

INTERIM REPORT

San Jose Federated City Employees' Retirement System

Private Markets Program
June 30, 2018

P U B L I C



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Total Private Markets

As of June 30, 2018

	Committed Capital (\$ mm)	Market Value ¹ (\$ mm)	Total Contributions (\$ mm)	Total Distributions (\$ mm)	Total Value Multiple (x)	Net IRR (%)
Total Private Markets¹	844.6	322.2	586.4	455.8	1.4	7.4
Legacy Private Equity ^{1,2}	174.3	52.8	148.1	166.0	1.5	7.6
NB Fund of One ¹	225.5	21.5	20.8	0.0	1.1	NM
Private Debt	195.0	77.4	196.4	148.7	1.2	4.9
Real Estate	224.8	156.6	206.5	140.3	1.4	6.2
Real Assets	25.0	13.9	14.6	0.8	1.0	NM

¹ Private Equity and Fund of One underlying data was provided by Neuberger Berman and does not include commitment amounts at this time.

² Does not include NB Fund-of-One performance.

Private Debt Program

As of June 30, 2018, the San Jose Federated City Employees' Retirement System had committed \$195.0 million to six opportunistic debt partnerships. The reported fair value of the aggregate Private Debt Program was \$77.4 million at June 30, 2018.

Aggregate Private Debt Program ¹	
Number of Partnerships	6
Committed Capital	\$195.0 million
Capital Called²	\$196.4 million
Distributions	\$148.7 million
Reported Value	\$77.4 million
Total Value Multiple	1.2x
Net IRR	4.9%

¹ Throughout this report, numbers may not sum due to rounding.

² In certain instances, total contributions may exceed the commitment, as a Partnership may reserve the right to recycle capital and/or recall distributions depending upon the terms of its Limited Partnership Agreement.

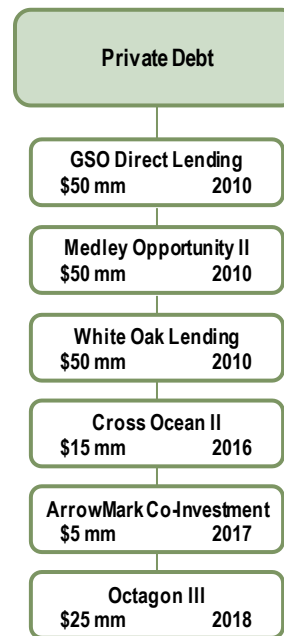
During the second quarter of 2018, no capital was called from the Retirement System.

The Retirement System received an aggregate of \$0.2 million in distributions during the second quarter of 2018 from its underlying partnerships.

- Cross Ocean USD ESS Fund II has distributed a total of \$0.1 million during the second quarter of 2018.
- White Oak Direct Lending distributed a total of \$0.1 million during the quarter.

The Retirement System made no new commitments during the second quarter of 2018.

As of November 30, 2018



- White box: Current investment.

San Jose Federated City Employees' Retirement System Private Debt Program

Aggregate Program Performance Summary

Investment Strategy	Capital Committed (\$ mm)	Total Contributions Paid to Date ^{1,2} (\$ mm)	Unfunded Commitment ³ (\$ mm)	Total Distributions Received to Date ⁴ (\$ mm)	Reported Fair Value (\$ mm)	Reported Fair Value Plus Distributions (\$ mm)	Net IRR ⁵ (%)	Inv. Multiple ⁶ (x)	Benchmark Net IRR (%) ⁷	Benchmark Net Multiple (%)
Total Program⁸	195.0	196.4	82.6	148.7	77.4	226.0	4.9	1.2	NA	NA
Vintage Year 2010	150.0	182.4	51.5	148.2	62.2	210.3	4.7	1.2	9.9	1.4
GSO SJ Partners Private Debt	50.0	42.5	29.8	40.3	12.8	53.2	7.8	1.3	9.9	1.4
Medley Opportunity Fund II, L.P. Private Debt	50.0	51.7	1.7	33.7	29.6	63.3	4.6	1.2	9.9	1.4
White Oak Direct Lending Private Debt	50.0	88.2	20.0	74.2	19.7	93.8	2.8	1.1	9.9	1.4
Vintage Year 2016	15.0	9.0	6.2	0.5	10.1	10.6	NM	1.2	NM	1.1
Cross Ocean USD ESS Fund II, L.P. Private Debt	15.0	9.0	6.2	0.5	10.1	10.6	NM	1.2	NM	1.1
Vintage Year 2017	5.0	5.0	0.0	0.0	5.1	5.1	NM	1.0	NM	1.3
ArrowMark Partners Separate Account Other	5.0	5.0	0.0	0.0	5.1	5.1	NM	1.0	NM	1.3
Vintage Year 2018	25.0	0.0	25.0	NA	NA	NA	NA	NA	NA	NA
Octagon CLO Opportunity Fund III, L.P. Private Debt	25.0	0.0	25.0	NA	NA	NA	NA	NA	NA	NA

¹ In certain instances, Total Contributions Paid to Date may exceed Capital Committed as certain partnerships may call fees outside of commitment and most partnerships reserve a limited right to recycle capital and/or recall distributions.

² Total Contributions include management fees paid outside of capital commitment.

³ Unfunded Commitment amounts are an approximation due to the inclusion of recallable distributions.

⁴ Distributions may include capital that was recycled back into the Partnership.

⁵ The Net IRR calculation was performed by Meketa Investment Group. Total Program, Partnership, and Vintage Year IRRs are net of fees, expenses, and carried interest for each partnership.

⁶ The Inv. Multiple calculation was performed by Meketa Investment Group. Total Program, Partnership, and Vintage Year Inv. Multiples are net of partnership fees.

⁷ Benchmark drawn from Cambridge Associates | Credit Opportunities, Average.

⁸ "NM" indicates that a fund is early in its investment period; therefore, the return is not yet meaningful. A not meaningful return is generated by funds with less than 24 months of activity.



The IRR (internal rate of return) and investment multiple are the most meaningful measures of performance for a private equity fund. IRR measures how assets are performing in relation to time. Investment multiple shows the cash on cash return generated on the invested capital by the underlying assets.

The total program net IRR decreased by 40 basis points during the second quarter, from 5.3% to 4.9%. The fair market value of the total program decreased by -\$2.4 million, or -3.0%, after adjusting for capital calls and distributions during the quarter. The net portfolio valuation was driven by decreases in the valuations of White Oak Direct Lending (-\$2.9 million or -12.7%), Medley Opportunity Fund II (-\$0.4 million or -1.2%), and ArrowMark Partners Separate Account (>-\$0.1 million or -0.5%) but was partially offset by increases in the valuations of GSO SJ Partners (\$0.8 million or 6.5%) and Cross Ocean USD ESS Fund II (\$0.1 million or 1.3%).

Private Real Estate Program

As of June 30, 2018, the Retirement System had committed a total of \$172.4 million to ten closed-end real estate funds. The Total Closed-End Program's reported fair value of real estate investments was \$44.2 million at June 30, 2018.

Aggregate Real Estate Program ¹	
Number of Partnerships	10
Committed Capital	\$172.4 million
Capital Called	\$126.5 million
Distributions	\$118.8 million
Reported Value	\$44.2 million
Total Value Multiple	1.3x
Net IRR	5.8%

¹ Throughout this report, numbers may not sum due to rounding.

In aggregate, \$2.0 million was called from the Retirement System during the second quarter of 2018 by the underlying partnerships.

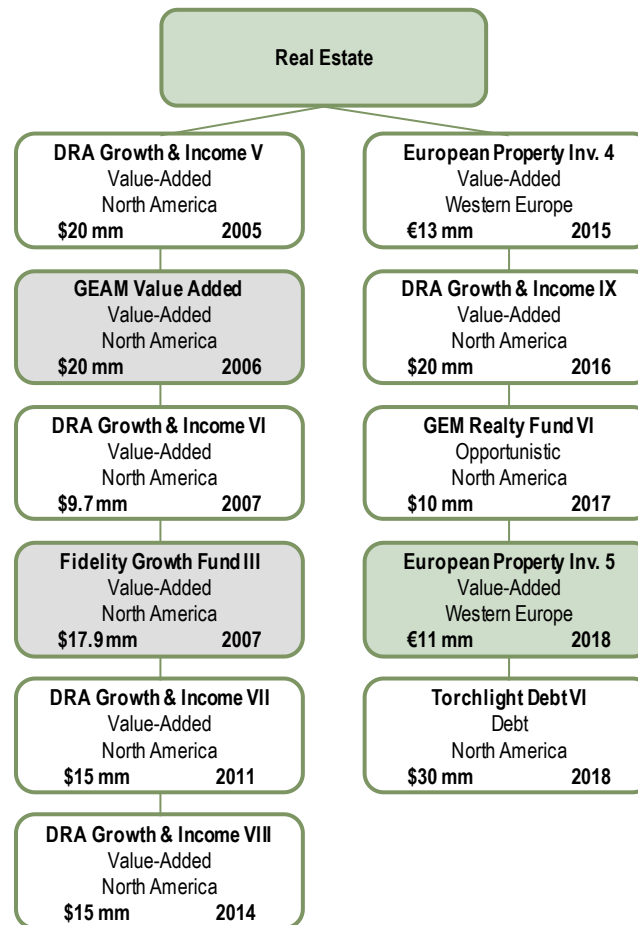
- European Property Investors Special Opportunities 4 called \$0.8 million during the quarter to fund a variety of underlying investments.
- DRA Growth and Income Fund IX called \$0.6 million to fund the acquisitions of four underlying investments.
- DRA Growth and Income Fund VII called \$0.4 million to pay down the Fund's credit facility.

The Retirement System received an aggregate of \$0.8 million in distributions during the second quarter of 2018 from its underlying partnerships.

- DRA Growth and Income Fund VIII distributed \$0.4 million during the second quarter.
- DRA Growth and Income Fund VII distributed a total of \$0.1 million during the quarter.
- DRA Growth and Income Fund IX distributed \$0.1 million during the second quarter.

During the second quarter of 2018, the Retirement System made one new commitment of \$30.0 million to Torchlight Debt Opportunity Fund VI, a commercial Real Estate debt fund with a diversified strategy.

As of November 30, 2018



- White box: Current investment.
- Green box: Investment made subsequent to quarter end and, as such, is not included in any other section of this report.
- Gray box: Liquidated investment.

