



Ipreo Alternative Energy Report

*Alternative Energy Industries Most Favored by Institutional Investors
Hydro Energy Edition*

Spring 2012

Brian C. Matt, CFA

Director

Ipreo

+001-212-849-5164

Brian.Matt@ipreo.com

Christopher Stroh

Associate Director

Ipreo

+001-212-849-5093

Christopher.Stroh@ipreo.com

Paul Donovan

Analyst

Ipreo

+001-212-849-3741

Paul.Donovan@ipreo.com



Ipreo Alternative Energy Report

Spring, 2012

Hydro Energy Edition

Purpose & Methodology

With this report, Ipreo seeks to identify which alternative energy companies and industries are favored by institutional investors. Ultimately this report is intended to help our clients in each industry understand trends in the alternative energy space, and identify potential buyers of their stock.

Companies were assigned to each alternative energy industry if they are a major competitor in the industry, or if the industry represents a large portion of a company's revenues. For this reason, this report includes companies that have major operations in multiple sectors or are involved in multiple areas of alternative energy.

Alternative energy companies, in general, have underperformed the market average as well as the overall energy sector. Considering the widespread call for fiscal discipline and government budget cuts, recent underperformance is not surprising especially as many companies rely on subsidies for operations. As speculation of potential sovereign defaults and a Eurozone break-up increases, investors are fleeing riskier assets in droves which is most apparent in net capital outflows across the alternative energy space.

Although issuers in the hydro energy space have underperformed the broader market with a -5% return over the period, hydro was actually the best performing alternative energy sub-sector, as alternative energy companies as a whole suffered from weak stock price performance. Hydro energy issuers were also the only sub-sector to see positive net inflows of investor capital, as investors worldwide invested an additional \$655mm in the space. Interestingly, of the top 5 companies in the hydro space to see new inflows, 3 are based in South America. Going forward, should political and economic struggles continue in North America and Europe, the emerging markets may continue to be an important driver of alternative energy growth.

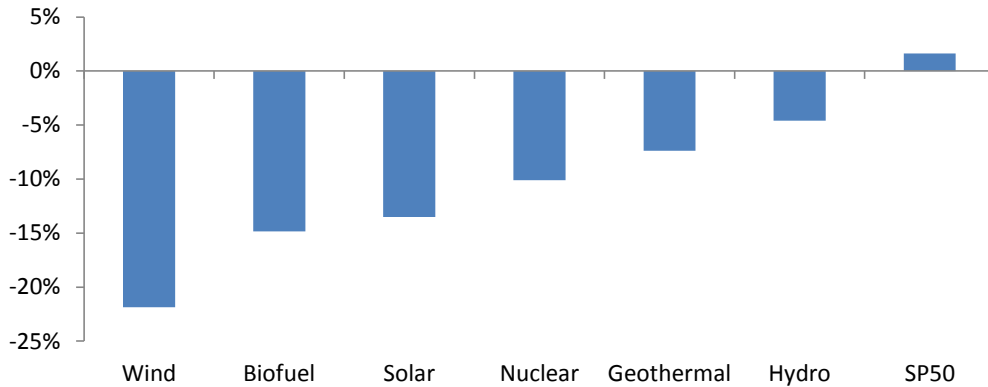
Contents

Page

YTD Performance of Alternative Energy Industries	3
Alternative Energy Capital Flows	3
Alternative Energy Holders by Investment Style	3
Alternative Energy Holders by Investor Turnover	3
Alternative Energy Holders by Type	3
Alternative Energy Industry Capital Rotation	4
Hydro Energy Capital Flow Winners and Losers	5
Top Institutional Holders in Hydro Energy Industry	6
Top Institutional Buyers in Hydro Energy Industry	6
Top Institutional Sellers in Hydro Energy Industry	6
Hydro Energy Institutional Investors' Geographic Distribution	7
Top Hydro Energy Institutional Investors Ex-North America	7
Top Fund Holders in Hydro Energy Industry	8
Top Fund Buyers in Hydro Energy Industry	8
Top Fund Sellers in Hydro Energy Industry	8
Hydro Energy Fund Investors' Geographic Distribution	9
Top Hydro Energy Fund Investors Ex-North America	9

