### **MONITORING REPORT FOR 2010 – REV 0**

### Sreden Iskar Cascade HPPs Portfolio Project Date January 21<sup>st</sup>, 2011

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### **Background and Objectives of Monitoring Report**

According to paragraph 36 of the JI guidelines project participants "shall submit to an accredited independent entity a report in accordance with the monitoring plan on reductions in anthropogenic emissions by sources or enhancements of anthropogenic removals by sinks that have already occurred. The report shall be made publicly available."

The objective of the present monitoring report is to provide the complete, consistent, clear, and accurate calculation of the emissions reductions, within the boundaries of the Sreden Iskar Cascade Hydro Power Plants, for the period 1<sup>st</sup> January 2010 – 31<sup>st</sup> December 2010.

### **SECTION A.** General Project activity information

### **A.1.** Title of the <u>project</u>:

Sreden Iskar Cascade HPP Portfolio Project, September 2006 ("The Project"), Rev.1, dated 8 November 2006.

#### A.2. JI registration number:

The project reference number is 0063.

### A.3. Short description of the project activity:

The project envisages the establishment of nine Hydro Power Plants ("HPPs") on the river Iskar, about 40 km north of Sofia, with the overall objective to generate Emission Reduction Units ("ERUs"), reducing 370,970 tonnes of CO<sub>2</sub> equivalent in the period 2008 till 2012 (inclusive).

In year 2000, the Municipality of Svoghe carried out a feasibility study of the proposed HPPs. It attracted the interest of several energy companies that proposed to jointly develop the project with the city and in late 2003 the Municipality of Svoghe and Petrolvilla signed a Letter of Intent.

Based on the Memorandum of Understanding on co-operation between the Kingdom of the Netherlands and the Republic of Bulgaria in reducing emission of Greenhouse Gases ("GHGs") under article 6 of the KP the proposed JI portfolio project aims at reducing GHGs by replacing electricity generated from fossil fuel with electricity generated from renewable hydraulic energy sources. Here below the project parties including the Carbon Credit purchaser, and the Project owner.

Party Involved	Legal entity project participant (as applicable)	Party involved wishes to be considered as project participant (Yes/No)
Bulgaria (Host Party)	Vez Svoghe AD Boulevard Cristopher Columbus, 41 1592 Sofia, Bulgaria	No
Netherlands	EBRD (for the account of the Netherlands) One Exchange Square London EC2A 2JN, United Kingdom	No

**Table 1: Party involved** 

Project Design Document (PDD) including baseline and monitoring plan has been prepared by engineering consulting company MWH S.p.A.. The Letters of Approvals (LoA) have been

issued by the Ministry of the Environment of the Republic of Bulgaria on 01.08.2007 and by the designated focal point of the State of the Netherlands on 28.11.2007.

"Sreden Iskar Cascade Hydro Power Plants" project has been approved by a provisionally accredited independent entity (AIE) and has been granted final determination on 03.12.2007. PDD and Determination Report are available on the UNFCCC website under project reference number 0063.

### A.4. Monitoring period:

- Monitoring period starting date: 01/01/2010;
- Monitoring period closing date: 31/12/2010<sup>1</sup>.

### A.5. Methodology applied to the project activity (incl. version number)

### A.5.1. Baseline methodology:

The ACM0002 "Consolidated monitoring methodology for grid-connected electricity generation from renewable sources" version 07, sectoral scope 01, 30th November, 2007 has been used to identify the baseline scenario of the proposed JI project. This methodology also refers to the "Tool for calculation of emission factor for electricity systems".

### A.5.2. Monitoring methodology:

The ACM0002 "Consolidated monitoring methodology for grid-connected electricity generation from renewable sources" version 07, sectoral scope 01, 30th November, 2007 has been used to monitor the proposed JI project.

### A.6. Status of implementation including time table for major project parts:

The project will be implemented in three phases: (i) implementation of the first two HPPs; (ii) implementation of three more HPPs; and (iii) implementation of last four HPPs.

The location of the nine HPPs, the start construction dates according to the PDD and the dates on which the individual HPPs will become operational are reported in the table below. In 2009, Lakatnik and Svrazhen Hydro Power Plants were in operation.

Location	Start Construction date according to PDD	Commissioning Date according to PDD	Commissioning Date
Lakatnik	July 2006	June 2008	July 2008
Svrazhen	July 2006	June 2008	May 2009
Opletnia	July 2009	September 2010	Under construction
Levishte	July 2009	September 2010	Under construction
Gavrovnitsa	July 2009	September 2010	Under construction
Prokopanik	May 2010	June 2011	-
Tzerovo	May 2010	June 2011	-
Bov-Sud	May 2010	June 2011	-
Bov-Nord	May 2010	June 2011	-

<sup>&</sup>lt;sup>1</sup> Both days were included. Monitoring period includes time from 00:00 01/01/08 up to 24:00 31/12/08.

#### Table 2: Scheduling of the Portfolio activities

#### A.7. Intended deviations or revisions to the registered PDD:

Since the start of construction works the project time schedule has been modified (see Table 3). The latest time schedule and activities plan is quoted in the Detailed Investment Plan (DIP), a document Vez Svoghe has been requested to prepare by EBRD. The DIP, dated September 2010, follows the document "Industrial and Economic-Financial Plan in relation to the Construction of Nine Hydro-Electric Power Stations on the River Iskar in the Municipality of Svoghe in Bulgaria" prepared by Petrolvilla Group Energia e Ambiente and dated 18<sup>th</sup> May 2007.

According to this updated scheme, Phase II of the project consists of the construction of the hydropower stations of Opletnia, Tzerovo and Prokopanik, while Phase III will consists of the construction of the hydropower stations of Gavronitsa, Levishte, Bov-Sud and Bov-Nord.

For all the stations the construction works have been delayed if compared to the original plan quoted in the PDD.

In the following table the operating hydropower stations are marked in green, while the stations Opletnia, Tzerovo and Prokopanik are under construction.

Location	Start Construction date according to the DIP	Commissioning Date according to the DIP	Commissioning Date
Lakatnik	July 2006	June 2008	July 2008
Svrazhen	July 2006	June 2008	May 2009
Opletnia	April 2010	December 2012	Under construction
Tzerovo	April 2010	December 2012	Under construction
Prokopanik	April 2010	December 2012	Under construction
Gavrovnitsa	January 2013	June 2015	-
Levishte	January 2013	June 2015	-
Bov-Sud	January 2013	June 2015	-
Bov-Nord	January 2013	June 2015	-

Table 3: Updated scheduling of the Portfolio activities

# A.8. Intended deviations or revisions to the registered monitoring plan (Decision 17/CP.7, Annex H. paragraph 57 to be considered):

According to the Monitoring Plan checked and approved by DNV after the initial verification (3<sup>rd</sup> and 4<sup>th</sup> July 2008), "the electricity distributor send the read-off measurements to the engineer in charge of monitoring process who will verify the accuracy of the recorded energy data against the data recorded by SCADA System. Both values will be entered by the engineer in a special log book for that purpose on monthly basis (Annex II)". However, it must be observed that the electricity distributor does not send the read-off measurements to Vez Svoghe. The procedure is the following: a person responsible for Vez Svoghe and a person responsible for CES read together the commercial electricity meter installed at Lakatnik hydro power plant, and they countersign the reading which will be the electricity generation included in the invoice issued by Vez Svoghe to the Electricity provider.

#### A.9. Changes since last verification:

Since last verification, the following changes occurred:

- Two Internal Audits have been performed (FAR1 from the first periodic verification);
- The Audit Reports have been drafted (FAR1 from the first periodic verification).

In Table 4, Table 5Table 6 the corrective actions required by the DNV in the last verification are quoted. All of them have been accomplished during the year 2010. In Table 7 it is quoted the corrective action DNV has required Vez Svoghe.

CAR ID	Corrective action request	Response from project participants	DNV's assessment of response by Project Participants
CAR 1	The amount of electricity from 72 hours test, which was delivered to the grid, has to be included to calculation of emission reduction.	The revised monitoring report with included recalculation was provided by project owner.	A revised monitoring report was checked and DNV confirms that the emission reductions calculation is correct. The CAR is closed.

Table 4: Corrective action requests in the Verification Report for 2009

CAR ID	Corrective action request	Response from project participants	DNV's assessment of response by Project Participants
CL1	The validity of the emission factor have to be confirmed clearly for 2009 year from MoEW.	The confirmation of the validity for emission factor was obtained form Yasen Stoyanov from MoEW on 9 March 2010.	The e-mail clearly confirmed that the EF sourced from NEK study is still valid and it is applied for JI projects in Bulgaria. The CL is closed.
CL2	Vez Svoghe has to obtain information about ČEZ authorization of laboratory, which provided calibration of measurement devices.	The authorisation of the CEZ laboratory was sent to DNV as evidence.	The obtained authorization /17/ was issued on 7 March 2008 and it is valid for 5 years and covers all types of devices, which are used in this project. The CL is closed.

Table 5: Clarification requests in the Verification Report for 2009

FAR ID	Forward action request	Summary of how FAR has been addressed in this reporting period	Assessment of how FAR has been addressed
FAR 1	The formal appointment of internal auditor is pending and the internal audit of project was not conducted yet.	The audit will be executed during this year and the results will be included in the next monitoring report.	Audit was provided on 26 November 2009. The audit records were provided during the site visit and electronic copy is attached in monitoring report for this crediting period. The FAR is closed.

Table 6: Forward action requests for the 2010

FAR ID	Forward action request	Response from project participants
FAR 1	Vez Svoghe should clarify with ČEZ, how delivered electricity from plants will be calculated if ČEZ electricity meters break down. The paragraph in PPA /4/ does not contain the exact way of calculation. If the Vez Svoghe's meters will be used, the meters have to be calibrated (include calibration period setting).	The extract of par.V, art8 (3), (4) of PPA between Vez Svoghe and CEZ partially clarify the procedure in case of failure of meters (considered very improbable by CEZ): "If after the technical check-up there is wrong and/or inaccurate measuring and/or calculation of the quantities electrical energy, a report should be prepared for the quantities that were incorrectly measured and/or calculated electrical energy. No later than 5 days from the composition of the report under the previous paragraph Vez Svoghe shall issue debit (credit) notification for the difference between the recalculated and invoiced quantities electric energy on the basis of the findings of the electricity – distribution company, verified in the report which is integral part of the rectification document."

FAR ID	Forward action request	Response from project participants
		Since the articles do not fully clarify the issue, Vez Svoghe has been pushing CEZ to get a more proper clarification on that. However, Vez Svoghe is still waiting for an official answer from CEZ.

Table 7: Forward action request from the Verification Report to be performed in 2010

#### A.10. Person(s) responsible for the preparation and submission of the monitoring report

The person (s) responsible for the preparation and submission of the monitoring report are:

- · Vassil Shumanov, Vez Svoghe
- Dario Dilucia La Perna, Consultant MWH

SECTION B. <u>SECTION B.</u> Key monitoring activities according to the monitoring plan for the monitoring period stated in A.4.

#### **B.1.** Monitoring equipment types

The measuring devices are implemented in accordance with the official "Electricity Metering Rules" and comply with the technical and metrological requirements, defined by the "Regulation for Metering Devices". The devices have to undergo regular inspection and supervision under the "Metering Law" and the "Regulation for Metering Devices".

The commercial electric energy meter, owned by the Electricity Distributor (CES), records active energy delivered to the grid (Actaris mod. SL7000, code 3X57.7/100-3x240/415V 1(10)A)). The Vez Svoghe Company is not allowed to have access at the commercial electric energy meter. The commercial measuring meter is not connected to the SCADA system, and consequently is not monitored remotely. The public provider will pay close attention to the correct operation of the measurement devices and the correct measuring values

Further to the commercial electric energy meter, a static electric energy meter is installed in each Hydro Power Plant. It records the electricity generation only for verification purpose. The values recorded by the static electric energy meter are then transferred to the SCADA system (Monitoring System) in order to report the trend of the electricity generation. The electricity generation on SCADA system is different from the electricity generation booked by the Electricity Distributor (CES) because it includes auxiliary equipment of the plant whose electricity consumption is not paid by the Electricity Distributor.

#### **B.2.** Data collection (accumulated data for the whole monitoring period):

As the amount of electricity supply to the grid from the JI project is defined as the key activity to monitor for verification process, the main data collected during the monitoring period are the **electricity invoices** issued on monthly basis to the Electricity Distributor. The electronic copy of the invoices is stored into "<u>GHG emission reduction\Invoices</u>" folder. Production data history is also stored at Main Grid, the owner of measuring devices, in form of electricity sale invoices issued by Vez Svoghe. The information flow is described in "Monitoring Plan" document at § 2.4.2.

Further to the copy of electricity invoices, the "monitoring annual report" is generated and collected during the monitoring period.

#### **B.3.** Data processing and archiving:

A new folder called "GHG emission reduction" has been created into the SCADA server including all documents related to the Monitoring Process. In particular, the following documents are stored:

- Monitoring plan-pdf format;
- Annex I-excel format;
- Annex II-excel format;
- Annex IV-scanned copy;
- Invoices-pdf format;
- Audit Report-pdf format;
- Monitoring annual report-pdf format;
- Non-conformities registry-pdf format;

The folder is protected by password which is known only by the Chief operation & maintenance, and the engineer in charge of monitoring process. The "Monitoring process" folder is structured as follows:

- Sub-folder called "Monitoring plan" which includes the procedures, Annex I, and Annex II:
- Sub-folder called "Invoices" which gathers all the invoices sent to CES;
- Sub-folder called "Annual Report" which includes the "Monitoring annual report\_20xx", and:
- Sub-folder called "quality control and assurance procedures" which includes the training certificate of the auditor, "audit reports", and non-conformities registry.



Figure 1: Structure of the "GHG emission reduction" folder

All records are maintained in paper and electronic form until 2014 (during the crediting period plus two years) for JI project purposes.

### SECTION C. Quality assurance and quality control measures

#### C.1. Documented procedures and management plan

The "Monitoring Plan" is the most relevant document including all the procedures. It is stored in the SCADA server in the following folder: //GHG emission reduction/Monitoring Plan.

#### C.1.1. Roles and responsibilities:

The personnel involved in the Monitoring process and their responsibilities are the following:

- Shift operator of Sreden Iskar Cascade Hydro Power Plants: he is responsible to control
  the correct operation of the SCADA System and ensure the proper operation of the
  measurement instruments;
- Auditor: he is responsible to perform internal audit (he cannot be the same person who
  is charge of monitoring process);
- Engineer in charge of monitoring process: he is responsible to assess and validate the
  reliability and accuracy of the data recorded. Furthermore, he is responsible to calculate
  the total annual Emission Reductions (see Annex I), update the monthly document (see
  Annex II), and generate the "Monitoring Annual Report" on status of the yearly
  Monitoring plan progress. He has also to liaise with the Chief operation & maintenance
  about any non conformities.
- Chief operation & maintenance: responsible of the monitoring plan.

#### C.1.2. Trainings:

The internal auditor(s) have been trained by MWH in order to elaborate and plan the annual internal audit plan, execute the audits according to the approved plans, elaborate, submit and distribute pertinent reports, and supervise the implementation and fitting of amendment and preventive actions, if any.

#### C.2. Internal audits and control measures

The procedure of internal auditing and control measures is included in the "Monitoring Plan". This procedure has the purpose to describe the established system for the programming and execution of internal audits of the Monitoring Plan of Sreden Iskar Cascade Hydro Power Plants. The Internal Auditor must comply with the following requirements:

- He has to be trained by an Independent Company with proven expertise in developing PDD projects;
- He must be certified by an Independent Company as auditor (see Annex 5);
- He must have participated to at least one audit as observer:
- He can't be the same person involved in the monitoring process.

The internal audit for 2010 was performed two times: on 10<sup>th</sup> May 2010 and on 16<sup>th</sup> December 2010. Annex 6 includes the audit report drafted after the completion of internal audit process.

The audit plan for 2011 has not been defined yet. It is going to be set up within the end of March.

#### **SECTION D. Calculation of GHG emission reductions**

### **D.3.1. Project emissions**

Since the Project is a hydropower project; it does not give rise to direct GHG emissions. Therefore no formulae for calculation of direct emissions are provided here.

$$PEy = 0$$
;

#### **D.3.2.** Baseline emissions

Baseline emissions include only CO<sub>2</sub> emissions from electricity generation in fossil fuel fired power plants that are displaced due to the project activity, calculated as follows:

$$BE_v = (EG_v - EG_{baseline}) \times EF_{arid. CM. v}$$

Where

 $BE_v = Baseline emissions in year y (tCO<sub>2</sub>/yr).$ 

 $EG_v$  = Electricity supplied by the project activity to the grid (MWh).

 $EG_{baseline}$  = Baseline electricity supplied to the grid in the case of modified or retrofit facilities (MWh).

 $\mathsf{EF}_{\mathsf{grid},\mathsf{CM},\mathsf{y}} = \mathsf{Combined}$  margin  $\mathsf{CO}_2$  emission factor for grid connected power generation in year  $\mathsf{y}$ .

Being the Sreden Iskar Cascade Hydro Power Plants an installation of a new grid-connected hydro power plant, the methodology ("CBM") ACM0002 Version 07 assumes that all project electricity generation above baseline levels ( $EG_{baseline}$ ) would have otherwise been generated by the operation of grid-connected power plants and by the addition of new generation sources. As the project activity is the installation of a new grid-connected hydro power plant, the  $EG_{baseline}$  is equal to zero. Baseline emissions are calculated by the following formula:

$$BEy = \sum_{i=1}^{9} (EGyi \times EFyi);$$

### D.3.3. Leakage

The main emissions potentially giving rise to leakage (LE<sub>y</sub>) in the context of electric sector projects are emissions arising due to activities such as power plant construction, fuel handling (extraction, processing, and transport), and land inundation. Project participants do not need to consider these emission sources as leakage in applying the current methodology.

