

# PHOTON ENERGY N.V. MONTHLY REPORT

December 2015

for the period from 1 to 31 December 2015

MATERIAL	THINFILM	INSPECTION	TOLERANCE NORM ISO 8015:	PRECISION ISO...	CONCEPT	DESIGN	NORM.REF.	EXAMINED	APPROVED	INDEX	AMEND.
			YES							X	X
										X	X
										X	X
										X	X

NAME TYPE  
PS-PKI - PRA

## **1. Information on the occurrence of trends and events in the market environment of the Issuer, which in the Issuer's opinion may have important consequences in the future for the financial condition and results of the Issuer.**

### **1.1 Power plants outperform predictions by 42%**

In December 2015 following particularly favourable weather conditions the power plants in the Company's proprietary portfolio outperformed generation estimates by an outstanding 42% on average. Furthermore, the portfolio recorded an outperformance of approx. 5.5% against generation estimates YTD (up by 6.3% YOY YTD).

For more information, please refer to chapter 2 "Proprietary PV plants".

### **1.2 Photon Energy signed new O&M contracts for 4.9 MWp in the Czech Republic**

Photon Energy Operations expanded its market share on the Czech solar O&M market by signing contracts for four PV power plants with a total capacity of 4.9 MWp. As a result Photon Energy now offers O&M services to more than 157 MWp across Europe and in Australia.

### **1.3 Amendments to financing facility agreements**

On 30 December Photon Energy N.V. concluded through its subsidiaries amendments to its financing facility with Raiffeisen Leasing s.r.o. in Prague. By the amendments the existing credit facility on nine Czech power plants was increased by CZK 40 million (EUR 1.480 million, PLN 6.301 million). The maturity of the facility remains unchanged and the repayment frequency remains quarterly.

### **1.4 Photon Energy sells its shares in Photon Energy Operations DE GmbH**

On 7 January 2016, the Company signed an agreement on the sale of its shares in Photon Energy Operations DE GmbH to a German investor. Photon Energy will close its office in Berlin at the end of January and will continue servicing the German market from its base in Prague.

## 2. Proprietary PV plants.

The table below represents power plants owned directly or indirectly by Photon Energy N.V. as of the date of the reporting period.