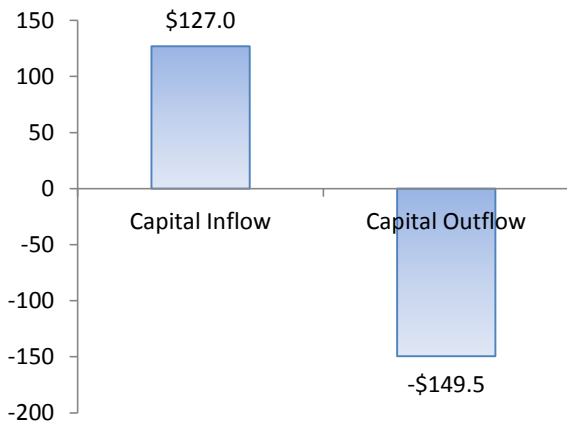
Sector Overview

YTD Price Performance (Price Weighted Avg.)

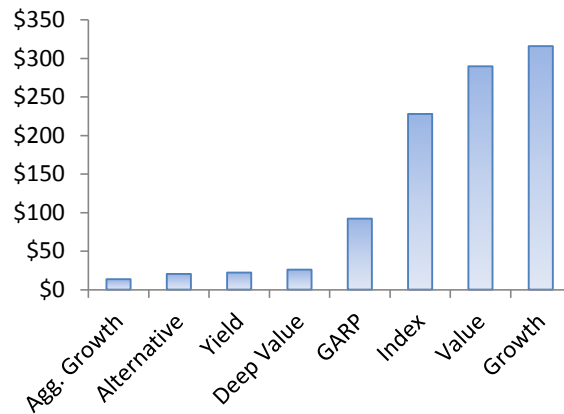


Alternative Energy Capital Flow Q1 2012

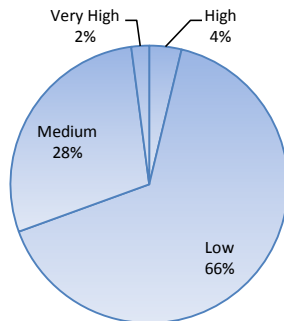
Net Value Change = \$-22.5bn



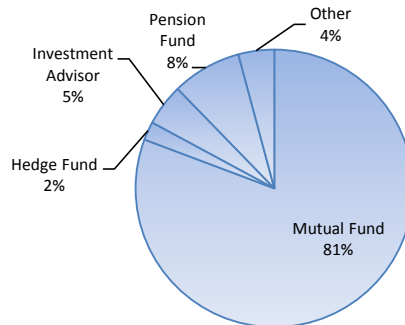
Investment Style (\$bn)