This project activity does not claim any credit for the project on account of reducing these emissions below the level of the baseline scenario.

$$Ly = 0$$

#### D.3.4. Summary of the emissions reductions during the monitoring period

Emission reductions are calculated as follows:

$$ERy = BEy - PEy - Ly = BEy = \sum_{i=1}^{9} (EGyi \times EFyi)$$

Joint Implementation Projects will very likely have an impact on the operation of an existing and new plant in the short term (marginal operating costs) as well as delay the implementation of a new plant in the longer term (marginal build costs). It will be possible to use a power sector model for forecasting of the build margin as well as of the operating margin.

According to the "Monitoring Plan", the emission factor adopted for the CO<sub>2</sub> emission reductions comes from the document "Baseline Study of Joint Implementation projects in the Bulgarian energy sector" that have been carried out by the NEK in 2005 and it should be updated annually. The methodology used for Baseline Determination is developed on the basis of merit order dispatch analysis. This methodology does not consider the build margin as described in ACM0002. However, in case of Bulgaria it is appropriate to only consider the operating margin, because the combined margin concept was developed for CDM projects in developing countries where electricity demand exceeds electricity supply, and a CDM project will thus also potentially displace the construction of new power plants (reflected by the build margin). This is not the case of Bulgaria. The methodology adopted by the Ministry of Bulgaria is included in Annex IV.

The Ministry of Bulgaria has formally confirmed that the above mentioned document is taken into account while evaluating the CO<sub>2</sub> emission factor for JI projects developed in Bulgaria.

According to the PDD, the grid emission factor is evaluated ex-post. It means that the emission factor ex-post is considered in case the Ministry of Bulgaria updates the above mentioned Document including the new and updated emission factors. Otherwise, it will be used the latest value officially published.

The last update of the document "Baseline Study of Joint Implementation projects in the Bulgarian energy sector" dates back 2005. The latest emission factor published by the NEK (May 5<sup>th</sup> 2005) has been considered since these values have been confirmed by the Ministry of Environment and Water (Annex 4).

Two analyses are performed by the NEK:

- 1. Baseline emission factor for all plants, including nuclear and hydro-power plants;
- 2. Baseline emission factor for generation plants, less Nuclear, Pumped-Storage and Hydro-Power Plants;

The first approach is too imprecise to analyze the reduction of CO<sub>2</sub> emissions in a Joint-Implementation Project, because the operation of nuclear power plants and, to less extent, the operation of the four large hydro-power cascades of the power system are not influenced by the implementation of such projects. The second analysis has been considered in the current Monitoring Report. The next table summarises the latest emission factors published by the NEK for two scenarios: minimum demand and maximum demand.

<sup>&</sup>lt;sup>2</sup> See Annex 3 and http://www.moew.government.bg/recent\_doc/climate/Baseline%20CEF%20Summary.pdf

Scenarios	UoM	2008	2009	2010	2011	2012
Scenario Stagnation – Minimum Demand	tC0 <sub>2</sub> /MWh	1.078	0.956	0.917	0.902	0.899
Scenario Prosperity - Maximum Demand	tC0 <sub>2</sub> /MWh	1.059	0.947	0.908	0.884	0.833

Table 8: Dispatch data adjusted operating margin emission factor (latest emission factors)

In order to be conservative the maximum demand scenario, which is resulting in lower carbon emission factors, has been considered (as in PDD calculations). The emission factor used to quantify the  $CO_2$  emission reduction is 0.908  $tCO_2$ /MWh. The table below summarise the achieved emission reductions in 2010.

Year	Hydro Power Plant	Annual energy generation <sup>3</sup> (MWh)	Carbon Emission Factor <sup>4</sup> (tCO2/MWh)	Amount of achieved emission reduction (tCO <sub>2</sub> )
2010	Lakatnik (Full year)	16,324		14,822
2010	Svrazhen (Full year)	17,037	0.908	15,470
Total	HPPs	33,361		30,292

Table 4: Achieved emission reductions in 2010

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<sup>&</sup>lt;sup>3</sup> See Annex 1, 2 and 3;

<sup>&</sup>lt;sup>4</sup> See Annex 4, 5;

### Annex 1

## Monthly invoices

## LAKATNIK

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## MARCH

Bey Capre OOD  VEZ SVOGHE OOD  Appec rp. Codyna, 6yn/Xpicrodyop Konyya6 Na41  Address Sofia, 41 Christopher Columbus Bivd.  Vigentin@emaynoneninosep no ADC / VAT indetfication nimber  B G 1 3 0 9 2 8 9 3 1	A A	apec fress in-triducial G 1 AKETH /	София, моненно 7   5 UIC/PIN	уп. "Г.С.Рако	T indetflication nir 8 2 7	Aug-
✓ ФАКТУРА / INVOICE         Номер           Дебитно известие / Debit note         Homep           Кредитно известие / Credit note         Number           Към фактура №         Дата на издаване:           То invoice №         Date of issuance	3/31/2010			сто на сделка ce of the deal	ата: България	
№ Наименование на стоките или услугите	Мярка	Колич	ество	Един. цена	Отстъпка	Стойност в BGN
Name of goods or services	Measure		intity	Unit price	Discount	Value BGN
Произведена електроенергия от МВЕЦ Лакатник	кВтч	-1,	138,203	0.199		226,502.40
за м. Март по отчетен протокол от 31.03.2010 Energy production from Lakatnik HPP for March 2010		-				
according to protocol from 31,03,2010		-	_		_	
according to protocol from 31,03,2010		_		_		
		_			_	
		_	-			
Основание за нупева ставка или неначисляване на ДДС:			-	Данъчна осно	a / Tax base	226,502.40
Legal ground for 0% VAT rate or nonapplication of VAT		Да	ељчна ст	авка ДДС %/		20%
Сповом всичко: двеста седемдесет и една хиляди осемстоти	н и два			Стойност н	а ДДС / VAT	45,300.48
лева и 68 стотинки	40.44	_				027.000.00
Say two hundred seventy one thousand eight hundre 0.88 BGN	ed and two	-			icur-ixo / Total	271,802.88
Словом сума за плащане :		- 0	ума за п	пащане / Аток	unit to the pland	271,802.88
Amount to be paid say						
Дата на данъчното събитие: 3.631/2010 г.  Date of the tax event	Payment Flo IBAN Bank iden	BG33UI	_	in cash	с преводно н bank transfer N1 BIC UNC	Account of the second
Съставил: Ппамен Дилков/ Plantier Union Prepared by (выем фомилия) (подоря (выем фомилия)	При банк	a:			АД, София, L , Sofia, branc	(У, офис Св. Неделя h Sv. Nedelia

### APRIL

Вец Своге ООД	ur	з ележтро бъ	DEAPWS AD		1/
VEZ SVOGHE OOD		Alli	UHO LO	los	AINY
Доставчик / Supplier Адрес гр. София, бул:Христофор Колумб №41	A.	рес София.	100	n / Recipient ecxu*Nx140	Mil
Address Solia, 41 Christopher Columbus Blvd.	Ac	Iress			7
Идентификационен номер по ДДС / VAT indetfication nimber В G 1 3 0 9 2 8 9 3 1		ентефикационен нох   G   1   7   5			rber
EMMETH / UIC/PIN 1   3   0   9   2   8   9   3   1	EV				
		Mac	то на сделк	та: България	
☐ Дебитно известие / Debit note Homep ☐ Кредитно известие / Credit note Number	0000000056	) Plac	ce of the deal		
Към фактура № Дата на издаване:	4/30/2010	r.			
To invoice No. Date of issuance № Наименование на стоките или услугите	Мярка	Количество	Един. цена	Отстыпка	Стойност в BGN
Name of goods or services.	Measure	Quantity	Unit price	Discount	Value BGN
Произведена електроенергия от МВЕЦ Лакатник за м.Април по отчетен протокол от 30.04.2010	кВтч	1,857,266	0.20009		371,620.
Energy production from Lakatnik HPP for April 2010			_		
according to protocol from 30.04.2010					
Основание за нулева ставка или неначисляване на ДДС:			40.500 U.S. S. D.	10200000	1000 000
		-	фанъчна основ	sa / Tax base	371,620.
Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко: четиристотин четиредесет и пет хиляди деве	тстотин	Данъчна ст	авка ДДС %/	Tax rate VAT a ДДС / VAT	74,324.0
четиредесет и четири лева и 42 стотинки			GTORMOGT P	a pago / Trit	74,024.
Say four hundred fourty five thousand nine hudrede f 0.42 BGN	orty four			Correco / Total	445,944.
Словом сума за плащане :		Сума за пл	ацане / Ато	ant to be paid	445,944
AND THE PLANE WHITE IT					
Amount to be paid say					
Дата на данъчното събитие: 4/30/2010	Плащане	п	в брой 🔽	с преводно на	enewa sue
Date of the tax event	Payment	_	in cash	bank transfer	
	Ro IBAN Bank Identi	BG33UNCR7630	010VZSVBGI	N1 BIC UNCE	RBGSF
	При банка		рит Булбанк	АЛ, София, Ц	У, офис Св. Неделя
Съставири Пламен Дилков/ Plamen (Sticky) Prepared by   —  —  —  —  —  —  —  —  —  —  —  —  —	Bank institu	Stem I believed	O March SP	Coffe beams	Sv. Nedela

### MAY

Bell Centre COD						D
Доставчени Увирейте достоя в углу Христофор Колуче Вент надарес гр. София, бул Христофор Колуче Вент надарес гр. София, бул Христофор Колуче Вент надарес гр. София, ул. Т. С. Раковски № 14 дарес об быть в раковски № 14 дарес об быть в раковски № 14 дарес об быть в раковски № 14 дарес об быть дарес об быт	Вец Своге ООД	ч	ЕЗ Е <b>Л</b> ЕКТРО	БЪЛГАРИЯ АД	1 0	/ /
Доставчени Увирейте достоя в углу Христофор Колуче Вент надарес гр. София, бул Христофор Колуче Вент надарес гр. София, бул Христофор Колуче Вент надарес гр. София, ул. Т. С. Раковски № 14 дарес об быть в раковски № 14 дарес об быть в раковски № 14 дарес об быть в раковски № 14 дарес об быть дарес об быт	VEZ SVOGHE OOD			amark	O A	11/7
Идентифинационенномер по ДВС / VAT indestication nimber   B G 1 3 0 9 2 8 9 3 1 1	Доставчик / Supplier Адрес гр. София, бул Христофор Колумб №41	10.00		Получат	en / Recipient	
Дебитно известие / Debit note	B G 1 3 0 9 2 8 9 3 1	B	G 1 7 UICA	5 1 3 3 N	8 2 7	mber
Дебитно известие / Debit note	☑ ΦΑΚΤΥΡΑ / INVOICE			Място на сделк	ата: България	4
Кым фактура № Дата на издаване: 5/31/2010 г.  № Наименование на стоките или услугите Мярка Мевсиге Осментру Unit price Discount Value BGN Произведена електроенергия от MBEL Лакатник КВТN 1,932,778 0,20009 386,729.55  за м.Май по отчетен протокоп от 31.05.2010 1.932,778 0,20009 386,729.55  Вам Май по отчетен протокоп от 31.05.2010 2.0009 386,729.55  Спетатур реобисбол from Lakatrisk HPP for May 2010 366,729.55  Основание за нупева ставка или неначисляване на ДДС: Данъчна основа / Так сезе 386,729.55  Сповом всичко: четиристотии выестдесет и четири хиляди седемдесет и пет лева и 46 стотники  КВТN 1,932,778 0,20009 386,729.55  Данъчна основа / Так сезе 386,729.55  Данъчна основа / Так сезе 386,729.55  Стойност на ДДС /% / Так гате VAT 20%  Сповом всичко: четиристотии выестдесет и четири хиляди седемдесет и пет лева и 46 стотники  КВТN 1,932,778 0,20009 386,729.55  Данъчна основа / Так сезе 386,729.55  Данъчна основа / Так сезе 386,729.55  Данъчна основа / Так сезе 386,729.55  Стойност на ДДС / VAT 77,345.91  Плащане: Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Стойност на ДДС / VAT 77,345.91  Плащане: Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Плащане: Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Плащане: Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Плащане: Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Ванъчна ставка ДДС / Так гате VAT 20%  Стойност на ДДС / VAT 77,345.91  Ванъчна ставка ДДС / VAT 77,345.91  Ванъчна ставка ДДС / VAT 77,345.91	-0. C	000000005	10 20			
To invoice No.  Date of issuance  Measure  Manuel of goods or services  Measure  M	□ Кредитно известие / Credit note Number					
Rame of goods or services Measure Country Unit price Discount Value BGN Произведена електроенергия от МВЕЦ Лакатник кВгч 1,932,778 0.2009 386,729.56  За м. Май по отчетен протокол от 31.05.2010 Елегду production from Lakatnik HPP for May 2010 ассоrding to protocol from 31.05.2010  Основание за нулева ставка или неначисляване на ДДС:  Данъчна основа / Так кизе 386,729.55  Данъчна ставка ДДС % / Так габе VAT 20% Сповом всичко: четиристотин шестдесет и четири хиляци седемдесет и пет лева и 46 стотинки боиг hundred sixty four thosand seventy five 0.46 BGN  Сповом сума за плащане:  Дата на данъчното събитие: 931/2010 г. Плащане: Раумеет по сабь боль тальбег по IBAN BG33UNCR763010VZSVBGN1 BIC UNCRBGSF Вали баны Били тальбег По IBAN BG33UNCR763010VZSVBGN1 BIC UNCRBGSF Вали баны Сумбана Уникредит Булбанк АД, София, ЦУ, офис Св. Неделя	The state of the s	5/31/2010	r.			
Произведена електроенергия от МВЕЦ Лакатник кВтч 1,932,778 0.20009 386,729.59  за м. Май по отчетен протокол от 31.05.2010  Електу ргофисion from Lakatnik HPP for May 2010  ассоrding to protocol from 31.05.2010  Основание за нулева ставка мли неначисляване на ДДС:  Данъчна основа / Так twise 386,729.55  Данъчна основа / Так twise 386,729.55  Данъчна ставка ДДС % / Так гаке VAT 20%  Словом всичко: четиристотии шестдесет и четири хиляди седемдесет и пет лева и 46 стотинки  биг hundred sixty four thosand seventy five 0.46 BGN  Словом сума за плащане:  Атосит to be paid say  Дата на данъчното събитие:  Осма за плащане / Атосит to be paid 464,075.46  Сума за плащане / Атосит to be paid 464,075.46  Плащане:  Раумеет Врой С преводно нареждане на дас и праводно нареждане на саба вой таковет по IBAN BG33UNCR763010VZSVBGN1 ВКС UNCRBGSF  Воли таковет По IBAN BG33UNCR763010VZSVBGN1 ВКС UNCRBGSF  Воли таковет По IBAN BG33UNCR763010VZSVBGN1 ВКС UNCRBGSF  Воли таковет По IBAN BG33UNCR763010VZSVBGN1 ВКС UNCRBGSF	Transmittation no crotaire inte yeavente	1.0001.0001.0001.000		mindage and address and		
За м. Мая по отчетен протокол от 31.05.2010  Energy production from Lakatnik HPP for May 2010  according to protocol from 31.05.2010  Основание за нулева ставка мли неначисляване на ДДС:  Данъчна основа / Так тиве  Данъчна основа / Так тиве  Данъчна основа / Так тиве  Данъчна ставка ДДС % / Так габе VAT  Сповом всичко:  метиристотии шестдесет и четири хиляци седемдесет и пет лева и 46 стотинки боиг hundred sixty four thosand seventy five 0.46 BGN  Словом сума за плащане:  Данъчна ставка ДДС % / Так габе VAT  Стойност на ДДС / VAT  Т7,345.91  Сума за плащане:  Данъчна основа / Так тиве  Сума за плащане:  Плащане:  В брой ✓ с преводно нареждане Раумеел  По ВАN В ВЗЗИОСПОТОТИТЕ В брой ✓ с преводно нареждане Раумеел  По ВАN В ВЗЗИОСПОТОТОТОТОТОТОТОТОТОТОТОТОТОТОТОТОТОТО	Произведена електроенергия от МВЕЦ Лакатник				Discount	The Control of Control
аccording to pretocol from 31.05.2010  Основание за нулева ставка или неначисляване на ДДС:  Данъчна основа / Тах бизе 386,729.55  Legal ground for 0% VAT газе от попаррісатіол оf VAT  Сповом всичко: метиристотин шестдесет и четири хиляци седемдесет и пет лева и 46 стотинки боиг hundred sixty four thosand seventy five 0.46 BGN  Словом сума за плащане:  Аточнт to be paid say  Дата на данъчното събитие:  Образовать по данъчно образовать в брой голеводно нареждане в брой голеводно на в брой голеводно на в брой голеводно нареждане в брой голеводно нареждане в брой голеводно нареждане в брой голеводно нареждане в брой голеводно на в брой гол		1-1				
Основание за нулева ставка или неначисляване на ДДС:    Данъчна основа / Так base   386,729.55     Legal ground for Offi VAT rate or nonapplication of VAT     Chosom всичко : четиристотии шестдесет и четири жиляци седемдесет и пет лева и 46 стотинки     Say   four hundred sixty four thosand seventy five 0.46 BGN     Chosom сума за плащане :     Amount to be paid say     Chosom сума за плащане :     Amount to be paid say     Chosom сума за плащане :     Cyma за плащане :     B брой   C преводно нареждане     Payment   In cash   bank transfer     Do IBAN   BG33UNCR763010VZSVBGN1     BNC UNCRBGSF     BNC UNCRBGS						
Данъчна основа / Так base 386,729.55  Legal ground for 0% VAT rate or nonapplication of VAT  Сповом всичко: четиристотин шестдесет и четири хиляди седемдесет и пет лева и 46 стотинки four hundred sixty four thosand seventy five 0.46 BGN  Словом сума за плащане: Сума за плащане: В брой № с преводно нареждане раумент боле битие: Озбатие: Озбат	according to protocal from 31.03.2010		_	-		
Данъчна основа / Так base 386,729.55  Legal ground for 0% VAT rate or nonapplication of VAT  Сповом всичко: четиристотин шестдесет и четири хиляди седемдесет и пет лева и 46 стотинки four hundred sixty four thosand seventy five 0.46 BGN  Словом сума за плащане: Сума за плащане: В брой № с преводно нареждане раумент боле битие: Озбатие: Озбат				+	_	
Сповом всичко: четиристотин шестдесет и четири хилоди седемдесет и пет лева и 46 стотинки боиг hundred sixty four thosand seventy five 0.46 BGN  Словом сума за плащане:  Аточно веря в брой головом сума за плащане:  Дата на данъчното събитие:  Отойност на ДДС / УАТ 77,345.91  Сума за плащане:  Сума за плащане:  В брой головодно нареждане в брой головодно нареждане в брой головом сума за плащане:  Раумент по вам в брой головодно нареждане в брой головодно на при при при брой головодно на при при при брой головодно на при				Данъчна осно	sa / Tax base	386,729.55
Say four hundred sixty four thosand seventy five 0.46 BGN Borveo / Total 464,075.46  Словом сума за плащане :  Аточно to be paid say  Дата на даньчното събитие:  Оточност на ДДС / VAT 77,345.91  Сума за плащане / Аточно to be paid 464,075.46  Сума за плащане / Аточно to be paid 464,075.46  Плащане:  В брой □ с преводно нареждане Раучност віт саєм bank transfer По IBAN BG33UNCR763010VZSVBGN1 BIC UNCRBGSF Валк конпейсцею При банка: Уникредит Булбанк АД, София, ЦУ, офис Св. Неделя			Данъчна	ставка ДДС %/	Tax rate VAT	20%
Say four hundred sixty four thosand seventy five 0.46 BGN Borveo / Total 464,075,46  Словом сума за плащане :  Аточнт to be paid say  Дата на даньчното събитие:  Дата н	The state of the second second in the sales with the con-	цемдесет		Стойност н	a DDC / VAT	77,345.91
Словом сума за плащане :  Аточнот to be paid say  Дата на данъчното събитие:  Оне of the fax event  Оне of the fax event  Оне об темперация		e BON	_			
Amount to be paid say  Дата на данъчното събитие:   — В брой  — с преводно нареждане  — Payment in cash bank transfer  — Плащане:  — Payment in cash bank transfer  — По IBAN BG33UNCR763010VZSVBGN1 ВКС UNCRBGSF  — В В ВС В ВС В В В В В В В В В В В В В	AIC POLL	) DGIN	Common			The state of the s
Дата на данъчното събитие:   ———————————————————————————————————	Словом сума за плащане :		Cywn 31	From Land Company	ark to be paid	404,075.46
Date of the tax event a opon by cheedand hapewgashe payment in cash bank transfer По IBAN BG33UNCR763010VZSVBGN1 BIC UNCRBGSF Bank identification При банка: Уникредит Булбанк АД. София, ЦУ, офис Св. Неделя	Amount to be paid say					
Съргавил: Пламен Дилков: Распел Оваст При банка: Уникредит Булбанк АД, София, ЦУ, офис Св. Неделя		Payment No IBAN	BG33UNCR7	in cash	bank transfer	140 M 2 C 0 2 C V
	Съргавил: Пламен Дилков/ Распел Dillier		Contract of the contract of th	sener Evelow	All Coduse !!	V advan Car Mana
	Frepared by (rese in dominant) (nograe) / (name) (signature)			edit Bulbank AD	Sofia, branch	Sv. Nedeša