**Table 1. Production results in December 2015**

Project name	Capacity	Prod. 2015 Dec.	Proj. 2015 Dec.	Perf.	YTD Prod.	YTD Proj.	Perf.	YoY
Unit	kWp	kWh	kWh	%	kWh	kWh	%	%
Komorovice	2,354	75,080	33,308	125.4%	2,460,450	2,311,760	6.4%	7.6%
Zvikov I	2,031	73,671	29,194	152.3%	2,135,646	2,026,147	5.4%	4.6%
Dolní Dvořiště	1,645	66,085	24,286	172.1%	1,677,199	1,685,587	-0.5%	2.6%
Svatoslav	1,231	29,382	18,037	62.9%	1,166,660	1,251,885	-6.8%	8.9%
Slavkov	1,159	22,367	17,177	30.2%	1,292,468	1,192,146	8.4%	4.7%
Mostkovice SPV 1	210	4,413	4,600	-4.1%	218,789	193,431	13.1%	6.6%
Mostkovice SPV 3	926	12,978	14,085	-7.9%	963,248	899,412	7.1%	6.3%
Zdice I	1,499	48,162	21,411	124.9%	1,713,782	1,474,338	16.2%	9.8%
Zdice II	1,499	48,583	21,411	126.9%	1,683,630	1,474,338	14.2%	9.0%
Radvanice	2,305	47,879	32,970	45.2%	2,483,719	2,288,241	8.5%	4.9%
Břeclav rooftop	137	3,161	3,322	-4.8%	157,806	133,763	18.0%	5.8%
<b>Total Czech PP</b>	<b>14,996</b>	<b>431,761</b>	<b>219,801</b>	<b>96.4%</b>	<b>15,953,397</b>	<b>14,931,048</b>	<b>6.8%</b>	<b>6.3%</b>
Babiná II	999	17,637	22,976	-23.2%	956,811	987,468	-3.1%	8.0%
Babina III	999	19,590	22,976	-14.7%	954,306	987,468	-3.4%	7.9%
Prša I.	999	14,643	17,234	-15.0%	1,069,644	982,278	8.9%	6.5%
Blatna	700	11,226	16,705	-32.8%	717,768	722,425	-0.6%	2.9%
Mokra Luka 1	963	25,148	27,850	-9.7%	1,173,550	1,029,187	14.0%	10.4%
Mokra Luka 2	963	26,488	27,850	-4.9%	1,186,672	1,029,187	15.3%	10.6%
Jovice 1	979	12,715	13,648	-6.8%	866,956	948,434	-8.6%	2.6%
Jovice 2	979	12,138	13,648	-11.1%	834,090	948,434	-12.1%	1.9%
Brestovec	850	21,099	21,356	-1.2%	1,011,942	863,684	17.2%	6.9%
Polianka	999	20,652	13,927	48.3%	983,955	970,793	1.4%	4.5%
Myjava	999	24,111	24,345	-1.0%	1,115,850	1,030,008	8.3%	4.6%
<b>Total Slovak PP</b>	<b>10,429</b>	<b>205,447</b>	<b>222,515</b>	<b>-7.7%</b>	<b>10,871,544</b>	<b>10,499,365</b>	<b>3.5%</b>	<b>6.3%</b>
Symonston	144	25,000	24,353	2.7%	189,810	186,900	1.6%	-1.0%
<b>Total Australian PP</b>	<b>144</b>	<b>25,000</b>	<b>24,353</b>	<b>2.7%</b>	<b>189,810</b>	<b>186,900</b>	<b>1.6%</b>	<b>-1.0%</b>
<b>Total</b>	<b>25,569</b>	<b>662,208</b>	<b>466,669</b>	<b>41.9%</b>	<b>27,014,751</b>	<b>25,617,313</b>	<b>5.5%</b>	<b>6.3%</b>

**Notes:**

Capacity: installed capacity of the power plant

Prod.: production in the reporting month

Proj.: projection in the reporting month

Perf.: performance of the power plant in reporting month i.e. (production in Month / projection for Month).

YTD Prod.: accumulated production year-to-date i.e. from January until the end of the reporting month.

YTD Proj.: accumulated projection year-to-date i.e. from January until the end of the reporting month.

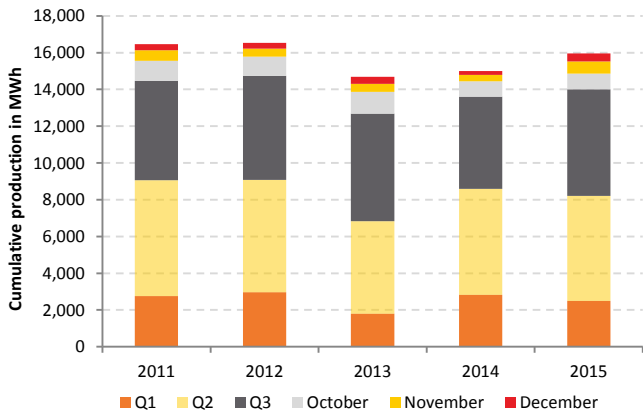
Perf. YTD: performance of the power plant year-to-date i.e. YTD prod. in 2015/ YTD proj. in 2015) – 1

YoY ratio: (YTD Prod. in 2015/ YTD Prod. in 2014) – 1.

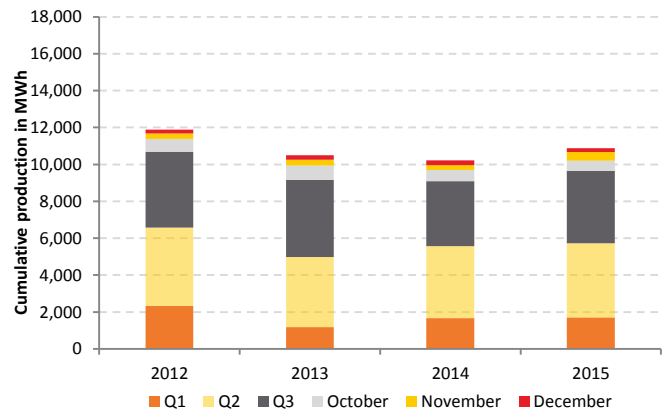
As the Group divested its two Italian plants located in Biella & in Verrone (overall capacity of 1.25 MWp) as of 1 April 2015, the corresponding production data are not presented in the table above.