Aggregate Program Performance Summary

Investment Strategy	Capital Committed (\$ mm)	Total Contributions Paid to Date ¹ (\$ mm)	Unfunded Commitment ² (\$ mm)	Total Distributions Received to Date (\$ mm)	Reported Fair Value (\$ mm)	Reported Fair Value Plus Distributions (\$ mm)	Net IRR ³ (%)	Inv. Multiple ⁴ (x)	Benchmark Net IRR (%) ⁵	Benchmark Net Multiple (x) ⁵
Total Closed-end	172.4	126.5	62.0	118.8	44.2	163.0	5.8	1.3	NA	NA
Vintage Year 2005	20.0	30.5	0.0	40.3	<0.1	40.3	5.3	1.3	-1.0	1.0
DRA Growth and Income Fund V Real Estate	20.0	30.5	0.0	40.3	<0.1	40.3	5.3	1.3	-1.0	1.0
Vintage Year 2006	20.0	18.2	1.8	8.8	0.0	8.8	-10.9	0.5	-1.3	1.0
GEAM Value Add Realty Partners, L.P. Real Estate	20.0	18.2	1.8	8.8	0.0	8.8	-10.9	0.5	-1.3	1.0
Vintage Year 2007	27.6	28.4	0.0	40.1	1.2	41.2	8.9	1.5	1.6	1.1
DRA Growth and Income Fund VI ⁶ Real Estate	9.7	10.6	0.0	16.4	1.2	17.5	10.8	1.7	1.6	1.1
Fidelity Real Estate Growth Fund III, L.P. ⁷ Real Estate	17.9	17.9	0.0	23.7	0.0	23.7	7.3	1.3	1.6	1.1
Vintage Year 2011	15.0	16.1	0.0	19.5	12.3	31.9	20.6	2.0	13.4	1.5
DRA Growth and Income Fund VII, LLC Real Estate	15.0	16.1	0.0	19.5	12.3	31.9	20.6	2.0	13.4	1.5
Vintage Year 2014	15.0	17.1	0.9	8.1	13.0	21.1	11.6	1.2	10.9	1.3
DRA Growth and Income Fund VIII, LLC Real Estate	15.0	17.1	0.9	8.1	13.0	21.1	11.6	1.2	10.9	1.3
Vintage Year 2015	14.9	7.6	7.3	0.6	7.2	7.9	3.0	1.0	10.2	1.2
European Property Investors Special Opportunities 4, L.P. ⁸ Real Estate	14.9	7.6	7.3	0.6	7.2	7.9	3.0	1.0	10.2	1.2
Vintage Year 2016	20.0	7.8	12.7	1.4	7.5	9.0	NM	1.1	NM	1.1
DRA Growth and Income Fund IX, LLC Real Estate	20.0	7.8	12.7	1.4	7.5	9.0	NM	1.1	NM	1.1
Vintage Year 2017	10.0	0.8	9.3	0.0	0.8	0.8	NM	1.1	NM	1.0

¹ In certain instances, Total Contributions Paid to Date may exceed Capital Committed as certain partnerships may call fees outside of commitment and most partnerships reserve a limited right to recycle capital and/or recall distributions.

² Unfunded Commitment amounts are an approximation due to the inclusion of recallable distributions.

³ The Net IRR calculation was performed by Meketa Investment Group. Total Program, Partnership, and Vintage Year IRRs are net of fees, expenses, and carried interest for each partnership.

⁴ The Inv. Multiple calculation was performed by Meketa Investment Group. Total Program, Partnership, and Vintage Year Inv. Multiples are net of partnership fees.

⁵ Real Estate benchmarks (excluding Blackstone Real Estate Debt Strategies II) drawn from Thomson One | Real Estate, Average.

⁶ Capital Committed to DRA Growth & Income Fund VI was originally \$15.0 million, and has been reduced to \$9.7 million due to \$5.3 million in released commitments.

⁷ Capital Committed to Fidelity Real Estate Growth Fund III was originally \$20.0 million, and has been reduced to \$17.9 million due to \$2.1 million in released commitments.

⁸ The Retirement System committed €13.0 million to the Partnership in 2015. The \$14.9 million commitment amount is an estimated amount based on contributed capital and unfunded commitments as of 6/30/18.



Aggregate Program Performance Summary

			Total		Total		Reported			Benchmark	Benchmark
	Investment	Capital	Contributions	Unfunded	Distributions	Reported	Fair Value	Plus	Net	Inv.	Net
	Strategy	Committed	Paid to Date ¹	Commitment ²	to Date	Fair Value	Distributions		IRR ³	Multiple ⁴	IRR
		(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(\$ mm)	(%)	(x)	(%) ⁵
	GEM Realty Fund VI, L.P.	Real Estate	10.0	0.8	9.3	0.0	0.8	0.8	NM	1.1	NM
	Vintage Year 2018		30.0	0.0	30.0	NA	2.1	2.1	NM	NA	NM
	Torchlight Debt Opportunity Fund VI, L.P. ⁹	Real Estate	30.0	0.0	30.0	NA	2.1	2.1	NM	NA	NA

⁹ Torchlight Debt Opportunity Fund VI has funded existing investments through a credit borrowing facility, but has not yet called capital from Limited Partners.

The IRR (internal rate of return) and investment multiple are the most meaningful measures of performance for private closed-end real estate funds. The IRR measures how assets are performing in relation to time. The investment multiple shows the cash on cash return generated on the invested capital by the underlying assets.

The Total Closed-End Program¹ net IRR increased by 20 basis points during the second quarter, from 5.6% to 5.8%. The Total Closed-End performance was driven primarily by the increased valuations of Torchlight Debt Opportunity Fund VI (\$2.1 million²), DRA Growth and Income Fund VII (\$1.1 million or 10.1%), and GEM Realty Fund VI (\$0.2 million or 54.6%). During the second quarter, the reported fair value of the Total Closed-End Program increased by \$2.7 million, or 6.4%, after adjusting for capital calls and distributions during the quarter.

¹ Total Closed-End Program includes all closed-end funds in the real assets program.

² Net Change in Value % is not meaningful due to a beginning balance of 0 and no capital calls during the quarter. Increase in value is likely due to investments funded by a credit borrowing facility.

Private Real Assets Program

As of June 30, 2018, the System had committed \$25.0 million to one real assets funds. The total reported fair value of real assets investments was \$13.9 million at June 30, 2018.

Aggregate Real Assets Program¹

Number of Partnerships	1
Committed Capital	\$25.0 million
Capital Called	\$14.6 million
Distributions	\$0.8 million
Reported Value	\$13.9 million
Total Value Multiple	1.0x
Net IRR	NM

¹ Throughout this report, numbers may not sum due to rounding.

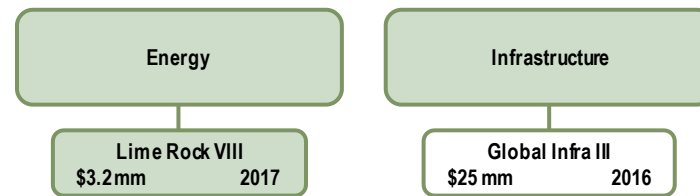
In aggregate, \$3.9 million was called from the Retirement System during the second quarter of 2018 by the underlying partnership.

- Global Infrastructure Partners III called \$3.9 million primarily to fund management fees and two underlying investments.

The Retirement System did not receive any distributions during the second quarter of 2018.

The Retirement System did not make any new commitments during the second quarter of 2018.

As of November 30, 2018



- White box: Current investment.
- Green box: Investment made subsequent to quarter end and, as such, is not included in any other section of this report.

Aggregate Program Performance Summary

Investment Strategy	Capital Committed (\$ mm)	Total Contributions Paid to Date ¹ (\$ mm)	Unfunded Commitment ² (\$ mm)	Total Distributions Received to Date (\$ mm)	Reported Fair Value (\$ mm)	Reported Fair Value Plus Distributions (\$ mm)	Net IRR ³ (%)	Inv. Multiple ⁴ (x)	Benchmark Net IRR (%) ⁵	Benchmark Net Multiple (x) ⁵
Total Program	25.0	14.6	10.6	0.8	13.9	14.7	NM	1.0	NM	1.1
Vintage Year 2016	25.0	14.6	10.6	0.8	13.9	14.7	NM	1.0	NM	1.1
Global Infrastructure Partners III, L.P. Infrastructure	25.0	14.6	10.6	0.8	13.9	14.7	NM	1.0	NM	1.1

¹ In certain instances, Total Contributions Paid to Date may exceed Capital Committed as certain partnerships may call fees outside of commitment and most partnerships reserve a limited right to recycle capital and/or recall distributions.

² Unfunded Commitment amounts are an approximation due to the inclusion of recallable distributions.

³ The Net IRR calculation was performed by Meketa Investment Group. Total Program, Partnership, and Vintage Year IRRs are net of fees, expenses, and carried interest for each partnership.

⁴ The Inv. Multiple calculation was performed by Meketa Investment Group. Total Program, Partnership, and Vintage Year Inv. Multiples are net of partnership fees.

⁵ Benchmark is drawn from Cambridge Associates | Infrastructure, Average.

The IRR (internal rate of return) and investment multiple are the most meaningful measures of performance for a private real assets fund. IRR measures how assets are performing in relation to time. Investment multiple shows the cash on cash return generated on the invested capital by the underlying assets.

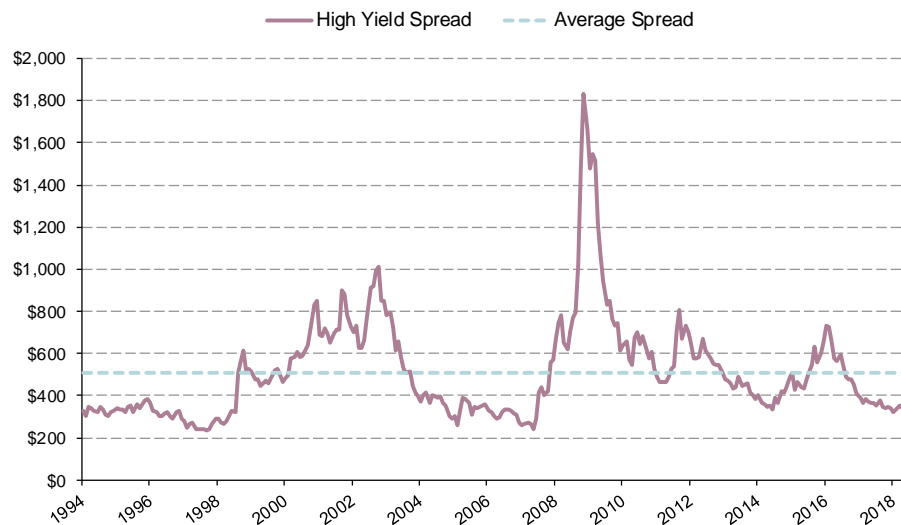
The Real Assets Program is at an early stage in its development and as such, the net IRR of the Program has been listed as “Not Meaningful” across this report. The reported fair value of the Program increased by \$1.0 million, or 8.9%, after adjusting for capital calls and distributions during the second quarter of 2018. The improved performance was driven by the valuation increase of Global Infrastructure Partners III (\$1.0 million or 8.9%).