### **JUNE**

Дат	в на даньчното с e of the tax event	ьбитие: 6/30	2010 f.		- 1 TO 10 TO		in cash	с преводно н bank transfer 11 BIC UNC!	
Cno	вом сума за плац	six 0.74 BGN цане :			C	ума за пл	защане / <i>Ато</i> с	int to be paid	433,326.7
Say		four hundred thirty three		ed twenty				сичко / Total	433,326.7
	эвом всичко :	четиристотин тридесет и шест лева и 74 стоти	и три хиляди триста	двадесет и	На	orna Ct		а ДДС / VAT	72,221
Lea	a) ground for 0% VA	Trate or nonapplication of V	AT .		Ла		авка ДДС %/		21
Осн	свание за нулева с	тавка или неначисляване і	на ддс:				Занъчна основ	sa / Tax base	361,105
		from Lakatnik HPP for Ju col from 30.06.2010	une 2010						
		тен протокол от 30.06.2						6	
	Произведена еле	эхтроенергия от МВЕЦ Л		кВтч		804,716	The second secon	1/100/00/11	361,105
No.	Наименован	ие на стоките или услуги Name of goods or service		Mapka Measure	Колич	ecteo noiv	Един, цена Unit price	Отстъпка Discount	Стойност в BGN Value BGN
	и фактура № invoice No.		Дата на издаване: Date of issuance	6/30/2010	)r.				
	Кредитно извес	тие / Credit note	Number		35				
	Дебитно извест		Номер	000000000	56		ce of the deal		
=	ΦΑΚΤΥΡΑ / INVO							ата: България	
EN#		9 2 8 9 3 1		J E	MKETH /	7 5 UIC/PIN	1 3 3	8 2 7	l l
Add	tress Sofia, 41 Chri	ул.Христофор Колумб Ni istopher Columbus Blvd. no ДДС / VAT indetfication nim			dpec			T indetification nin	
	Z SVOGHE OOD	Доставчик / Supplier			-0			n / Recipient	Muy /
-					CO EFFER	110	IAND	Cel	11115
Din	ц Своге ООД			1	C2 CREV	TOO 63	ЛГАРИЯ АД		

### **JULY**

4 Ceore OOД  2 SVOGHE OOD  Доставчик / Supplier  Pec rp. София, бул:Христофор Колумб Ne41  ress Sofia, 41 Christopher Columbus Blvd.  жинфикационен номер по ДДС / VAT indefication nimber  [G] 1 3 0 9 2 8 9 3 1 1	A	1,	lan	ДА РИЧАПП		
Доставчик / Supplier  нес гр. София, бул.Христофор Колумб Ne41  ress Sofia, 41 Christopher Columbus Blvd.  инфикационен номер по ДПС / VAT indetfication nimber  G 1 3 0 9 2 8 9 3 1          VETH / UIC/PIN		-		an ortal	1 2	Alle
ress Śofia, 41 Christopher Columbus Blvd пификационен номер по ДДС / VAT indetfication nimber - G   1   3   0   9   2   8   9   3   1				Получате	n / Recipient	1
G 1 3 0 9 2 8 9 3 1	A	Apec( dress	София,	ул. "Г.С.Рако	вски"№140	
3 0 9 2 8 9 3 1	[B	UK/ETH / U	7 5 JIC/PIN	мер по ДДС / VA 1   3   3   3   8   2		Yber
ΦΑΚΤΥΡΑ / INVOICE	10.000.000			то на сделка ce of the deal	эта: България	A
Дебитно известие / Debit note Homep  Кредитно известие / Credit note Number	000000006	59	FASIL	e or the dear		
г фактура № Дата на издаване:	7/31/2010	) г.				
nvoice No. Date of issuance	Мярка	Количе	orne I	Един, цена	Отстъпка	Стойност в BGN
Наименование на стоките или услугите  Name of goods or services	Measure	Quan	-5197	Unit price	Discount	Value BGN
Произведена електроенергия от МВЕЦ Лакатник	кВтч	1,5	35,310	0.20009		307,200.1
за м.Юпи по отчетен протокол от 31.07.2010 Energy production from Lakatnik HPP for July 2010		_	_		-	
according to protocol from 31.07.2010						
			- 5			
		_				
ование за нулева ставка или неначисляване на ДДС:			Д	јанъчна основ	a / Tax base	307,200.1
al ground for 0% VAT rate or nonapplication of VAT		Davi	DAMES OF	вака ДДС %/	Tax cata MAT	205
триста шестдесет и осем хиляди шестстотин г	и четиредесет		BAND CIT	serve ppp 10 70 F	TAK TARRE VAL	EV
вом всичко : лева и 22 стотинки				Стойност н	a ДДC / VAT	61,440.0
three hundred sixty eight thousand six hundred for	ourty			B	смчко / Total	368,640.2
0.22 BGN	22.19	Cyr	ма за пл	ащане / Атос	CONTRACTOR OF STREET	368,640.2
вом сума за плащане :						
ount to be paid say						
- CARLO OFF						
а на данъчното събитие 7/31/2010 г.	Плащане	1			с преводно на	ареждане
or of the tax event	Payment To IRAM	B/G 991 INI			bank transfer 11 BIC UNCE	DBOSE
The state of the s	Bank ident		011/000	104234001	II DIC CINCI	hoder
бавил — Rhasseн Дилкові Pfamen Ditkov	При банка Ваок Joseph				AД. София. Ц Sofia, branch	У, офис Св. Неделя

8 111548

#### **AUGUST**

e 20 /200

ЧЕЗ ЕЛЕКТРО БЪЛГАРИЯ АД Вец Своге ООД Mathoroles VEZ SVOGHE OOD Получател / Recipient Доставчик / Supplier Адрес гр. София, бул.Христофор Колумб №41
Address Sofia, 41 Christopher Columbus Blvd. София, ул. Т.С.Раковски №140 Advess Идентификационенномер по ДДС / VAT indestication nimber В | G | 1 | 7 | 5 | 1 | 3 | 3 | 8 | 2 | 7 | ЕИКИЕТН / UICIPIN Маектификационен номер по ДПС / VAT indetfication nimber В | G | 1 | 3 | 0 | 9 | 2 | 8 | 9 | 3 | 1 | ЕИКЕГН / UIC/PIN [1 3 0 9 2 8 9 3 1 1 7 5 1 3 3 8 2 7 1 ☑ ΦΑΚΤΥΡΑ / INVOICE Място на сделката: България Place of the deal 0000000062 □ Дебитно известие / Debit note Номер ☐ Кредитно известие / Credit note Number Кьм фактура № Дата на издаване: 31.8.2010 To invoice No. Date of issuance Наименование на стоките или услугите Мярка Един. цена Отстъпка Стойност в BGN Quantity 755 163 Name of goods or services
Произведена електроенергия от МВЕЦ Лакатник Unit price 0.20009 Measure Discount Value BGN 151 100.56 кВтч за м. Август по отчетен протокол от 31.08.2010 Energy production from HPP Lakatnik for August 2010 according to protocol from 31.08.2010 Основание за нулева ставка или неначисляване на ДДС: Даньчна основа / Tax base 151 100.56 20% 30 220.11 Legal ground for 0% VAT rate or nonapplication of VAT Даньчна ставка ДДС % / Tax rate VAT Словом всичко: сто осемдесет и една хиляди триста и двадесет лева Стойност на ДДС / VAT и 67 стотинки 181 320.67 Say one hundred eightyone thousand three hundred twenty 0.67 BGN Сума за плащане / Amount to be paid 181 320.67 Словом сума за плащане: Amount to be paid say 31.8.20 PRIC POLICE Плащане: 🗌 в брой 🕝 с преводно нареждане Дата на данъчното събитие: Date of the tax event in cash bank transfer GR763010VZSVBGN1 BIC UNCRBGSF TIO IBAN BOSSIN Bank identification Съставил: Пламен Дилков/Plamen Dilkog При банка: Уникредит Булбанк АД, София, ЦУ, офис Св. Неделя Prepared by (име и фамилия) (подлястира Back institution Unicredit Bulbank AD, Sofia, branch Sv. Nedella

### **SEPTEMBER**

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Beu Ceore OOD	l lu	3 E DEK	TPO BB	ПГАРИЯ АД		) //
	"	-O EJIEN	1 /	MINE FINITE	1.	11111
VEZ SVOGHE 000		1	Illi	allow	ul	AMOS
Доставчик / Supplier		-		Получате	n / Recipient	/ /
Адрес <u>гр. София, бул Христофор Колумб</u> №41	10.07	ipec	София.	ул. Г.С.Ракс	овски"№140	
Address Sofia, 41 Christopher Columbus Blvd.	A.	ress				L
Идентификационых немер по ДДС / VAT indetfication nimber В   G   1   3   0   9   2   8   9   3   1	E .	G 1	7 5 UIC/PIN	мр по ДДС / VA   1   3   3   3   8   2		ber
☑ ΦΑΚΤΥΡΑ / INVOICE			Ma	сто на слелк	ата: България	
□ Дебитно известие / Debit note Номер	000000006			ce of the dea		
	00000000		1.00	00 01 010 000		
□ Кредитно известие / Credit note Number						
Към фактура № Дата на издаване:	30.9.2010					
To invoice No. Date of issuance						
№ Наименование на стоките или услугите	Мярка	Колич		Един. цена	Отстыпка	Стойност в BGN
Name of goods or services	Measure		entity	Unit price	Discount	Value BGN
Произведена електроенергия от МВЕЦ Лакатник	яВтч		522 104	0.20009		104 467.7
за м. Септември по отчетен протокол от 30.09.2010		-				
Energy production from HPP Lakatnik for September 2010		-		2		
according to protocol from 30.09.2010		-				
		-				
		_			_	
Основание за нулева ставка или неначисляване на ДДС:			19	Данъчна осног	an / Tay hasa	104 467.7
IF NO STREET, THE STREET		_	-	цапачна основ	14 1 14 Coope	104 407.7
Legal ground for 0% VAT rate or nonapplication of VAT		Де	нъчна ст	авка ДДС %/	Tax rate VAT	201
Словом всичко: сто двадесет и пет хиляди триста шестдесят	и един лв.				а ДДС / VAT	20 893.5
и 35 стотинки				-		
Say one hundred twentyfive thousand three hundred	sixtyone BGN			8	сичко / Total	125 361.3
0.35 BGN		0	ума за го	пащане / Атгол	unt to be paid	125 361.3
Словом сума за плащане :						
Amount to be paid say						
Дата на данъчното събитие: 30.9.2010	Плашане		П	в брой 🔽	с преводно н	ареждане
Date of the tax event	Payment		_	in cash	bank transfer	and the same of
1 5 18 18 18	TIO IBAN	BG33UN	NCR763	010VZSVBGN	11 BIC UNC	RBGSF
E / E M 3	Bank identi					
Съставия: Пламен Дилков/ Plamen Dilkov/	При банка	ė.	Уникре,	цит Булбанк	АД, София, Ц	У, офис Св. Неделя
Propared by (име и фамилия) (подгиса / mame) (signature)	Bank Institu	tion	Unicred	it Bulbank AD	, Sofia, branch	Sv. Nedelia
C CIET MI	3					
(3)						
CA SIRIO VO						

### OCTOBER (first invoice)

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ou coole c	од		ЧE	з ЕЛЕКТРО/Б	БЛГАРИЯ АД	0.	10-1
EZ SVOGHI	E OOD		1117	N.	Warra	NO 108	AUIS
	Доставчик / Supplier		111 100			n / Recipient	7100/
	офия, бул.Христофор Колумб №41				я, ул. "Г.С.Рако	ески №140	
ddress Sofia	, 41 Christopher Columbus Blvd.		Adi	ress			/
B G 1 UI		Щ.	EN EN	G 1 7 K/EFH / UIC/PII		8 2 7	***
1 3 0	9 2 8 9 3 1		11	7 [ 3 [ 1 ]	3   3   8   2		
☑ ФАКТУР	A / INVOICE			01	Іясто на сделка		
□ Дебитио	известие / Debit note	Номер	0000000068	B   F	lace of the dea.		
□ Кредити	ю известие / Credit note	Number					
ъм фактура	ı Ne	Дата на издаване:	11.10.2010	r.			
o involce No		Date of issuance	- 15-12 IS				
наим	менование на стоките или услугите Name of goods or services		Мярка Measure	Количество Quantity	Един. цена Unit price	Отстъпка Discount	Стойност в BGN Value BGN
Произве	дена електроенергия от МВЕЦ Лак	этник	KBT4	398 4		Discount	79 724.06
за перио	да 01.10.2010-11.10.2010 по отчето						
11.10.20							
	roduction from HPP Lakatnik for the 10 according to protocol from 11.10.2				+	_	
11.10.20	to according to protocornium 11.10.2	3010			+	<del></del>	
		896A					
снование за	нулева ставка или неначисляване на	ддс:			Данъчна основ	a / Tax base	79 724.06
	for 0% VAT rate or nonapplication of VAT			Даньчна	ставка ДДС %/		20% 15 944.81
повом всич	ко: деветдесет и пет хиляди и 0.87 стотинки	шестстотин шестдес	ет и осем лв.		Стоиност н	a ДДС / VAT	15 944.81
lay	ninetyfive thousand six hur	dred sixtyeight BNG a	and 0.87	-	1	SCHNIKO / Total	95 668.87
2.0		,,,,		Сума за	плащане / Ато	THE RESERVE OF THE PERSON NAMED IN	95 668.87
повом сума	а за плащане :						
lymount to be j	paid say	2004	-	1			
	/9	30000				NAME OF THE OWNER	2500 2500 PM
јата на дант Jate of the tax	ьчното събитие:	100	Payment	- 1	_ в брой ☑ in cash	с преводно н bank transfer	ареждане
rate or the tax	SH SH	- N - 1	To IBAN	BG33UNCB7	3010VZSVBGI		RBGSE
	T 13	Section	Bank identif		00101201201	ti bio ono	ribooi
ъставил: 1	Пламен Дилков/ Plamen Drieny		При банка		едит Булбанк	АД, София, Ц	(У, офис Св. Неделя
repared by	(име и фамилия) (пожет длат	THE AND A	Bank Institu	tion Union	edit Bulbank AD	), Sofia, branc	h Sv. Nedelia
-	(a)	07/					
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						1	201
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							4552,0 301,10, C

