



City of San Jose

Investment Consulting Presentation

November 24, 2015

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255 State Street, Boston, MA 02109 | TEL: 617.374.1300 | FAX: 617.374.1313 | www.nepc.com BOSTON | ATLANTA | CHARLOTTE | CHICAGO | DETROIT | LAS VEGAS | SAN FRANCISCO

Top Criteria for Selecting Investment Consulting Firms

- Relevant Resources and Capabilities Public Fund Experience and Expertise
- Well-Articulated Investment Consulting Philosophy
- Qualifications of Team Responsible for Relationship
- Deep, Tenured Team of Research Specialists Across Traditional and Non-Traditional Asset Classes
- Past Investment Performance
- Competitive Fees



Resources

- Stable, diverse, and tenured team with knowledge across the institutional investment market
- High client service level average of 6 clients per consultant
- 50 person dedicated team of research specialists, including large commitment to nontraditional asset classes

Research

- Multi-faceted asset allocation process incorporating traditional and proprietary models
- Innovative, forward-thinking research culture with flexibility to create custom solutions
- Top down and bottom up idea generation

Results

- Client performance has outperformed peer averages²
- Risk-adjusted performance is also superior
- Asset allocation and manager selection have added value
- Superior client satisfaction consistently documented by Greenwich Associates

Past performance is no guarantee of future results. Please see additional information on the Disclosure page.



¹Greenwich Associates, 2014 Evaluations by U.S. Institutional Investors. Greenwich Associates is an independent research firm. Their rankings do not represent an endorsement of NEPC.

²Represented by the median fund in the \$3.5 trillion InvestorForce Universe (or the ICC Universe through 2011).

NEPC's Commitment to the City of San Jose

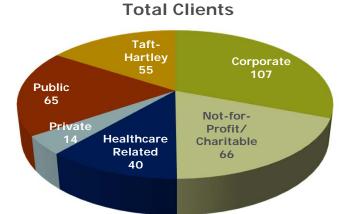
- As Investment Staff has grown, we recognize that additional resources are required to continue to provide the highest level of client service
- Proposed consulting team provides complementary skill sets
 - Acts as liaison to broader NEPC research platform
- Reduction in number of clients allows Allan Martin to play a more active role in the relationship
- Recently hired new Consultant Support Analyst in Redwood City office



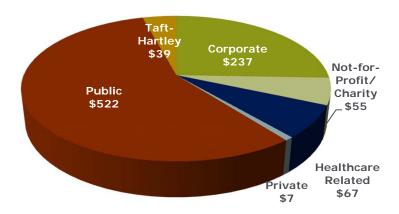
Introduction to NEPC

About NEPC

- Established in 1986 in Boston, MA
- 246 employees in 7 regional offices
- Employee-owned with 34 partners
- 100% of revenue from advisory and discretionary consulting services
- 347 institutional clients¹
- \$927 billion assets under advisement¹
 - Public funds account for over 56% of total assets
- Practice groups within NEPC deliver expertise by client type







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Hallmarks of NEPC

Trusted advisor

- Advisory and discretionary consulting are our sole lines of business
- Independent business model
- Firm stability and growth have allowed us to consistently reinvest in our business
- More than 75% of the clients that have engaged NEPC as an investment advisor over the last 15 years are still clients today

Experienced professionals

- Destination for professionals impassioned to consult
- One of the investment consulting industry's largest research teams

Proactive asset allocation advice and innovative investment solutions

- NEPC's collective client base has outperformed the InvestorForce/ICC median¹ in 25 of the 29 years since our founding in 1986
- History of client and NEPC recognition²

YOU DEMAND MORE. So do we. SM

¹The median fund in the \$3.5 trillion InvestorForce Universe (or the ICC Universe through 2011) represents average performance among a nationwide sample of plan sponsor results. ²Each client account is individually managed thus actual holdings, performance and satisfaction will vary for each client and there is no guarantee that a particular client's account will have the same characteristics as described herein. Past performance is no guarantee of future results.

NEPC's Recent Awards

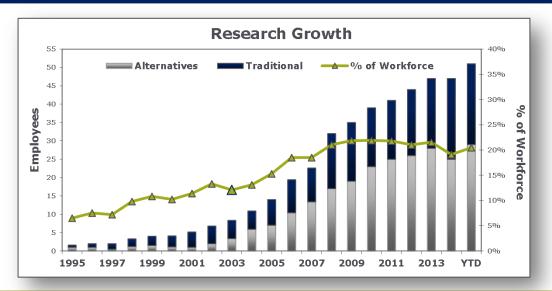
- 2015 CIO World's Most Influential Investment Consultants
 - KC Connors, CFA, CAIA, Partner (Specialist Consultant)
 - Tim McCusker, CFA, CAIA, FSA, CIO (Generalist Consultant)
- 2015 Wealth & Finance International's Alternative Investment Awards
 - Sustained Excellence in Client Investment Management
 - Macro Strategy Specialist of the Year USA
- 2014 CIO World's 25 Most Influential Investment Consultants
 - KC Connors, CFA, CAIA, Partner
 - Tim McCusker, CFA, CAIA, FSA, CIO
- 2013 CIO's Industry Innovation Award Consultant category
- 2013 CIO World's 25 Most Influential Investment Consultants
 - KC Connors, CFA, CAIA, Partner
- 2012 CAIA Association's inaugural CAIA Corporate Recognition Award
- 2012 InvestHedge's Investor Excellence Award – Consultant category
- 2012 CIO World's 25 Most Influential Investment Consultants
 - Allan Martin, Partner
- 2012 MMI's Public Fund Consultant of the Year Award
 - Kevin M. Leonard, Partner
- 2011 CIO's Industry Innovation Award Consultant category



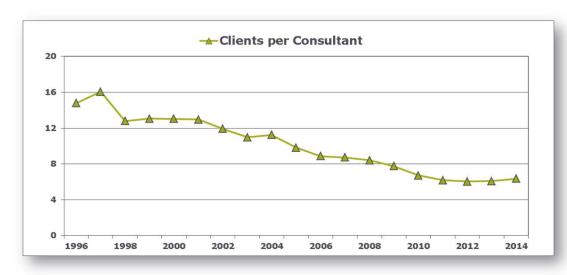
Dedicated Consulting and Research Teams

NEPC employs 50 dedicated research professionals¹

- Traditional manager research is a cornerstone of our efforts
- One of the largest alternative asset research groups in the industry
- Four actuaries on staff, one consultant with formal actuarial training, and one PhD specializing in risk budgeting and asset allocation



Client Commitment

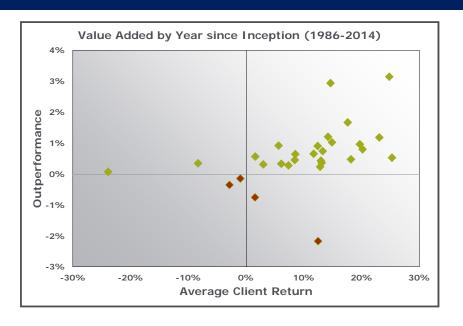


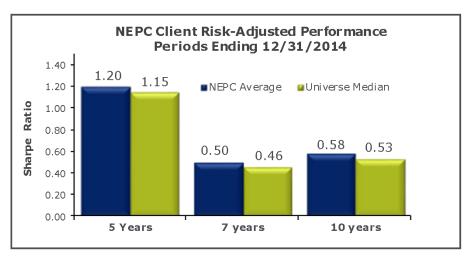
Selective growth

- Balance resources, product and services
- Recognize increased servicing requirements
- Declined 152 RFPs in 2014