Appendices

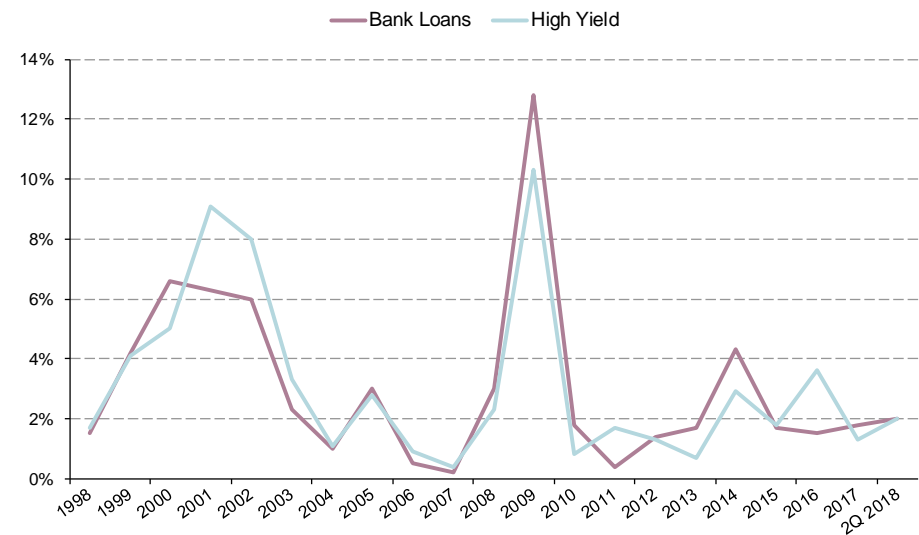
Private Debt

Credit markets continued their positive performance in the second quarter led by the most credit-sensitive, lowest rated debt. Over the quarter, shorter-term interest rates continued to increase and the yield curve continued to flatten. High yield spreads finished June at 363 basis points, significantly below the historical average and approaching their post-financial crisis lows. Default rates in high yield bond and loans ticked up slightly and both finished the quarter at 2.0%. Shorter-term expectations for defaults continue to be muted.

U.S. Corporate High Yield Spread¹



U.S. Corporate Default Rate²



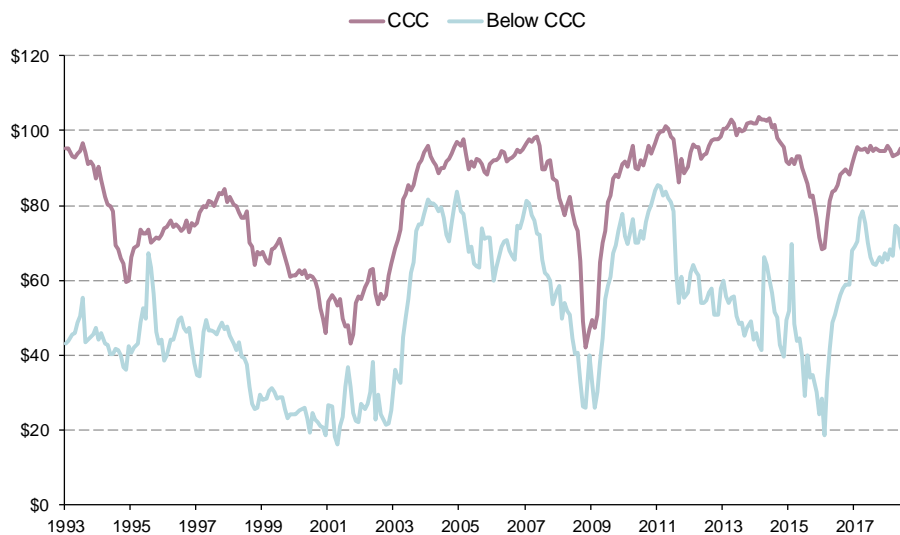
¹ Source: Barclays Capital

² Source: JP Morgan

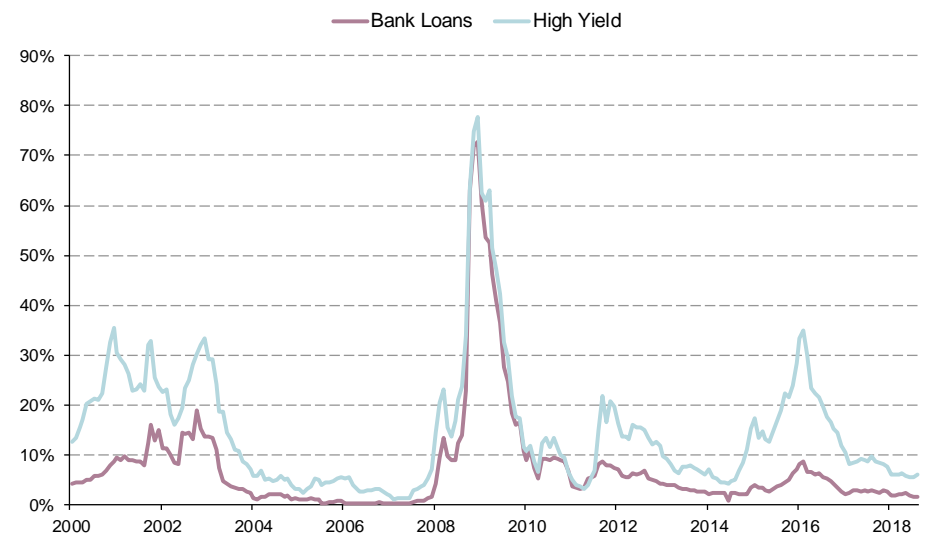
Distressed & Opportunistic Debt

The lowest rated bonds and loans in the market continued to trade higher and CCC-rated bonds finished the second quarter at an average price of \$95. The industries with the highest default rates over the past twelve months have been broadcasting (led by iHeart), energy and retail. Distressed debt investment opportunities remain muted as only \$23.4 billion of the high yield index trades below \$70 and \$22.6 billion of the bank loan index trades below \$80. The distressed ratios in both bonds and loans continued to fall.

Lower Rated Debt Pricing¹



Distressed Ratio²



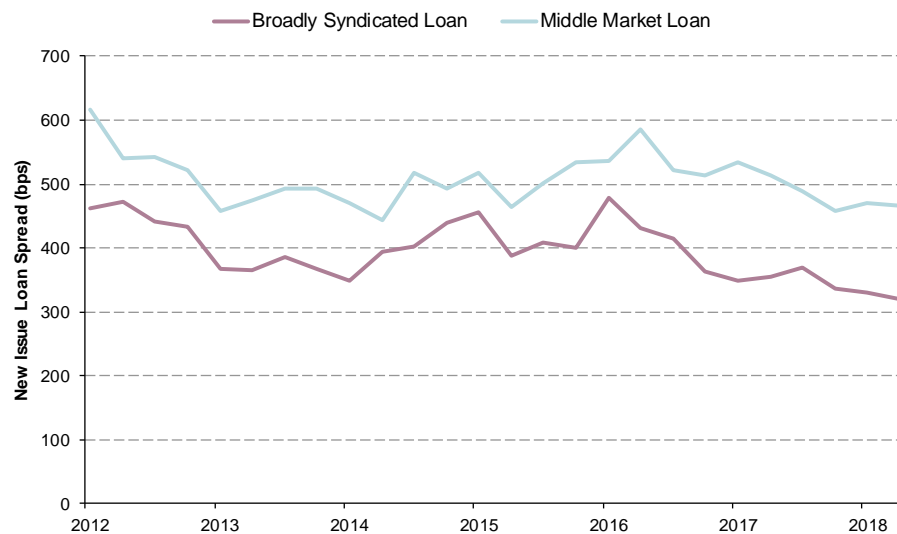
¹ Source: Barclays Capital

² Source: Bank Loans trading below \$80, Credit Suisse; High Yield trading at spread of more than 1,000bps, Deutsche Bank.

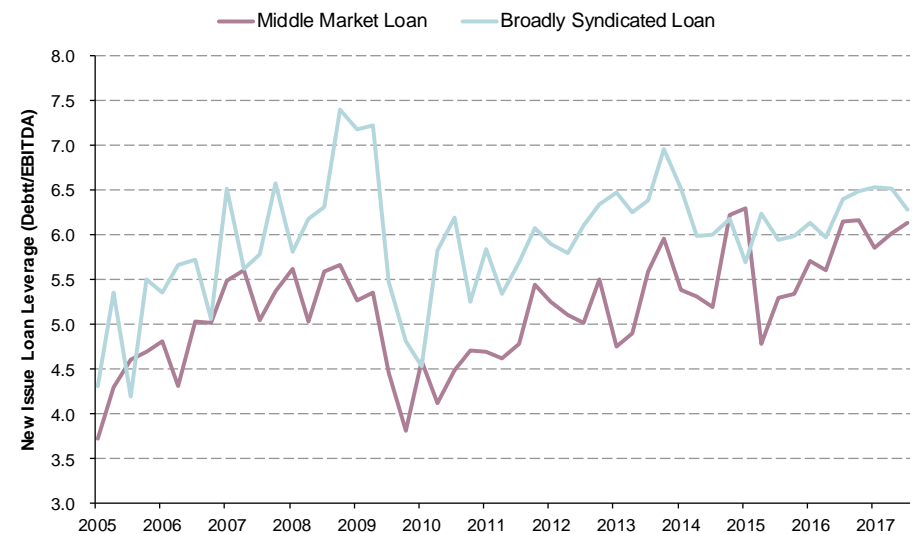
Private Senior & Subordinated Debt

Pricing for middle market senior debt remained consistent while larger cap loan pricing slightly compressed. Mezzanine and subordinated debt volumes continued to remain muted as the financing for most LBOs today relies on a unitranche debt structure led by one or a small group of lenders. Private equity sponsors prefer this model as it usually allows them to close transactions quicker and have a consistent group of lenders. Even second lien new issuance slowed during the second quarter as a result of this dynamic.