Вец Ceore OOД  VEZ SVOGHE OOD  Доставчик / Supplier  Адрес гр. София, бул.Христофор Колумб №41  Address Sofia, 41 Christopher Columbus Blvd.  Идентификационенныма по ДДС / VAT metrication nimber	. Aa	pec	София	ул."Г.С.Рак		
[B G 1 3 0 9 2 8 9 3 1	B EN	G 1	7 5 JIC/PIN	1 3 3 3 3 8 2	J. St. 73	Der
✓ ФАКТУРА / INVOICE         Номер           Дебитно известие / Debit note         Homep           Кредитно известие / Credit note         Number           Към фактура №         Дата на издаване:           То invoice №.         Date of issuance	30.9.2010	5	0.00000	сто на сделк ce of the dea	эта: <u>Българи</u>	1
№ Наименование на стоките или услугите <i>Name of goods or services</i> Произведена електроенергия от MBELL Лакатник за м. Септември по отчетен протокол от 30.09.2010  Energy production from HPP Lakatnik for September 2010	Мярка <i>Measure</i> кВтч	Колич Оса		Един. цена Unit price 0.20009	Отстыпка Discount	Стойност в BGN Value BGN 104 467.79
according to protocol from 30.09.2010 Основание за нулева ставка или неначисляване на ДДС:				Занъчна осно	sa / Tay hase	104 467.78
Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко: сто двадесет и пет хиляди триста шестдесет	и един лв.	Да		авка ДДС %/		20%
и 35 стотинки Say one hundred twentyfive thousand three hundred 0.35 BGN Словом сума за плащане ;		Cy	ума за гл		сичко / Total	125 361.35 125 361.35
Amount to be paid say						
Дата на данъчното събитие: 30,9.2010  Date of the tax event	Плащане: Payment По IBAN Bank identifi		_	in cash	с преводно н bank transfer (1 BIC UNC)	2004723
Съставуит Пламен Диджов/ Plamen Dilkov Prapared by (име и фамилия) (педгист / mante) (signature)	При банка: Bank Institut				АД, София, Ц , Sofia, branch	У, офис Св. Неделя n Sv. Nedelia

N. 70 18/10

#### **OCTOBER** (second invoice)

ЧЕЗ ЕЛЕКТИЮ БЪЛГАРИЯ АД Вец Своге АД lattoroles VEZ SVOGHE AD Получател / Recipient ↓ Доставчик / Supplier Адрес гр. София, бул.Христофор Колумб №41 Address Sofia, 41 Christopher Columbus Blvd. София, ул. Г.С.Раковски Ne140 Адрес Идентификационен номер по ДДС / VAT indetification nimbe Идентификационен номер по ДДС / VAT indetification nimber EUIVERH / UIC/PIN EMIXERH / UIC/PIN 2 0 1 3 0 7 9 1 9 | 1 1 7 5 1 3 3 8 2 7 ☑ ΦΑΚΤΥΡΑ / INVOICE Място на сделката: България Place of the deal ☐ Дебитно известие / Debit note Номер 0000000001 ☐ Кредитно известие / Credit note Number Към фактура № Дата на издалане: 31.10.2010 To invoice No. Date of issuance Мярка Отстъпка Стойност в BGN Наименование на стоките или услугите Количество Един, цена Quantity 837 892 Unit price Discount Value BGN Name of goods or services Measure 167 653.81 Произведена електроенергия от МВЕЦ Лакатник за периода кВтч 0.20009 12.10.2010-31.10.2010 по отчетен протокол от 31.10.2010 Energy production from HPP Lakatnik for the period 12.10.2010-31.10.2010 according to protocol from 31.10.2010 Основание за нулева ставка или неначисляване на ДДС: 167 653.81 Данъчна основа / Tax base Legal ground for 0% VAT rate or nonapplication of VAT Данъчна ставка ДДС % / Tax rate VAT 20% Словом всичко: двеста и една хиляди сто осемдесет и четири лева и 0.57 Стойност на ДДС / VAT 33 530.76 201 184.57 two hundred and one thousand one hundred eightyfour BGN Say BOWNO / Total and 0.57 201 184.57 Сума за плащане / Amount to be paid Словом сума за плащане: двеста и една хиляди сто осемдесет и четири two hundred and offer Quanto one hundred eightyfour Amount to be paid say BGN and Дата на данъчното събитие: Плашане: 🔲 в брой 📝 с преводно нареждане Date of the tax event in cash TIO IBAN BG33UNCR763010VZSVBGN1 BIC UNCRBGSF Bank identification Уникредит Булбанк АД, София, ЦУ, офис Св. Неделя Unicredit Bulbank AD, Sofia, branch Sv. Nedelia Съставил: Пламен Дилков/ Ріадина При банка:

Bank institution

(ние и фанилия)

4M | 453210 100 | 301

### **NOVEMBER**

Вец Своге АД	46	3 EDEKT	РО БЪЈ	ПГАРИЯ АД		/ //
VEZ SVOGHE AD		All	outo	notes	1	MUT
Доставчик / Supplier Адрес гр. София, бул.Христофор Колумб №41 Address Sofia, 41 Christopher Columbus Blvd.	2022	pec	София.	Получате ул."Г.С.Рако	n / Recipient вски Nr140	100/
Идентификационенномер по ДВС / VAT indeffication nimber В   G   2   0   1   3   0   7   9   1   9	LB EM	G 1	7 5 UIC/PIN	ер по ДДС / VAT   1   3   3     3   8   2		ber
ФАКТУРА / INVOICE     Дебитно известие / Debit note	000000000	7		сто на сделка се of the dea	эта: <u>България</u>	
Кредитно известие / Credit note         Number           Към фактура №         Дата на издаване:           То invoice No.         Date of issuance	30.11.2010					
Na Haименование на стоките или услугите  Name of goods or services	Мярка Меаsure	Колич	7	Един. цена Unit price	Отстъпка Discount	Стойност в BGN Value BGN
Произведена електроенергия от МВЕЦ Лакатник за	кВтч	1	079 500	0.20009		215 997.1
м. Ноември по отчетен протокол от 30.11.2010 Energy production from HPP Lakatnik for November						
according to protocol from 30.11.2010						
Основание за нулева ставка или неначисляване на ДДС:			1	Данъчна осног	na / Tax base	215 997.1
Legal ground for 0% VAT rate or nonapplication of VAT		Да	ньина ст	авка ДДС %/	Tax rate VAT	209
Словом всичко: двеста петдесет и девет хиляди сто деветде	сет и шест лв.			Стойност н	а ДДС / VAT	43 199.4
0.59 Say two hundred fiftynine thousand one hundred nin-	etysiy BGN	_		- 0	сичко / Total	259 196.5
and 0.59	DIJOK DOIT	C	ума за пл	пащане / Ато	A CONTRACTOR OF THE PARTY OF TH	259 196.5
Словом сума за плащане: двеста петдесет и девет жиляди сто ј и шест лв. и 0.59 Amount to be paid say two hundred fiftynine thousand one hundred BGN and 0.59						
Дата на данъчното събитие: 30.11.2010 г.  Date of the tax event			30-770	in cash	с преводно н bank transfer N1 BIC UNC	
Съставил: Пламен Вилков/ Plamen Difficov/	Bank Mentil При банка Bank institu				АД, София, Ц ), Sofia, branch	У, офис Св. Неделя

### **DECEMBER**

Beu Cвоге АД VEZ SVOGHE AD	ЧE	3 ЕЛЕКТРО	р ст	ДА ВИЧАТ НО ДОСТ	Pol	Sul
Доставчик / Supplier Адвес гр. София, бул.Христофор Колумб №41 Address Sofia, 41 Christopher Columbus Blvd.		pec Co	фия, у		л / Recipient вски*№140	7
Идентификационенновер по ДДС / VAT indetfication nimber  В G 2 0 1 3 0 7 9 1 9 1 9  ЕИКЕГН / UIC/PIN  2 0 1 3 0 7 9 1 9 1	EM EM	G 1 7 KETH / UIC	/PIN		indestrication nin	nber
	0000000011			то на сдепка e of the deal	ата: <u>Българ</u> и	я
To invoice No.  Date of issuance  Na  Наименование на стоките или услугите Name of goods or services  Произведена електроенергия от МВЕЦ Лакатник за  м. Декември по отчетен протокоп от 31.12.2010  Energy production from HPP Lakatnik for December according to protocol from 31.12.2010	Мярка Measure кВтч	Количест Quantit	0.00	Един. цена <i>Unit price</i> 0.20009	Отстъпка Discount	Стойност в BGN Value BGN 364 884,9:
Основание за нупева ставка или неначисляване на ДДС:  Legal ground for 0% VAT rate or nonapplication of VAT		Данъч		вка ДДС %/	sa / Tax base Tax rate VAT	364 884,90 209
Сповом всичко: четиристотин тридесет и седем хиляди осемм шестдесет и един лв. и 0,90  Say four hundred thirty-seven thousand and eight he one BGN and 0,90  Сповом сума за плащане: четиристотин тридесет и седем хиля, шестдесет и един лв. и 0,90  Amount to be paid say four hundred thirty-seven thousand and eight	undred sixty-one ди осемстотин	Сума	a sa nna	8	а ДДС / VAT	72 976,90 437 861,90 437 961,90
sixty-one BGN and 0.90 Дата на данъчното събитие: 31.12.2010 г. Date of the fax event  Съставил: Пламен Дилков/ Plamen Dilkov Prepared by (име и фамилия) (подлик) / (пате) (signature)	Плащане:     Payment     По IBAN     Bank identifi     При банка:     Bank institut	cation Ун	й R76301 икреди	n cash IOVZSVBGN rт Булбанк		and and an
100 Sec. 100	ATTO NO.					

## **Monthly invoices**

## **SVRAZHEN**

### **JANUARY**

Вец Своге ООД	ч	ЕЗ ЕЛЕКТ	РО БЪЛ	ГАРИЯ АД		1. /
VEZ SVOGHE OOD		Al	las	tenol	es o	1407
Доставтчик / Supplier Адрес гр. София, бул:Христофор Колумб №41 Address Sofia, 41 Christopher Columbus Blvd.		gpec C dress	София, у		en / Recipient вски*№140	
Идентификационенномер по ДЭС / VAT indeffication number  В   G   1   3   0   9   2   8   9   3   1        ЕИКЕГН / UICIPIN  1   3   0   9   2   8   9   3   1	LB EI	G 1 UK/EFH / U	7 5 I	р по ДДС / VA 1   3   3   3   8   2		mber
☑ ΦΑΚΤΥΡΑ / INVOICE					ата: България	4
□ Дебитно известие / Debit note Homep □ Кредитно известие / Credit note Number Кым фактура № Дата на издаване: To invoice No. Date of issuance	1/31/2010		Place	of the deal		
№ Наименование на стоките или услугите  Name of goods or services	Mapka Measure	Количе Quan		дин. цена Unit price	Otorunia Discount	Стойност в BGN Value BGN
Произведена електроенергия от МВЕЦ Свражен	кВтч	-	87,348	0.199	DISCOUNC	375,582.2
за м.Януари по отчетен протокол от 31.1.2010 Energy production from Syrajen HPP for January 2010 according to protocol from 31.1.2010				77 (11,00)		
Основание за нулева ставка или неначисляване на ДДС:			Да	нъчна основ	sa / Tax base	375,582.2
Logal ground for 0% VAT rate or nonapplication of VAT CIOBION BON-NO : METMORICTOTIMUM INTERPRET WHIRLING HISCOCTIMUM		Дан	ъчна став		Tax rate VAT	20
Словом всичко: четиристотин и петдесет хиляди шестстотин осем лева и 70 стотинки	деветдесет и	_		Стойност н	a ДДC / VAT	75,116.4
Say four hundred fifty thousand six hundred eighty n	ine 0.70 BGN				ксичко / Total	450,698.7
Словом сума за плащане :		Cys	Ma sa nna	щане / Атог	unt to be paid	450,698.7
Amount to be paid say						
Дата на данъчното събитие: 1/31/2010 г.  Date of the fax event		BG33UNG	in	cash	с преводно н bank transfer 11 BIC UNC	750000000000000000000000000000000000000
Съставил: Пламен Пипкен Platineh Divicil Prepared by (ние и фанция) (правид / prambilishating) (1)	Валк ident При банка		/никреди	т Булбанк	АД, София, Ц	(У, офис Св. Неделя h Sv. Nedelia

### **FEBRUARY**

		- 1		a sa	- 1 A
Вец Своге ООД	ч	ЕЗ ЕЛЕКТРО	БЪЛГАРИЯ	49	11111
VEZ SVOGHE OOD		AU	ayono	Kes	AMI
Доставчик / Supplier Адрес гр. София, бул.Христофор Колумб №41		apec Co		ател / <i>Весіріей</i> вковски "№140	21
Address Sofia, 41 Christopher Columbus Blvd.		ress	рин, ул. 1.С.г	andocum Ner 140	
Идентификационен номер по ДПС / VAT indetflication nimber В	I B	G 1 7 WETH / UIC	5 1 3	VAT indetfloation 3   8   2   7   2   7	nimber
			Място на сде	лката: Българ	Ma
☐ Дебитно известие / Debit note Howep	000000004	7	Place of the o		Post .
Кредитно известие / Credit note     Number	A- 0100000000000000000000000000000000000				
Съм фактура № Дата на издаване:	2/28/2010	r.			
To invoice No. Date of issuance	A CONTRACTOR OF THE PARTY OF TH				
to the second se			-		
- I - I - I - I - I - I - I - I - I - I	Мярка	Количест			Стойност в BGN
Name of goods or services	Measure	Quantity	Unit pric	a Discount	Value BGN
Name of goods or services Произведена електроенергия от МВЕЦ Свражен за м. Февруари по отчетен протокол от 28.02.2010		TO STATE OF THE ST	Unit pric	a Discount	Value BGN
Name of goods or services Произведена електровнергия от MBELL Свражен за м. Февруари по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010	Measure	Quantity	Unit pric	a Discount	Value BGN
Name of goods or services Произведена електроенергия от МВЕЦ Свражен за м. Февруари по отчетен протокол от 28.02.2010	Measure	Quantity	Unit pric	a Discount	Value BGN
Name of goods or services Произведена електровнергия от МВЕЦ Свражен за м.Февруари по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010	Measure	Quantity	Unit pric	a Discount	Value BGN
Name of goods or services Произведена електроенергия от МВЕЦ Саражен за м.Февруары по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010 according to protocol from 28.02.2010	Measure	Quantity	Unit pric 815 0.1	a Discount	Value 8GN 292,095.
Name of goods or services Произведена електроенергия от МВЕЦ Серажен за м.Февруари по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка или меначисляване на ДДС:	Measure	Quantity 1,467	Unit pric	9 Discount 99 Hoes / Tax base	Value BGN 292,095.
Name of goods or services Произведена електроенергия от MBEU Серажен за м.Фееруари по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка или неначисляване на ДДС:	Measure кВтч	Quantity 1,467	Даньчна осна ставка ДДС	Discount	Value BGN 292,095.
Name of goods or services Произведена електроенергия от МВЕЦ Свражен за м.Февруари по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка или неначисляване на ДДС:  вера! ground for 0% VAT rate or nonapplication of VAT Словом всичко; триста и петдесет хиляди петстотин и четири пева и 23 стотинки	Меазиге кВтч инадесет	Quantity 1,467	Даньчна осна ставка ДДС	e Discount 99 нова / Тах base % / Тах rate VAT от на ДДС / VAT	Value BGN 292.095. 292.095. 292.095. 20 58,419.
Name of goods or services Произведена електроенергия от МВЕЦ Свражен за м. Февруари по отчетен протокол от 28.02.2010 Energy production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка или неначисляване на ДДС: Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко : триста и петдесет хигляди петстотин и четиру	Меазиге кВтч инадесет	Quantity 1,467	Данъчна ос Стойно	BOWNO / Total	Value BGN 292,095. 292,095. 292,095. 20 58,419.1 350,514.:
Name of goods of services Произведена електроенергия от MBELI Серажен за м.Февруари по отчетен протокол от 28.02.2010 Елегру production from Svrajen HPP for February 2010 according to protocol from 28.02.2010 Основание за нулева ставка мли неначисляване на ДДС: Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко; триста и петдесет хилляди петстотин и четири лева и 23 стотинки	Меазиге кВтч инадесет	Quantity 1,467	Данъчна ос Стойно	e Discount 99 нова / Тах base % / Тах rate VAT от на ДДС / VAT	Value BGN 292,095.
Name of goods or services Произведена електроенергия от MBEЦ Свражен за м.Февруари по отчетен протокол от 28.02.2010 Елегру production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка или меначисливане на ДДС:  Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко : триста и петдесет хиляди петстотин и четиру лева и 23 стотиния three hundred fifty thousand five hundred fourte Словом сума за плащане :  Атошля fo be paid say	Меазиге кВтч инадесет	Quantity 1,467	Данъчна ос Стойно	BOWNO / Total	Value BGN 292,095. 292,095. 292,095. 20 58,419.1 350,514.:
Name of goods or services Произведена електроенергия от MBEU Свражен за м. Февруари по отчетен протокол от 28.02.2010 Елегду production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка мли меначисляване на ДДС: Legal ground for 0% VAT rate от попарріксаtion of VAT Словом всичко ; триста и петдесет жиляди петстотин и четири лева и 23 стотинки three hundred fifty thousand five hundred fourte Словом сума за плащане :  Аттоилт to be paid say  Пата на данъчното събитие;	Меазиге кВтч инадесет	Quantity 1,467 Данъч	Данъчна со данъчна со ставка ДДС Стойно	BOWNO / Total	Value BGN 292,095. 292,095. 292,095. 20 58,419. 350,514.
Name of goods or services Произведена електроенергия от MBEU Свражен за м.Февруари по отчетен протокол от 28.02.2010 Елегру production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка мли неначисливане на ДДС:  Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко : триста и петдесет хиляди петстотин и четири лева и 23 стотинки three hundred fifty thousand five hundred fourte Словом сума за плащане :  Атмоилт to be paid say  Основание за данъчното събитие:	Меаsure кВтч инадесет еп 0.23 BGN	Данъч Сума	Даньчна ос ставка ДДС Стойно ав плацане / А	BONNO / Total BONNO / Total BONNO / Total BONNO / Total	Value BGN 292,095. 292,095. 292,095. 20,58,419. 350,514. 350,514.
Name of goods or services Произведена електроенергия от MBEU Свражен за м.Февруари по отчетен протокол от 28.02.2010 Елегру production from Svrajen HPP for February 2010 according to protocol from 28.02.2010  Основание за нулева ставка или неначисляване на ДДС: Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко: триста и петдесет хиляди петстотин и четири лева и 23 стотинки three hundred fifty thousand five hundred fourte Словом сума за гілащане: Аттоил fo be paid say  Дата на даньчното събитие:	Меаsure кВтч инадесет еп 0.23 BGN	Quantity 1,467  Даньч Сума	Даньчна ос ставка ДДС Стойно ав плацане / А	BOWNO / Total BOWNO / Total To be paid	Value BGN 292,095. 292,095. 292,095. 20,58,419. 350,514. 350,514.