Turnover



Institution Type

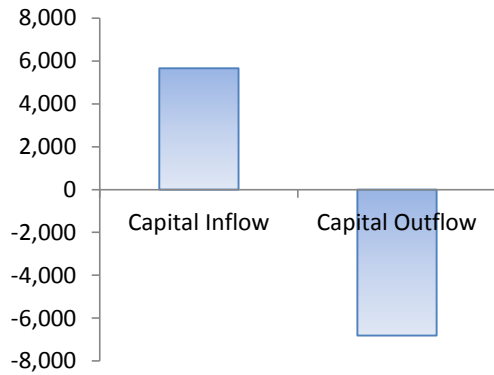


*Global Securities, based on Ipreo classification system

Net Capital Flows

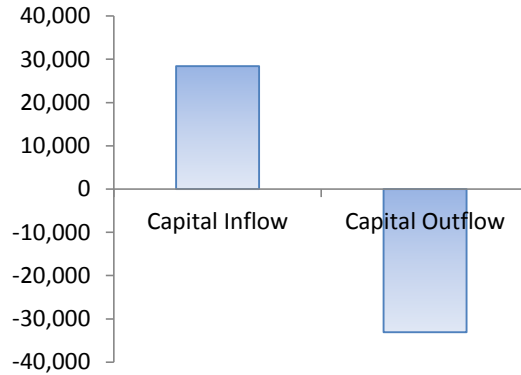
Solar

Net Value Change = \$-1.1 bn



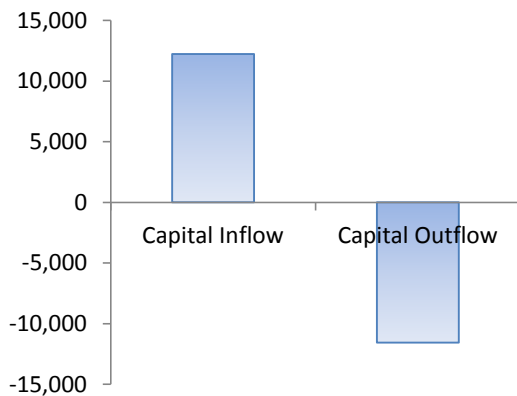
Wind

Net Value Change = \$-4.7 bn



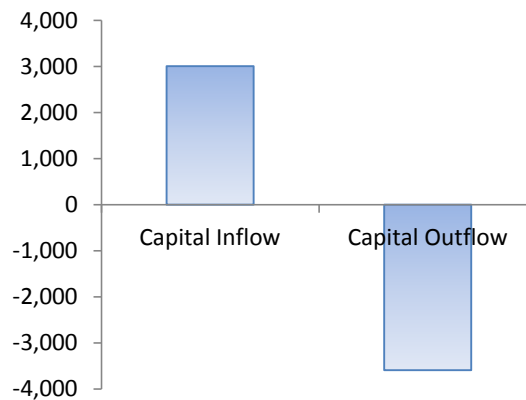
Hydro

Net Value Change = \$654.8 mm



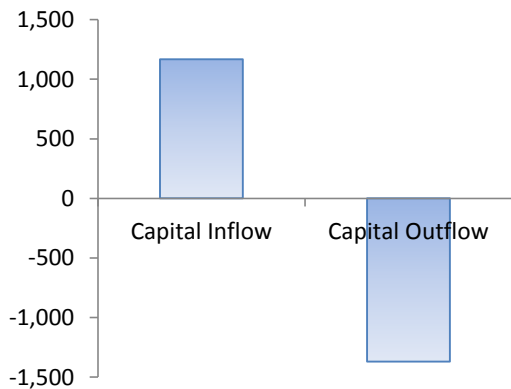
Geothermal

Net Value Change = \$-586.3 mm



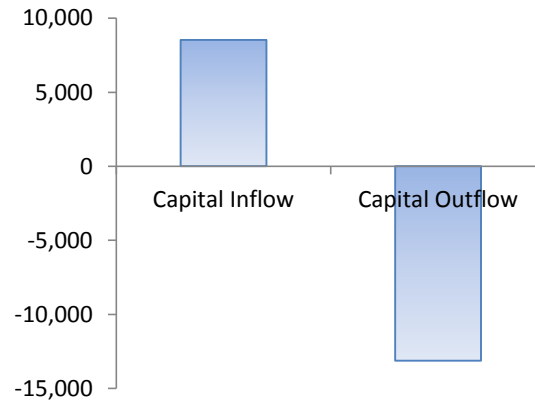
Biofuel

Net Value Change = \$-203.8 mm



Nuclear

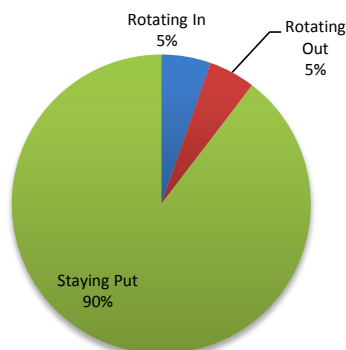
Net Value Change = \$-4.6 bn



*Global Securities, based on Ipreo classification system

Hydro - Capital Flow Winners and Losers

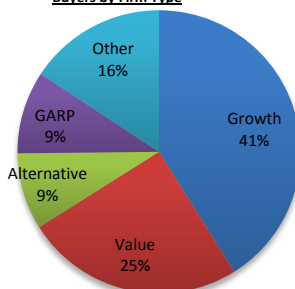
Capital Rotation



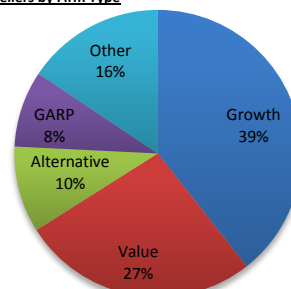
Total Capital Movement

Rotating In	9,997.1
Rotating Out	9,376.3
Staying Put	167,047.0

Buyers by Firm Type



Sellers by Firm Type



Top Rotation Winners

Rank	Company Name	Rotation In \$mm	Percent of Rotation	Institutional Ownership \$mm
* 1	PG&E Corporation	472.4	5.6%	8,442.5
2	Enel Green Power SpA	126.3	26.3%	480.5
3	Companhia Paranaense de Energia	86.0	6.5%	1,315.0
4	EDP- Energias do Brasil SA	63.2	7.8%	809.8
5	Empresa Nacional de Electricidad S.A.	52.2	5.3%	977.8

Top Rotation Losers

Rank	Company Name	Rotation Out \$mm	Percent of Rotation	Institutional Ownership \$mm
1	FirstEnergy Corporation	-340.7	-4.2%	8,143.0
2	NextEra Energy, Inc.	-152.5	-1.7%	8,873.5
3	Companhia Energetica de Minas Gerais	-128.6	-3.4%	3,729.4
4	Andritz AG	-75.7	-5.4%	1,409.5
5	Iren S.p.A.	-31.0	-29.3%	105.9