Senior Loan Pricing¹

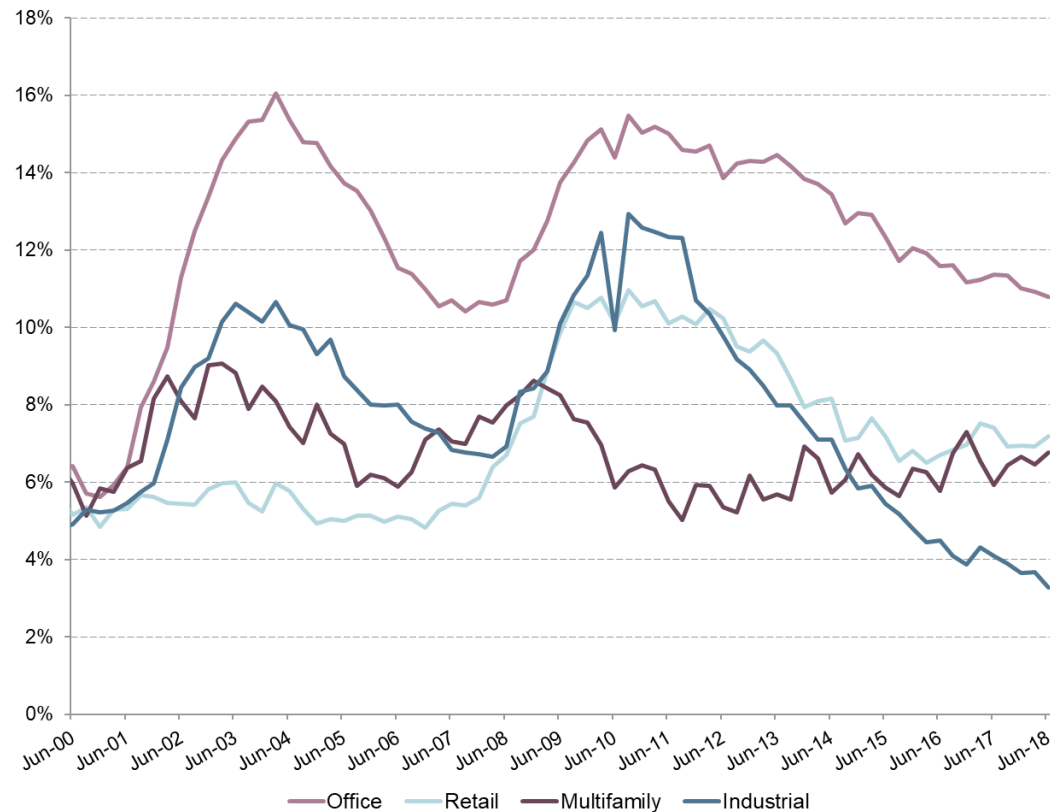


New Deal Leverage Multiples



¹ Source: Thomson Reuters LPC

Real Estate Fundamentals Vacancy by Property Type¹



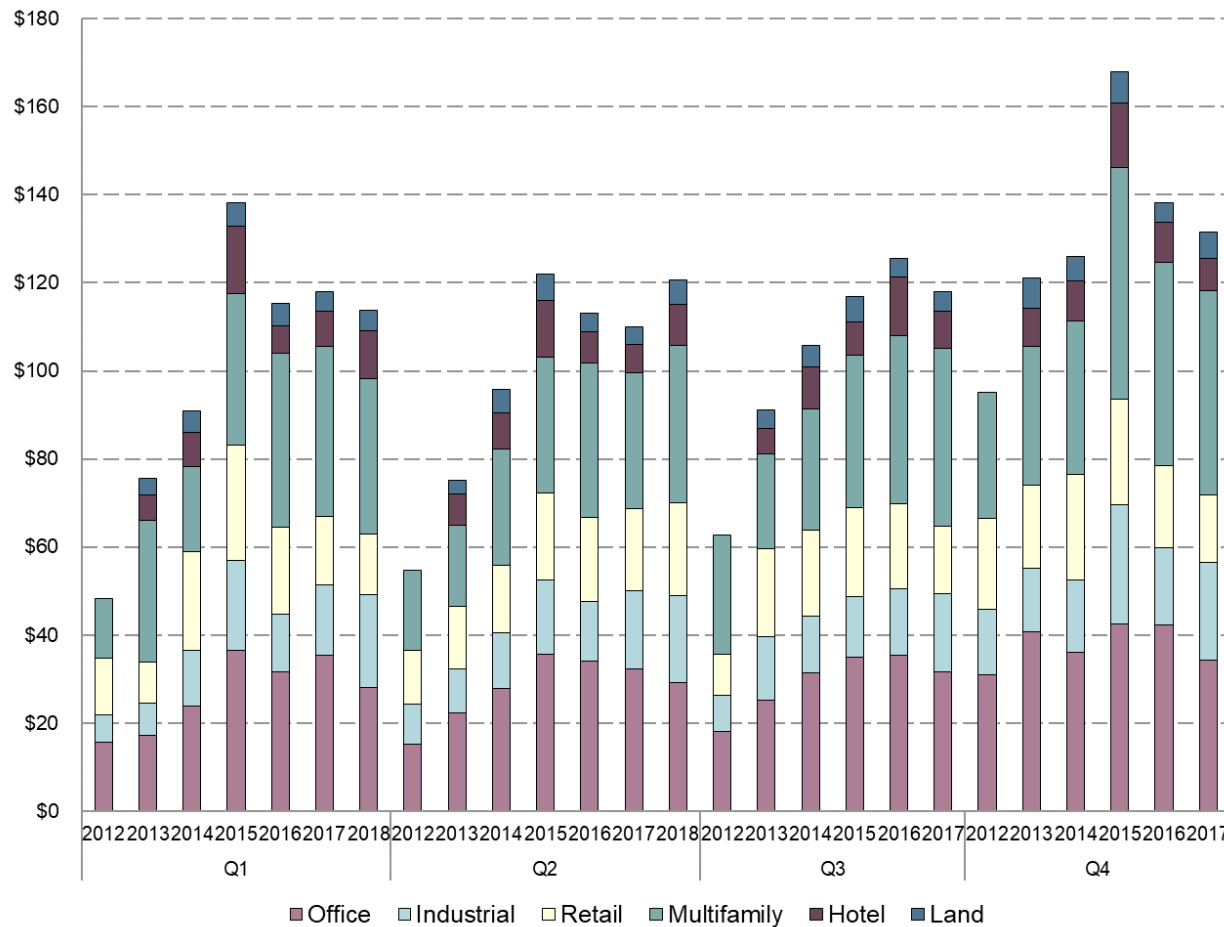
In the second quarter of 2018, vacancy rates across office and industrial properties continued to decrease, while vacancy rates in multifamily and retail increased slightly. Compared to the same period one year ago, vacancy rates in multifamily properties increased by 85 basis points, office decreased by 57 basis points, industrial decreased by 85 basis points, and retail decreased by 22 basis points. Overall, total vacancy rates across all property types decreased 53 basis points from Q2 2017. Industrial properties continue to exhibit the lowest vacancy rate at nearly 4%, while office properties have the highest vacancy rate of the major property types at almost 11%.

¹ Source: NCREIF



The trailing twelve month rate of NOI growth partially rebounded from a slight recent drop, trending back up towards 5% in the second quarter of 2018. This is largely due to the continued growth of the U.S. economy coupled with only moderate new construction, allowing property owners to increase rents and lease vacant space. The strongest NOI growth during the quarter was for industrial properties, which grew at 8.3% year-over-year ending Q2 2018. Previously, office properties were experiencing the highest NOI growth as of the end of 2017. Retail property NOI growth recovered slightly to 1.4% after a sharp drop-off in Q1 2018.

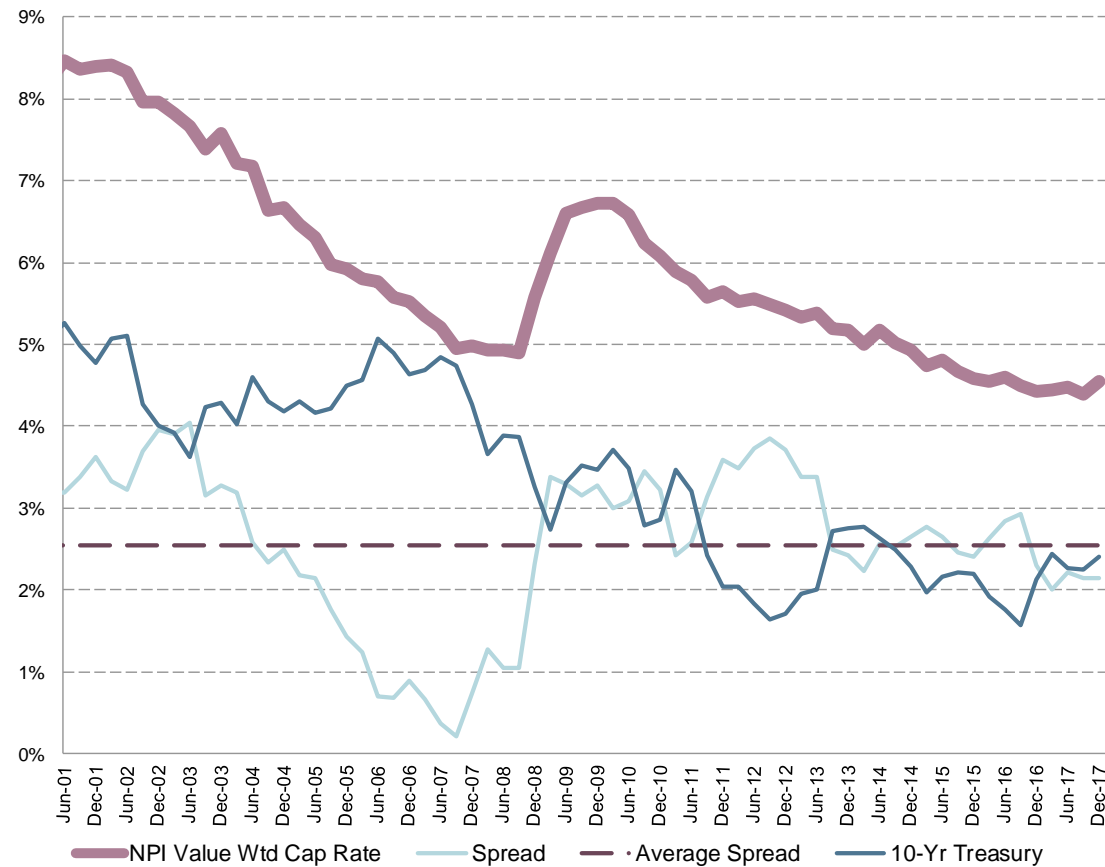
¹ Source: NCREIF

Transaction Volume (\$bn)¹

Private real estate transaction volume for properties valued over \$2.5 million increased 9.5% in Q2 2018 when compared to Q2 2017. Retail volumes were up 50% compared to last quarter, while hotel and industrial volumes were down 11% and 8%, respectively. Office and multifamily volumes were relatively flat. Multifamily and office properties made up the largest percentages of total transaction volume, at 30% and 24%, respectively.

¹ Source: PREA

Real Estate Capital Markets Cap Rates vs. 10-Year Treasury¹



The NPI Value Weighted Cap Rate has flattened over the last two years following a declining trend post-GFC. 10-year Treasury yields continued to trend up in 2018 after a slight pullback in 2017. The spread between cap rates and the 10-year Treasury remained flat between Q1 2018 and Q2 2018, ending the quarter at 1.6%, 90 basis points below the long term average.

