As of September 30, 2015 Industry: Solar Energy



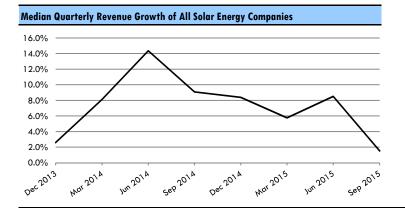
Industry Summary

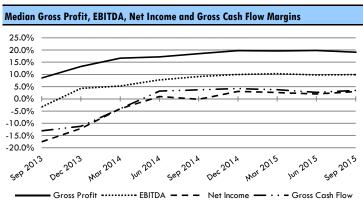
Cogent Valuation identified Solar Energy publicly traded companies, IPOs, and recent M&A transactions within the Solar Energy industry, which provides a basis for market and transaction pricing that can be used by your firm in estimating market sentiment and its impact on your firm's value. Over the last year since September 30, 2014, the median 52-week share price return of the Solar Energy industry was -35.0%. Between September 30, 2013 and September 30, 2015, the median EV/EBITDA multiple decreased from 25.7 to 8.1. Furthermore, the median price-to-earnings multiple decreased from 11.3 to 9.0 over the same period.

Comparable Public Company Key Statist	ics												
Median 52-Week Return	-35.0%	Median EV/Revenue Multiple			1.0x	Median Price/Earnings Multiple				9.0x			
Median 3-Year CAGR Return	20.1%	Median EV/EBITDA Multiple				8.1x	Median EV/Gross CF Multiple				16.2x		
Comparable Public Company Market Price Returns (As of September 30, 2015)													
	YTD	3 Month	1 Year	2 Year	3 Year	5 Year	2014	2013	2012	2011	2010		
First Solar, Inc.	-4.1%	-9.0%	-35.0%	3.1%	24.5%	-21.9%	-18.4%	77.1%	-8.6%	-74.1%	-3.9%		
SunPower Corporation	-22.4%	-29.5%	-40.9%	-12.5%	64.4%	N/A	-13.4%	430.4%	-9.8%	N/A	N/A		
JA Solar Holdings Co., Ltd.	-4.7%	-8.8%	-15.7%	-12.4%	22.0%	-30.1%	-10.7%	114.8%	-36.3%	-80.6%	21.4%		
Trina Solar Limited	-3.1%	-22.9%	-25.7%	-23.8%	25.1%	-21.5%	-32.3%	215.0%	-35.0%	-71.5%	-13.2%		
Yingli Green Energy Holding Co. Ltd.	-82.6%	-66.8%	-86.9%	-75.7%	-37.8%	-50.6%	-53.5%	114.9%	-38.2%	-61.5%	-37.5%		
China Sunergy Co. Ltd.	-4.9%	-37.3%	-59.4%	-56.1%	1.8%	-38.8%	-79.8%	324.6%	26.8%	-91.1%	-9.5%		
Ascent Solar Technologies, Inc.	-83.1%	-67.0%	-91.8%	-85.6%	-74.1%	-64.4%	-84.8%	13.7%	59.0%	-88.4%	-36.6%		
Canadian Solar Inc.	-31.3%	-41.9%	-53.5%	-1.1%	81.3%	0.4%	-18.9%	777.1%	27.8%	-78.5%	-57.0%		
JinkoSolar Holding Co., Ltd.	11.3%	-25.7%	-20.2%	-1.4%	79.6%	-7.0%	-32.7%	371.8%	24.2%	-75.1%	N/A		
Song Da Industry Trade Jsc	-9.0%	-13.9%	-6.8%	8.9%	-1.8%	-27.2%	8.9%	-6.6%	8.1%	-75.2%	-25.3%		
Ellomay Capital Ltd.	-13.8%	0.8%	-15.5%	-3.6%	18.2%	8.7%	-0.4%	62.9%	6.8%	-25.3%	20.0%		
Enphase Energy, Inc.	-74.1%	-51.4%	-75.3%	-32.5%	-3.7%	N/A	125.4%	73.7%	N/A	N/A	N/A		
SolarCity Corporation	-20.1%	-20.2%	-28.3%	11.1%	N/A	N/A	-5.9%	376.3%	N/A	N/A	N/A		
Median of Industry Public Companies	-13.8%	-25.7%	-35.0%	-12.4%	20.1%	-24.6%	-18.4%	114.9%	6.8%	-75.2%	-13.2%		

(Multiple year periods are calculated as the average annual return.)