As the Group divested its two German plants in Brandenburg & in Altentreptow (overall capacity of 0.23 MWp) as of 31 August 2015, the corresponding production data are not presented in the table above.

**Chart 1.a Cumulative production of the Czech portfolio YTD through the end of December**

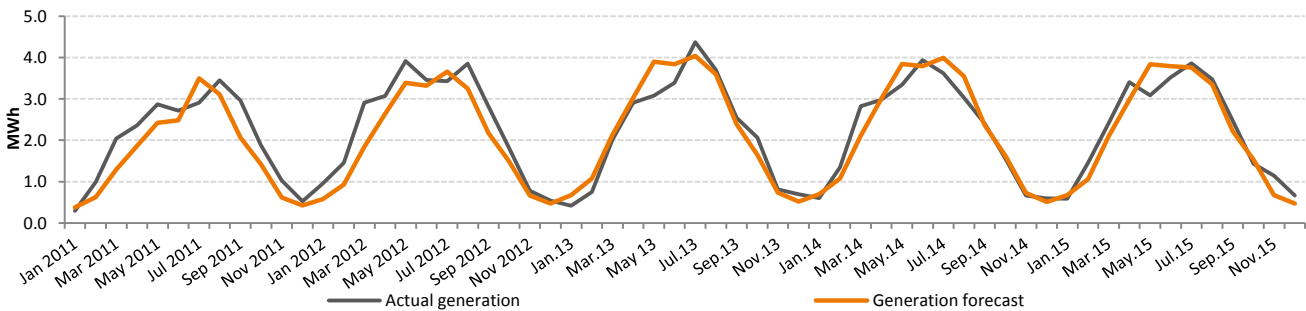


**Chart 1.b Cumulative production of the Slovak portfolio YTD through the end of December**

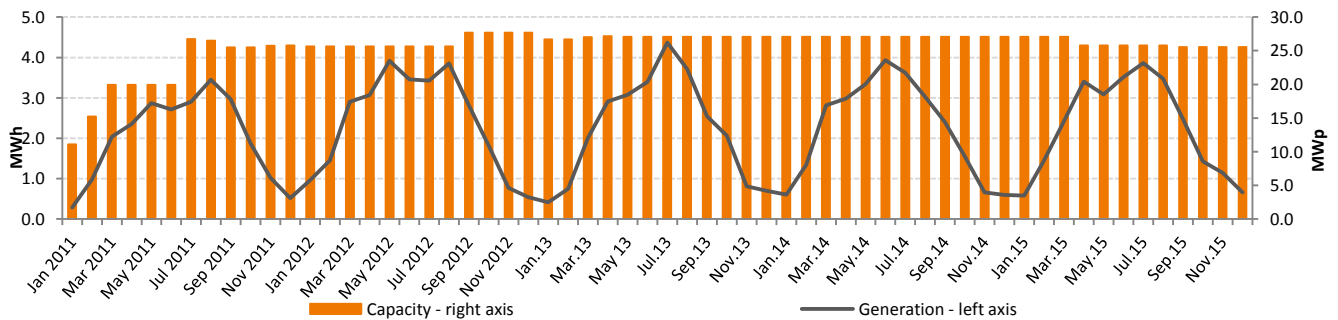


Note: In Slovakia, 7 plants out of 11 were connected to the grid during the course of the year 2011. The comparison with 2011 data is therefore not relevant.