* Please note: Includes \$254.2mm capital raise on 3/15/2012

Hydro - Top Institutional Players

Top Holders

Rank	Firm Name	Total Investment	Qtr Change	% of Total		
		\$mm	\$mm	Ownership	Turnover	Style
1	BlackRock Fund Advisors	8,120.0	-96.0	4.6%	Low	Index
2	The Vanguard Group, Inc.	7,473.9	421.8	4.3%	Low	Index
3	State Street Global Advisors (SSgA)	5,960.9	-54.7	3.4%	Low	Index
4	T. Rowe Price Associates, Inc.	5,500.1	116.7	3.1%	Low	Growth
5	Fidelity Management & Research Company	4,954.0	360.4	2.8%	Medium	Growth
6	Norges Bank Investment Management (Norway)	4,281.8	-280.9	2.4%	Low	Value
7	Capital Research Global Investors (U.S.)	3,702.2	680.7	2.1%	Low	GARP
8	Pictet Asset Management S.A.	3,056.2	-149.5	1.7%	Medium	GARP
9	MFS Investment Management, Inc.	2,698.6	245.7	1.5%	Low	Value
10	Franklin Advisers, Inc.	2,642.4	167.3	1.5%	Low	GARP

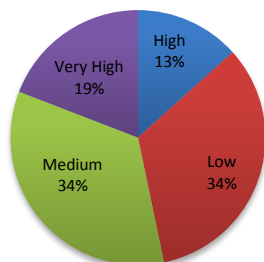
Top Buyers

Rank	Firm Name	Total Investment	Qtr Change	% of Total		
		\$mm	\$mm	Ownership	Turnover	Style
1	Capital Research Global Investors (U.S.)	3,702.2	680.7	2.1%	Low	GARP
2	The Vanguard Group, Inc.	7,473.9	421.8	4.3%	Low	Index
3	Brown Investment Advisory & Trust Company	412.4	381.1	0.2%	High	Growth
4	Fidelity Management & Research Company	4,954.0	360.4	2.8%	Medium	Growth
5	MFS Investment Management, Inc.	2,698.6	245.7	1.5%	Low	Value
6	Franklin Advisers, Inc.	2,642.4	167.3	1.5%	Low	GARP
7	Victory Capital Management, Inc.	331.4	150.9	0.2%	Medium	GARP
8	Adage Capital Management, L.P.	245.4	149.0	0.1%	High	Alternative
9	RCM Capital Management, LLC (U.S.)	211.9	143.1	0.1%	Medium	Growth
10	J.P. Morgan Investment Management, Inc.	1,050.6	129.9	0.6%	Medium	Value