EV/Gross Cash Flows Multiple





Median Public Company Multiples of the Solar Energy Industry											
Date:	9/30/2013	12/31/2013	3/31/2014	6/30/2014	9/30/2014	12/31/2014	3/31/2015	6/30/2015	9/30/2015		
EV/Revenues Multiple	1.4x	1.4x	1.3x	1.4x	1.5x	1.2x	1.2x	1.2x	1.0x		
EV/EBITDA Multiple	25.7x	17.7x	10.2x	11.0x	9.6x	6.6x	8.1x	7.7x	8.1x		
Price/Earnings Multiple	11. 3 x	11.3x	22.0x	23.5x	16.7x	14.2x	13.4x	8.8x	9.0x		

17.0x

15.2x

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15.5x

12.2x

12.8x

13.5x

16.2x

5.1x

6.2x

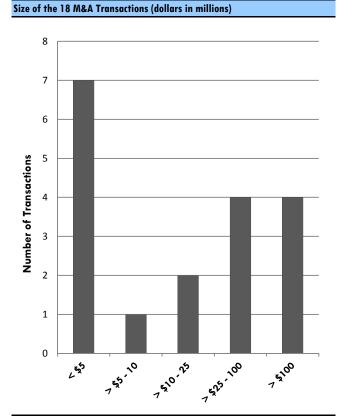
As of September 30, 2015 Industry: Solar Energy



Industry Initial Public Offerings (dollars in millions, except share prices)											
Offer Date 8/5/2015	<u>Company Name</u> Sunrun Inc.	Offer Price \$14.00	Shares Offered	Amount Raised \$250.6	Total Assets \$2,016.4	<u>Debt</u> \$447.1	LTM Revenues \$217.8	LTM EBITDA (\$105.0)	<u>LTM Net Income</u> (\$77.1)	LTM Cash Flows (\$57.5)	
3/26/2015	SolarEdge Technologies, Inc.	\$18.00	7.0	\$126.0	\$133.3	\$4.7	\$215.4	\$1.7	(\$2.4)	\$3.9	
9/30/2014	Vivint Solar, Inc.	\$16.00	20.6	\$329.6	\$566.3	\$140.5	\$14.3	(\$75.1)	\$38.6	(\$70.8)	
12/12/2012	SolarCity Corporation	\$8.00	11.5	\$92.0	\$1,151.2	\$299.3	\$124.1	(\$40.7)	(\$47.1)	(\$22.3)	
3/29/2012	Enphase Energy, Inc.	\$6.00	6.5	\$53.8	\$106.2	\$34.1	\$149.5	(\$26.3)	(\$32.3)	(\$24.0)	
5/13/2010	JinkoSolar Holding Co., Ltd.	\$11.00	5.8	\$64.2	\$378.8	\$167.4	\$274.7	\$37.3	\$24.1	\$37.3	
6/7/2007	Yingli Green Energy Holding Co. Ltd.	\$11.00	29.0	\$319.0	\$435.4	\$182.9	\$241.3	\$55.3	\$25.8	\$62.2	
5/17/2007	China Sunergy Co. Ltd.	\$11.00	8.5	\$93.5	\$176.3	\$77.9	\$149.5	\$17.0	\$11.8	\$18.7	
2/6/2007	JA Solar Holdings Co., Ltd.	\$15.00	15.0	\$225.0	\$7.3	\$0.0	\$0.0	(\$0.5)	(\$0.7)	(\$0.5)	
12/18/2006	Trina Solar Limited	\$18.50	5.3	\$98.1	\$112.5	\$39.1	\$91.6	\$14.8	\$10.0	\$15.8	
11/16/2006	First Solar, Inc.	\$20.00	20.0	\$400.0	\$255.1	\$71.0	\$95.9	(\$5.1)	(\$11.3)	\$2.4	
11/8/2006	Canadian Solar Inc.	\$15.00	7.7	\$115.5	\$57.5	\$23.2	\$37.4	\$8.3	(\$2.6)	\$8.5	
7/10/2006	Ascent Solar Technologies, Inc.	\$5.50	3.0	\$16.5	\$0.2	\$0.2	\$0.0	\$0.0	(\$7.2)	\$0.0	
12/13/2005	Suntech Power Holdings Co. Ltd.	\$15.00	26.4	\$395.7	\$135.2	\$51.3	\$174.7	\$49.9	\$34.0	\$52.6	
11/16/2005	SunPower Corporation	\$18.00	7.7	\$138.6	\$164.8	\$0.0	\$54.1	(\$10.2)	(\$25.6)	(\$0.9)	
Median of Al	l IPOs	nm	nm	\$126.0	\$164.8	\$51.3	\$124.1	\$0.0	(\$2.4)	\$2.4	