Our Clients' Results – NEPC's Overall Composite

 Our collective client base has outperformed the InvestorForce/ICC median¹ in 25 of the 29 years since our founding in 1986





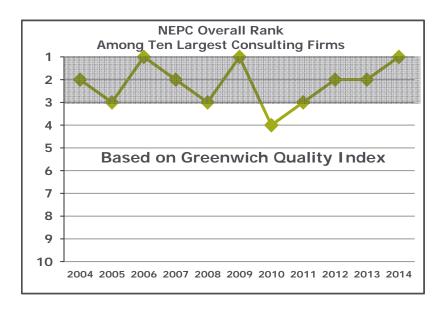
- Outperformance on a riskadjusted basis, as measured by the Sharpe Ratio
- Reflects the impact of both asset allocation and manager performance

¹The median fund in the \$3.5 trillion InvestorForce Universe (or the ICC Universe through 2011) represents average performance among a nationwide sample of plan sponsor results. NEPC and universe results are both gross of fees. Past performance is no guarantee of future results. Please see additional information on the Client Results Disclosure page.



Client Satisfaction

- Greenwich Associates surveys over 1,000 large plan sponsors regarding their investment consulting relationships.
- NEPC has consistently achieved favorable client satisfaction ratings among the ten largest firms:
 - Ranked #1 overall in 2014 as measured by the overall Greenwich Quality Index (GQI) for the Investment Consulting Business
 - Only firm with GQI ranking in the top three in ten of the last 11 years
 - Ranked #1 in seven of 14 key success factors in 2014
- NEPC compensates its non-partner employees with a supplemental Quality Bonus whenever our client ratings rank us in the top three among the ten largest investment consulting firms.



Source: Greenwich Associates, 2014 Evaluations by U.S. Institutional Investors.

- Greenwich Associates is an independent research firm. Their rankings do not represent an endorsement of NEPC.
- Past performance is no guarantee of future results.
- · See Appendix for important disclosures that should be viewed in connection with this exhibit.



Key Success Factors

Greenwich Associates U.S. Client Evaluations – Investment Consulting Business 2014 Rankings of 10 Largest Consultants: Key Success Factors

	NEPC	Firm A	Firm B	Firm C	Firm D	Firm E	Firm F	Firm G	Firm H	Firm I
Market Position (# of Clients)	1	2	3	4	5	6	7	7	9	10
Overall Greenwich Quality Index	1	4	6	2	8	9	5	10	3	7
Investment Counseling										
Understanding Clients' Goals & Objectives	2	2	6	2	7	9	10	7	5	1
Advice on Long-term Asset Allocation	1	2	9	8	5	6	4	10	7	3
Provision of Proactive Advice & Innovative Ideas	2	3	7	5	8	3	1	10	6	9
Capability of Consultant Assigned to Your Fund	2	4	5	3	5	9	8	9	7	1
Credibility with Investment Committee	1	6	4	2	8	10	9	6	4	3
Advice on DC Plan Structure and Design	2	5	7	3	1	8	4	9	6	10
Manager Selection										
Knowledge of Investment Managers	1	5	3	1	4	9	8	10	7	6
Satisfaction with Manager Recommendations	3	8	5	5	3	5	1	10	9	2
Client Servicing										
Responsiveness to Requests for Information	1	4	6	2	4	10	6	9	3	8
Personal Meetings	1	6	3	2	5	9	7	8	4	9
Usefulness of Written Investment Reviews	1	5	3	1	7	9	3	10	7	5
Sufficient Professional Resources to Meet Your Needs	2	2	5	1	4	10	7	9	7	6
Timeliness in Providing Written Information & Reports	1	7	6	2	8	2	5	10	4	9
Commercial Arrangement										
Reasonable Fees (Relative to Value Delivered)	2	5	7	4	10	7	6	9	3	1

Source: Greenwich Associates, 2014 Evaluations by U.S. Institutional Investors.

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Representative Client List

Public

Anne Arundel County

Arizona Public Safety Personnel Ret. System Arizona State Retirement System

Baltimore County ERS

Boston Water and Sewer Commission

Braintree Retirement Board

Chicago Laborers' & Retirement Board

Employees' Annuity & Benefit Fund

Chicago Policemen's Annuity & Benefit Fund

City of Boston - Trust Funds

City of Detroit, Michigan

City of San Jose Police & Fire Dept. Ret. Plan

Dallas Police & Fire Pension System Fairfax County Uniformed Retirement System

Louisiana State Employees Retirement System Massachusetts Water Resource Authority

New Mexico Educational Retirement Board

NY City Metropolitan Transportation Authority

Ohio Public Employees Retirement System

Oklahoma State Pension Commission

Oklahoma Tobacco Settlement Trust

Omaha Schools Employees' Retirement System

Orange County ERS

Regional Transportation Authority

San Antonio Fire & Police Pension Fund

San Bernardino County ERA

San Francisco ERS

St. Louis Public School Retirement System

State Boston Retirement System

State of Vermont

State Universities Retirement System of Illinois

Town of Belmont, Massachusetts

State of Wisconsin Investment Board

State of Wyoming Retirement System

Ventura County ERA

West Virginia Board of Treasury Investments

Taft-Hartley

ABC-NABET

Boston Newspaper

Boston Plasterers' & Cement Masons' Local 534

Boston Shipping Association

Desert States UFCW Pension Fund

Fulton Fish Market

IBT Local 111

IUOE Locals 12 & 324

Sheet Metal Workers Local 40

Southern California IBEW-NECA

Teamsters Local 856

UFCW - Northern California

Western Pennsylvania Teamsters & Employers

Corporate

Alliant Energy Corporation

Bose Corporation

Eversource Energy

Iberdrola USA Management Corp.

JM Family Enterprises, Inc.

Maine General Hospital

National Grid

Ocean Spray Cranberries

SBC Holdings

United Airlines

United Technologies Corporation

Healthcare Related

Blue Cross/Blue Shield of Kansas

Boston Medical Center

Care New England

Christus Health

Fallon Community Health Plan

Hebrew SeniorLife

Henry Ford Health System

Johns Hopkins Hospital

Lahey Clinic

MVP Health Care, Inc.

Rochester Regional Health

Rush University Medical Center

Shriners Hospitals for Children, Inc.

St. Barnabas Hospital

University of Maryland Medical System

Endowments & Foundations

Community Foundation for SE Michigan Dartmouth Hitchcock Hospital & Clinic

Hebrew Immigrant Aid Society (HIAS)

Hebrew SeniorLife

Kaleida Health

MaineGeneral Healthcare

Massachusetts SPCA

Several High-Net Worth Foundations Unitarian Universalist Association

This client list is only a sample. It is not known whether or not the clients approve of the services received. It should not be considered an endorsement by any individual client listed.