### MARCH

Вец Caore ООД           VEZ SVOGHE COD           Доставчик / Supplier           Адрес гр. София, бул. Христофор Колумб №41           Аddress Sofia, 41 Christopher Columbus Blvd.           Идентификационен номер по ДДС / VAT indetification nimber           B G 1 3 0 9 2 8 9 3 1         BLKEFH / UIC/PIN           EUKEFH / UIC/PIN         1 3 0 9 2 8 9 3 1	As As B Es	-01.	Получате, ул. Т.С.Рако	T indetification nin	Tober
☑ ФАКТУРА / INVOICE         Номер           ☐ Дебитно известие / Debit note         Number           Към фактура №         Дата на издаване:           То invoice №         Date of issuance	000000004	9	сто на сделка ice of the deal	ата: <u>Българ</u> ия	1
№ Наименование на стоките или услугите	Мярка	Количество	Един. цена	Отстыпка	Стойност в BGN
Name of goods or services	Measure	Quantity	Unit price	Discount	Value BGN
Произведена електроенергия от МВЕЦ Свражен	кВтч	2,234,508	0.199	ē .	444,667.09
за м.Март по отчетен протокол от 31.03.2010					
Energy production from Svrajen HPP for March 2010	3				
according to protocol from 31.03.2010					
			_		
Основание за нулева ставка или неначисляване на ДДС:			Данъчна осно	na / Tax base	444,667.09
Legal ground for 0% VAT rate or nonapplication of VAT		Данучна с	тавка ДДС %/	Tax rate VAT	20%
Сповом всичко: петстотин тридесет и три хиляди шестстотин	лева и 51 ст.			а ДДС / VAT	88,933.42
				A 100 CO.	
Say five hundred thirty three thousand and six hundred	ed 0.51 BGN			Сичко / Total	533,600.51
•		Cywa sa n	лащане / Ато	unt to be paid	533,600.51
Amount to be paid say					
Дата на данъчното събитие: 3/31/2010 г. >> Date of the tax event	Payment Payment RollBAN Bank ident	BG33UNCR763	in cash	с преводно н bank transfer N1 BIC UNC	5000-1000-00-00-00-00-00-00-00-00-00-00-0
Съставия: Пламен Дилков/ Plamen Oitko	При банка Bank institu	с Уникре		АД, София, Ц ), Sofia, branct	(У, офис Св. Неделя h Sv. Nedelia

### **APRIL**

Вец Своге ООД	че	з еле <b>к</b> тер бъ	ПГАРИЯ АД	0	1
VEZ SVOGHE OOD		1010	HONO	la ,	21114
Доставчик / Supplier Адрес <u>гр. София, бул:Христофор Колумб №41</u> Address Sofia, 41 Christopher Columbus Blvd.		рес София	Попучате уп."Г.С.Ракс	л / Recipient ески*N±140	5
Идонтификационнон номер по ДДС / VAT indetrication nimber  В	EN	ентификационен ноя   G   1   7   5 К/ЕГН / UIC/PIN   7   5   1   3	1 3 3	8 2 7	ber 1
✓ ФАКТУРА / INVOICE       Дебитно известие / Debit note     Homep       Кредитно известие / Credit note     Number	000000005		сто на сделк се of the dea	эта: <u>България</u>	
Към фактура № Дата на издаване:	4/30/2010	r.			
To invoice No. Date of Issuance	- Marconton				
№ Наименование на стоките или услугите	Мярка	Количество	Един. цена	100000000000000000000000000000000000000	Стойност в BGN
Name of goods or services Произведена електроенергия от МВЕЦ Свражен	Меаsure кВтч	Quantity 2,120,507	Unit price 0.20009	Discount	Value BGN 424,292.
за м.Април по отчетен протокол от 30.04.2010	ND14	2,120,307	0.20009		424,282.
Energy production from Syrajen HPP for April 2010					
according to protocol from 30.04.2010	7	U 1			
		8 8			
Основание за нулева ставка или неначисляване на ДДС:			David ve a appro	an / Tay base	424 200
Основание за нулева ставка или неначисляване на ДДС:			Данъчна осно	sa / Tax base	424,292
Legal ground for 0% VAT rate or nonapplication of VAT	а и 70 стотинки		авка ДДС %/		20
Legal ground for 0% VAT rate or nonapplication of VAT Сповом всичко : петстотин и девет хиляди сто и петдеоет лев			авка ДДС %/	Tax rate VAT	424,292. 20 84,858.
Legal ground for 0% VAT rate or nonapplication of VAT Словом всичко : петстотин и девет хиляди сто и петдеоет лев		Даньчна с	авка ДДС % / Стойност н	Tax rate VAT а ДДС / VAT воичко / Total	20 84,858 509,150
Legal ground for 0% VAT rate or nonapplication of VAT Сповом всичко: петстотин и девет хиляди сто и петдесет лев Say five hundred nine thousand one hundred fifty 0.7		Даньчна с	авка ДДС % / Стойност н	Tax rate VAT а ДДС / VAT воичко / Total	21 84,858
Legal ground for 0% VAT rate or nonapplication of VAT Сповом всичко: петстотин и девет хиляди сто и петдеоет лев Say five hundred nine thousand one hundred fifty 0.7		Даньчна с	авка ДДС % / Стойност н	Tax rate VAT а ДДС / VAT воичко / Total	21 84,858 509,150
Legal ground for 0% VAT rate or nonapplication of VAT  Cповом всичко: петстотин и девет хиляди сто и петдеовт лев  Say five hundred nine thousand one hundred fifty 0.7  Сповом сума за плащане:		Даньчна с	авка ДДС % / Стойност н	Tax rate VAT а ДДС / VAT воичко / Total	2 84,858 509,150
		Даньчна с Сума за л ВG33UNCR763	в брой   в брой   п саsh  отохувар	Tax rate VAT  a DDC / VAT  content of Total and to be paid  conpessoned  conpessoned  conpessoned  thank transfer  thank transfer	2 84,858 509,150 509,150 вреждане

### MAY

Вец Своге ООД					
VEZ SVOGHE OOD	YE.	З ЕЛЕКТРО Б	LILARUS AD	4	AIII
Доставчик / Supplier Адрес гр. София, бул.Христофор Колумб №41 Address Sofia, 41 Christopher Columbus Bhd.	00.27	-0.	4.0	n / Recipient	may /
Мажнимфикационенномер по ДДС / VAT indestication nimber  В G 1 3 0 9 2 8 9 3 1	B	нтификационенн   G   1   7   К/ЕГН / UIC/PII   7   5   1	5 1 3 3	8 2 7	ber
☑ ФАКТУРА / INVOICE         Номер           ☐ Дебитно известие / Debit note         Homep           Кредитно известие / Credit note         Number           Към фактура №         Дата на издаване:	000000006	3_ P	ясто на сделк lace of the dea		ı
To invoice No. Date of issuance	5/31/2010	r.			
Ne Hаименование на стоките или услугите  Name of goods or services	Mярка Measure	Копичество Quantity	Един. цена <i>Unit price</i>	Отстъпка Discount	Стойност в BGN Value BGN
Произведена електроенергия от МВЕЦ Свражен за м. Май по отчетен протокоп от 31.05,2010	кВтч	1,347,31			269,583.46
Energy production from Svrajen HPP for May 2010 according to protocol from 31.05.2010					
Основание за нулява ставка или неначисляване на ДДС:			Даньчна осно	na / Tax hase	269,583.44
Legal ground for O'S VAT rate or nonapplication of VAT					
Сповом всичко : триста двадесет и три хиляди и петстотин ле	ва и 15 стотинк	Данъчна	ставка ДДС % / Стофисст и	Tax rate VAT	20% 53.916.69
			O TORRIOGE I	а ддел кил	03,916,60
Say three hundred twenty three thousand five hundre	ed 0.15 BGN			сичко / Total	323,500.15
Словом сума за плащане ;	1	Сума за	плащане / Ато	int to be paid	323,500.15
Amount to be paid say					
Дата на данъчното събитие: 5/31/2010 г.  Date of the tax event  Съставил: Пламен Дилков/ Planeto Dikov	Валк іделей: При банка:	BG33UNCR76 ation Уникр	in cash 3010VZSVBGN едит Булбанк і	АД, София, Ц	RBGSF V, oфис Cs. Неделя
Propared by (има и фазилие) (подуче) у салину (иргание)	Bank Institut		едит Булоанк dit Bulbank AD	-д, София, Ц , Sofia, branch	у, офис Св. Недел Sv. Nedelia

### **JUNE**

Вец Своге ООД  VEZ SVOGHE OOD  Доставчик / Supplier  Адрес гр. София, бул.Христофор Колумб №41  Address Sofia, 41 Christopher Columbus Blvd.  Идентификационен номер по ДВС / VAT indedication nimber  В   G   1   3   0   9   2   8   9   3   1    ЕИК/ЕГН / UIC/PIN	A A V	Дрес dress	София, онен ном 7 5 UICIPIN	yn."Г.С.Рако ep no ддс√ VAT	indestication rimb	\$ Alley
1 3 0 9 2 8 9 3 1	00000000	57	Ma		ата: България	
To invoice No. Date of issuance  No. Date of issuance  No. Date of issuance	Мярка	Копич	ество	Един. цена	Отстъпка	Стойност в BGN
Name of goods or services	Measure		intity 678,993	Unit price 0.20009	Discount	Valué BGN 335,949,7
sa м.Юни по отчетен протокол от 30.06.2010 Energy production from Syrajan HPP for June 2010 according to protocol from 30.06.2010						
Основание за нулева ставка или неначисляване на ДДС:				Данъчна осно	sa / Tax base	335,949.7
44 44 T 444 T		ns.	HENNER CO	авка ДДС %/	Tax rate VAT	209
Legal ground for 0% VAT rate or nonapplication of VAT  Chosom всичко: четиристотин и три хиляди сто тридесет и де  и 65 стотинки	вет лева				на ДДС / VAT	67,189.9
Say four hudred three thousand one hundred thirty n	ine 0.65 BGN				Sov-ko / Total	403,139.6 403,139.6
Сповом сума за плащане :  Аточит го бе ракі зау  Дата на даньчното събитие: 6/30/2010 г.	Планан			and the second second	с преводно н	
Date of the Jarrevent  Chotrasun: Chemien (humon) Plamen (Dilkoy)  Prepared by erest it desument (figures) (name) (signature)	Payment  Re IBAN  Bank ider  Tipu 6an  Bank inst	nification (a:	Уникре	<i>in cash</i> 010VZSVBG дит Булбанк lit Bulbank AE		У, офис Св. Неделя

### **JULY**

Вец Caore ООД  VEZ SVOGHE OOD  Доставчик / Supplier  Адрес гр. София, Бул.Христофор Колумб №41  Address Sofia, 41 Christopher Columbus Blvd.	,A	A	Ца	ГАРИЯ АД НОЛОЧ Попучате ул. Т. С. Ракс	n / Recipient	Aug
Идентификационен номер по ДСС / VAT indestication nimber  В   G   1   3   0   9   2   8   9   3   1              ЕИКЕГН / UICIPIN  1   3   0   9   2   8   9   3   1	B EV	G 1	7 5 UIC/PIN	ер по ДДС / VAT 1 3 3 3 3 8 2		ter
✓ ФАКТУРА / NVOICE         Номер           Дебитно известие / Debit note         Номер           Кредитно известие / Credit note         Number           Кым фактура №         Дата на издаване:           То invoice No.         Date of issuance	7/31/2010			то на сделк ce of the deal	вта: <u>Българ</u> ия	1
№ Наименование на стоките или услугите:	Мярка	Колич	7777	Един. цена		Стойност в BGN
Name of goods or services	Measure	Qua		Unit price	Discount	Value BGN
Произведена електроенергия от МВЕЦ Свражен	яВтч		791,784	0.20009		158,428.0
за м.Юли по отчетен протокол от 31.07.2010  Energy production from Syrajen HPP for July 2010		-	_		_	
according to protocol from 31.07.2010						
Основание за нулева ставка или неначисляване на ДДС:		ļ	Д	аньчна основ	a / Tax base	158,428.0
Legal ground for 0% VAT rate or nonapplication of VAT		Да	нъчна ста	века ДДС %/	Tax rate VAT	205
Словом всичко: сто и деветдесет хиляди сто и тринадесет лее и 67 стотинки	ваи				а ДДС / VA7	31,685.6
Say one hundred ninety thousand one hundred thirtee	en		Bov-ko / Total			190,113.6
0.67 BGN Словом сума за плащане :		0	wa sa nn	ащане / Атог	int to be paid	190,113.6
Amount to be paid say						
CALC !		_		2000 NW 1170-1		
Дата на данъчното събитие 7/81/2010 г. Date of the tax guent	Плащане: Payment По IBAN Bank identi			in cash	с преводно на bank transfer II BIC UNC	
Съставил: Пламен дипиом Plamen Diskov	При банка		Vuurnan	ит Булбанк і	In Codes II	У, офис Св. Неделя

## AUGUST

10/02 Cf u

Aq Ad Mar	pec	Получате ия, ул. Г.С. Рако номер по ДДС / VAT 5   1   3   3	BCKM*Nº140	Aud
000000006	7 5 1	3 3 8 2 Място на сделк	эта: България	А
Мярка	Количеств	200	Отстъпка	Стойност в BGN
			Discount	Value BGN 164 316,51
AD14	OL 1	0.20005		101010.01
-32// 3				
	5 77			
	-	-		
		Данъчна осно	ва / Tax base	164 316.51
	Данъч	а станка ЛДС %./	Tax rate VAT	20%
т и девет лв.	240.10			32 863.30
seventynine			THE RESERVE AND ADDRESS OF THE PARTY OF THE	197 179.81 197 179.81
	Сума	за плащане / Ато	uni 10 de paia [	197 179.0
Payment	1000	in cash	bank transfer	
	ication : Уни		АД, София, Ц	<u>Г</u> У, офис Св. Неделя
	Ag Ad Ad Ad Ad Ad Ad Ad BE EVEN TO A GENERAL TO BANK INCOME.	Agpec Cod Adress    Agpec   Adress	Адрес София, ул. "Г.С. Рако  Аdvess  Идентификационен номер по ДДС / VAI  В З 1 7 5 1 3 3 3  ЕИКЕГН / UIC/PIN  1 7 5 1 3 3 8 2  Място на сделки Ріасе of the dea  31.8.2010 г.  Мярка Количество Един. цена Инатиче Станту Unit price иВтч 821 213 0.20009  Данъчна осно  Данъчна осно  Данъчна осно  Сума за плащане: б саява Ворой У б саяв  По IBAN ВG33UNOA7632010VZSVBG  Валк identification	Данъчна основа / Тах лате VAT  Вечептупіпе  Данъчна основа / Тах лате VAT  Плящане:  В дань на ответа ддс % / Тах лате VAT  Сума за плящане / Атколт to be paid  Плящане:  В дань на оброй У с преводно верхня и деят дак и деят и деят дах и дах