¹ Source: NCREIF and U.S. Department of the Treasury

Trailing Period Returns¹

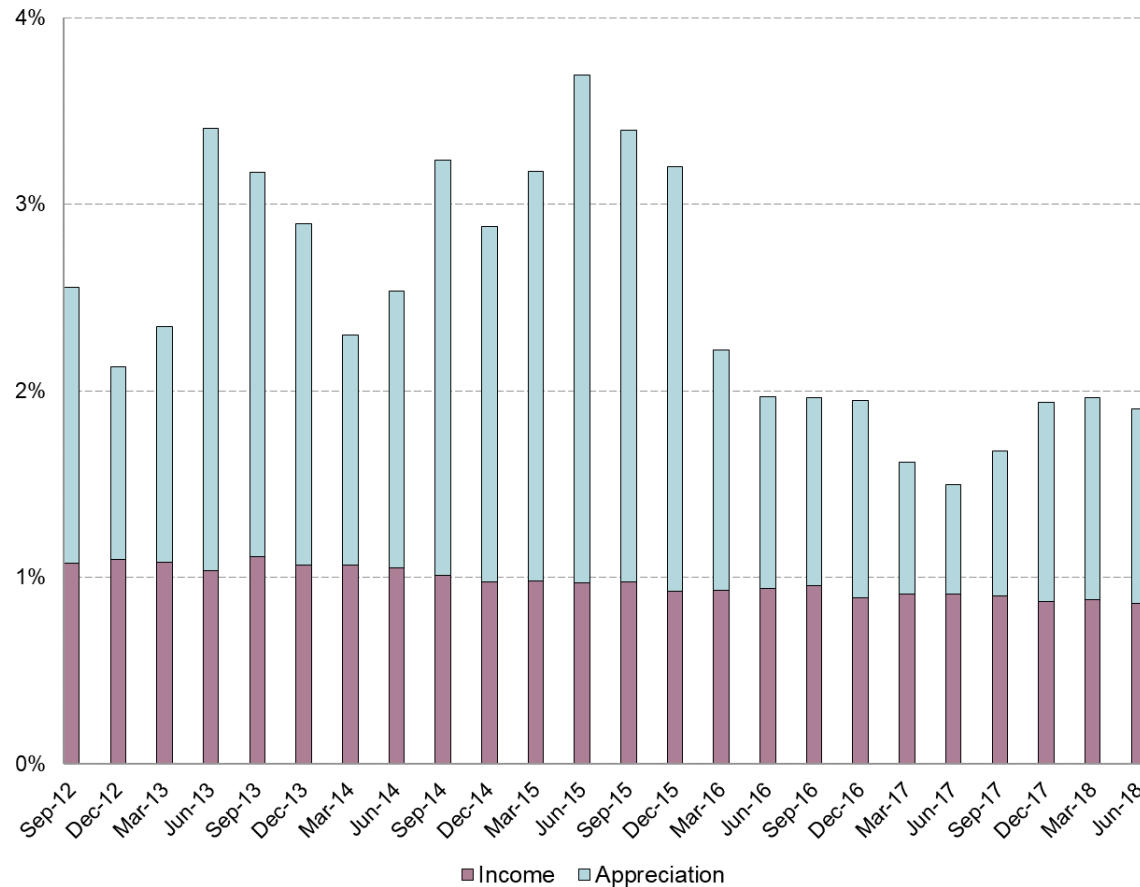
<i>As of June 30, 2018</i>	1 Year	3 Years	5 Years	10 Years
NFI-ODCE (EW, net)	7.7%	8.7%	10.2%	4.2%
NCREIF Property Index	7.2	8.3	9.8	6.2
NFI-CEVA (EW, net)	9.6	10.5	12.3	4.6
NAREIT Index	4.9	9.1	8.9	8.3

Public and private real estate indices have continued to post positive returns, driven by strong property-level fundamentals and a low interest rate environment. The NFI-CEVA (Closed-End Value Add) Index has outperformed over recent time periods, although the funds included in the index utilize higher leverage and have vacancy risk than the comparable indices, which generally include stabilized properties.

¹ Source: NCREIF



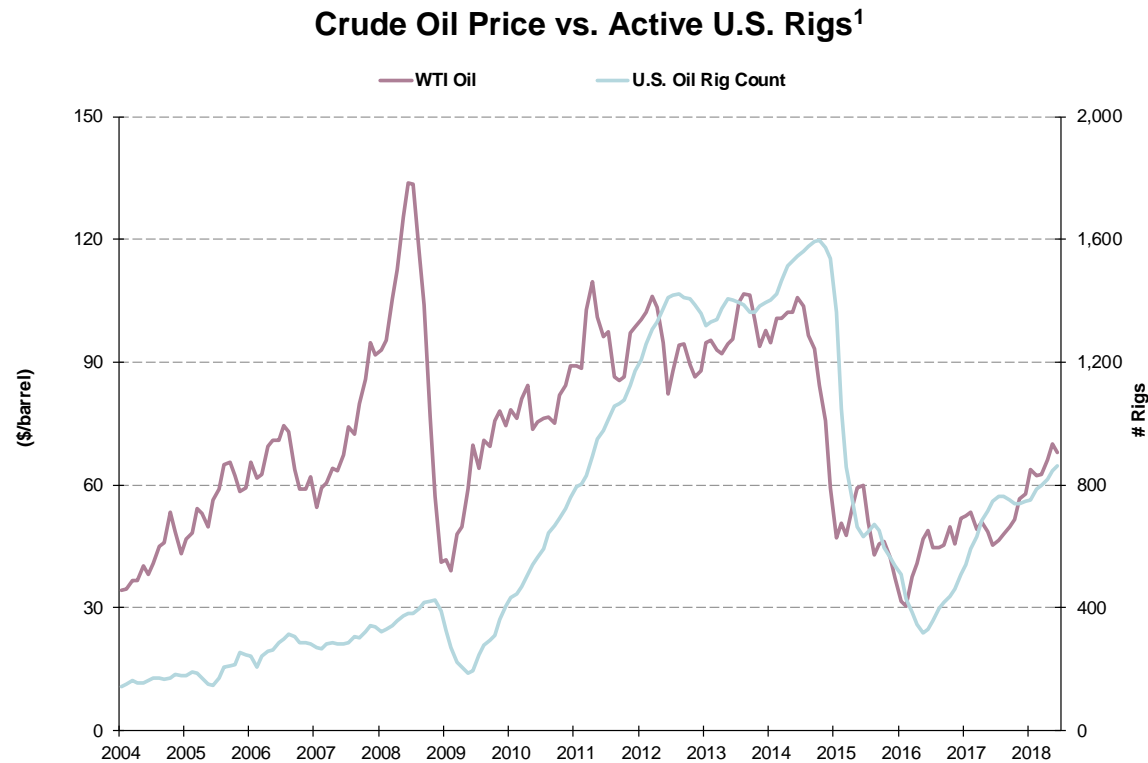
ODCE Return Components¹ (Equal Weight, Net)



The NFI-ODCE Equal Weight return for Q2 2018 was 1.9%, consistent with the previous two quarters. The appreciation component of the return has reached 2016 levels at just over 1.0%. Appreciation return is expected to be moderate in the near term due to the stabilization of cap rates. Income return has been on a slow downward trend, dipping below 0.9% for the quarter.

¹ Source: NCREIF

Extracted Resources

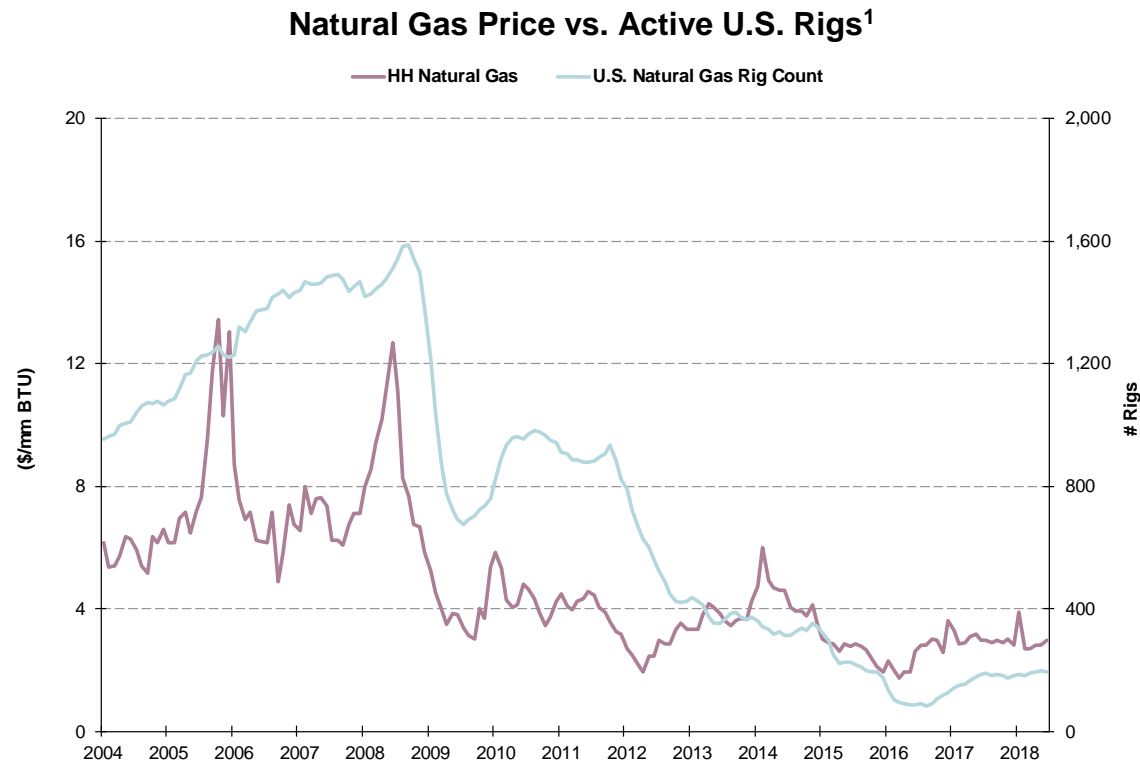


The U.S., UK, and France coordinated military strikes in Syria after a suspected chemical attack in the country. The attack raised concerns of potential oil supply disruptions in neighboring Iran. Additionally, President Trump announced the U.S. will impose sanctions on Iranian oil production with an effective date of November 2018. While Saudi Arabia pledged additional capacity, OPEC has limited spare capacity to increase production meaningfully.

Prices for West Texas Intermediate ("WTI") oil increased to \$68 per barrel representing an 8% quarterly increase and a 50% increase from one year prior. During the quarter, an additional 62 oil rigs were added which brought the total count to 861. U.S. gasoline prices for regular blend increased to \$3.08 per gallon during the second quarter, representing a 10% increase from the previous quarter and a 21% increase from one year prior. The U.S. produced an average of 10.5 million barrels of oil equivalent per day in the second quarter of 2018. The availability of water and midstream energy infrastructure, as well as disposal and treatment of produced water, continue to present challenges to the industry. As a result, regional pricing between local terminals and WTI has been widening to more than \$15 in certain areas.

¹ Source: EIA and Baker Hughes.