Client Type	Retainer Clients	Funds less than \$1.5B	Funds greater than \$1.5B	Total Assets	Average Client Size	Median Client Size
Public Fund	65	27	38	\$522 billion	\$8.0 billion	\$2.0 billion



Our Consulting Process



Our Investment Philosophy – How We Help Clients¹

Focus of NEPC's consulting approach

- Building diversified portfolios
- Demonstrate a clear understanding of the relevant risks within client portfolios
- Asset allocation increasingly based on liabilities and spending needs
- Prudent use of active, passive, and alternative strategies
- Pursuit of higher risk-adjusted returns

Blend of strategic and tactical

- Long term strategic policy is the cornerstone
- Opportunistically adjust the portfolio as conditions warrant

Client attributes require different solutions

- Required return and risk tolerance
- Staffing and resource levels
- Investment acumen of staff and committee members
- Tolerance for legal complexities
- Desired level of investment complexity

¹Each client account is individually managed; thus, actual holdings, performance and satisfaction will vary for each client and there is no guarantee that a particular client's account will have the same characteristics or performance. Past performance is no guarantee of future results.



Our Process – Managing a Plan

Investment Policy Development Defines Goals & Objectives Reflects Plan's Unique Characteristics Monitoring & **Asset Allocation** Reporting Global Economic Capital Education & **Investment Performance** Markets Outlook Communication Analysis Opportunistic/Tactical Views Annual company letter **Investment Policy** Asset Liability Modeling Compliance Original "white paper" research 48 Hour Letter Market commentaries Frequent client correspondence Technical papers Legislative updates Risk Measurement Manager Research & Mean Variance Selection Risk Budgeting Identification of Alpha **Factor Analysis** Development of Investment Liquidity Analysis Thesis Scenario Analysis



Asset Allocation – Dedicated Resources

Dedicated Asset Allocation Team

- Ongoing asset allocation research
- Asset-liability studies
- Asset class assumption development
- Risk budgeting development
- Scenario testing development
- Portfolio construction analysis

Asset Allocation Committee

- Vets asset allocation assumptions
- Assesses current market risks
- Approves asset allocation assumptions
- Approves annual "General Actions for Clients"

Ongoing formal review

- Compare current year recommendations with market trends
- Discuss roles of investments in portfolios
- Cover 22 traditional asset classes/strategies, 17 alternative strategies

Asset Allocation Team

Tim McCusker, FSA, CFA, CAIA, Chief Investment Officer; Partner*

Christopher Levell, ASA, CFA, CAIA, Client Strategy and Asset Allocation; Partner*

Phillip Nelson, CFA
Director of Asset Allocation

John Minahan, PhD, CFA

Senior Investment Strategist++

Lynda Dennen, ASA, EA Senior Consultant

Mark Cintolo, CAIA
Consultant

Mario Tate Senior Analyst

Ian Spencer *Research Analyst*

⁺⁺Dr. John Minahan, a long-time employee of NEPC and current faculty member at MIT's Sloan School of Management, is engaged as an independent consultant to NEPC.



^{*}Ownership interest in NEPC (Partner)

Asset Allocation – A Progressive Approach

Use forward-looking, fundamental based assumptions for all forecasting

- Realistic outlook for plan changes over intermediate and long-term
- Identify opportunities for enhancing portfolio structure

Build a Mosaic

- No single asset allocation approach or model has all the answers
- All analytical tools have the potential to provide useful insights but also including shortcomings
- Minimize exposure to the shortcomings of any individual approach by using multiple perspectives and approaches to build a more robust solution

• Be Dynamic

- Build a long-term strategic allocation that can meet long-term objectives, BUT
- Look for opportunities to tilt away from the strategic allocation to add value
- Take advantage of market discrepancies across time horizons and markets





Use forward-looking, fundamental based assumptions for all forecasting

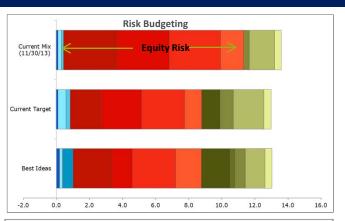
- Outlook for intermediate and long-term
- Identify opportunities for enhancing portfolio structure shorter-term

Apply multiple models to build robust, objective driven asset allocation solutions

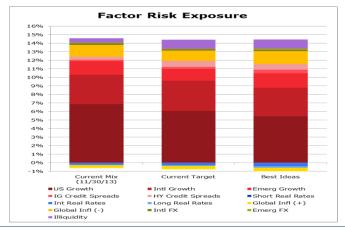
- Multiple perspectives on the portfolio provide a more comprehensive understanding of portfolio expectations and behavior in various environments
 - Mean-variance optimization
 - Risk budgeting
 - Liquidity analysis
 - Scenario analysis
 - Factor analysis

We embrace innovation in asset allocation

 Continuously work to develop new models to analyze and stress test current and potential allocations









Client Education

Continuing education is an important part of our relationship with clients.

- NEPC's Annual Company Letter
- Original "white paper" research (Since 2008, over 70 published white papers)
- Market Commentary
- Frequent Client Correspondence
- Technical Papers
- Legislative Updates

Annual Public Funds Workshop

- Two day workshop focused exclusively on public funds where NEPC clients, along with NEPC public fund consultants, members of NEPC research, Select Investment Managers and Other Industry Experts Address Issues Currently Facing Public Pension Plans as well as Investment Opportunities
- Participants include Executive Directors, CIOs, Investment Staff, and Trustees
 - Limit of 3 representatives from each client ensures focus and fosters an environment that encourages participation from all
- 2015 Agenda can be found in the appendix

*What has made this event so successful in the past is our focus on keeping it quaint and interactive, and that's exactly the positive feedback we hear from the participants each year.



Thoughts for City of San Jose



Asset Allocation Comparison for City of San Jose

	SJP&F	FCERS
Cash	1%	0%
Global Equity	31%	28%
Long/Short Equity	0%	6%
Private Equity	8%	9%
Total Equity	39%	37%
Global Fixed Income	16%	19%
U.S. Core	0%	5%
Global Core	6%	0%
Non-Investment Grade Credit	5%	7%
Emerging Markets	5%	3%
TIPS	0%	5%
Private Debt	11%	5%
Total Fixed Income	27%	24%
Real Assets	17%	23%
Real Estate	7%	7%
Commodities	7%	6%
Natural Resources	0%	5%
Private Real Assets	3%	5%
Absolute Return	6%	11%
Global Asset Allocation	10%	5%
Expected Return 5-7 year	6.6%	6.6%
Expected Return 30 year	7.7%	7.7%
Standard Dev of Asset Return	12.8%	12.4%
Sharpe Ratio	0.38	0.39
Probability of 1 Yr Return < 0%	30.2%	29.8%
Probability of 5 Yr Return < 0%	12.3%	11.8%
Probability of 1 Yr Return > 7.0%	48.8%	48.7%
Probability of 5 Yr Return > 7.0%	47.4%	47.1%
Estimated Fees (\$\$)	\$23,250,000	\$20,000,000
Estimated Fees (bps)	0.75%	0.80%

- We seek to improve risk-adjusted returns and reduce the portfolio's reliance on any one exposure to generate positive results
 - However, we understand the importance of not compromising expected return
 - While we recommend reduced risk exposure to equity, we have advocated for increased risk budgets for some clients
- NEPC believes that asset allocation is the main driver of return, but that portfolio construction is an important element
 - As a result, we tend to favor managers with flexibility to allocate across market capitalization, country, asset class, etc.