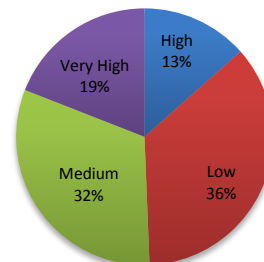
Top Sellers

Rank	Firm Name	Total Investment	Qtr Change	% of Total		
		\$mm	\$mm	Ownership	Turnover	Style
1	Wellington Management Company, LLP	2,510.3	-732.1	1.4%	Medium	Value
2	Norges Bank Investment Management (Norway)	4,281.8	-280.9	2.4%	Low	Value
3	Marsico Capital Management, LLC	290.4	-242.7	0.2%	High	Growth
4	Neuberger Berman Management, LLC	1,155.6	-202.5	0.7%	Medium	Value
5	Systematic Financial Management, L.P.	129.0	-192.2	0.1%	High	Value
6	Columbia Management Investment Advisers, LLC	698.6	-164.6	0.4%	Medium	Value
7	Pictet Asset Management S.A.	3,056.2	-149.5	1.7%	Medium	GARP
8	Swedbank Robur Fonder AB	445.9	-118.5	0.3%	Low	Growth
9	Administradora de Fondos de Pensiones Cuprum, S.A.	178.9	-117.6	0.1%	Low	Value
10	Eaton Vance Management, Inc.	419.8	-108.8	0.2%	Medium	Value

Turnover Buyers

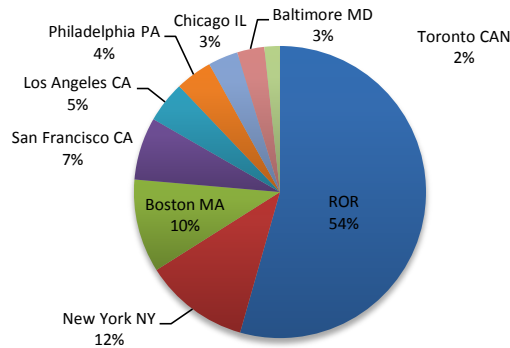


Turnover Sellers

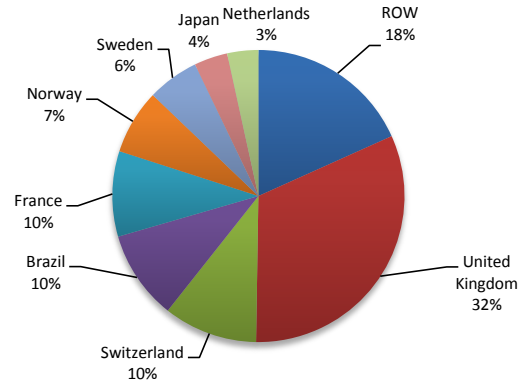


Hydro - Top Institutional Players

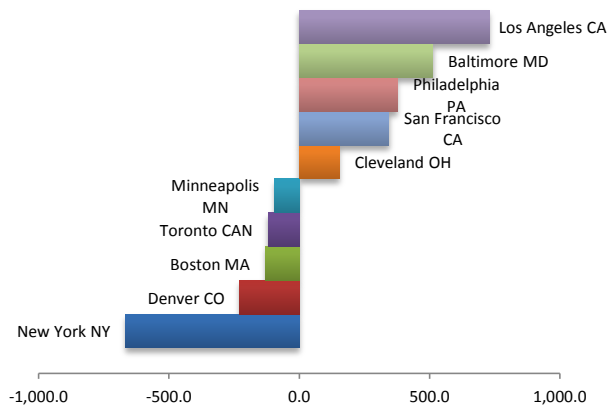
North America Distribution by Metro



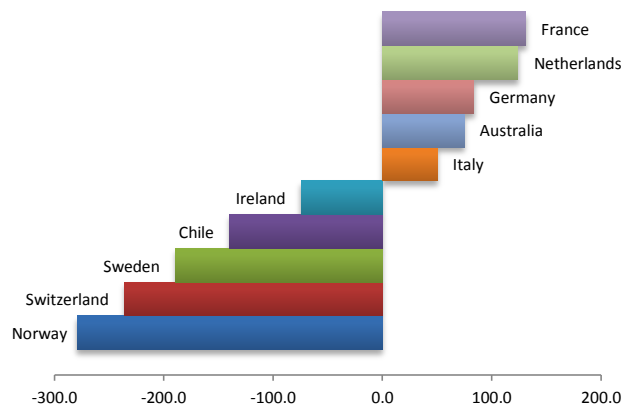
Distribution by Country Ex-North America