Extracted Resources

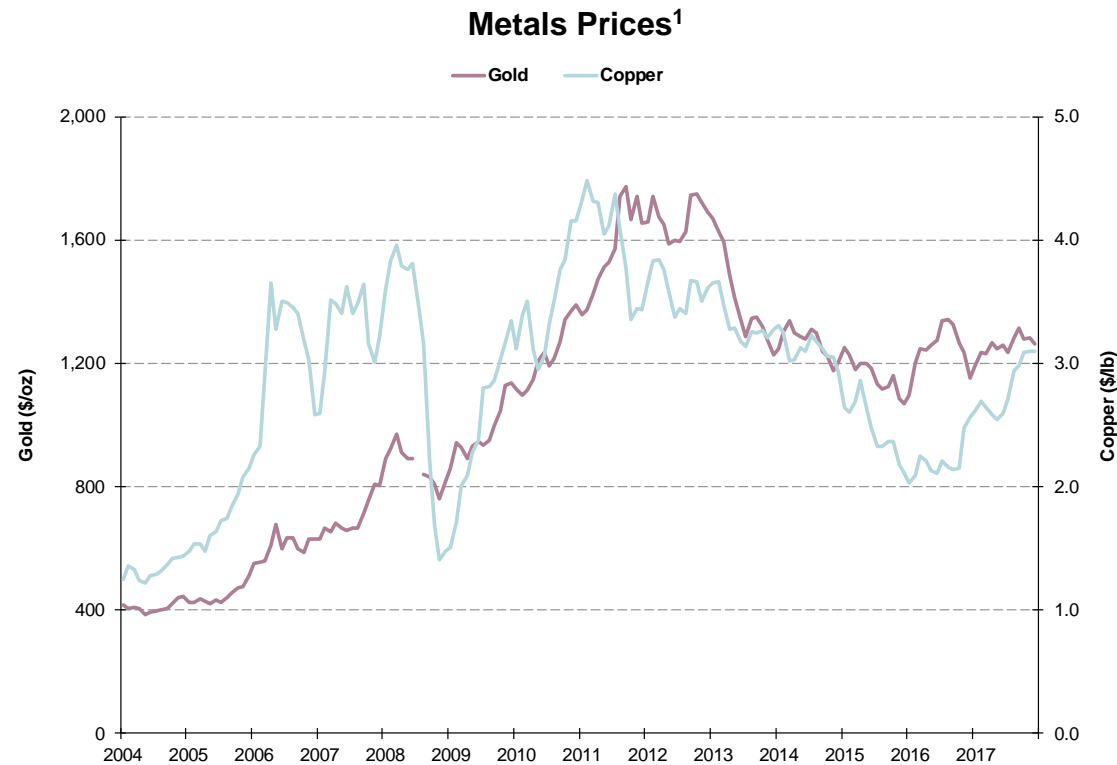


Henry Hub natural gas spot price was \$2.97/MM BTU, as of June 30, 2018, representing a 10% increase from the prior quarter. Relative to one year prior, natural gas prices are flat. Natural gas production from the Marcellus and Utica and significant amounts of associated gas production from oil production in the Permian and Eagle Ford are contributing to record levels of U.S. production. During the second quarter of 2018, the U.S. produced an average of 87.5 billion cubic feet of natural gas per day.

There is a significant buildout of refineries, petrochemical, and liquefied natural gas ("LNG") facilities along the Gulf Coast that is seeking to take advantage the abundant supplies of natural gas and natural gas liquids ("NGL") being produced in the U.S. Once these facilities become operational, they should help absorb excess supply and transform the U.S. into a major energy exporter.

¹ Source: EIA and Baker Hughes.

Extracted Resources

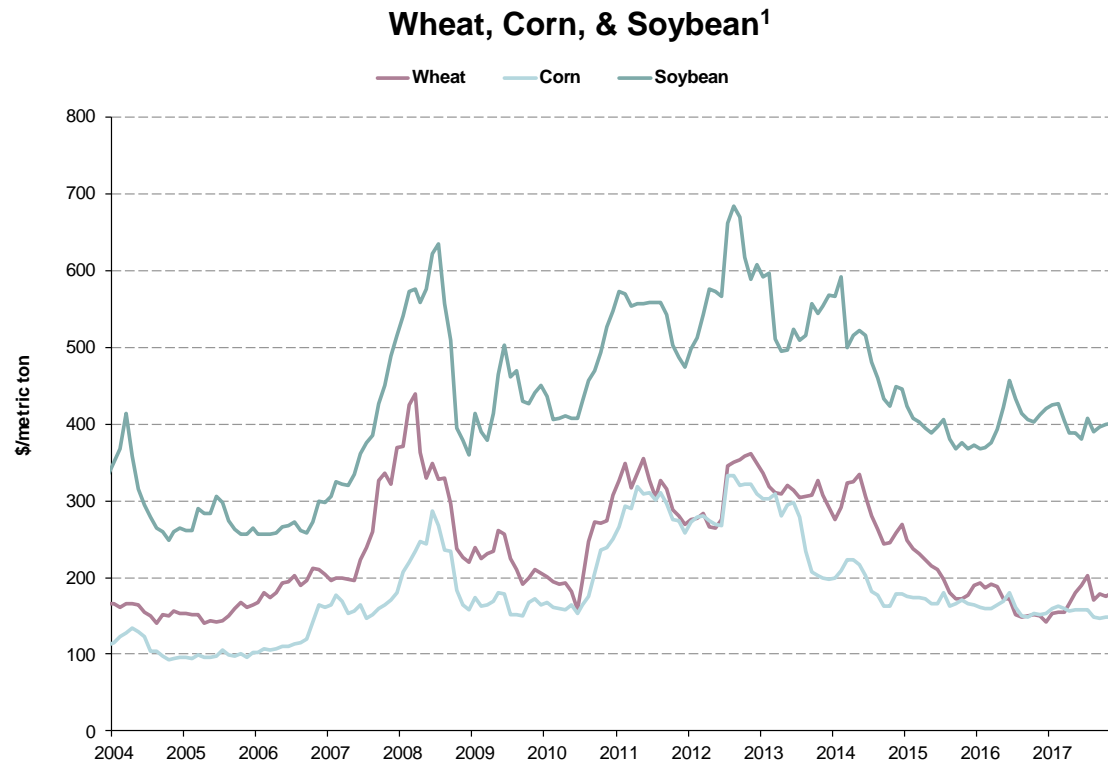


During the quarter, gold traded between \$1,250 and \$1,350 and finished the quarter at \$1,282 per ounce representing a 3% decrease from the prior quarter. Relative to one year prior, gold prices were slightly up by 2%. Further rate increases in the U.S. are expected to contribute to a stronger U.S. dollar which will likely limit positive momentum in gold prices.

Copper prices increased slightly during the quarter to just over \$3 per pound, representing a 2% increase from the previous quarter. Relative to one year prior, copper prices were up by approximately 22%. Copper tends to perform well on global growth and optimism and underperform in weakening economic periods.

¹ Source: World Bank

Harvested Resources



Concerns of tariffs and the impact of trade wars between the U.S. and the rest of the world increased during the second quarter, notably with China. China imposed a round of retaliatory tariffs targeted at the U.S. agricultural sector with an emphasis on soybeans since it imports approximately 60% of U.S. production. China will end up importing more of its soybeans from Brazil; however, Brazil may not be able to supply China while also meeting its domestic demand. As a result, Brazil may import soybeans from the U.S., and new trade routes for U.S. agricultural products will be established over time.

During the quarter, wheat prices were up 4% while corn and soybeans were down by 4% and 7%, respectively. Relative to one year prior, wheat, corn, and soybeans were up by 12%, 5%, and 9%, respectively.

¹ Source: World Bank

Harvested Resources**Trailing Period Returns¹**

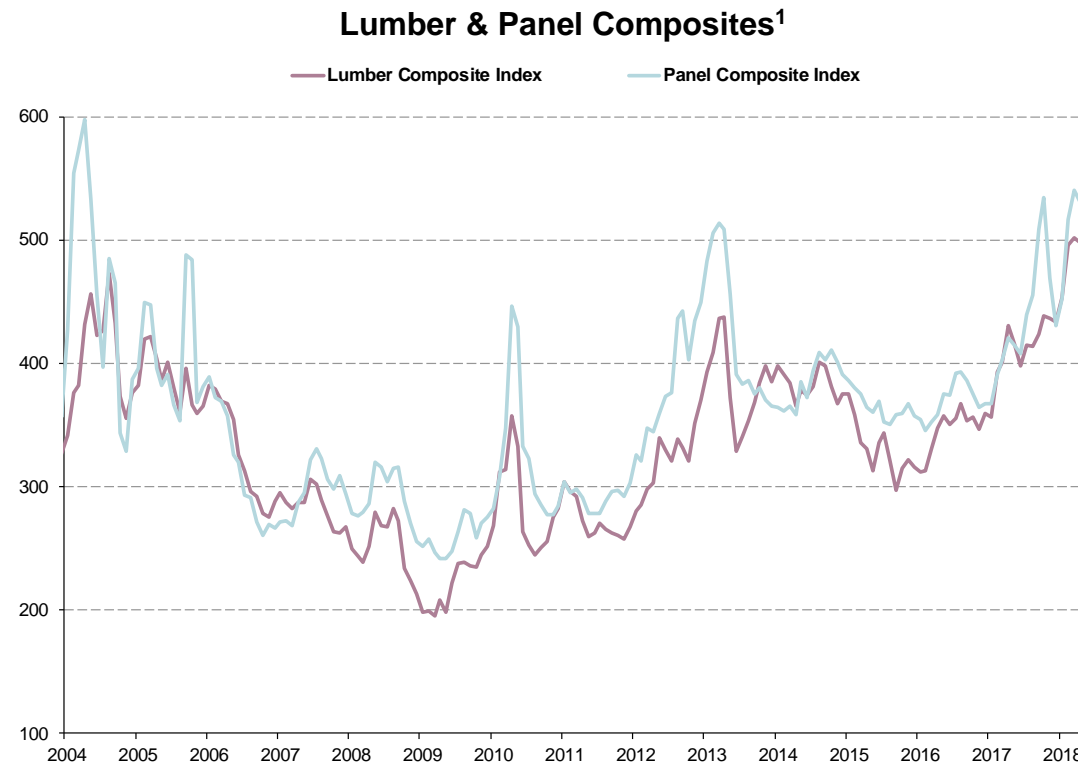
<i>As of June 30, 2018</i>	Q2 18	1 Year	5 Years	10 Years
NCREIF Farmland	1.1%	6.5%	11.7%	14.6%
NCREIF Timberland	0.5%	3.6%	6.0%	4.0%
S&P 500	3.4%	14.4%	13.4%	10.1%
Barclays Aggregate	-0.2%	-0.4%	2.3%	3.7%

The NCREIF Farmland index experienced a 1.1% increase during the quarter within income accounting for 0.6% and appreciation generating 0.5%. Permanent crops returned 0.4% and row crops generated 1.7%. For the year, the NCREIF Farmland index increased by 6.5% driven by 4.7% from income and modest appreciation gains of 1.8%.

The NCREIF Timberland index increased 0.5% during the quarter as a result of income returns of 0.8% and a decrease of land values of 0.3%. For its one year returns, the index generated 3.6% largely from income returns of 3.1%. The Pacific Northwest region generated the strongest regional returns of 2.4%.