### **SEPTEMBER**

Beu Ceore ООД  VEZ SVOGHE ООD  Доставчик / Supplier  Адрес гр. София, бул. Христофор Колумб №41  Address Sofia, 41 Christopher Columbus Bivd.	A <sub>4</sub>	ЧЕЗ ЕЛЕКТРО БЪЛГАРИЯ АД  ———————————————————————————————————						
Идентификационен намер по ДДС / VAT indetrication number  В   G   1   3   0   9   2   8   9   3   1              ЕИМЕГН / UIC/PIN  1   3   0   9   2   8   9   3   1	B Ev	G 1 7 NETH / UIC/P	5 1 3 3	8 2 7	ibe/			
✓ ФАКТУРА / INVOICE         Номер           Дебитно известие / Debit note         Номер           Кредитно известие / Credit note         Number           Кы фактура №         Дата на издаване:           То invoice №         Date of issuance	30.9.2010	6	facto на сделк Place of the dea		я			
NR Наименование на стоките или услугите	Мярка	Количество	Един. цена	Отстъпка	Стойност в BGN			
Name of goods or services Произведена електроенергия от МВЕЦ Свражен	Measure kBT4	Quantity	Unit price	Discount	Value BGN			
за м. Септември по отчетен протокол от 30.09.2010 Energy production from HPP Syrajon for September 2010 according to protocol from 30.09.2010		651.4	42 0.20009		130 347.0			
Осиование за нулева ставка или неначисляване на ДДС:			Даньчна осно	sa / Tax base	130.347.0			
Legal ground for 0% VAT rate or nonapplication of VAT		Continue	BBC N I	Tour same trace				
Словом всичко: сто петдесет и шест хиляди четиристотин и ц	естнадесет	даньчна	Стойност :	на ДДС / VAT	26 069.4			
лв. и 44 стотинки				777				
Say one hundred fiftysix thousand four hundred sixte 0.44 BGN	en BGN and	-		Bow-iko / Total	156.416.4			
Словом сума за плащане :		Cywa si	плащане / Атто	unt to be paid	156 416.4			
Amount to be paid say								
Дата на данычното събитие: 30:9:2010 г.  Date of the tax event  Състация: Опамен Дипков Plamen Olikov	Плащане: Payment По IBAN Bank identit При банка	BG33UNCR7	in cash 33010VZSVBG		E712/585-000			
Prepared by (Hee is deserting) (hopines) (incres) (algorithms)	Bank institu		ждит булоанк edit Bulbank Al					

# OCTOBER (first invoice)

ец Своге ООД	ч	ЕЗ ЕЛЕКТРУ Б	ългария ад	. 0.	1.1
EZ SVOGHE OOD		-/	llaire	rous	ALUS
Доставчик / Supplier дрес гр. София, бул.Христофор Колумб №41	A.	дрес Софи	получате ия, ул. Т.С.Рак	n / Recipient вски"№140	<i>J</i> . /
doress Sofia, 41 Christopher Columbus Blvd.	A	tress			
рентификационенномер по ДЛС / VAT indeffication nimber 3   G   1   3   0   9   2   8   9   3   1	1 8	рентифисационен и В   G   1   7	5 1 3 3		etser
// / / / / / / / / / / / / / / / / / /		ик/ЕГН / UKJ/PI   7   5   1		7 1 1	
☑ ΦAKTYPA / INVOICE			Аясто на сделк	ата: Българи	я
Дебитно известие / Debit note Номер	000000006	9 /	Place of the dea	1	30. 50
] Кредитно известие / Credit note Number					
ьм фактура № Дата на издаване: o invoice No. Date of issuance	11.10.2010	0r.			
Р Наименование на стоките или услугите	Мярка	Количество	Един. цена	Отстъпка	Стойност в BGN
Name of goods or services	Маазиге кВтч	Quantity 441 0	Unit price 14 0.20009	Discount	Value BGN 88 242.
Произведена електроенергия от МВЕЦ Свражен за периода 01.10.2010-11.10.2010 по отчетен протокол от	квтч	4410	14 0.20009	-	88 242.
The training of the country for the residence of the second secon					
11.10.2010					
Energy production from HPP Syrajen for the period 01.10.2010-					
Energy production from HPP Syrajen for the period 01.10.2010-			Данъчна осно	sa / Tax base	88 242.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010 снование за нулева ставка или ненечисляване на ДДС:		2			
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нулева ставка или неначисляване на ДДС:  signal ground for 0% VAT rate or nonapplication of VAT	ва и 0.99	Дангена	ставка ДДС % /		20
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нулева ставка или ненечисляване на ДДС:  ngal ground for 0% VAT rate or nonapplication of VAT		Дангчна	ставка ДДС % / Стайност	Tax rate VAT на ДДС / VAT	20 17 648.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нупева ставка или ненечисляване на ДДС:  вода! ground for 0% VAT rate or попардікатіол of VAT  повом всичко: сто и пет хипяди осемстотии и деветдесет ле  стотинки  or one hundred five thousand eight hundred and ni			ставка ДДС % / Стойност	Tax rate VAT на ДДС / VAT Всичко / Total	20 17 648. 105 890.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нупева ставка или неначисляване на ДДС:  веда! ground for 0% VAT rate or nonapplication of VAT  ловом всичко: сто и пет хиляди осемстотии и деветдесет ле  стотинки  опе hundred five thousand eight hundred and ni  0.99 BGN	nety BGN and		ставка ДДС % / Стайност	Tax rate VAT на ДДС / VAT Всичко / Total	88 242. 20 17 648. 105 890. 105 890.
Energy production from HPP Swrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нулева ставка или неначисияване на ДДС:  pgal ground for 0% VAT rate or nonapplication of VAT  ловом всичко: сто и пет хиляди осемстотин и деветдесет ле  стотинки  one hundred five thousand eight hundred and ni  0.99 BGN  ловом сума за плащане: сто и пет хиляди осемстотин и девет,  0.99	nety BGN and десет лева и		ставка ДДС % / Стойност	Tax rate VAT на ДДС / VAT Всичко / Total	20 17 648. 105 890.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  спорание за нупева ставка или ненечисиваеме на ДДС:  ведаl ground for 0% VAT rate or попаррікатіон of VAT  повом всичко: сто и пет хиляди осемстотин и деветдесет ле  стотинки  опе hundred five thousand eight hundred and ni  0.39 BGN  повом сума за плащане: сто и пет хиляди осемстотин и деветд  0.39  mount to be paid say one hundred five thousand eight hundred and	nety BGN and десет лева и		ставка ДДС % / Стойност	Tax rate VAT на ДДС / VAT Всичко / Total	20 17 648. 105 890.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нупева ставка или ненечисляване на ДДС:  ведаl ground for 0%. VAT rate or попаррікатіоп of VAT  зновом всичко : сто и пет хиляди осемстотин и деретдесет ле  стотинки  опе hundred five thousand eight hundred and ni  0.99 BGN  лювом сума за плащане : сто и пет хиляди осемстотин и девет,  0.99  mount to be paid say  one hundred five thousand eight hundred ar  BGN and 0.99 BGN	nety BGN and цесет лева и nd ninety	Сума за	ставка ДДС % / Стойност плащане / Атго	Tax rate VAT на ДДС / VAT Всичко / Total vont to be paid	20 17 648. 105 890. 105 890.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нупева ставка или ненечисляване на ДДС:  ведаl ground for 0% VAT rate or попардібатіол of VAT  повом всичко: сто и пет хиляди осемстотин и деветдесет ле  стотинки  опе hundred five thousand eight hundred and ni  0.99 BGN  повом сума за плащане: сто и пет хиляди осемстотин и деветд  0.99  опе hundred five thousand eight hundred are  BGN and 0.99 BGN	nety BGN and десет лева и	Сума за	ставка ДДС % / Стойност плащане / Атго	Tax rate VAT на ДДС / VAT Всичко / Total	2X 17 648. 105 890. 105 890.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  снование за нупева ставка или ненечисляване на ДДС:  ведаl ground for 0% VAT rate or попардібатіол of VAT  повом всичко: сто и пет хиляди осемстотин и деветдесет ле  стотинки  опе hundred five thousand eight hundred and ni  0.99 BGN  повом сума за плащане: сто и пет хиляди осемстотин и деветд  0.99  опе hundred five thousand eight hundred are  BGN and 0.99 BGN	nety BGN and gecer ness with displayment Payment No IBAN	Cywa si Bg33UNCR7	ставка ДДС % / Стайност плащане / Атто	Tax rate VAT  a DDC / VAT  Bourso / Total  unt to be paid  c npesogue o  bank transfer	2X 17 649. 105 890. 105 890.
Energy production from HPP Svrajen for the period 01.10.2010- 11.10.2010 according to protocol from 11.10.2010  сподание за нупева ставка или ненечисляване на ДДС:  врај ground for 0%. VAT rate от попаррікатіон of VAT  повом всичко: сто и пет хиляди осемстотин и деветдесет ле  стотинки  опе hundred five thousand eight hundred and ni  0.99 BGN  повом сума за плащане: сто и пет хиляди осемстотин и деветд  0.99  mount to be paid say one hundred five thousand eight hundred and	nety BGN and necet ness with ninety  Rnampanery	Cywa si Eggguncki	ставка ДДС %./ Стойност I плащане / Amo in cash 63010VZSVBG	Tax rate VAT на ддС / VAT Всичко / Total vort to be paid  с преводно в bank transfer N1 BIC UNC	2X 17 649. 105 890. 105 890.

# OCTOBER (second invoice)

1 1	All	пгария ад ИНОДО	lee .	AULG
0.7.079	рес София	Получате	п / Recipient вски"№140	7,201
Иде В ЕИІ	нгификационен ном G   1   7   5 VEГН / UIC/PIN	1 3 3	8 2 7	nber
5202503	Pla			1
Мярка Моленто	Количество Очелин	Един. цена Илт про	Отстъпка	Стойност в BGN Value BGN
яВтч	30.00 7.0	0.20009	Discount	194 879.0
		Панъчна основ	a / Tax base	194 879.0
	Данъчна ст	авка ДДС %/	Tax rate VAT	20°
тдесет и чети-				38 975.8
fiftyfour BGN		E	сичко / Tata/	233 854.8
тотин петдесет dred fiftyfour	Сума за п	пащане / Атоц	int to be paid	233 854.8
	BG33UNCR763	in cash	bank transfer	neckerous
	The state of the state of	it Bulbank AD	, Sofia, branci	h Sv. Nedella
		41	1 453	1200 ,
	Try Canka	Даньчна ст   Да	Адрес София, ул. "Г.С.Рако Adress  Идентификацио-янномее по ДДС / VAT B G 1 7 5 1 3 3 3 8 2 2 1 1 7 5 1 3 3 3 8 2 2 1 1 7 5 1 1 3 3 3 8 2 2 1 1 7 5 1 1 3 3 3 8 2 2 1 1 7 5 1 1 3 3 3 8 2 2 1 1 7 5 1 1 3 3 3 8 2 2 1 1 7 5 1 1 3 3 3 8 2 2 1 1 7 5 1 1 3 3 3 8 2 2 1 1 1 7 5 1 1 3 3 3 8 2 2 1 1 1 1 7 5 1 1 3 3 3 8 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Адрес София, ул. °Г. С. Раковски*№140  Advess    Идентификационан измер по ДДС / VAT indeffication rim   В   В   1   7   5   1   3   3   8   2   7

# **NOVEMBER**

Вец Своге АД	ЧE	з ЕЛЕКТРО В	ДА RN9АППТ		1.6
VEZ SVOGHE AD		1100	Herse	00 1	Alla in
Доставчик / Supplier		1	Получате	n / Recipient	7
Адрес гр. София, бул.Христофор Копумб №41			ия, ул. Г.С.Ракс	овски"№140	
Address Sofia, 41 Christopher Columbus Blvd.	Adi	ress			/
Идентификационен номер по ДЛС / VAT indetfication nimber	944	- made a constant of	номер по ДДС / VA	Cinata Mination size	-
B G 2 0 1 3 0 7 9 1 9			5   1   3   3		111/1
EUK/EFH / UIC/PIN	EN	K/EFH / UIC/PI	N		W 100 100 100
2 0 1 3 0 7 9 1 9	1	7 5 1	3 3 8 2	7	
☑ ΦΑΚΤΥΡΑ / INVOICE		100	STANK WISHINGS		
			Място на сделю Place of the dea	The second second second	1
☐ Дебитно известие / Debit note Homep	0000000000	3	Place of the dea	5	
Кредитно известие / Credit note     Number					
Към фактура № Дата на издаване:	30.11.2010	r.			
To invoice No. Date of issuance				7.00	u-remain yearon-
№ Наименование на стоките или услугите	Мярка	Количество	and and an in the same of	Отстъпка	Стойност в BGN
Name of goods or services Произведена електроенергия от МВЕЦ Свражен за	Measure KB19	Quantity 785 6	Unit price 0.20009	Discount	Value BGN 157 205.3
м. Ноември по отчетен протокол от 30.11.2010	ND14	760.0	0.20009		197 209.3
Energy production from HPP Syrajen for November					
according to protocol from 30.11.2010					
Основание за нулева ставка или неначисляване на ДДС:			Данъчна осно	na / Tay basa	157 205.3
ONE COLLEGE OF THE PROPERTY OF	-		даньчна осно	Bell / Yalk Dalser	101 200.0
Legal ground for 0% VAT rate or nonapplication of VAT		Данъчна	ставка ДДС %/	Tax rate VAT	209
Словом всичко: сто осемдесет и осем хипяди шестстотин чет	гиридесет и		Стойност н	о ДДС / VAT	31 441.0
шест гв. и 0.37					
Say one hundred eightyeight thousand six hundred f and 0.37	ortysix BGN	C-10 11	в плащане / <i>Ат</i> го	Всичко / Total	188 646.3 188 646.3
Словом сума за плащане: сто соемдесет и осем хиляди шестст	отин четипиле-	Cyme 3	а плащане г жию	uni io be pavo	100 040.3
сет и шест лв. и 0.37	ettis sattipinga				
Amount to be paid say one hundred eightyeight thousand six hundred	red fortysix				
BGN and 0.37	The second second				
Дата на данъчното събитие: 39.11.2010 г.	Плащане:		□ в брой 🔽	с преводно н	ареждане
Date of the tax event	Payment		in cash	bank transfer	
100			63010VZSVBGI	N1 BIC UNC	RBGSF
Съставил: Пламен Дилков Plamon Dilkov	Вапк identiti При банка:		nonur Euroform	All Coduc II	V oduo Co Herron
Prepared by (view in determine) / (name) (signature)	Bank institut		редит булбанк redit Bulbank AD		У, офис Св. Неделя b Sv. Nadalia
The state of the s	Digital Experience	Cities	CON DONOR IN PAL	- world, undirer	TOT. HUGUING

# **DECEMBER**

ец Своге АД	YE.	з електроубъ		0	
EZ SVOGHE AD  Доставчик / Supplier  дрес гр. София, бул. Христофор Колумб №41	Aa	- Gardina	Получате уп."Г.С.Рако	n / Recipient	Ally
ddress Sofia, 41 Christopher Columbus Blvd.  деклификационен номер по ДДС / VAT indetfication nimber  В   G   2   0   1   3   0   7   9   1   9            ИКЕГН / UIC/PIN 2   0   1   3   0   7   9   1   9	Аdv Иде В Еи	ess ктификационен ном G   1   7   5 VEГН / UIC/PIN 7   5   1   3	1 3 3	8 2 7	sber
ФАКТУРА / INVOICE  Дебитно известие / Debit note  Кредитно известие / Credit note  Митвег  Митвег  Митвег  Бит фактура № Дата на издаване:  О літойсе No.	31.12.2010	. Pla	сто на сделка ce of the deal	ята: <u>България</u>	9
Наименование на стохите или услугите     Name of goods or services     Произведена електроенертия от МВЕЦ Свражен за     М. Декември по отчетен протокол от 31.12.2010     Energy production from HPP Syrajen for December	Мярка Measure кВтч	Количество <i>Quantity</i> 1 835 793	Един. цена <i>Unit price</i> 0,20009	Отстъпка Discount	Стойност в BGN Value BGN 367 323,82
according to protocol from 31.12.2010  снование за нулева ставка или неначисляване на ДДС:			Данъчна основ	sa / Tax base	367 323,80
egal ground for 0% VAT rate or nonapplication of VAT повом всичко: четиристотин и четиридесет хиляди седемсто осемдесет и осем лв и 0.58	отин осемдесет	Даньчна ст	гавка ДДС % / Стойност н	Tax rate VAT e ДДС / VAT	20% 73 464,76
four hundred and forty thousand seven hundred BGN and 0.58 повом сума за плащане: четиристотин и четиридеоет хиляди с осемдесет и осем лв и 0.58 mount to be paid say four hundred and forty thousand seven hundred and 0.58	седемстотин		в пащане / Ато	сичко / Total unt to be paid	440 788,58 440 788,58
ата на данъмното събитие: 31.12.2010 г. ate of the tax event  ъставил: Дламен Дилков/ Plamen Dilkov  repared бу (мие и фашилия) (подпис) (прите)	Ппащане: Payment По IBAN Bank identifi При банка: Bank institut	BG33UNCR763 cation Уникре	in cash 010VZSVBGN дит Булбанк	ne se la recons	RBGSF [У, офис Св. Неделя