North America Buyers and Sellers by Metro



Buyers and Sellers by Country Ex-North America



Top Holders Ex-North America

Rank	Firm Name	Total Investment \$mm	Qtr Change \$mm	% of Total Ownership	Turnover	Style
1	Norges Bank Investment Management (Norway)	4,281.8	-280.9	2.4%	Low	Value
2	Pictet Asset Management S.A.	3,056.2	-149.5	1.7%	Medium	GARP
3	BlackRock Investment Management (U.K.), LTD	2,395.5	-42.8	1.4%	Low	Growth
4	Legal & General Investment Management, LTD	1,536.3	-1.4	0.9%	Low	Index
5	Custos Privatstiftung	1,266.8	0.0	0.7%	Unknown	Externally Managed
6	Threadneedle Asset Management, LTD	988.1	-19.3	0.6%	Medium	Growth
7	Caisse des Dépôts et Consignations (Asset Managemen	917.3	0.0	0.5%	Low	Growth
8	Brookfield Asset Management, Inc. (Asset Managemen	806.8	0.0	0.5%	Low	Value
9	UBS AG (Global Asset Management Switzerland)	791.2	-1.5	0.5%	Low	Yield
10	Amundi Asset Management	778.0	20.0	0.4%	Medium	Value

Hydro - Top Fund Players

Top Holders

Rank	Fund Name	Firm Name	Total Investment \$mm	Qtr Change \$mm	% of Total Fund Ownership	Turnover	Style
1	The Government Pension Fund - Global	Norges Bank Investment Management (Norway)	4,178.8	-96.7	4.0%	Low	Value
2	Vanguard Total Stock Market Index Fund	The Vanguard Group, Inc.	1,565.4	38.8	1.5%	Low	Index
3	Pictet - Water	Pictet Asset Management S.A.	1,549.2	-143.6	1.5%	Low	Specialty
4	Franklin Income Fund	Franklin Advisers, Inc.	1,411.6	126.0	1.3%	Low	Deep Value
5	American Funds Washington Mutual Investors Fun	Capital World Investors (U.S.)	947.7	20.3	0.9%	Medium	Yield
6	SPDR Series-Utilities Select Sector SPDR Fund	State Street Global Advisors (SSgA)	923.4	-25.7	0.9%	Medium	Specialty
7	Pictet Global Selection Fund - Global Utilities Equit	Pictet Asset Management S.A.	917.6	-71.3	0.9%	High	Specialty
8	American Funds Capital Income Builder	Capital Research Global Investors (U.S.)	908.3	17.8	0.9%	Medium	Yield
9	Vanguard 500 Index Fund	The Vanguard Group, Inc.	843.4	0.6	0.8%	Low	Index
10	Fidelity Contrafund	Fidelity Management & Research Company	829.6	0.0	0.8%	Medium	Growth