Note: Analysis completed using NEPC's 2015 Capital Market Assumptions

Note: We had to make assumptions with respect to how FCERS models asset allocation. Actual study may result in different results.



Summary of Changes to San Jose P&F Investment Program

- Having been a client since 2008, San Jose P&F has incorporated many of the investment initiatives that we would typically discuss with prospective clients.
 - Asset allocation is the single biggest decision trustees make with regard to the Plan's assets Diversification is Paramount!
 - The Plan is much more diversified than it has been historically, reducing its reliance on any one asset class to generate positive returns.
- Reduced and restructured public equity exposure
 - 66.1% as of 4Q 2007 vs. 30.4% as of 6/30/2015
- Reduced and restructured fixed income exposure
 - Core fixed income 24.2% as of 4Q 2007 vs. 5.8% as of 6/30/2015
 - Added corporate credit strategies and private debt/opportunistic credit strategies
 - Added emerging market debt
- Reduced and diversified exposure to real assets, or inflation-hedging strategies
- Added exposure to global asset allocation and absolute return/hedge fund strategies
 - Outlook for global growth remains a tail risk for financial markets
 - Divergence between central bank monetary policies and the dispersion of economic performance between countries and regions creates opportunities for these types of strategies
- Continued to build out allocations to alternative assets
 - Private Equity, Private Debt, and Private Real Estate, in particular
 - Illiquid Real Assets including Energy, Infrastructure, Timber, Natural Resources, etc. identified as potential investment opportunities



San Jose P&F Investment Objectives

- Achieve assumed rate of return over long-term
- Reduce overall Plan volatility
- Outperform policy benchmark on an absolute and risk-adjusted basis
- Outperform global 60/40 benchmark



San Jose P&F Investment Results

	Market Value	3 Mo F	Rank	YTD R	lank	1 Yr F	Rank	3 Yrs F	Rank	5 Yrs F	Rank	10 Yrs F	Rank	15 Yrs	Rank	20 Yrs	Rank	25 Yrs F	Rank	Return	Since
Total Fund	\$3,144,799,209	0.7%	23	2.0%	89	-0.8%	98	7.5%	96	8.0%	96	5.7%	93	5.8%	41	7.6%	74	8.2%	65	8.7%	Mar-71
Policy Benchmark		0.7%	24	1.9%	90	-1.0%	99	7.0%	98	8.4%	95	5.6%	93	5.3%	79	7.3%	88	-		_	Mar-71
Allocation Index		0.8%	19	1.9%	90	-0.8%	99	7.1%	97	7.9%	96	5.8%	91	5.5%	66		-	-	_		Mar-71
60% MSCI ACWI IMI (net)/40% CITI WGBI		-0.3%	92	0.3%	99	-3.2%	99	6.8%	99	7.8%	96	5.6%	94	4.7%	97	6.1%	97	-	-	-	Mar-71
InvestorForce Public DB > \$1B Gross Median		0.4%		2.6%		3.2%		10.8%		10.9%		6.8%		5.7%		7.9%		8.3%		-	Mar-71

For the five-year period ending June 30, 2015, the Fund returned 8.0%, trailing the policy benchmark by 0.4%, outperforming the plan's actuarial assumed rate, and ranking in the 96th percentile of the InvestorForce Public Funds > \$1 Billion Universe. The Fund's volatility ranks in the 26th percentile over the five-year period.

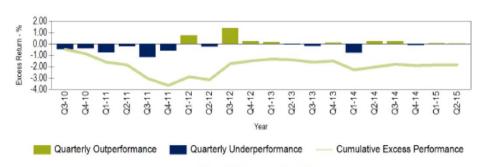
For the three-year period ending June 30, 2015, the Fund returned 7.5%, outperforming the policy benchmark by 0.5%, outperforming the actuarial assumed rate and ranking in the 96th percentile of its peers. The Fund's volatility ranks in the top quartile of its peer group for the period.

For the one year ending June 30, 2015, the Fund produced a net investment loss of \$26.5 million, which includes a net investment gain of \$23.3 million in the second calendar quarter. Assets decreased from \$3.21 billion one year ago to \$3.14 billion on June 30, 2015, with \$43.4 million in net distributions during the year.

For the one-year period ending June 30, 2015, the Fund returned -0.8%, outperforming the policy benchmark by 0.2%.

Please see the appendix for additional performance disclosures.

Quarterly and Cumulative Excess Performance



5 Years Ending June 30, 2015

	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Sharpe Ratio	Rank	Sortino Ratio	Rank
Total Fund	8.0%	96	7.0%	26	1.1	97	1.9	88
Policy Benchmark	8.4%	95	6.9%	23	1.2	93	2.2	49
InvestorForce Public DB > \$1B Gross Median	10.9%	-	7.6%	-	1.4	-	2.2	-

3 Years Ending June 30, 2015

	Anlzd Ret	Rank	Anlzd Std Dev	Rank	Sharpe Ratio	Rank	Sortino Ratio	Rank	
Total Fund	7.5%	96	4.5%	15	1.6	95	3.7	77	
Policy Benchmark	7.0%	98	4.6%	19	1.5	97	3.6	80	
InvestorForce Public DB > \$1B Gross Median	10.8%	-	5.2%	_	2.1	-	4.5	-	



Thoughts for San Jose P&F Going Forward – How Can NEPC Support Board and Staff?

- Further develop and enhance Investment Policy Statement, specifically with respect rebalancing and risk management
- Continue expansion of Private Equity program
- Diversify Real Assets exposure across liquidity spectrum
- Continue diversification of Real Estate program
- Opportunistically add to Private Debt exposure
- Evaluate efficacy of Global Fixed Income exposure
- Assist with on-going identification of best in class investment managers with the goal of continuing to improve the risk-adjusted return of the Plan
- Assist with interpretation of third party risk diagnostics



San Jose FCERS Thoughts/Observations

- San Jose FCERS has also incorporated many of the investment initiatives that we would typically discuss with prospective clients, but we have provided some considerations below.
- Consider expansion of Long/Short Equity allocation to include other alternative equity strategies that may not be long/short hedge funds.
- Consider increasing allocation to private debt to take advantage of continued but narrowing dislocation in credit markets
- Evaluate overall exposure to real assets, or inflation-hedging strategies
 - 16% combined target to commodities, natural resources and infrastructure, in addition to 5% target to TIPS within fixed income allocation, equates to more than a 20% of the Plan's assets being allocated to real assets, or inflation-hedging strategies
 - Current passive exposure to liquid natural resources and infrastructure is highly correlated to public equity markets
 - Evaluate merits of diversifying commodities exposure
- Evaluate overall exposure to absolute return/hedge fund strategies
 - Existing exposure could limit ability to add hedged strategies within traditional asset classes
- Continue to build out allocations to alternative assets
 - Private Equity, Private Debt, and Private Real Estate, in particular
 - Replace existing passive, liquid exposure to natural resources and infrastructure with Private Real Assets including Energy, Infrastructure, Timber, Natural Resources, etc.