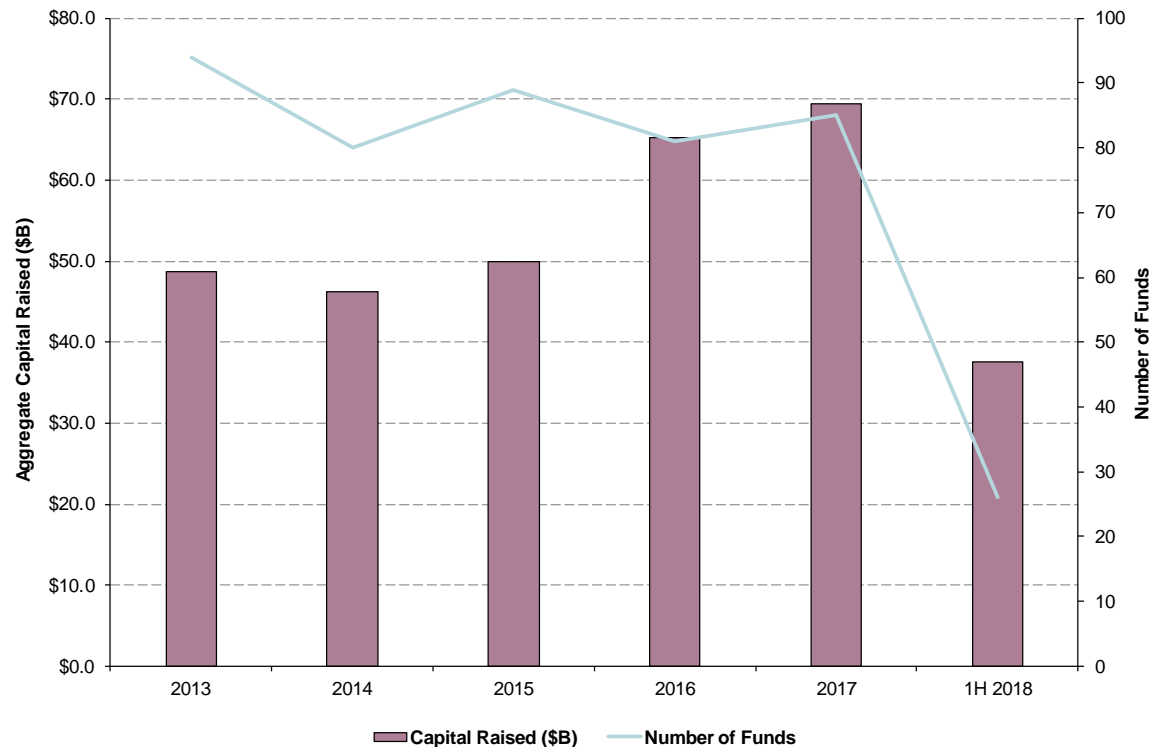
¹ Source: National Council of Real Estate Investment Fiduciaries (NCREIF).

Harvested Resources



The housing sector continues to be the driving factor for the U.S. timberland and wood products sectors. New residential housing starts in the U.S. remained stable at approximately 1.35 million. Prices for timber products such as lumber and panel increased during the quarter from strong demand, limited inventories, and weather issues, in general. During the quarter, lumber and panel prices increased by 12% and 5%, respectively. Relative to one year prior, prices were up 42% and 39%, respectively.

¹ Source: Random Lengths

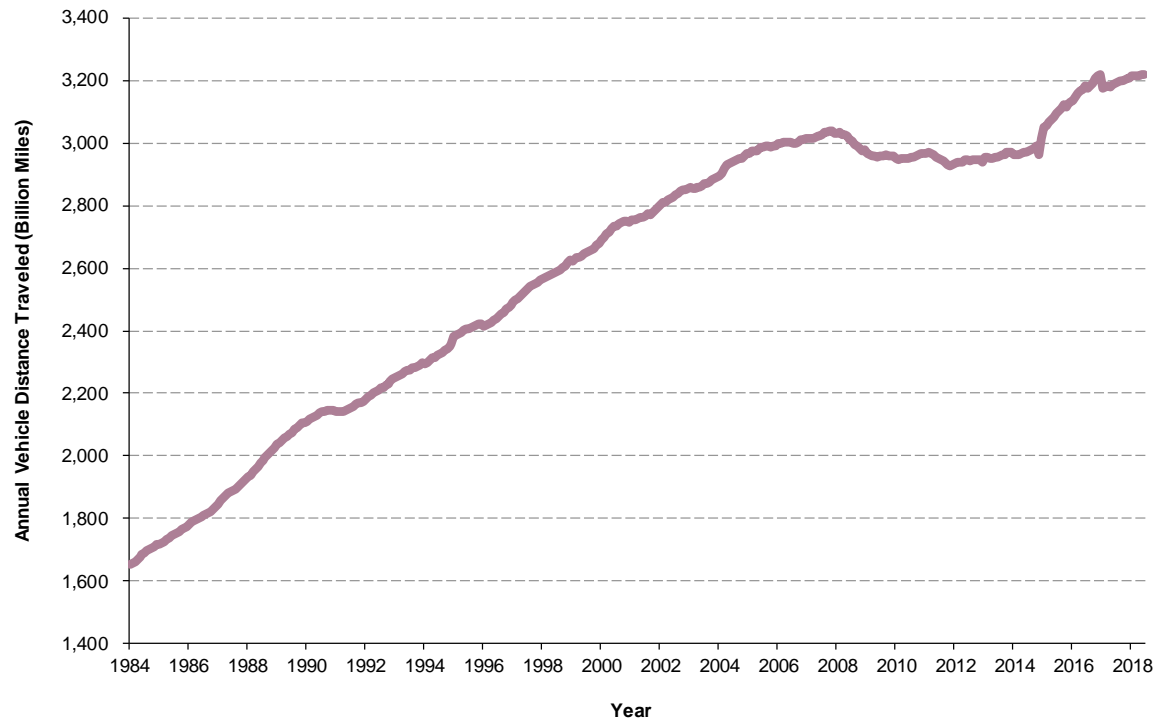
Global Quarterly Unlisted Infrastructure Fundraising¹

Capital raised in the first half of 2018 is on pace with the previous two years in terms of dollars raised, but the market continues to trend toward fewer funds at higher target sizes. In both the first and second quarter, the average fund size raised has exceeded \$1 billion. As of June 30, 2018, a total of 180 unlisted infrastructure funds were in market, according to Preqin, with a combined fundraising target of approximately \$127 billion.

The majority of infrastructure capital continues to focus on the developed markets of North America and Europe, accounting for nearly 85% of the capital raised in Q2 and 15 of the 17 funds closed this quarter. Only two funds collectively raising \$3.6 billion of capital were secured by Asia-focused funds in Q2, while there were no funds closed that focused on the rest of the world.

Notable final closes held in Q2 2018 included ISQ Global Infrastructure Fund II's fundraise of \$6.5 billion, Macquarie Asia Infrastructure Fund II's fundraise of \$3.3 billion, Infracapital Partners III's fundraise of £1.85 billion, and DIF Infrastructure V's fundraise of €1.9 billion.

¹ Source: Preqin Quarterly Update: Infrastructure, Q2 2018.

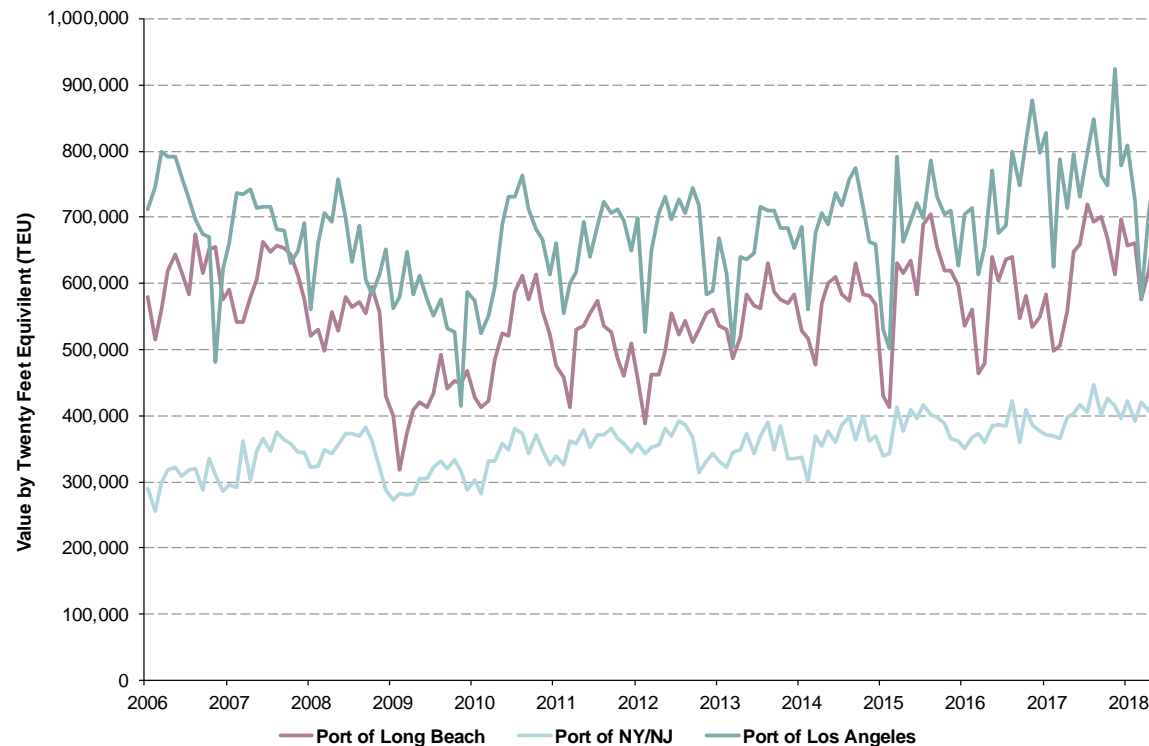
Moving 12-month Total on All U.S. Roads¹

During the second quarter of 2018, travel on U.S. roads totaled approximately 840 billion miles. This represented an increase of 0.7% over the same period in 2017. For the 12 months ending June 30, 2018, Federal Highway Administration data showed vehicle miles traveled increased by 459 billion miles, up 0.03% over the prior 12 month period.

In Q2 2018, the average U.S. price of a gallon of gas came down to a monthly average of \$2.94 per gallon, with a peak of \$2.99. This compares to \$2.50 and \$2.53 seen in 2017. According to INRIX, Los Angeles, New York City, and San Francisco rank as the top three cities in the U.S. in which drivers spend the most hours in traffic.