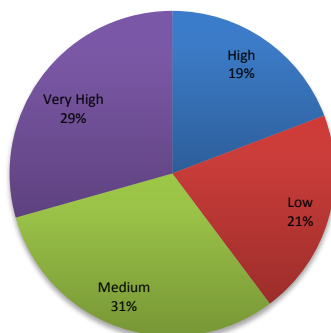
Top Buyers

Rank	Fund Name	Firm Name	Total Investment \$mm	Qtr Change \$mm	% of Total Fund Ownership	Turnover	Style
1	Franklin Income Fund	Franklin Advisers, Inc.	1,411.6	126.0	1.3%	Low	Deep Value
2	Cambrian Master Fund Ltd.	Atlantic Investment Management, Inc.	113.2	113.2	0.1%	Medium	Value
3	Caisse de Dépôt et Placement du Québec	Caisse de dépôt et placement du Québec	280.8	109.3	0.3%	Low	Deep Value
4	Vanguard Emerging Markets Stock Index Fund	The Vanguard Group, Inc.	674.2	75.0	0.6%	Low	Index
5	CREF Global Equities Account	TIAA-CREF Investment Management	147.1	67.3	0.1%	Medium	Value
6	Washington State Investment Board	Washington State Investment Board	152.3	65.7	0.1%	Medium	Yield
7	JPMorgan Mid Cap Value Fund	J.P. Morgan Investment Management, Inc.	56.6	56.6	0.1%	Low	Deep Value
8	T. Rowe Price Value Fund	T. Rowe Price Associates, Inc.	134.6	53.7	0.1%	Medium	Value
9	Vanguard Institutional Index Fund	The Vanguard Group, Inc.	818.9	48.1	0.8%	Low	Index
10	Andra AP Fonden	AP 2/Andra AP-Fonden	160.3	47.3	0.2%	Low	Value

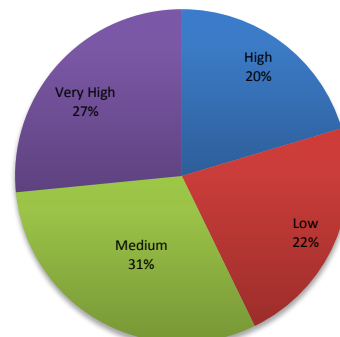
Top Sellers

Rank	Fund Name	Firm Name	Total Investment \$mm	Qtr Change \$mm	% of Total Fund Ownership	Turnover	Style
1	Pictet - Water	Pictet Asset Management S.A.	1,549.2	-143.6	1.5%	Low	Specialty
2	Alecta Pension	Alecta Pensionsförsäkring AB (Asset Management)	619.4	-132.1	0.6%	Low	Value
3	New Jersey Division of Investment	New Jersey Division of Investment	198.3	-118.0	0.2%	Medium	Value
4	Vanguard Wellesley Income Fund	Wellington Management Company, LLP	146.2	-109.6	0.1%	Low	Deep Value
5	T. Rowe Price Capital Appreciation Fund	T. Rowe Price Associates, Inc.	287.5	-105.7	0.3%	High	Value
6	The Government Pension Fund - Global	Norges Bank Investment Management (Norway)	4,178.8	-96.7	4.0%	Low	Value
7	Fonds de Réserve pour les Retraites	AXA Investment Managers (Paris)	176.9	-95.5	0.2%	Low	Value
8	Neptune Investment Funds-European Opportunitie	Neptune Investment Management, LTD	0.0	-93.2	0.0%	Very High	Growth
9	Merger Fund	Westchester Capital Management, Inc.	0.0	-92.3	0.0%	Very High	Growth
10	Eaton Vance Large Cap Value Fund	Eaton Vance Management, Inc.	62.5	-83.4	0.1%	Medium	Deep Value