Traditional & Alternative Asset Research



Tim McCusker, FSA, CFA, CAIA Chief Investment Officer*

Client Strategy & **Asset Allocation**

Christopher Levell, ASA, CFA, CAIA, Partner*

Client Strategy

Alternative Investments

Sean Gill, CFA, CAIA Partner*

Defined Contribution

Ross Bremen, CFA Partner*

Asset Allocation

Phillip Nelson, CFA Director of Asset Allocation

John Minahan, PhD, CFA Senior Investment Strateaist++

Lynda Dennen, ASA, EA Senior Consultant

Mark Cintolo, CAIA Consultant

Mario Tate Senior Analyst

Ian Spencer Research Analyst Traditional Research Timothy Bruce Partner*

Traditional Research

Stephen Gargano Senior Consultant

Jeff Markarian Senior Consultant

Donna Szeto, CFA Senior Consultant

Rosann Morello Manager Search Supervisor

Matthew Brady Analyst

Angela Dawson Analyst

Aidan Redmond Analyst

Research Associates

Christopher Burrell

Taylor Furlong

John Lutz

Stephanie McMurray

Alternatives Research Neil Sheth Partner*

Private Markets Research

Sean Ruhmann

Director of Private Markets*

Private Equity

Eric Harnish

Senior Consultant+

Jeffrey Roberts Senior Consultant

Chris Hill, CFA, CAIA Consultant

Melissa Mendenhall

Consultant

Aarish Patell

Consultant

Siddique Haq, CAIA Senior Analyst

Oliver Fadly, Analyst

Brad Rowbotham, Analyst

Real Assets

Andrew Brett, CAIA Consultant

Michael Yang Consultant

Matthew Ritter, CAIA Senior Analyst

William Elcock, Analyst

Hedge Fund Research

Kamal Suppal, CFA Senior Consultant

Seth Bancroft Consultant

Amanda Karlsson, CFA Consultant

Timothy O'Connell Consultant

Dulari Pancholi, CFA, CAIA Consultant

Reino Ecklord, CFA, CAIA Senior Analyst

Larissa Davy Analyst

Alissa Howard, CAIA Analyst

Victoria Margosian Analyst

Christian Pieri Analyst

Operational Due Diligence

William Bogle Partner*

Operational Due Diligence

Erin Faccone, CFA, CAIA Consultant

Kevin Lau-Hansen Analyst

- * Ownership interest in NEPC (Partner)
- + Principal designation for leadership within the Firm.
- ++ John Minahan, a long-time employee of NEPC and former faculty member at MIT's Sloan School of Management, is engaged as an independent consultant to NEPC.



How the City of San Jose Might Benefit from NEPC Research

Thought Leadership and Market Insights

- White papers and original research (more than 70 published white papers since 2008)
- Annual asset allocation views, quarterly market thoughts, ad hoc market commentary, client webinars and conferences
- Annual public funds workshop

Blend of Strategic and Dynamic Asset Allocation Philosophy

- Strategic policy is the cornerstone
- Capitalize on tactical opportunities available as a result of market dislocations (example: current energy dislocation)

• Innovative, Forward-Thinking Research Culture with Flexibility to Create Custom Solutions

- Top down and bottom up idea generation
- Managers often approach us to propose and evaluate new and/or custom solutions for clients

Collaborative Manager Research and Selection Process

 Recognize strength of our clients with respect to identifying new managers/strategies for evaluation in a timely, professional manner

Portfolio Construction and Risk Management Tools

- Active risk budgeting analysis
- Implementation of BarraONE risk management platform

Prudent incorporation of active, passive and alternative strategies

- Flexible views on active/passive implementation
- Alternative strategies can enhance return potential and provide diversification benefits

Discounted fees

 NEPC is able to leverage our collective client base and our clients often receive discounted fees, particularly when working with clients on opportunistic investments or custom investment solutions

Ongoing manager due diligence and monitoring



Searches Conducted in 2014

Total Searches & Reviews	875
Searches by Asset Class	
Large Cap Equity	31
Sm/Mid Cap & Mid Cap Equity	24
Small Cap Equity	29
All Cap Equity (includes MLP's)	13
Fixed Income	91
High Yield Bonds	8
Int'l Equity/Global Equity/Emerging	126
Global Bonds/Emerging Market Debt	122
LDI	5
GAA/TAA (includes Risk Parity & LifeCycle)	57
Commodities	11
Hedge Funds	52
Real Estate	48
Real Assets	47
Private Equity (includes Private Debt)	211)

Nearly 46% of all searches and reviews were for non-traditional managers and strategies

Total Search Assets

\$32 billion



Alternative Assets Competitive Advantage

237 clients with \$83 billion in alternative assets¹

- \$32 billion in hedge funds
- \$33 billion in private equity
- \$18 billion in real estate/real assets

Advising clients on alternative investments since 1994

- Wealth & Finance International's Alternative Investment Awards for Sustained Excellence in Client Investment Management and for Macro Strategy Specialist of the Year – USA (2015)
- InvestHedge's Investor Excellence Award in the Consultant category (2012)
- PLANSPONSOR's prestigious "Alties" Award in the Consultant category (2009)

• 29 professionals focused on alternative investments²

- 14 dedicated to hedge funds
- 14 dedicated to private markets; 5 dedicated to private real estate and real assets
- Sean W.B. Gill, CFA, CAIA, Partner, Alternative Assets Client Strategist
- 41 CAIA (Chartered Alternative Investment Analyst) designees firm wide

863 searches covering \$16.3 billion in assets over the last 3 years

Strategy	Number of Searches
Hedge Funds	146
Private Equity	507
Real Estate and Real Assets	168



NEPC's Alternative Assets Services

Develop Strategic Plan Identify & Select Managers

Post-Investment Monitoring

On-Going Education

- Specify goals & objectives
- Outline policy
- Define restrictions
- Determine vehicles
- Determine diversification
- Project cash flows
- Timelines for execution

- Screen for managers
- Perform due diligence
- Alternative Asset Committee review
- Define roles for staff, advisor, and decision makers
- Memoranda outlines firm, product, team, terms, track record

- Quarterly performance reports
- Attendance at annual meetings
- Notification regarding changes in personnel, strategy, process
- NEPC provides ongoing education for staff, board as needed
- NEPC Annual Investment Conference and Public Funds Workshop
- NEPC specialists are frequent speakers at industry events



Real Estate and Real Assets Consulting



NEPC's Competitive Advantage in Real Estate and Real Assets

Experienced team

- Team of 5 research specialists dedicated to private real estate/real assets
- Diverse backgrounds of senior real estate/real assets team including endowment management, real estate investment banking, and investment consulting
- Integrated part of 50 person NEPC research team and broader NEPC platform
- NEPC's Alternative Asset Committee reviews and votes on every investment idea

Diverse and meaningful client base

- 137 clients with real estate investments: \$11.5 billion of real estate NAV
- 85 clients with real assets investments: \$6.8 billion of real assets NAV

Broad coverage of real estate/real assets

- Investment strategies, structures and geographies

Differentiated research approach customized for clients

- Best ideas approach based on market environment
- Rigorous qualitative and quantitative analysis of strategies and managers
- Average of 11 funds added to NEPC's Focused Placement List each year

Customized client facing service approach

- Client planning and investment pacing analysis
- Quarterly client reporting
- Ongoing fund monitoring
- Special projects
- Client and board education



NEPC's Real Assets Research Team: Broad Coverage of Illiquid and Liquid Strategies