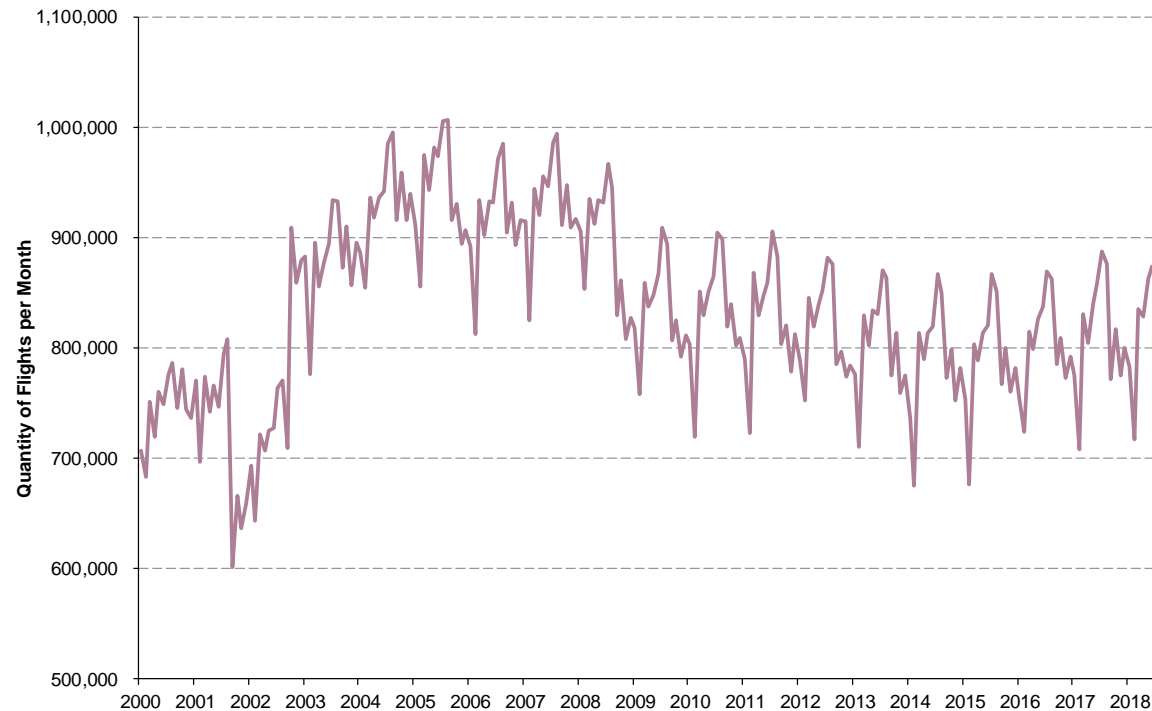
¹ Source: U.S. Department of Transportation, Federal Highway Administration: Office of Highway Policy Information.

U.S. Port Activity – Container Trade in TEUs



The chart represents the top three U.S. ports by container volume, as measured by twenty-foot equivalent units (TEU). Activity at the three ports provides a high-level representation of the volume of imports received into the U.S. more broadly.

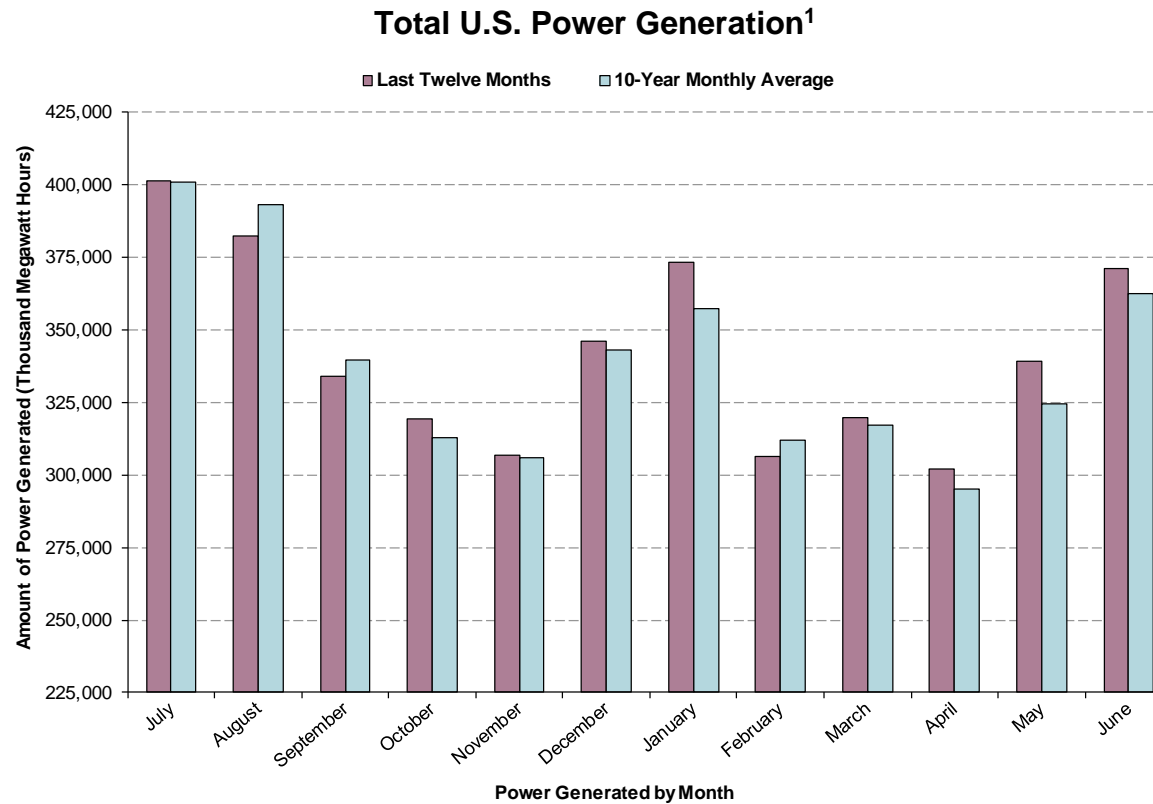
During the second quarter of 2018, volumes at the three ports increased by approximately 210,000 TEU, or 4.0% over same period in 2017. On a year-over-year basis, the combined port volumes increased by 1,409,000 TEU, or 6.8%, over the prior 12 month period. The Port of Long Beach and the Port of NY/NJ both saw an increase in year-over-year activity, while the Port of Los Angeles saw a slight decrease. The Port of Long Beach and NY/NJ recorded increases of 15.9% (1,105,000 TEU) and 7.3% (340,000 TEU), respectively, from the prior 12 months. The Port of Los Angeles recorded a decrease of 0.4% (36,000 TEU).

Total U.S. Domestic and International Flights¹

The chart above represents all U.S. domestic and international flights, excluding foreign point-to-point flights by month. Air traffic is cyclical with peaks in the summer months and declines in the winter months.

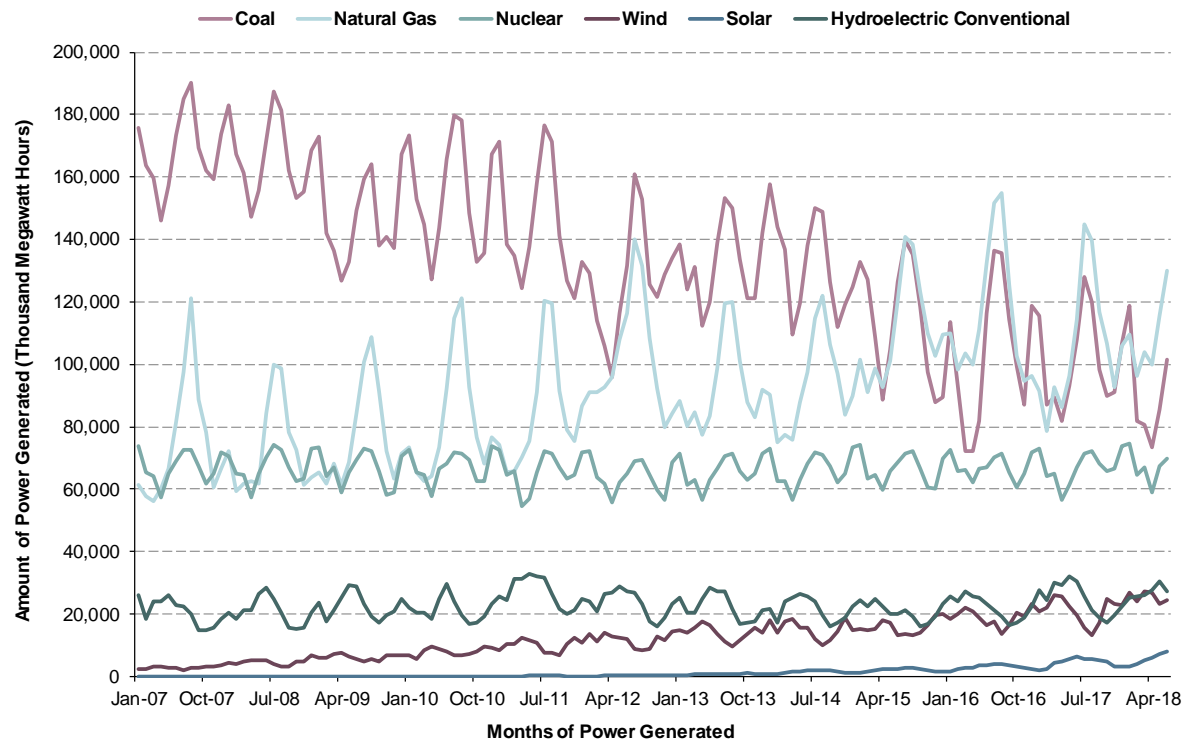
There were over 61,700 more flights during the second quarter of 2018, representing a 4.0% increase, compared to the same period in 2017. Air traffic activity also increased by 1.2% for the 12 months ending June 30, 2018 over the previous period. In addition to the number of flights during the second quarter increasing year-over-year, the total number of passengers travelling on U.S. and international airlines increased by 4.3% from 2017 to 2018, which indicates higher capacity factors among airlines compared to the prior period.

¹ Source: Bureau of Transportation Statistics: Flights, All U.S., and Foreign Carriers.



The graph above represents the total net generation for the past 12 months compared to the 10 year average for each month. Over the past year, power generation exceeded the 10-year average in nine out of the 12 months. Net energy generation in the U.S. increased by 4.3% during the second quarter, compared to the same period in 2017. For the 12 months ended June 30, 2018, net energy generation increased by 1.3% over the previous 12 months.

¹ Source: U.S. Energy Information Administration: Electric Power Monthly, September 2018.

U.S. Power Generation by Source¹

When comparing individual generation sources in the U.S., natural gas, nuclear, wind, and solar increased 16.5%, 6.0%, 9.5%, and 25.2%, respectively in the second quarter of 2018 as compared to the same period in the previous year, while generation from coal and hydroelectric conventional dropped by 8.0% and 7.3%, respectively, during the same period. Wind and utility scale solar continue to make up a small portion of total net energy generation in the U.S., accounting for only 7.4% and 2.1% of energy generation in the second quarter, while coal and natural gas accounted for 25.7% and 34.1%, respectively. However, the growth of wind and solar as sources of energy generation continues to increase at a faster rate than coal and natural gas, especially over the last couple of years.

¹ Source: U.S. Energy Information Administration: Electric Power Monthly, September 2018.

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The values of companies and partnerships in this review are based on unaudited reports for June 30, 2018, provided by the General Partners, unless otherwise noted.

Because there is no readily accessible market for private markets assets (companies and partnerships), the values placed on private markets assets are calculated by General Partners using conservative and industry standard pricing procedures. Annually, an independent auditor reviews the pricing procedures employed by the General Partner of each partnership.

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