# **Annual electricity production**

anitarina Dian AN	INITY II	
ring PlanAN	INEX II	

Year	Hydro power plant	Lakatnik	Lakatnik	Note	Svrajhen	Svrajhen	Note
UoM	UoM	MWh	MWh		MWh	MWh	
	January		1,720			1,887	
	February		920			1,468	
	March		1,138			2,235	
	April		1,857			2,120	
	May		1,932			1,347	
2010	June		1,805			1,679	
20	July		1,535			792	
	August		755			821	
	September		522			651	
	October		1,236			1,415	
	November		1,080			786	
	December		1,824			1,836	
	TOTAL 2010		16,324			17,037	

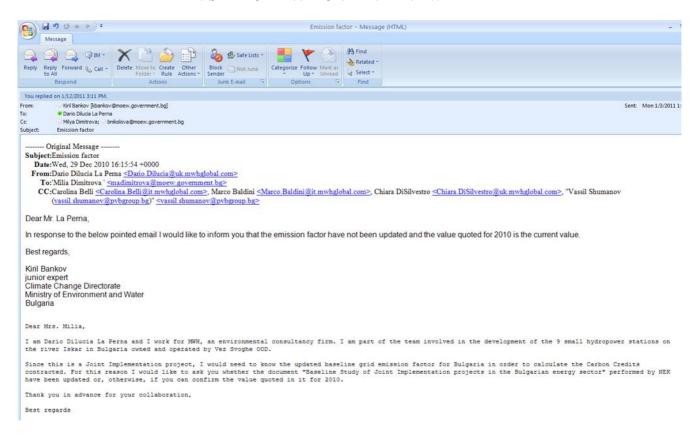
Monthly electricity production (from invoices)

# CO<sub>2</sub> Emission reduction calculations



ASELINE CALCULATION		2007	2008	2009	2010	2011	2012	
ectricity saved from the grid	MWh	0	0	7,922	17,037	0	0	Imported from Annex II
O <sub>2</sub> emissions from electricity production	tCO <sub>2</sub>	0	0	7,502	15,470	0	0	
Company: Vez Svoghe LTD: "Project Company" Reference: HPP Svrajhen								
Efficiency Measure: Establishment of Hydro power plant								
				Y	ear			
						2011	0040	
ROJECT EMISSIONS		2007	2008	2009	2010	2011	2012	
ROJECT EMISSIONS  nnual electricity production from the HPP	MWh	2007	2008	2009	2010	0	0	INUIE

# CONFIRMATION OF THE EMISSION FACTOR IN 2010 FROM THE BULGARIAN MINISTRY OF ENVIRONMENT AND WATER



# INDEPENDENT DOCUMENT OF THE MONITORING REPORT

Natsionalna elektricheska kompania
"Baseline study of joint implementation projects in the bulgarian energy sector"

Sofia

**Latest document - 05.05.2005** 

#### 1. Introduction

Bulgaria complies with the requirements of the UN Framework Convention on Climate Changes (UNFCCC) ratified by the Bulgarian Parliament in March 1995. Besides, the Parliament of the country ratified the Kyoto Protocol to the Convention on 17 July 2002. The Protocol was based on the ideas and principles set forth in it and develop them further adding new obligations, larger in scope and detail than those in the Convention.

According to Art. 6 of the Kyoto Protocol, in order to perform its obligations for emission reduction and limitation, each of the countries listed in Annex 1 may transfer to another country on the list, or receive from it, emission reduction limits obtained as a result of projects for reduction of anthropogeneous emissions of greenhouse gases by sources. In practice, such projects are mostly implemented in countries with economies in the process of transition where there are more opportunities for emission reduction, and at a lower cost. The amounts of Emission Reduction Units achieved as results of the project may be bought by a developed country for the purpose of keeping its obligation under the Protocol.

In Bulgaria, joint implementation of projects is viewed as an economically acceptable way of reducing the emissions of anthropogeneous greenhouse gases and receiving, at the same time, financial, economic, technical assistance and expertise.

In order to start work by the so-called "flexible mechanism" under the Kyoto Protocol – Joint implementation (JP) Projects – a bilateral agreement has to be signed between the Government of Bulgaria and another developed country or an international fund for protection of the environment.

So far, bilateral Memoranda of Understanding and Bilateral Cooperation for implementation of JP Projects have been signed with the Kingdom of Netherlands, the Republic of Austria, the Kingdom of Denmark and EBRD in the latter's capacity of trustee of a Prototype Carbon Fund.

#### 2. Purpose of the Study

The purpose of the present assignment is to carry out a study in order to define the Baseline scenarios of the Bulgarian Electricity Power System and calculate the annual Basic Carbon Emission Factor (BCEF) of the Baseline in the process of operation of the electric power sector.

#### 3. Introduction to the Baseline Study

The most important part of the preparation for a greenhouse gas reduction project is the Baseline Study. It should define, in a transparent and comprehensive manner, what rate of CO reduction and related financing can be expected. Besides, the Baseline defines and provides the methodology of assessing which of several possible developments is the most probable in the absence of the project and what emissions would be generated by that scenario.

The Marrakesh Accords (the decisions of COP7 in Marrakesh in November 2001) constitute the central guidance as far as documents required by COP for climate protection projects are concerned.

According to the Marrakesh Accords, the Baseline shall meet the following more significant requirements:

1. To be transparent in terms of assumptions, method, project boundary, parameters, data sources, key factors and Additionality;

- 2. To account of important national and industrial policy measures and circumstances such as sector-related reforms, availability of indigenous fuels, plans for expansion of the electric power sector, and economic situation in the sector;
- 3. To be formed in such a manner that it would be impossible to generate ERUs and CERs for reduction of activities beyond the project boundary on the basis of Force Majeure events;
- 4. To be project-based or standard oriented;
- 5. To take data uncertainty into account. The assumptions shall be selected conservatively.

It means that the assumptions as to calculations in the event of hesitation (data range, data uncertainty, etc.) shall be selected in such a manner that the resulting total Baseline emissions would be low rather than high. As a result of that, the calculated emission reduction is underestimated rather than overestimated and is, therefore, more stable with respect to data status variations or with respect to criticism from outside. That increases the probability for the Baseline to be accepted by the validator and by the stakeholders.

- 6. Besides, the Baseline selection shall be substantiated.
- 7. There is a restriction upon the choice of a Baseline composition method for projects under CDM, but not for <sub>3</sub>JI projects. The following three Baseline approaches are possible only:
- a) "historical or existing emissions"

That generally well sustained wording probably leaves room for all substantial Baseline methods because, in principle, every method can be supported by the argument that, directly or indirectly, it rests on historical or existing emissions.

b) "emission of a technology that, due to obstacles before investments, is an economically attractive alternative"

Practically, the purpose of that wording could be to extend the investment analysis method – an economically attractive alternative.

c) "the mean percentage of emissions from comparable project activities during the last five years implemented in similar social, economic, environmental and technological conditions, the project activities of which belong to the best 20% in their category".

That last requirement may be interpreted to mean that JI/CDM projects should not lead to implementation of outdated technologies or used equipment, but to technological and social progress, that is, to sustainable development in the countries where they are implemented.

Beside these official requirements of the Marrakesh Accords, theoretically there are no other substantial directions restricting the Baseline development. This is to emphasize that, in the development of a Baseline, the question "What would happen to the system and its emissions if no financial resources came from Carbon Credit sales" has priority over adherence to preset criteria.

Although, in principle, individual routes may be chosen to the implementation of that task, the previous experience offers several already proven methodological approaches that should be favoured. Other routes should be chosen only where there are special reasons for that and where they are, respectively, adduced intelligibly by the author of the Baseline. Method selection depends on the type of project, the data status, the preferences of Carbon Credit buyers, resp. the parties to the Contract, the Baseline author's experience, etc.

#### 4. Methodological Approaches to Baseline Determination

The Baseline Determination Methodologies fall into two broad categories – project-specific approaches and multi-project approaches.

## 1) Project-Specific Baseline

#### a) Reference Group

From the point of view of a project specific Baseline, it is often emphasized that the type of project, its size and availability of data are the main factors that determine the choice of Baseline methodology.

The Reference Group approach requires finding of a similar country, region or project with conditions comparable to the particular project for the purpose of studying a development that does not include the Joint Implementation Project. The definition of a reference group in a similar situation in the electric power industry, would be difficult due to different circumstances with respect to fuels used, technologies implemented, economic aspects, electricity market liberalization status and policy, etc.

#### b) Investment Analyses

In these analyses, all probable and realistic possibilities are determined taking into account the technical, economic, political, social and environmental aspects graded by economic benefit, for example through determination of the Internal Rate of Return. The highest-return alternative is defined as Baseline Alternative. Due to the fact that economic aspects are the determining factors for that aspect, such approach requires a solution model guided mainly by economic considerations and the clear comparability of different options.

The potential for use of investment analysis in the electric power sector is quite limited because, in principle, the new projects compete with a variety of generation units in the electric power sector. It is very seldom that a new project competes directly with an existing unit. For that reason the investment approach is not considered very useful in the electric power sector.

#### b) Scenario analysis

Risk-based analyses deal with the possible development scenarios in the absence of a project taking into consideration various influencing factors such as technologies, policies and market restrictions. Possibilities leading to high risk are dismissed and the most probable scenario is selected as baseline. The main challenge in this approach is selecting the main influencing factors and to determine the best and most reliable data sources for the study.

#### 2) Standard-oriented, or Multi-project Baseline

There are a number of different approaches to Multi-project Baselines. They can vary from average-emission specific emissions for a sector to technological standards of broad modeling within the frameworks of the particular sector such as, for example, merit order dispatch analysis in the electric power sector. In spite of the variety of approaches, the main point is to provide a set of standard data that shall be used as a baseline for a number of different projects. That can be also bases for comparison with respect to the baselines specific to a project and could be expressed in specific emissions per unit of electricity output (i.e., Basic Carbon Emission Factor /BCEF/ determined in tons of CO/GWh).

The multi-project approach is launched because, through the use of such methods, the transaction costs of Joint-Implementation Projects will be significantly reduced. In other words, the baseline development costs in Joint-Implementation Projects will be much lower than those

developed in countries that already have a Multi-project Baseline and, therefore, the project developers' and investors' costs will be significantly reduced. Therefore the present study will also launch a number of projects that will be implemented by means of these mechanisms, as it will launch implementation of smaller but environmentally friendly and stable energy projects as well. Besides, there will be better predictability to the project developer in terms of number of emission reduction units that will be achieved through a project.

More particularly, in the power plant case, the multi-project approach to a Baseline seems to be a reliable and efficient solution.

#### 5. Multi-Project Baseline for the Electric Power Sector

Considering the electric power sector, Multi-project Baselines find wide application in Joint-Implementation Projects and in Clean Development Mechanism Projects. The reason is that, in most cases, implementation of a project with capacity exceeding 20MWe, there is a marginal impact on the whole electric power sector. Therefore, project-specific Baselines are not suitable and multi-project approaches are preferred.

In the next section, an analysis of different Baseline methodologies based on multi-project approaches is made, and their compatibility with the subject of discussion is examined. Institutional conditions, available data and specificity of the Bulgarian electric power sector should also be taken into account when the most appropriate Baseline methodology is finally selected.

## 1) Mean specific emissions will all plants participating

At present, this is the most simplified methodology for Baseline determination. It assumes that the project will displace part of the integral electricity generation mix. The problem with that method is that it encompasses all plants with low operating costs that usually operate as baseload plants, inclusive of hydro- and nuclear power plants. There is, however, almost no chance for a new investment to replace the output of these plants; it is much more probable for an investment to replace plants with higher operating costs such as plants fired with fossil fuel. Therefore, that methodology may be rejected by the investor countries because the share of nuclear generation added to that of hydro-power (about 50%) is large within the power system of Bulgaria.

#### 2) Mean specific emissions less Nuclear, Pumped-Storage and Hydro-Power Plants

In principle, there will be technologies that will continue to work irrespective of the adoption of a Joint-Implementation Project. The best example of that are the Chaira Pumped-Storage Hydro-Power Plant and the four large existing hydro-power cascades with hydro-power plants built downstream of the weirs that have extremely flexible load-following capacity and can operate in peak-load periods. That is not due to the high operating costs but rather to the opportunity offered by them to choose the time of electricity generation in the event of unexpected need for generation capacity in the system.

There is also a current trend in Baseline determination to eliminate the output of all nuclear and hydro-power plants because the low operating costs mean that their output will not be affected by new plants in the network. If NPP and HPP are eliminated from the Baseline, such assumption shall be supported by clear written records and justified.

Therefore, this approach attempts to consider matters related only to consideration of mean values in the system; however, precision here still remains questionable. The benefit of that

approach is that it will yield the variety of all loads that will be replaced by the project; however, it will not yield the mean weighted value against the current (operating) costs.

## 3) Mean emissions for each Load Category

That involves load curve grouping into different load categories such as seasonal, peak, shoulder, and base loads. After determining the load profile of a project, a direct comparison to the same load category in the Baseline forecasts can be made.

#### 4) Consideration of Solely Marginal Plants (Merit order dispatch Analysis)

The Least-Cost Method assumes that plants operating at the margin (at highest costs and, most probably, with highest emissions) will be the first to be replaced. The method should indicate the generation from each plant for every hour (or group of hours) within one year. The assumption is that commissioning of the new capacity will displace plants that currently operate at the end limit of the load curve. That analysis will require evaluation of the last unit(s) that should be connected, for every hour or group of hours in a year and, in that manner, the specific emissions per hour. That type of approach proves to be the most precise with respect to determining which unit actually stops generating electricity. The negative aspect is the quality and quantity of data needed for that method.

## 5) Operating Margin/Build Margin Methodology of IEA and OECD

OECD recommends to use the weighted mean between the operating margin and build margin for determination of the Baseline. That is based on the assumption that a Joint Implementation Project will very likely have an impact on the operation of an existing and new plant in the short term (marginal operating costs) as well as delay the implementation of a new plant in the longer term (marginal build costs). It will be possible to use a power sector model for forecasting of the build margin as well as of the operating margin.

# 6. Baseline Determination and Computation of the Carbon Emission Factor (CEF) Common to the Bulgarian Power Sector

#### 6.1. Mean specific emissions (all plants included)

The study enables determination of the mean specific emissions and the corresponding CEF for every plant and system-total. That analysis encompasses all power plants, inclusive of nuclear power plants and hydro-power plants that release no emissions but contribute power generation to the system. This approach is too imprecise to analyze CEF and, respectively, reduction of CO<sub>2</sub> emissions in a Joint-Implementation Project, because the operation of nuclear power plants and, to less extent, the operation of the four large hydro-power cascades of the power system are not influenced by the implementation of such projects.

#### 6.2. Mean Specific Emissions (less NPP and HPP)

The study calculates and determines the mean specific emissions and the corresponding CEF for every plant and system-total, only excluding NPP and HPP from the calculation of Baseline emissions because they have low operating costs and, for that reason, there is not probability of their replacement. An option with starting up of the hydro-power cascades with HPP participating in the regulation of the system according to the above-mentioned calculations was developed for the event that a JP project hypothetically replaces peak-load hydro-power capacities of the system (HPP or gas-fired combined-cycle power plant over 20 MW).

That methodology can have quite extensive application in projects but still it remains a less refined methodology and is recommended only in cases of smaller-volume emission reductions

in the sector. For example, when integration of JI projects with less than 200 MW installed capacity into the system is considered.

# 6.3. Mean Specific Emissions for Each Load Category

This approach is not considered in detail because it requires CEF determination for the overall power system. The approach does not add much to the two previous methodologies and it can be said again that it is a less refined approach and it does not reach far in determining what will actually be replaced by the new capacity.

#### 6.4. Integrated Resource Planning (Least-Cost Planning Analysis)

Merit order dispatch analysis for the power sector indicates, in economic terms, what technologies or which particular generating units can be possibly replaced by a new generation in the network. That can provide a realistic picture of replacement, more specifically in the open electricity markets.

This method requires detailed information on the generating capacities and evaluation of the marginal units that shall be started up from a cold reserve state for every hour of the year. The power plants with guaranteed supply contracts shall be taken into consideration.

# 6.5. Operation Margin/Build Margin Methodology

This approach is a combination of marginal operating costs and marginal construction costs. It can be applied in countries where the power system capacities are expanding. The problem with this methodology is that it is difficult to determine the weighted mean between the Operation Margin and the Build Margin.

#### 7. Selection of Baseline Study Methodology

Following the argumentation here above, the methodology used for Baseline Determination was developed on the basis of merit order dispatch analysis. This type of approach is considered the most precise for analysis which unit will be replaced by a new capacity.

The merit order dispatch approach analyses the electric power sector on the basis of electricity demand forecasts – minimum and maximum; fuel prices, new capacities and envisaged rehabilitation projects; and cost estimates. For these analyses NEK uses the IRP Manager computer model (Integrated Resource Planning Model).

The US software company Electric Power Software in Minneapolis has developed the software called IRP Manager for US institute EPRI. Since 1995 the model is implemented in the Bulgarian National Electricity Company for the least cost expansion planning of the power sector development.

The IRP-Manager model provides comprehensive management of demand, supply, financial and rate data needed for long-term integrated resource planning of the power sector. It coordinates an expansive "Tool Box" of capabilities including: chronological simulation of demand and resources, automated resource strategy development, decision analysis and complete forecasts of impacts from all perspectives.

The forecast power balances obtained by merit order dispatching are used to develop the Baseline study. The basis study itself was developed using the ACM0002 Methodology, "Consolidated Baseline Methodology for Grid-Connected Electricity Generation from Renewable Sources" of UNFCCC CDM – Executive Board.