Investment Professional		Years Investment Experience	Prior Experience and Education		ime Dedicated to sets/Focus Area
	Sean Ruhmann Partner, Director of Private Markets Research	11	 Goldman Sachs & Co. and Banc of America Securities MBA from the Tuck School of Business at Dartmouth; MS in Mechanical Engineering from Texas A&M University; BS in Engineering from Trinity College 	100%	All Real Estate and Real Assets
	Andrew Brett, CAIA Research Consultant	9	State StreetBA in Economics from Union College	100%	Private Real Estate and Real Assets
	Michael Yang Research Consultant	8	 General Investment & Development Comp., AEW Capital Mgmt. MBA from F.W. Olin Graduate School of Business at Babson College; BS from Boston College, Carroll School of Management. 	100%	Private Real Estate and Real Assets
	Matt Ritter, CAIA Senior Research Analyst	5	 GMO and Brooke Private Equity Associates BS in Business Administration from Northeastern University 	100%	Private Real Estate and Real Assets
	William Elcock Research Analyst	4	 College of the Holy Cross Investment Office BA in Economics from the College of the Holy Cross 	100%	Private Real Estate and Real Assets
2	Timothy Bruce Partner, Director of Traditional Research	9	 Partners Healthcare Investment Office MBA from The University of Chicago Booth School of Business, with concentrations in Finance and Strategic Management; BA in Economics from Brown University 	15%	Liquid Real Assets
	Timothy O'Connell Research Consultant	6	Wainwright Investment CounselBA from the University of California Berkeley	15%	MLPs
	Aidan Redmond Research Analyst	5	 Atlantic Trust Private Wealth Management BS in Finance from Quinnipiac University 	60%	Commodities, Natural Resource Equities, MLPs



Broad Manager Access; Selective Fund Recommendations

- NEPC's scale provides complete access to all real estate/real assets managers and the ability to be extremely selective in identifying top funds for clients
- Only the very best ideas become part of the Firm's Focused Placement List
 - An average of 7 funds per year added to NEPC's FPL across real estate strategies and 4 across real assets strategies
- In addition, we have the ability to conduct due diligence on client generated ideas

	2010	2011	2012	2013	2014
Real Estate Summary					
Detailed Real Estate Manager Meetings	81	165	213	210	225
Funds Added to NEPC's FPL*	7	6	5	10	7
FPL Funds Added as % of Detailed Meetings	8.6%	3.6%	2.3%	4.8%	3.1%
Real Assets Summary					
Detailed Real Assets Manager Meetings	42	107	86	92	123
Funds Added to NEPC's FPL*	4	3	3	4	6
FPL Funds Added as % of Detailed Meetings	9.5%	2.8%	3.5%	4.3%	4.9%

^{*}This number indicates new funds added in a calendar year; many of these funds have 12-18 month marketing windows so were also open in the subsequent calendar year (i.e. 2010 new FPL fund that was open in 2011).







You Demand More. So do we.SM

- True independence
- Informed innovation
- Robust customization
- Experienced team with public fund experience and expertise
- One of the largest research teams in the industry, covering traditional and alternative assets
- Well-articulated investment consulting philosophy & research-driven process
- Demonstrated results
- Competitive fees







Our People

88 Consultants

- 58 Client Service Professionals
- 30 Research Professionals
- Average 22 years senior experience
- 54 Advanced Degrees
- 1 PhD, 1 JD
- 38 CFAs, 3 CPAs, 1 CTP, 3 CEBS
- 3 ASAs, 1 FSA, 3 EAs, 1 FCA, 2 MAAAs
- 28 CAIA designees, 7 in CAIA program
- 1 CIPM, 1 in CIPM program
- 8 in CFA program
- 2 MBA in process

39 Consultant Support Analysts

- Client Support
- 6 Advanced Degrees
- 7 CFAs
- 7 in CFA program
- 10 CAIAs
- 4 in CAIA program

20 Research Analysts

- Asset Class Specialists
- Manager Research
- 1 Advanced Degrees
- 1 CFA
- 5 in CFA program
- 3 CAIAs
- 4 in CAIA program

56 Portfolio Analysts

- Performance Calculation
- Portfolio Analytics
- 1 Advanced Degree
- 2 in CFA program
- 1 CAIA
- 1 in CAIA program
- 2 CIPMs

43 Systems & Administration

- Finance
- Compliance
- Consultant support
- General administration
- IS Specialist
- 13 Advanced Degrees
- 1 JD
- 1 MBA in process
- 2 in CFA program
- 1 in CIPM program
- 2 SPHR



NEPC's Organizational Structure Richard Charlton Compliance & Legal Chairman of the Board* William Bogle Chief Compliance Officer* Adrienne Camire, Esq., IACCP Internal Counsel Michael Manning, CFA, CAIA **Executive Committee** Managing Partner* **Consulting Practice** Consulting Services Research **Finance Operations** Groups Tim McCusker, FSA, CFA, Steven Charlton, CFA William Bogle CAIA Matthew Lombardi Director of Consulting Rhett Humphreys, CFA Chief Investment Officer* Chief Compliance Officer* Chief Financial Officer Services* Partner* Corporate Client Strategy & **Directors of Portfolio Finance Performance Analytics Asset Allocation** Strategy Jay Roney, CTP Margaret Boraks Robert Norcross Christopher Levell, ASA, Chris Klapinsky, CFA Partner* Senior Controller Analytics Manager CFA, CAIA, Partner* Partner* Robert Fishman, CFA Philanthropic and **Traditional Research** IT Partner* **Human Resources** Private Wealth Timothy Bruce, Director of Devan Dewey, Chief KC Connors, CFA, CAIA Traditional Research* Technology Officer **Implemented** Partner* Consultina Judy Murphy, SPHR Lenia Ascenso, Director of **Alternatives Research Data Management** Director of Organizational Discretionary Operations Development + Neil Sheth, Director of Norman LeBlanc Alternatives Research* Director Marketing *Ownership interest in Heather Martone **Operational Due** NEPC (Partner) Senior Marketing Manager **Denotes Diligence** *Principal designation **Management Group** William Bogle, Chief for leadership within the Compliance Officer* Member Firm.