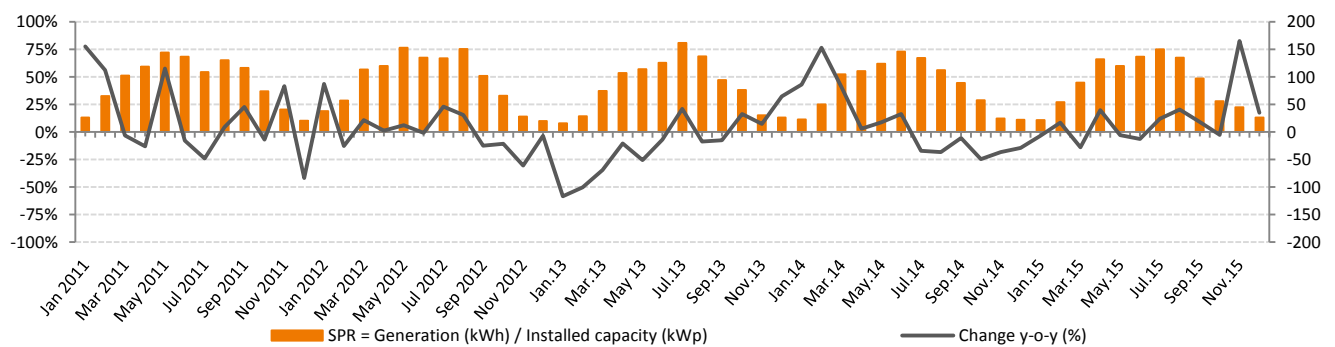
**Chart 2. Generation results versus forecast between 1 January 2011 and 31 December 2015**



**Chart 3. Generation results and capacity growth between January 2011 and December 2015**



**Chart 4. Specific Performance**



Specific Performance Ratio is a measure of efficiency which shows the amount of kWh generated per 1 kWp of installed capacity and enables the simple comparison of year-on-year results and seasonal fluctuations during the year.

In December 2015 following particularly favourable weather conditions the power plants in the Company's proprietary portfolio outperformed generation estimates by an outstanding 42% on average. Furthermore, the portfolio recorded an outperformance of approx. 5.5% against generation estimates YTD (up by 6.3% YOY YTD).

The best performance was recorded by power plants in the Czech Republic, which exceeded energy forecasts by an impres-

sive average of 96%. In contrast, the Slovak power plants performed 7.7% below expectations. The Australian plant came in 2.7% above expectations.

The portfolio has exceeded its 25,617 MWh full-year production estimate by 5.5%.

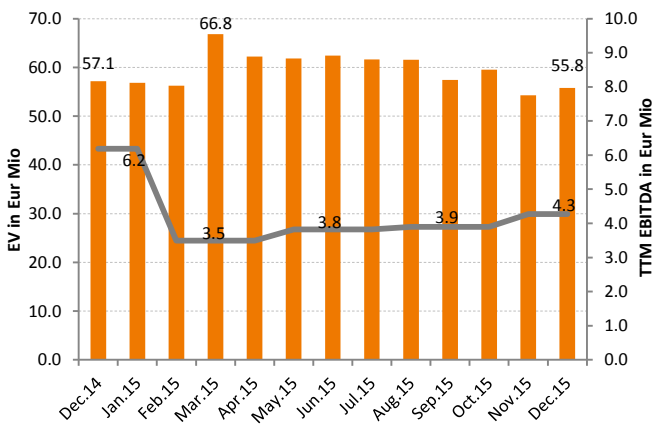
Specific performance in December increased by 17% YoY, to 26kWh/kWp.

### 3. Enterprise value & Share price performance.

On 31 December 2015, the share price closed at a price of PLN 0.78 (+16% MoM & +30% YoY), corresponding to a price to book ratio of 0.32x. The Company reports a monthly trading volume of 473,031 shares (-23% MoM). The Company has experienced an average monthly volume of 636,488 shares in 2015 compared to a monthly volume of 98,018 traded shares in 2014. In 2015, 7,637,856 shares were traded, i.e. 5.5 times more than the 1,176,210 shares traded in 2014.

On 4 June 2013 Photon Energy N.V. shares commenced trading on the NewConnect market at a price of PLN 2.00, after a share swap for the minority investors in the Czech predecessor company, originally listed on New Connect in 2008.