nm: not meaningful

Recent Merger	and Acquisition Transaction	is tor a Majority Stake (dol	lars in millions)	
T .: D.			T	0/ B 1:
<u>Transaction Date</u>	<u>Target</u>	<u>Acquirer</u>	Transaction Size	% Bought
8/5/2015	Energy Source Partners, LLC	Revolution Lighting	\$30.1	100%
7/30/2015	Solairedirect SA	ENGIE SA	\$275.4	95%
6/25/2015	Solar Alliance of Amer.	Finavera Wind Energy	\$5.0	100%
5/28/2015	Solar Juice Pty Ltd.	SPI China (HK) Limited	\$28.0	80%
5/13/2015	REC Solar ASA	Bluestar Elkem Investment	\$634.4	100%
3/30/2015	Recurrent Energy, LLC	Canadian Solar Inc.	\$265.0	100%
12/31/2014	Next Phase Solar, Inc.	Enphase Energy, Inc.	\$2.5	100%
11/18/2014	Avacos Solar	ONEnergy Inc.	\$1.4	100%
11/4/2014	Hudson Energy Solar Corp.	SunEdison, Inc.; TerraForm	\$56.0	100%
9/22/2014	Tripod Energy AB	Innotech Solar AS	\$6.4	100%
5/15/2014	Golmud TBEA	Shenzhen CLOU Energy	\$1.7	100%
3/12/2014	FCC Energia, SA	Plenium Partners	\$11.1	51%
1/7/2014	Changzhou Dinghui New Energy	United Photovoltaics	\$2.5	100%
12/3/2013	Mia Sol Solar	Aspen Group Ltd.	\$4.0	100%
10/1/2013	Wafering Technology Corp.	Gigastorage Corporation	\$3.7	100%
5/31/2013	DelSolar Co.	Neo Solar Power	\$241.6	85%
4/18/2013	Yunnan Tianda Photovoltaic	Xi'an North Photoelectric	\$14.0	88%
2/20/2013	Photovoltech	Solartec S.A.	\$63.1	100%
Median of the	18 M&A Transaction Targets	5	\$12.5	100%



Definitions of Financial Terms Used in this Quarterly Industry Update:

Enterprise Value (EV): Market Value of Equity + Market Value of Debt - Cash

Earnings Before Interest, Taxes, Depreciation and Amortization (EBITDA): Profitability metric sometimes also referred to as operating profit or operating earnings.

Gross Cash Flows: Net Income + Depreciation and Amortization Expense

Latest Twelve Months (LTM): Financial information is as of the latest twelve months through the date of this Quarterly Industry Update.