NEPC's Consulting Services Team

Rhett Humphreys, CFA Partner*

Taft-Hartley

John Elliot Partner*

Michael Cairns, CEBS Partner*

Daniel Hennessy, CFA, CAIA

Senior Consultant

John Shanklin, CFA, CAIA

Senior Consultant

Michael Sullivan Senior Consultant +

John Teramana, CAIA
Consultant

Senior Analysts Jack Brodsky, CFA, CALA

Scott Freeman

Public Fund

Kevin Leonard
Partner*

John Krimmel, CPA, CFA

Allan Martin

Partner*

Partner*

Douglas Moseley
Partner*

David Barnes, CFA, CAIA Senior Consultant

Kristin Finney-Cooke, CAIA

Senior Consultant

John Krakowiak Senior Consultant

Don Stracke, CFA, CAIA Senior Consultant

Keith Stronkowsky, CFA Senior Consultant

Scott Driscoll Consultant

Daniel LeBeau Consultant

Senior Analysts Shalini Brown

Tony Ferrara, CAIA

Will Forde

Kim Kaczor

Michael Malchenko

Jay Roney, CTP Partner*

Defined Contribution

Christine Loughlin, CFA, CAIA, AIF

Partner*

Ross Bremen, CFA Partner*

Brian Donoghue Partner*

Robert Fishman, CFA Partner, Director of Portfolio Strategy*

Ashwini Apte, CAIA, AIF Senior Consultant

Kevin Cress, CFA Senior Consultant

Paul Kerry, ASA , EA Senior Consultant

Tim Fitzgerald, CAIA Consultant

Jason Gerda, CAIA Consultant

Senior Analysts Daniel Beaton

Thomas Cook
Deidre Pomerleau

Corporate

Craig Svendsen, CFA
Partner*

Joseph Breitfelder, CPA Partner*

Brad Smith, CFA, CEBS Partner*

Carolyn Smith Partner*

Ronald Cavicchio, CFA Senior Consultant

Wyatt Crumpler Senior Consultant⁺

Jeffrey Mitchell, CFA, CAIA

Senior Consultant +

Kelly Regan Senior Consultant

Brian Roberts, CAIA
Senior Consultant

Michael Valchine, CAIA, CIPM

Senior Consultant

Kevin Novak Consultant

Matthew Rowell Consultant

Senior Analysts Carrie Bescoe

Scott Chandler, CFA

Richard Chari Amanda Flemming

Daniel Peter, CFA

KC Connors, CFA, CAIA

Partner*

Endowment and Foundation

Catherine Konicki, CFA, CAIA

Partner*

Chris Klapinsky, CFA
Partner, Director of
Portfolio Strategy*

Scott Perry, CAIA
Partner*

Kristin Reynolds, CFA, CAIA

Partner*

Rich Harper, CFA, CAIA Senior Consultant⁺

Sheila Healy Berube, CFA

Senior Consultant

Sam Pollack Senior Consultant

Kristine Butler Consultant

Sebastian Grzejka Consultant

Chenae White, CPA Consultant

Senior Analysts Brandon Parrish, CFA Asher Watson Healthcare

David Moore, ARM, CEBS, CPCU Partner*

Paul Kenney, Jr., CFA Partner*

James Reichert, CFA
Partner*

Eric Vallo, CFA
Senior Consultant

Gary Wyniemko, CFA Consultant

Senior Analysts Sujatha Bhat, CFA, CAIA

Elton Thomaj, CAIA Lina Zhao, CAIA



Traditional Research Organizational Structure

Tim Bruce Director Traditional Research

Donna Szeto, CFA Senior Research Consultant

- US Large Cap Equities Growth
 & Value
- All Cap Equities
- US Mid, SMID Value, Small Cap Value
- Flex equity

Steve Gargano Senior Research Consultant

- US Small Cap Growth
- US Small Cap Core
- US SMID Growth & Core

Jeff Markarian Senior Research Consultant

- International Equities
- Emerging Equities
- Global Equity
- Liquid Real Assets

Phillip Nelson, CFA Director of Asset Allocation; Senior Research Consultant

- LDI
- GAA
- Risk Parity
- Target Date

Matt Brady Research Analyst

- Global Fixed Income
- Global Inflation Linked Bonds
- TIPS
- Global High Yield
- EMD
- Long Duration
- Municipals

Aidan Redmond Research Analyst

- Large Cap Core
- Mid Cap Core & Growth
- Liquid Real Assets
- Liquid Alternatives

Angela Dawson Research Analyst

- Core/Core Plus
- Short Duration
- Stable Value
- High Yield
- Short Duration High Yield

Rosann Morello Manager Search Supervisor

Taylor Furlong Research Associate Stephanie McMurray Research Associate Chris Burrell Research Associate John Lutz Research Associate



Private Equity Research Team and Coverage

Sean Ruhmann *Director of Private Markets Research*

NA Buyouts	European Buyouts & Growth Equity	NA Growth Equity	NA & European Venture Capital	Asian & EM Private Equity
Direct and Fund of Funds	Direct and Fund of Funds	Direct Funds	Direct and Fund of Funds	Direct and Fund of Funds
Jeff Roberts Senior Consultant Coverage Captain	Melissa Mendenhall Consultant Coverage Captain	Melissa Mendenhall Consultant Coverage Captain	Chris Hill, CFA, CAIA Consultant Coverage Captain	Eric Harnish Principal Coverage Captain

Special Situations & Turnarounds	Distressed Debt & Opportunistic Credit	Mezzanine Debt & Direct Lending	Secondaries	Multi-Strategy Fund of Funds
Direct Funds	Direct and Fund of Funds	Direct and Fund of Funds	Direct and Fund of Funds	Fund of Funds
Jeff Roberts Senior Consultant Coverage Captain	Aarish Patell <i>Consultant Coverage Captain</i>	Siddique Haq, CAIA Consultant Coverage Captain	Eric Harnish Principal Coverage Captain	Chris Hill, CFA, CAIA Consultant Coverage Captain

Supporting	Oliver Fadly	Brad Rowbotham
Team	Analyst	Analyst



NEPC Hedge Fund Research Practice Structure

Neil Sheth Director of Alternative Assets Eileen Keenan Research Coordinator

Casey Ellis Administrative Assistant

William Bogle Chief Compliance Officer, Head of Operational Due Diligence

Equity-Linked

Direct and **Fund of Funds**

Timothy O'Connell Consultant

Credit-Linked

Direct and **Fund of Funds**

Amanda Karlsson, CFA

Consultant

Reino Ecklord, CFA, CAIA

Senior Research Analyst

Victoria Margosian Research Analyst

Event Driven

Direct and **Fund of Funds**

Dulari Pancholi, CFA, CAIA Consultant

Larissa Davy Research Analyst **Trading**

Direct and **Fund of Funds**

Seth Bancroft Consultant

Alissa Howard, CAIA Research Analyst

Multi-Strategy

Fund of Funds

Kamal Suppal, CFA Senior Consultant

Christian Pieri Research Analyst **Operational Due Diligence**

Direct and **Fund of Funds**

Erin Faccone, CFA, CAIA Op. DD. Consultant

Kevin Lau-Hansen Analyst

Multi-Strategy

Direct Funds

Reino Ecklord, CFA, CAIA Senior Research Analyst

Emerging Markets

Direct and **Fund of Funds**

Kamal Suppal, CFA Senior Consultant

Christian Pieri Research Analyst



Appendix: 2015 Public Funds Workshop Agenda

2015 Public Funds Workshop Agenda

2015 Public Funds Workshop Monday and Tuesday, January 12 and 13

Workshop Agenda — January 12-13

Monday, January 12

6:30a-7:45a:Breakfast (at your leisure) in the cloister **7:45a:**Adjourn to meeting room (Palm D)

8:00a-9:30a: Opening Remarks/Fund Introductions

Kevin Leonard of NEPC to provide opening remarks, followed by Allan Martin of NEPC and participants introducing

their Fund and current key strategic initiatives

9:30a-10:30a: NEPC 2015 Capital Markets Update and Asset Allocation Thoughts

Presentation and discussion of NEPC's 2015 Capital Markets and outlook

Tim McCusker, NEPC

10:30a-10:45a: Break

10:45a-11:45a: Public Plan Trends, Threats and Challenges

Hank Kim, Executive Director and Counsel, NCPERS

11:45a–12:45p: Investing in a Low Return World

How to take smart risks in a low return world

Chris Levell, NEPC

12:45p-1:30p: LUNCH

1:30p-3:00p: \$79--\$65...Oil—Global and Market Implications

What will lower oil prices do to world economics?