**Chart 5. Enterprise value vs. trailing 12 months (TTM) EBITDA**

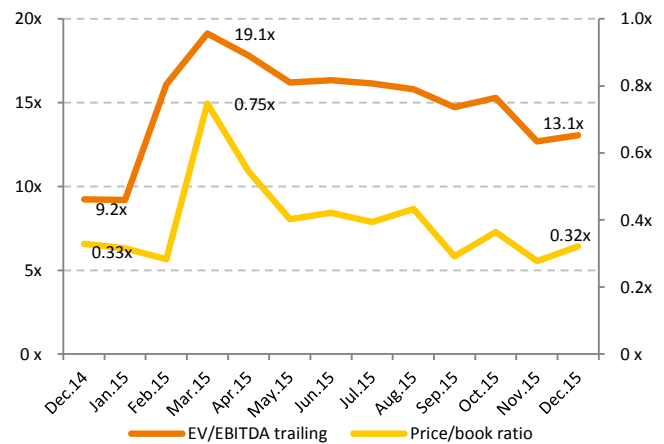


Notes:

EV – Enterprise value is calculated as the market capitalisation as of the end of the reporting month, plus debt, plus minority interest, minus cash. All the balance sheet data are taken from the last quarterly report.

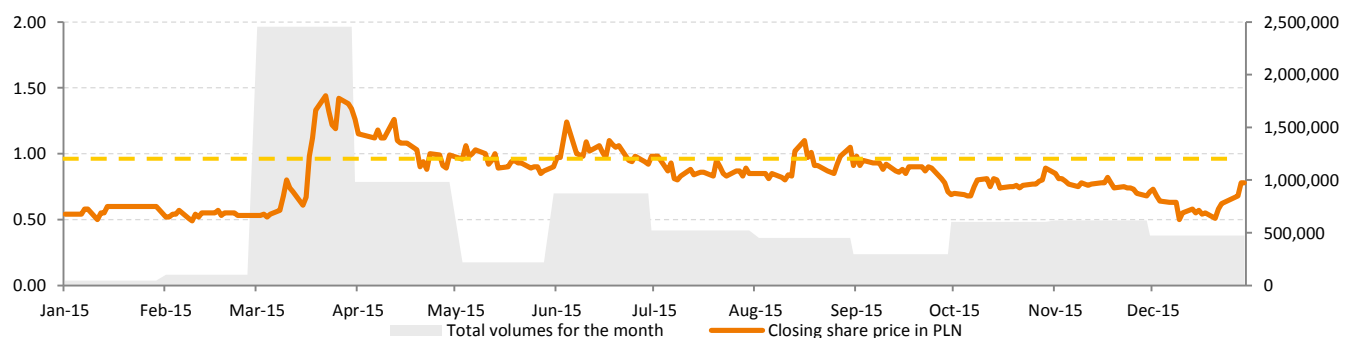
Trailing 12 months EBITDA – defined as the sum of EBITDA reported in the last four quarterly reports; i.e. in December, the sum of EBITDA reported in 2014 Q4 and 2015 Q1, Q2, Q3.

**Chart 6. Enterprise value / trailing 12 months EBITDA and price to book ratio**



Price/book ratio – is calculated by dividing the closing price of the stock as of the end of the reporting period by the book value per share reported in the latest quarterly report.

