp.	38,919	1,040,694

Section 4 - Commitment to Pennsylvania

Pennsylvania-Based Publicly Traded Stocks

(as of December 31, 2014)

(continued)

<i>Security</i>	<i>Shares Outstanding</i>	<i>Market Value</i>
Universal Health Services, Inc.	16,614	\$ 1,848,474
Urban Outfitters, Inc.	18,255	641,298
Vishay Intertechnology, Inc.	29,101	411,779
Westinghouse Air Brake Technologies Corp.	20,648	<u>1,794,105</u>
Total		\$ <u>146,762,280</u>

Pennsylvania-Based Bonds

(as of December 31, 2014)

<i>Security</i>	<i>Interest Rate (%)</i>	<i>Maturity Date</i>	<i>Par Value</i>	<i>Market Value</i>
Amerisourcebergen Corp.	1.150	05/15/2017	1,000,000	\$ 991,550
Bethel Park PA	4.000	09/01/2033	2,000,000	2,094,340
Chester County PA	5.000	11/15/2031	2,660,000	3,129,623
Comcast Corp.	6.450	03/15/2037	370,000	492,255
Comcast Corp.	6.400	03/01/2040	302,000	408,573
FS Investment Corp.	4.250	01/15/2020	54,000,000	53,738,640
H.J. Heinz Finance Company	7.125	08/01/2039	390,000	421,200
Harsco Corp.	2.700	10/15/2015	7,100,000	7,091,125
Hempfield PA Area School District	5.000	10/15/2018	2,650,000	2,685,404
Hershey Foods Corp.	7.200	08/15/2027	1,000,000	1,385,420
Montgomery County PA	6.030	09/01/2039	3,400,000	3,738,334
Mylan, Inc.	7.875	07/15/2020	430,000	458,036
PHEAA	0.760	08/25/2040	421,946	421,946
PHEAA	0.866	04/25/2019	126,405	126,553
PNC Bank	0.537	08/01/2017	10,000,000	9,963,600
PNC Bank	0.543	01/28/2016	4,000,000	4,004,800
PPL Capital Funding, Inc.	4.200	06/15/2022	470,000	497,899
PPL Electric Utilities Corp.	2.500	09/01/2022	3,000,000	2,964,360
Rohm & Haas Company	6.000	09/15/2017	1,024,000	1,132,524
Verizon Pennsylvania Inc.	8.350	12/15/2030	2,229,000	<u>3,061,732</u>
Total				\$ <u>98,807,914</u>

Section 4 - Commitment to Pennsylvania

Real Estate Separate Account Pennsylvania Properties
(as of December 31, 2014)

Real Estate Separate Account Pennsylvania Properties

Property	Location	Description	Manager
5 North Fifth Street	Harrisburg	5 story office building (PSERS headquarters)	Grosvenor

Total market value (unaudited) of Pennsylvania-based properties was \$7.2 million as of December 31, 2014.

Section 4 - Commitment to Pennsylvania

Pennsylvania-Based Private Equity/Venture Capital/

Private Debt Partnerships

(Dollar Amounts in Millions)

(Since the inception of the program as of December 31, 2014)

<i>Partnership</i>	<i>Location</i>	<i>PSERS Maximum Capital Commitment</i>
Adams Capital Management, L.P.	Sewickley	\$ 12.5
APA/Fostin Venture Fund I (closed)	King of Prussia	20.0
CEO Venture Fund I (closed)	Pittsburgh	1.0
CEO Venture Fund II (closed)	Pittsburgh	15.0
Co-Investment 2000 Fund, L.P.	Wayne	135.0
Co-Investment Fund II, L.P.	Wayne	135.0
Commonwealth Venture Partners I (closed)	Philadelphia	20.0
Commonwealth Venture Partners II (closed)	Philadelphia	10.0
Cross Atlantic Technology Fund, L.P.	Radnor	30.1
Cross Atlantic Technology Fund II, L.P.	Radnor	21.1
Graham Partners Investments, L.P.	Newtown Square	56.7
Incline Equity Partners III (PSERS), L.P.	Pittsburgh	65.0
Keystone Minority Capital Fund (closed)	Philadelphia	0.1
Keystone Venture Fund IV (closed)	Philadelphia	7.8
LLR Equity Partners, L.P.	Philadelphia	62.5
LLR Equity Partners II, L.P.	Philadelphia	75.0
LLR Equity Partners III, L.P.	Philadelphia	187.5
LLR Equity Partners IV, L.P.	Philadelphia	200.0
Loyalhanna Venture Fund (closed)	Pittsburgh	15.0
Milestone Partners II, L.P.	Rosemont	29.9
Milestone Partners III, L.P.	Rosemont	60.0
Milestone Partners IV, L.P.	Rosemont	70.0
NEPA Venture Fund I (closed)	Bethlehem	1.0
NEPA Venture Fund II	Bethlehem	5.0
Novitas Capital I, L.P.	Wayne	30.0
Novitas Capital II, L.P.	Wayne	75.0
P/A Fund (closed)	King of Prussia	30.0
PNC Equity Partners, L.P.	Pittsburgh	43.1
PNC Equity Partners II, L.P.	Pittsburgh	68.1
Quaker BioVentures, L.P.	Philadelphia	69.4
Quaker BioVentures II, L.P.	Philadelphia	100.0
SCP Private Equity Partners I, L.P.	Wayne	62.5
SCP Private Equity Partners II, L.P.	Wayne	125.0
TDH III, L.P.	Rosemont	7.3
Technology Leaders, L.P. (closed)	Wayne	10.0
TL Ventures III, L.P. (closed)	Wayne	50.0
Versa Capital Partners, L.P. (f/k/a Chrysalis)	Wayne	75.0
Versa Capital Partners II, L.P.	Wayne	150.0
Versa Capital Partners III, L.P.	Wayne	150.0
Total		<u>\$ 2,280.6</u>

Section 4 - Commitment to Pennsylvania

Pennsylvania-Based Real Estate Partnerships

(Dollar Amounts in Millions)

(Since the inception of the program as of December 31, 2014)

<i>Partnership</i>	<i>Location</i>	<i>PSERS Maximum Capital Commitment</i>
BPG Investment Partnership IV, L.P. (closed)	Philadelphia	\$ 75.0
BPG Investment Partnership V, L.P.	Philadelphia	50.0
BPG Investment Partnership VI, L.P.	Philadelphia	87.5
BPG/PSERS Co-Investment Fund	Philadelphia	100.0
Exeter Industrial Value Fund II, L.P.	Plymouth Meeting	75.0
Exeter Industrial Value Fund III, L.P.	Plymouth Meeting	75.0
LEM RE High Yield Debt & Preferred Equity Fund III, L.P.	Philadelphia	75.0
LEM Real Estate Mezzanine Fund II, L.P.	Philadelphia	75.0
Lubert-Adler Real Estate Fund II	Philadelphia	50.0
Lubert-Adler Real Estate Fund III	Philadelphia	150.0
Lubert-Adler Real Estate Fund IV	Philadelphia	100.0
Lubert-Adler Real Estate Fund V	Philadelphia	100.0
Lubert-Adler Real Estate Fund VI	Philadelphia	<u>150.0</u>
Total		\$ <u>1,162.5</u>



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