In order that the study can be as complete as possible and applied to the widest possible range of JP projects in the Bulgarian power sector, all methods offered in the power plant operation

margin determination methodology are applied. The relation between operation margin and build margin is assumed everywhere as  $50/50\,\%$  for BCEF determination.

Forecast								
Minimum demand	Unit	2006	2007	2008	2009	2010	2011	201
Total system power generation	OWh	45 081	43 115	44 155	47 490	48 212	51 135	52.29
2. Total system heat generation	MWesh	17 875 519	18 057 503	18 320 175	18 746 936	19 028 566	19 744 974	1935865
3. Total CO2 emissions of power generation	kt/a	28 035.37	31 810,38	31 245,75	33 538,31	33 547.47	33 853.20	31 248.7
4. Total CO2 emissions of energy transformation	kt/a	34 447,38	38 384,71	37 832,72	40 154,36	40 358,35	40 550,20	37 7 58,3
Baseline Emission Factor - BEF Fossii Funis								
1. Dispatch Data_OM_EF	tonne/MWh	1,215	1,158	1,144	1,022	0.984	0,963	0,95
2. Dispatch Data Adjusted_OM_EF	tonne/MWh	1,154	1,100	1,078	0,956	0,517	0,902	0,89
Average Dispatch Data_OM_EF	tomne/MWh	1,243	1,190	1,145	1,026	0,986	0,974	0,98
HPP Included	tomos/www.h				6.000	0.000	2.546	0.91
1. Dispatoh Data_OM_EF		1,176	1,175	5,110	0,995	0,969	0.940	
Dispatch Data Adjusted_OM_EF     Average Dispatch Data OM EF	tonne/MWh	1,111	1,102	1,017	0,894	gas,o lege.o	0,849	0,83
Average Dispatori Data_Uw_Er	304/09/09/09	1,120	1,120	3,457	0,357	0,369	V.936	0,88
FoceE Fuels 1. Dispatch Data_OM_EF	kg/GJ	111,997	106,693	106,484	100,340	97,289	95,086	96.15
2 Dispetch Data Adjusted_OM_EF	kg/GJ	111,976	166,621	106,402	100,966	97,871	95,946	95.57
Average Dispatch Data_OM_EF	kg/GJ	111,622	106,175	106,640	100,646	98,217	96,676	97,02
Forecast		-						
Maximum demand	Unit	2000	2007	2068	2009	2010	2011	201
1. Total system power generation	own	46 739	43 572	46 530	48.351	49 465	51.344	53 19
2. Total system heat generation	MWwh	20 360 496	19 909 333	20 240 499	21 206 867	22 170 364	23 026 991	23 40 7 57
Total CO2 ensissions of power generation	NV-a	27 152,04	31 508,75	32 821,32	23 044,62	33 387,00	32 807,31	30 531,0
4 Total CO2 emissions of energy transformation	Nt/a	34 405,23	38 713,17	40 181,87	40 770,13	41342,14	45 705.37	38 6 15,6
Baseline Emission Factor - BEF								
Fossil Funis	(Spagnerson)		-			10000	-	
1 Dispaton Data_OM_EF	tcoa/MWh	1,204	1,216	1,124	1,014	0.973	0.947	0,88
Dispatch Data Adjusted_DM_EF     Average Dispatch Data_OM_EF	1GO2/MWh	1,143	1,156	9,059	1,018	0,909	0,663	0.91
s. Average Dispaton Data_Ois_Er	1002MWh	1,233	1,282	1,127	1,018	0,977	0,963	0,91
HPP Included 1. Dispatch Data OM EF	toosimum [	1,153	1,152	5,101	0,993	0.547	0.926	0.80
2. Dispatch Data Adjusted_OM_EF	1002/MWh	1,091	1,096	1,006	0,990	0,943	0.834	0,79
Average Dispatch Data_OM_EF	ICO2MWh	1,118	1,144	1,052	0,940	0.899	0,675	0,54
Fossil Fuelo		-			_			
1. Dispaton Data_OM_EF	REPORT	109,651	111,991	105,315	100,011	95,929	94,604	93,04
2. Dispatch Data Adjusted_OM_EF	kg/QJ	105,571	111,876	105,263	100,226	95,458	95,130	93.52
Average Dispaloh Data_OM_EF	kg/GJ	109,126	111,908	105,550	100,273	96.821	95,676	94,05

INTERNAL AUDIT REPORT (10<sup>TH</sup> MAY 2010; 16<sup>TH</sup> DECEMBER 2010)

# Audit Report held on 10<sup>th</sup> May 2010

# INTERNAL AUDIT REPORT

# Sreden Iskar Cascade HPPs Portfolio Project Dated May 10<sup>th</sup> 2010

## **CONTENTS**

A. <u>Audit Report</u>

## **Annexes**

Annex 1 - Internal Audit Check-list

#### **Background and Objectives of Audit Report**

The procedure of internal auditing and control measures is included in the "Monitoring Plan". This procedure has the purpose to describe the established system for the programming and execution of internal audits of the Monitoring Plan of Sreden Iskar Cascade Hydro Power Plants. The Internal Auditor must comply with the following requirements:

- He has to be trained by an Independent Company with proven expertise in developing PDD projects;
- He must be certified by an Independent Company as auditor;
- He must have participated to at least one audit as observer;
- He can't be the same person involved in the monitoring process.

#### **SECTION A. Audit Report**

#### A.1. Title of the project:

Sreden Iskar Cascade HPP Portfolio Project, September 2006 ("The Project"), Rev.1, dated 8 November 2006.

#### A.2. JI registration number:

The project reference number is 0063.

#### **A.3.** Short description of the project activity:

The project envisages the establishment of nine Hydro Power Plants ("HPPs") on the river Iskar, about 40 km north of Sofia, with the overall objective to generate Emission Reduction Units ("ERUs"), reducing 370,970 tonnes of CO<sub>2</sub> equivalent in the period 2008 till 2012 (inclusive).

In year 2000, the Municipality of Svoghe carried out a feasibility study of the proposed HPPs. It attracted the interest of several energy companies that proposed to jointly develop the project with the city and in late 2003 the Municipality of Svoghe and Petrolvilla signed a Letter of Intent.

Based on the Memorandum of Understanding on co-operation between the Kingdom of the Netherlands and the Republic of Bulgaria in reducing emission of Greenhouse Gases ("GHGs") under article 6 of the KP the proposed JI portfolio project aims at reducing GHGs by replacing electricity generated from fossil fuel with electricity generated from renewable hydraulic energy sources. Here below the project parties including the Carbon Credit purchaser, and the Project owner.

Party Involved	Legal entity project participant (as applicable)	Party involved wishes to be considered as project participant (Yes/No)
Bulgaria (Host Party)	Vez Svoghe AD Boulevard Cristopher Columbus, 41 1592 Sofia, Bulgaria	No
Netherlands	EBRD (for the account of the Netherlands) One Exchange Square London EC2A 2JN, United Kingdom	No

#### **Table 9: Party involved**

Project Design Document (PDD) including baseline and monitoring plan has been prepared by engineering consulting company MWH S.p.A.. The Letters of Approvals (LoA) have been issued by the Ministry of the Environment of the Republic of Bulgaria on 22.12.2006 and by the designated focal point of the State of the Netherlands on 28.11.2007.

"Sreden Iskar Cascade Hydro Power Plants" project has been approved by an accredited independent entity (AEI) and has been granted final determination on 03.12.2007. PDD and Determination Report are available on the UNFCCC website under project reference number 0063.

#### A.4. Date of internal audit of current year (2010)

The internal audit was held on 10<sup>th</sup> May 2010.

#### A.5. Personell involved in the internal audit and responsabilities

Anton Milchev attended the audit as internal auditor. Plamen Dilkov involved the following people:

- Vassil Shumanov and;
- Marina Dimitrova.

#### A.6. Methodology applied to the project activity

The methodology applied to the project activity is included in the Monitoring Plan.

#### A.7. Intended deviations or revisions to the procedure included in the Monitoring Plan

No deviations or revisions to the procedure included in the Monitoring Plan have been done.

#### A.8. Changes since last internal audit:

No changes occur since last internal audit.

#### A.9. Person(s) responsible for the preparation and submission of the Audit Report

The person (s) responsible for the preparation and submission of the audit report are:

- Vassil Shumanov, Vez Svoghe
- Dario Dilucia La Perna, Consultant MWH

# **CHECK-LIST**

ı	Auditor's Name(s): Anton Milchev								
	Company:	VEZ Svoghe							
	Date of last internal audit:								
	Date of current audit:	5/10/2010							
	List of people involved in:	Vassil Shumanov, Marina Dimitro	va, Anton Milchev						
	List of document which	Monitoring Plan_JI_Petrolvilla_rev	2; ANNEX II_MC_rev, ANNE.	X I_MP_rev; In	voices 2010				
	have been walked								
				© Non					
	Check-li	st		conformities	Observed actions considered to resolve the non-conformities				
				Non co	onformities of last internal audit				
	Have been the non-conformition	on of lost internal audit	□Vaa □ Na						
1	sorted out?	es or last internal audit	× Yes No						
	If not, are some actions in	Yes No							
2	the non-conformities?								
-					Document				
				I	Document				
3	Are the paper copies of invoices to the Electricity		x Yes No						
	Distributor properly stored?								
-									
4	Is the folder "GHG emission reduction" available in		□Vaa □Ni	1					
4	the SCADA server?		× Yes No	1					
				ļ					
	Does the folder "GHG emission reduction" contain:			1					
	Monitoring plan-pdf forma	<u>t</u>	× Yes No	1					
	Annex I-excel format		× Yes No	1					
	Annex II-excel format		× Yes No	1					
5	Annex IV-scanned copy		× Yes No	1					
[	Invoices-pdf format		× Yes No	1					
	Audit Report-pdf format		× Yes No	1					
	Monitoring annual report-pdf format		× Yes No	1					
	Non-conformities registry-pdf format		× Yes No						
	Non comonnace registry pur format								
	Has the software adopted to store the data been								
6	changed?		Yes 🗴 No						
	onangou.								
7	If yes, is the new version consistent with previous one?		Yes No						
					Operation of equipment				
	Has SCADA system properly	worked till the date of	Dv. Dv.						
8	internal audit?		× Yes No						
-					Management				
				I	munugement				
9	Are the persons and their resp	oonsabilities clearly	× Yes No						
	defined?								
10	Is the instrumentation calibration	on plan properly	× Yes No						
	applied?								
				Measu	ring and calculation procedure				
	Did the Engineer in charge of	the monitoring process	<b>-</b>						
11	collect electronically on month	nly basis the data	× Yes No	1					
	generated by SCADA System	1?							
4.	Are the data reported in the sp		× Yes No	1					
12	basis as for Annex II of Monito			1					
			Vec No						
13	If yes, are they in line with	electricity invoices?	x Yes No	1					
	Are the read-off measuremen		× Yes No	1					
14	electricity distributor reliable co								
	recorded by the SCADA Syste	om:		1					
	Did the Feeler - 1: -1: 1	alla anna alta alta a a a a a a							
15	Did the Engineer in charge of rectify the emission factor con		× Yes No						
	year?	, p.oou							
4.	If yes, is it in line with new	version of Document	Yes x No						
16	issued by the NEK?								
				<b>-</b>					
	Did the Engineer in charge of		× Yes No						
17	calculate the amount of CO2 of for Annex I of Monitoring Plan								
	101 ATTION TO INIUTILIDITING Plan								
	Total number of non-confo	rmities identified		0					
	rotal number of non-como	imaes identified							

# Audit Report held on 16<sup>th</sup> December 2010

# INTERNAL AUDIT REPORT

# Sreden Iskar Cascade HPPs Portfolio Project Dated 16<sup>th</sup> December 2010

# **CONTENTS**

A. <u>Audit Report</u>

## **Annexes**

Annex 1 - <u>Internal Audit Check-list</u>

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#### **A.3.** Short description of the project activity:

The project envisages the establishment of nine Hydro Power Plants ("HPPs") on the river Iskar, about 40 km north of Sofia, with the overall objective to generate Emission Reduction Units ("ERUs"), reducing 370,970 tonnes of CO<sub>2</sub> equivalent in the period 2008 till 2012 (inclusive).

In year 2000, the Municipality of Svoghe carried out a feasibility study of the proposed HPPs. It attracted the interest of several energy companies that proposed to jointly develop the project with the city and in late 2003 the Municipality of Svoghe and Petrolvilla signed a Letter of Intent.

Based on the Memorandum of Understanding on co-operation between the Kingdom of the Netherlands and the Republic of Bulgaria in reducing emission of Greenhouse Gases ("GHGs") under article 6 of the KP the proposed JI portfolio project aims at reducing GHGs by replacing electricity generated from fossil fuel with electricity generated from renewable hydraulic energy sources. Here below the project parties including the Carbon Credit purchaser, and the Project owner.

Party Involved	Legal entity project participant (as applicable)	Party involved wishes to be considered as project participant (Yes/No)
Bulgaria (Host Party)	Vez Svoghe AD Boulevard Cristopher Columbus, 41 1592 Sofia, Bulgaria	No
Netherlands	EBRD (for the account of the Netherlands) One Exchange Square London EC2A 2JN, United Kingdom	No

#### Table 10: Party involved

Project Design Document (PDD) including baseline and monitoring plan has been prepared by engineering consulting company MWH S.p.A.. The Letters of Approvals (LoA) have been issued by the Ministry of the Environment of the Republic of Bulgaria on 22.12.2006 and by the designated focal point of the State of the Netherlands on 28.11.2007.

"Sreden Iskar Cascade Hydro Power Plants" project has been approved by an accredited independent entity (AEI) and has been granted final determination on 03.12.2007. PDD and Determination Report are available on the UNFCCC website under project reference number 0063.

#### A.4. Date of internal audit of current year (2010)

The internal audit was held on 16<sup>th</sup> December 2010.

#### A.5. Personell involved in the internal audit and responsabilities

Anton Milchev attended the audit as internal auditor. Plamen Dilkov involved the following people:

- Vassil Shumanov and;
- Marina Dimitrova.

#### A.6. Methodology applied to the project activity

The methodology applied to the project activity is included in the Monitoring Plan.

#### A.7. Intended deviations or revisions to the procedure included in the Monitoring Plan

No deviations or revisions to the procedure included in the Monitoring Plan have been done.

#### A.8. Changes since last internal audit:

No changes occur since last internal audit.

#### A.9. Person(s) responsible for the preparation and submission of the Audit Report

The person (s) responsible for the preparation and submission of the audit report are:

- Vassil Shumanov, Vez Svoghe
- Dario Dilucia La Perna, Consultant MWH

# **CHECK-LIST**

	Auditor's Name(s):	Anton Milchev			
	Company:	VEZ Svoghe			
	Date of last internal audit: Date of current audit:	12/16/2010			
		Vassil Shumanov, Marina Dimitro	va, Anton Milchev		
	List of people involved in:				
	List of document which	Monitoring Plan_JI_Petrolvilla_rev	2; ANNEX II_MC_rev, ANNE	X I_MP_rev; In	voices 2010
_!	have been walked				
	Check-li	st		# Non conformities	Observed actions considered to resolve the non-conformities
				Non or	onformities of last internal audit
					official description and the state of the st
1	Have been the non-conformition sorted out?	es of last internal audit	x Yes No		
	soried out?				
	If not, are some actions in	progress to overcome	Yes No		
2	the non-conformities?	,			
-					Document
-					Document
3	Are the paper copies of invoice	es to the Electricity	x Yes No		
	Distributor properly stored?				
4	Is the folder "GHG emission r	× Yes No			
	the SCADA server?				
-	Does the folder "GHG emission				
		× Yes No			
	Monitoring plan-pdf format  Annex I-excel format		× Yes No		
	Annex II-excel format		_ =		
	Annex II-excel format		× Yes No		
5	Annex IV-scanned copy		× Yes No		
	Invoices-pdf format		× Yes No		
	Audit Report-pdf format		× Yes No		
	Monitoring annual report-pdf format		× Yes No		
	Non-conformities registry-pdf format		× Yes No		
6	Has the software adopted to s	tore the data been	Yes x No		
١	changed?				
7	If yes, is the new version of	consistent with	Yes No		
'	previous one?				
-					Operation of equipment
					operation of equipment
8	Has SCADA system properly internal audit?	worked till the date of	× Yes No		
-					Management
9	Are the persons and their resp	oonsabilities clearly	× Yes No		
3	defined?				
-					
10	Is the instrumentation calibration	on plan properly	× Yes No		
	applied?				
				Measu	ring and calculation procedure
	Did the Engineer in charge of	the monitoring process			
11	collect electronically on month		× Yes No		
	generated by SCADA System				
-					
إړ	Are the data reported in the sp	oreadsheet on monthly	× Yes No		
12	basis as for Annex II of Monito				
			× Yes No		
13	If yes, are they in line with	electricity invoices?	NO NO		
ار	Are the read-off measuremen		× Yes No		
14	electricity distributor reliable or recorded by the SCADA Syste				
	Did the Engineer in charge of	the monitoring process	UVee UVe		
15	rectify the emission factor con		x Yes No		
	year?				
	W				
16	If yes, is it in line with new issued by the NEK?	version of Document	Yes x No		
	ISSUED BY HIS INCIN				
	Did the Engineer in charge of	the monitoring process	l		
17	calculate the amount of CO2 e	emission reduction as	× Yes No		
	for Annex I of Monitoring Plan				
	Total number of non-confo	rmities identified		0	