**Chart 7. Total monthly volumes vs. daily closing stock prices**

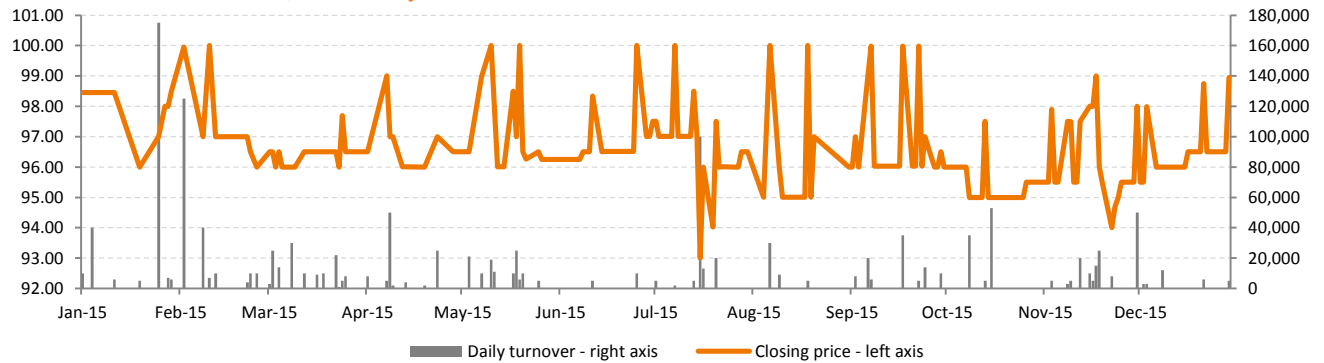


## 4. Bond trading performance.

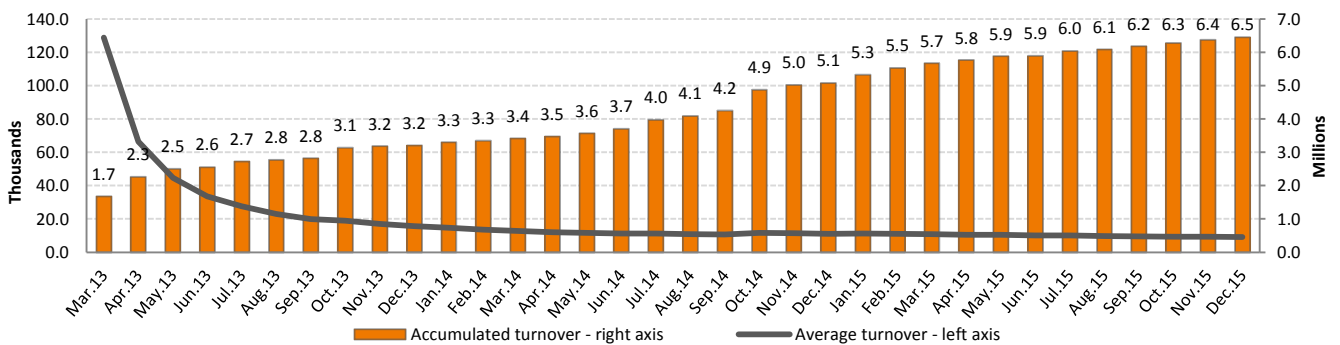
In March 2013 Photon Energy Investments N.V., at that time a fully-owned subsidiary of Photon Energy N.V., placed a 5-year corporate bond with an 8% annual coupon and quarterly coupon payments in Germany, Austria, the Czech Republic, Slovakia and Poland. Upon completion of the merger of Photon Energy N.V. and Photon Energy Investments N.V., Photon

Energy N.V. became the legal successor and assumed all obligations towards the bondholders of Photon Energy Investments NV. The bond is listed on the stock exchanges in Frankfurt, Berlin, Hamburg, Hannover and Vienna. Since listing the bond has been trading between 93% and 100.75%.

**Chart 8. The Company's bond trading on the Frankfurt Stock Exchange in Germany between 1 January 2015 and 31 December 2015, on a daily basis**