As of September 30, 2015 Clean Energy Industry Aggregates



Comparable Public Company Key Statis	tics											
Median 52-Week Return	-45.8%	Me	edian EV/R	evenue Mu	ıltiple	1.2x	1.2x Median Price/Earnings Multiple					
Median Year-to-Date Return	-20.1%	Me	edian EV/E	BITDA Mult	tiple	9.5x	M	ultiple	22.2x			
Comparable Public Company Market Pr	ice Returns (As o	of September	30, 2015)									
	YTD	3 Month	1 Year	2 Year	3 Year	5 Year	2014	2013	2012	2011	2010	
Ameresco, Inc.	-16.0%	-23.1%	-14.2%	-23.4%	-20.7%	-13.2%	-27.5%	-1.5%	-28.5%	-4.5%	N/A	
Amyris, Inc.	-2.4%	3.1%	-47.0%	-6.7%	-16.4%	-34.9%	-61.1%	69.6%	-73.0%	-56.7%	N/A	
Ascent Solar Technologies, Inc.	-83.1%	-67.0%	-91.8%	-85.6%	-74.1%	-64.4%	-84.8%	13.7%	59.0%	-88.4%	-36.6%	
Blue Earth Inc.	-37.0%	-37.6%	-82.0%	-51.8%	-22.7%	-11.5%	-60.3%	126.7%	-7.7%	-35.0%	-61.9%	
Canadian Solar Inc.	-31.3%	-41.9%	-53.5%	-1.1%	81.3%	0.4%	-18.9%	777.1%	27.8%	-78.5%	-57.0%	
China Sunergy Co. Ltd.	-4.9%	-37.3%	-59.4%	-56.1%	1.8%	-38.8%	-79.8%	324.6%	26.8%	-91.1%	-9.5%	
Codexis, Inc.	34.5%	-12.9%	45.5%	38.8%	3.8%	-18.8%	80.0%	-36.7%	-58.3%	-50.0%	N/A	
Deinove SA	-13.7%	-7.3%	-30.5%	-34.7%	-20.8%	0.2%	-56.8%	32.1%	58.0%	61.5%	N/A	
Ellomay Capital Ltd.	-13.8%	0.8%	-15.5%	-3.6%	18.2%	8.7%	-0.4%	62.9%	6.8%	-25.3%	20.0%	
Enphase Energy, Inc.	-74.1%	-51.4%	-75.3%	-32.5%	-3.7%	N/A	125.4%	73.7%	N/A	N/A	N/A	
First Solar, Inc.	-4.1%	-9.0%	-35.0%	3.1%	24.5%	-21.9%	-18.4%	77.1%	-8.6%	-74.1%	-3.9%	
Gevo, Inc.	-64.2%	-47.4%	-66.5%	-75.6%	-62.3%	N/A	-77.6%	-7.1%	-75.5%	N/A	N/A	
Green Plains Inc.	-21.5%	-29.4%	-48.0%	10.1%	49.2%	9.8%	27.9%	145.0%	-19.0%	-13.3%	-24.3%	
JA Solar Holdings Co., Ltd.	-4.7%	-8.8%	-15.7%	-12.4%	22.0%	-30.1%	-10.7%	114.8%	-36.3%	-80.6%	21.4%	
JinkoSolar Holding Co., Ltd.	11.3%	-25.7%	-20.2%	-1.4%	79.6%	-7.0%	-32.7%	371.8%	24.2%	-75.1%	N/A	
Metabolix, Inc.	-44.1%	-63.2%	-74.7%	-57.3%	-48.5%	-55.1%	-67.3%	-14.9%	-67.5%	-62.6%	10.1%	
MGP Ingredients Inc.	0.9%	-4.8%	22.5%	74.8%	61.2%	15.3%	205.6%	51.8%	-32.1%	-54.3%	44.3%	
NextEra Energy Partners, LP	-35.4%	-45.0%	-37.2%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
Pacific Ethanol, Inc.	-37.2%	-37.1%	-53.5%	36.0%	3.5%	-41.4%	102.9%	7.3%	-70.2%	-79.0%	1.6%	
SolarCity Corporation	-20.1%	-20.2%	-28.3%	11.1%	N/A	N/A	-5.9%	376.3%	N/A	N/A	N/A	
Solazyme, Inc.	0.8%	-17.2%	-65.1%	-50.9%	-39.1%	N/A	-76.3%	38.5%	-33.9%	N/A	N/A	
Song Da Industry Trade Jsc	-9.0%	-13.9%	-6.8%	8.9%	-1.8%	-27.2%	8.9%	-6.6%	8.1%	-75.2%	-25.3%	
SunPower Corporation	-22.4%	-29.5%	-40.9%	-12.5%	64.4%	N/A	-13.4%	430.4%	-9.8%	N/A	N/A	
TerraForm Power, Inc.	-54.0%	-62.6%	-50.7%	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
The Andersons, Inc.	-35.9%	-12.7%	-45.8%	-14.5%	10.7%	6.2%	-10.6%	107.9%	-1.7%	20.1%	40.8%	
Trina Solar Limited	-3.1%	-22.9%	-25.7%	-23.8%	25.1%	-21.5%	-32.3%	215.0%	-35.0%	-71.5%	-13.2%	
Yingli Green Energy Holding Co. Ltd.	-82.6%	-66.8%	-86.9%	-75.7%	-37.8%	-50.6%	-53.5%	114.9%	-38.2%	-61.5%	-37.5%	
Median of Industry Public Companies	-20.1%	-25.7%	-45.8%	-12.5%	2.7%	-20.2%	-18.9%	73.7%	-19.0%	-62.1%	-9.5%	