Andrew Brett of NEPC to introduce Robert Sinnott, President, CEO and CIO, Kayne Anderson Capital Advisors and

Jeff Rosenberg, Managing Director, BlackRock

3:00p-3:15p: Break

3:15p-4:15p: European Credit Opportunities (Debt and Real Estate)

Alternative Opportunities in Europe

Neil Sheth and Chris Hill from NEPC will be joined by Bob Jacksha of New Mexico Educational Retirement Board (NMERB), and

Girard Miller of Orange County Employees' Retirement System (OCERS)



2015 Public Funds Workshop Agenda (continued)

4:15p-5:15p: Fee Policy, Analysis and Rationalizing Fees for Alternative Investments

Cost effective fee management

Sean Gill of NEPC will be joined by Jason Malinowski, Seattle City Employees' Retirement System (SCERS) and Sam Masoudi

from Wyoming Retirement System

5:15p: End of Day One

6:15p: Dinner – (Daniel Ivascyn, Group CIO from PIMCO—Michael Manning of NEPC to run a Q & A session)

Tuesday, January 13

6:30a-7:45a:Breakfast (at your leisure) in the cloister **7:45a:**Adjourn to meeting room (Palm D)

8:00a-8:45a: Asia Private Equity: Transformational Capital for the Transitional Decade

Melissa Ma, Co-Founder and Managing Partner, Asia Alternatives

8:45a-9:30a: Investing in Asia

Neil Sheth and Sean Gill of NEPC will be joined by Jennifer Johnson of Missouri Department of Transportation and Highway

Patrol Employees' Retirement System (MPERS)

9:30a-9:45a: Break

9:45a-10:45a: Risk Management in a Dynamic World

Tim McCusker, NEPC and Seth Birnbaum from Bridgewater Associates to discuss Tail Risk Hedging, Smart Beta, Defensive

Equity, Currency Risk, etc. Panel will also include Don Pierce, San Bernardino County Employees' Retirement Association

(SBCERA) on Total Risk Management, including Intelligent Rebalancing.

10:45a-11:45a: SPONSOR PANEL - Investments/Operations/Political Environment/Challenges

Kevin Leonard, NEPC will moderate a panel featuring Paul Matson of Arizona State Retirement System, Vincent Sunzeri of San

Jose Police and Fire, and Matt Considine of the State of Vermont

11:45a: Concluding Remarks (Rhett Humphreys, NEPC)
12:00p: Box lunch (seating available in the courtyard)



Appendix: Disclosures



Information Disclosure

- Greenwich Associates is an independent research firm, which has surveyed plan sponsors with assets in excess of \$150 million for many years to document their opinions of their investment consulting relationships.
 - Consultants receive the survey results in exchange for providing Greenwich with evaluations of investment managers who in turn compensate Greenwich for this market data.
 - The 2014 survey is based on interviews with 1,277 plan sponsors, 94 of whom retain NEPC.
 - The Greenwich Quality Index is based on collective client ratings over a number of qualitative categories, detailed on the "Key Success Factors" page.
 - The rankings presented are not necessarily representative of any single client's experience, but rather represent the collective views of NEPC's sampled clients toward the services and capabilities provided by NEPC. Rankings do not represent an endorsement of NEPC. Past performance is no guarantee of future results.

InvestorForce Plan Universe

 As of June 30, 2015, the InvestorForce Universe contained actual, custodian-supplied and audited data on over 2,279 plan sponsors, representing roughly \$3.5 trillion in assets. This data is drawn from 38 independent investment consulting firms, including NEPC.

ICC Universe

- Through 2011, universe rankings were based on the ICC Universe, which was populated by 12 independent investment consulting firms, including NEPC, and supplemented by many of the performance measurement clients of State Street Bank.
- Certain information, including that relating to market indices, was provided by sources external to NEPC. While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This document may contain confidential or proprietary information and is intended only for the designated recipient(s). If you are not a designated recipient, you may not copy or distribute this document.



Client Results Disclosure

- Past performance is no guarantee of future results.
- NEPC acts in an advisory capacity only for many clients and does not have discretion over those client assets. As a result, a client's investment performance may not be attributable solely to NEPC's advice.
- Results are reported gross of NEPC advisory fees.
 - NEPC's fees for advisory clients vary considerably depending on client size and complexity.
- Methodology and criteria
 - All returns are gross of underlying manager fees except hedge funds and private markets.
 - NEPC's Overall Composite is compiled from all Pension Plans, Endowments and Foundations for which NEPC is the sole full-retainer consultant. Plans are included in the Composite provided they have exposure to equities and fixed income (including alternatives) of at least 25% each, and no more than 20% to other assets such as cash and GICs.
 - New clients are added to the Overall Composite with the first full quarter of a new manager selected from an NEPC search, or after one year as an NEPC client, whichever comes first, provided that the plan is globally diversified.



Alternative Investment Disclosure

- It is important that investors understand the following characteristics of non-traditional investment strategies including hedge funds, real estate and private equity:
 - Performance can be volatile and investors could lose all or a substantial portion of their investment.
 - Leverage and other speculative practices may increase the risk of loss.
 - Past performance may be revised due to the revaluation of investments.
 - These investments can be illiquid, and investors may be subject to lock-ups or lengthy redemption terms.
 - A secondary market may not be available for all funds, and any sales that occur may take place at a discount to value.
 - These funds are not subject to the same regulatory requirements as registered investment vehicles.
 - Managers are not required to provide periodic pricing or valuation information to investors.
 - These funds may have complex tax structures and delays in distributing important tax information.
 - These funds often charge high fees.
 - Investment agreements often give the manager authority to trade in securities, markets or currencies that are not within the manager's realm of expertise or contemplated investment strategy.



Private Equity Disclosure

NEPC Client Private Equity Results

- Past performance is no guarantee of future results.
- Investment results include those clients for which NEPC has discretionary authority as well as those where NEPC acts in an advisory capacity only. The performance results of non-discretionary clients are included when NEPC provided a positive recommendation for the investment and the client decided to invest. Investments that were recommended by NEPC but not acted upon by clients are not included, nor are investments that were made by NEPC clients without a positive NEPC recommendation.
- Each Internal Rate of Return ("IRR") is net of management fees and carried interest (both paid and accrued) and is computed on an annualized, dollar-weighted basis. Aggregate returns are created by weighting client investments by the size of each client's fund commitment.
- Vintage year classifications are made based upon the year of the client's entry into the fund. Strategy classifications are made by NEPC based on a review of the stated strategy of each investment. Funds included are primarily limited partnerships, including funds-offunds, but also include co-investments or direct investments in private companies. The investments include private equity, venture capital, energy, infrastructure, debt for control and other private equity strategies, but not non-control private debt, opportunistic credit, private real estate funds or hedge funds.
- Includes all types of clients and plans for whom NEPC serves or served as a consultant and provided advice on private equity.
- In situations where NEPC's advisory relationship ended prior to the final liquidation of the partnership, the value of the investment at the end of NEPC's relationship was treated as a liquidating distribution.
- The information in this report has been obtained from sources NEPC believes to be reliable.
 While NEPC has exercised reasonable professional care in preparing this report, we cannot guarantee the accuracy of all source information contained within.
- This report may contain confidential or proprietary information and may not be copied or redistributed to any party not legally entitled to receive it.