**Chart 9. Cumulative turnover and average turnover**



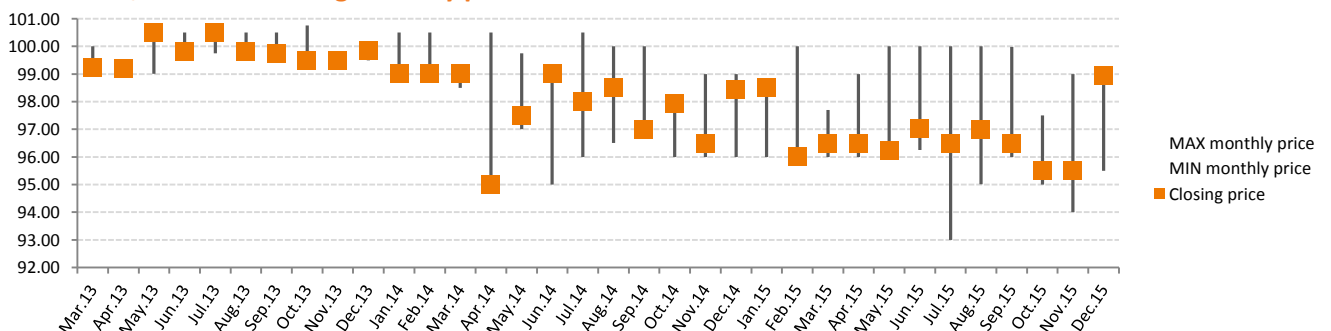
### Bond trading performance to date

In the trading period from 12 March 2013 until 31 December 2015 the trading volume amounted to EUR 6.450 Mio (nominal value) with an opening price of 100.00 and a closing price of 98.95. During this period the average daily turnover amounted to EUR 9,097.

### Bond trading performance in December 2015

In December 2015 the trading volume amounted to EUR 79,000 with an opening price of 95.50 and a closing price of 98.95. The average daily turnover amounted to EUR 3,950.

**Chart 10. MIN, MAX and closing monthly prices**





## 5. Summary of all information published by the Issuer as current reports for the period covered by the report.

In the period covered by this report the following current reports were published in the EBI (Electronic Database Information) system of Warsaw Stock Exchange:

- ▶ No.33/2015, published on 14 December 2015: Monthly report for November 2015.
- ▶ No.34/2015, published on 17 December 2015: Publication dates of periodic reports in 2016.
- ▶ No.35/2015, published on 22 December 2015: Photon Energy signs O&M contracts for 4.9 MWp in the Czech Republic.
- ▶ No.36/2015, published on 30 December 2015: Amendments to financing facility agreements.
- ▶ No.01/2016, published on 7 January 2016: Photon Energy sells its shares in Photon Energy Operations DE GmbH.

In the period covered by this report the following current report was published in the ESPI (Electronic Information Transmission System) system of Warsaw Stock Exchange: none.

## 6. Information how the capital raised in the private placement was used in the calendar month covered by the report. If any of the contributed capital was spent in the given month.

Not applicable.

## 7. Investors' calendar.

- ▶ 12 February 2016 Entity and consolidated quarterly reports for 2015 Q4
- ▶ 15 February 2016 Monthly report for January 2016
- ▶ 10 March 2016 Monthly report for February 2016
- ▶ 12 March 2016 Payment of bond coupon
- ▶ 12 April 2016 Monthly report for March 2016
- ▶ 09 May 2016 Entity and consolidated quarterly reports for 2016 Q1
- ▶ 11 May 2016 Monthly report for April 2016
- ▶ 20 May 2016 Annual report for 2015
- ▶ 10 June 2016 Monthly report for May 2016
- ▶ 12 June 2016 Payment of bond coupon
- ▶ 11 July 2016 Monthly report for June 2016
- ▶ 08 August 2016 Entity and consolidated quarterly reports for 2016 Q2
- ▶ 10 August 2016 Monthly report for July 2016
- ▶ 12 September 2016 Monthly report for August 2016
- ▶ 12 September 2016 Payment of bond coupon
- ▶ 12 October 2016 Monthly report for September 2016
- ▶ 07 November 2016 Entity and consolidated quarterly reports for 2016 Q3
- ▶ 10 November 2016 Monthly report for October 2016
- ▶ 12 December 2016 Monthly report for November 2016.

## 1 Investor relations contact.

Emeline Parry, Investor relations manager

Phone: +420 702 206 574

E-mail: [ir@photonenergy.com](mailto:ir@photonenergy.com)

Photon Energy N.V.

Barbara Strozziilaan 201

1083 HN Amsterdam

The Netherlands

Web: [www.photonenergy.com](http://www.photonenergy.com)

Amsterdam, 13 January 2016



Georg Hotar, Member of the Board of Directors



Michael Gartner, Member of the Board of Directors