(Multiple year periods are calculated as the average annual return.)

As of September 30, 2015 Clean Energy Industry Aggregates

8/22/2006

7/12/2006

7/10/2006

12/13/2005

Median of All IPOs

The Andersons, Inc.

Ascent Solar Technologies, Inc.

Suntech Power Holdings Co. Ltd.

FutureFuel Corp.



Median Publ	ic Company Multiples of the Cl	ean Energy	industry Aggre	egares							
Date:		9/30/2013	12/31/2013	3/31/2014	6/30/2014	9/30/201	4 1	12/31/2014	3/31/2015	6/30/2015	9/30/2015
EV/Revenu	ues Multiple	1.4x	1.1x	1.4x	1.4x	1.5x		1.5x	1.4x	1.3x	1.2x
EV/EBITDA	Multiple	9.7x	18.3x	11.8x	11.5x	10.2x		7.7x	8.0x	8.5x	9.5x
Price/Earn	ings Multiple	24.7x	24.2x	22.9x	18.8x	21.2x		14.5x	22.5x	23.5x	16.8x
EV/Gross (Cash Flows Multiple	9.5x	7.0x	10.6x	20.6x	15.6x		10.6x	10.1x	21.3x	22.2x
Industry Init	tial Public Offerings - Clean Ene	rgy Industr	y Aggregates (dollars in millio	ons, except shar	re prices)					
Offer Date	Company Name		Offer Price	Shares Offered	Amount Raised	Total Assets	<u>Debt</u>	LTM Revenues	LTM EBITDA	LTM Net Income	LTM Cash Flows
8/5/2015	Sunrun Inc.		\$14.00	17.9	\$250.6	\$2,016.4	\$447.1	\$217.8	(\$105.0)	(\$77.1)	(\$57.5)
3/26/2015	SolarEdge Technologies, Inc.		\$18.00	7.0	\$126.0	\$133.3	\$4.7	\$215.4	\$1.7	(\$2.4)	\$3.9
9/30/2014	Vivint Solar, Inc.		\$16.00	20.6	\$329.6	\$566.3	\$140.5	\$14.3	(\$75.1)	\$38.6	(\$70.8)
12/12/2012	SolarCity Corporation		\$8.00	11.5	\$92.0	\$1,151.2	\$299.3	\$124.1	(\$40.7)	(\$47.1)	(\$22.3)
3/29/2012	Enphase Energy, Inc.		\$6.00	6.5	\$53.8	\$106.2	\$34.1	\$149.5	(\$26.3)	(\$32.3)	(\$24.0)
1/18/2012	Renewable Energy Group, Inc.		\$10.00	7.2	\$72.0	\$472.6	\$109.5	\$626.8	\$78.6	(\$15.9)	\$85.5