Turnover Buyers

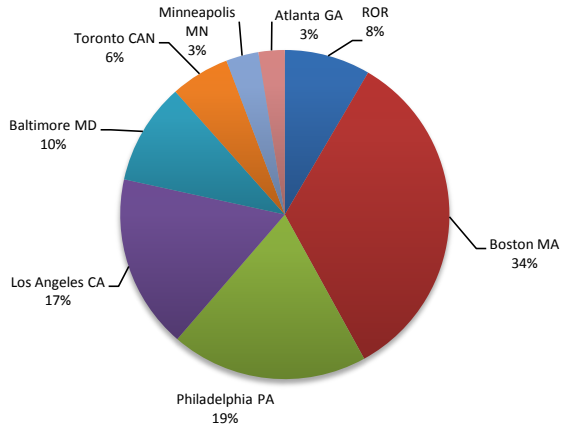


Turnover Sellers

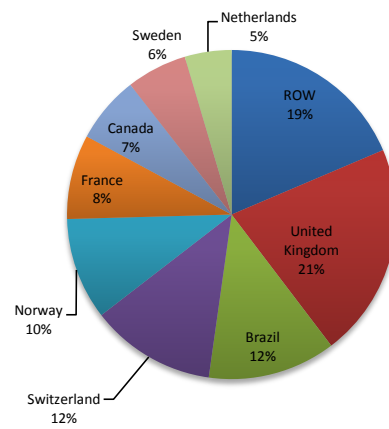


Hydro - Top Fund Players

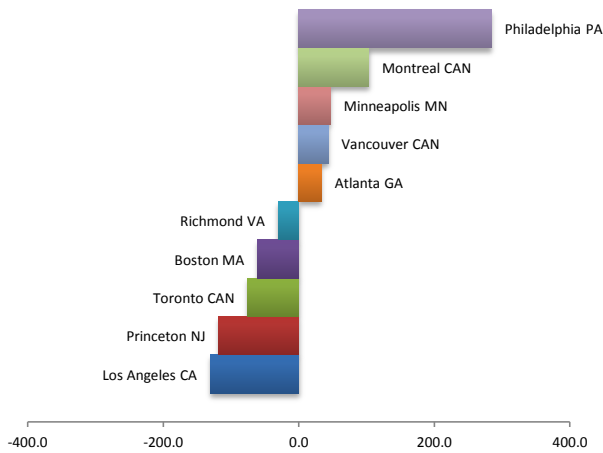
North America Distribution by Metro



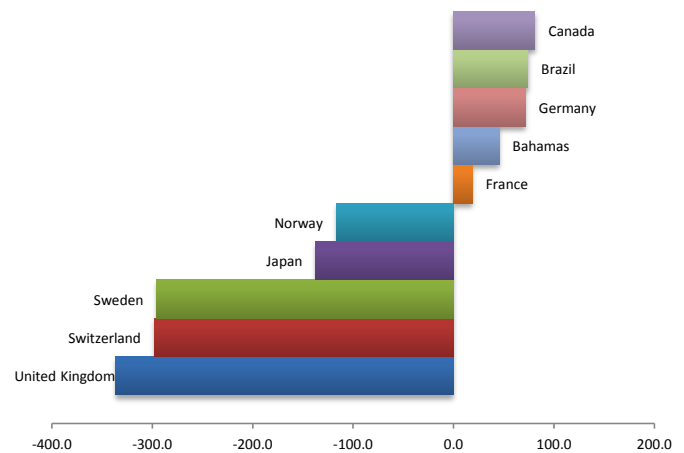
Distribution by Country Ex-North America



North America Buyers and Sellers by Metro



Buyers and Sellers by Country Ex-North America



Top Holders Ex-North America

Rank	Fund Name	Firm Name	Total Investment \$mm	Qtr Change \$mm	% of Total Ownership Fund	Turnover	Style
1	The Government Pension Fund - Global	Norges Bank Investment Management (Norway)	4,178.8	-96.7	4.0%	Low	Value
2	Pictet - Water	Pictet Asset Management S.A.	1,549.2	-143.6	1.5%	Low	Specialty
3	Pictet Global Selection Fund - Global Utilities Equit	Pictet Asset Management S.A.	917.6	-71.3	0.9%	High	Specialty
4	Stichting Pensioenfonds ABP (Global Equity Portfol	APG Algemene Pensioen Groep N.V.	738.0	-36.0	0.7%	Medium	Yield
5	Stichting Pensioenfonds Zorg en Welzijn (Global Eq	PGGM Vermogensbeheer B.V.	626.4	-62.3	0.6%	Low	GARP
6	Alecta Pension	Alecta Pensionsförsäkring AB (Asset Management)	619.4	-132.1	0.6%	Low	Value
7	Julius Baer Multipartner SICAV - SAM Sustainable V	SAM Sustainable Asset Management AG	434.6	5.4	0.4%	High	Growth
8	Varma Sampo Pension Fund	Varma Mutual Pension Insurance Company	387.1	16.2	0.4%	Low	Yield
9	BlackRock Global Funds - New Energy Fund	BlackRock Investment Management (U.K.), LTD	355.8	0.0	0.3%	Medium	Specialty
10	Vanguard International Growth Fund	Schroder Investment Management, LTD	343.0	0.0	0.3%	Medium	Growth