6/23/2011	KiOR, Inc.		\$15.00	10.0	\$150.0	\$82.2	\$9.2	\$0.0	(\$36.0)	(\$53.1)	(\$34.3)
5/26/2011	Solazyme, Inc.		\$18.00	11.0	\$197.6	\$86.7	\$0.2	\$40.0	(\$16.7)	(\$19.6)	(\$15.8)
2/8/2011	Gevo, Inc.		\$15.00	7.2	\$107.3	\$57.9	\$20.3	\$2.4	(\$32.0)	(\$40.8)	(\$29.2)
9/27/2010	Amyris, Inc.		\$16.00	5.3	\$84.8	\$305.0	\$12.8	\$68.1	(\$62.8)	(\$76.0)	(\$56.4)
5/13/2010	JinkoSolar Holding Co., Ltd.		\$11.00	5.8	\$64.2	\$378.8	\$167.4	\$274.7	\$37.3	\$24.1	\$37.3
4/21/2010	Codexis, Inc.		\$13.00	6.0	\$78.0	\$99.0	\$7.9	\$82.9	(\$11.1)	(\$20.3)	(\$6.0)
6/14/2007	BioFuels Energy Corp.		\$10.50	5.3	\$55.1	\$121.5	\$0.0	\$0.0	(\$12.2)	(\$3.1)	(\$12.2)
6/7/2007	Yingli Green Energy Holding Co. I	.td.	\$11.00	29.0	\$319.0	\$435.4	\$182.9	\$241.3	\$55.3	\$25.8	\$62.2
5/17/2007	China Sunergy Co. Ltd.		\$11.00	8.5	\$93.5	\$176.3	\$77.9	\$149.5	\$17.0	\$11.8	\$18.7
2/6/2007	JA Solar Holdings Co., Ltd.		\$15.00	15.0	\$225.0	\$7.3	\$0.0	\$0.0	(\$0.5)	(\$0.7)	(\$0.5)
12/18/2006	Trina Solar Limited		\$18.50	5.3	\$98.1	\$112.5	\$39.1	\$91.6	\$14.8	\$10.0	\$15.8
11/16/2006	First Solar, Inc.		\$20.00	20.0	\$400.0	\$255.1	\$71.0	\$95.9	(\$5.1)	(\$11.3)	\$2.4
11/13/2006	Metabolix, Inc.		\$14.00	6.8	\$95.2	\$22.0	\$0.0	\$5.1	(\$7.7)	(\$8.6)	(\$7.1)
11/8/2006	Canadian Solar Inc.		\$15.00	7.7	\$115.5	\$57.5	\$23.2	\$37.4	\$8.3	(\$2.6)	\$8.5

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\$83.3

\$180.0

\$16.5

\$395.7

\$102.7

\$600.7

N/A

\$0.2

\$135.2

\$133.3

\$248.8

N/A

\$0.2

\$51.3

\$34.1

\$1,331.6

N/A

\$0.0

\$174.7

\$91.6

\$68.9

N/A

\$0.0

\$49.9

(\$5.1)

\$28.9

N/A

(\$7.2)

\$34.0

(\$7.2)

\$90.8

N/A

\$0.0

\$52.6

(\$0.5)

\$37.00

\$8.00

\$5.50

\$15.00

nm

2.3

22.5

3.0

26.4

nm