

513479  
Energy in Minds!

Integrated Project  
Priority 6.1.3 Concerto

**WP2.2b-D2**  
**Full-Year Energy Monitoring Reports of the Completed PV  
Installations – reporting period 2**

Due date of deliverable: month 27  
Actual submission date: month 25

Start date of project: 30/05/2005

Duration: 60 months

Organisation name of lead contractor for this deliverable: C-NSU

Revision: 1

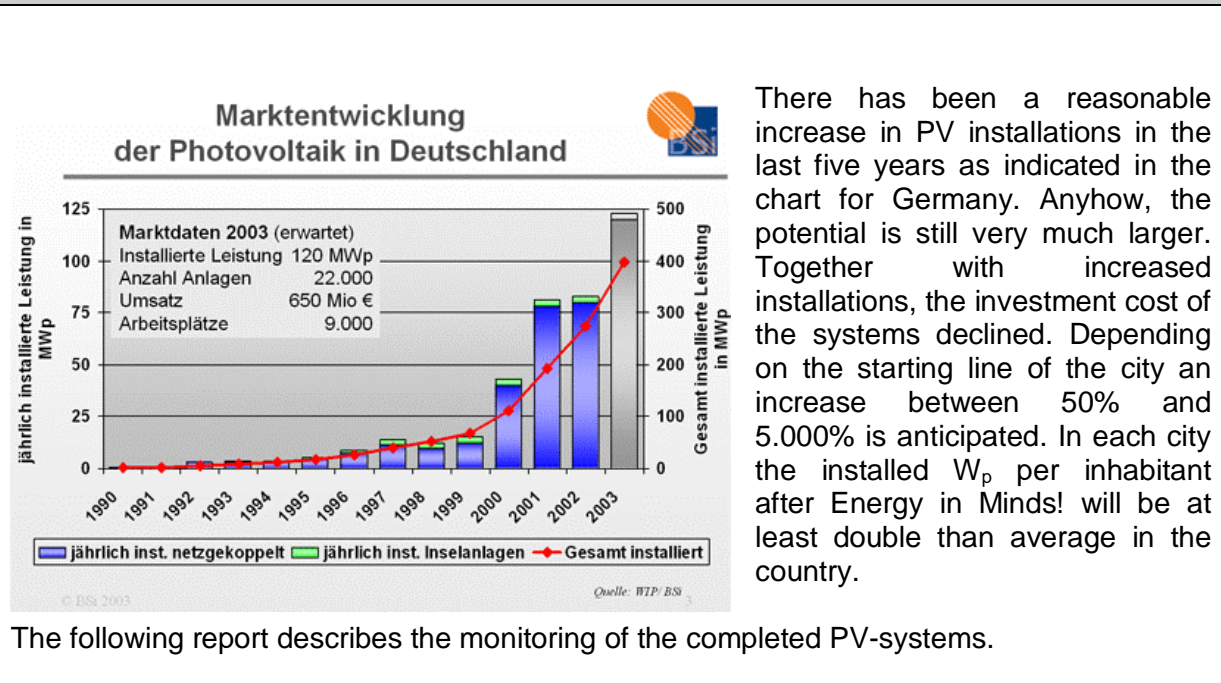
Project co-funded by the European Commission within the Sixth Framework Programme (2002-2006)		
Dissemination Level		
<b>PU</b>	Public	X
<b>PP</b>	Restricted to other programme participants (including the Commission Services)	
<b>RE</b>	Restricted to a group specified by the consortium (including the Commission Services)	
<b>CO</b>	Confidential, only for members of the consortium (including the Commission Services)	



Work package:	<b>WP2.2b-Dem</b>	<b>Innovative PV-systems</b>
Deliverable no:	WP2.2b-D2	
Due Date:	15	

Participants	ID	
WP-leader:	9	C-NSU
Participants:	4	FWS
	5	C-Zlin
	7	Ekosolaris
	8	GHA
	9	C-NSU
	11	E-Initiative

## Introduction



## Deliverable result

### 1. Energy Region Weiz-Gleisdorf

There have been 17 offers for PV plants since May 2007 until now. 6 PV-plants have been realized so far with an entire sum of 18,8 kWp. 6 PV plants will be realized during the next reporting period.

The PV plants are connected to the grid. All investors got a list, where they have to write down the generated electricity monthly over a period of two years. After one year, we will get the data for the first 12 months and after the second year the data of 24 months.

You will find descriptions and pictures below.

One PV-plant (Fink) (3.040Wp) is under construction and will be finished in the first week of June 2007.



#### **PV system for family Raith in Mortantsch**

The installation of their PV system was in May 2007. They installed 4.300 Wp, which are 26 m<sup>2</sup>.



#### **PV system for family Bauer in Gleisdorf**

The installation of their PV system was in May 2007. They installed 3.440 Wp, which is an area of 21 m<sup>2</sup>.

In the following some data of PV plants which were installed during the last reporting period are given:

The specific yearly-earnings will be identified. The different modules and PV-systems will be compared. The CO<sub>2</sub> savings will be calculated.



**PV system for family Fuchs in Gleisdorf**  
They installed their PV system in October 05. They installed 1,14 kWp which is an area of 9,5m<sup>2</sup>.



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### Ertragsmessung FUCHS Photovoltaikanlage 1.140 Wp

Inbetriebnahme: 05.10.2005

Datum	Zählerstand	Differenz	Unterschrift
05.10.2005	3		
31.10.2005	78	75	
30.11.2005	127	49	
31.12.2005	166	39	
31.01.2006	216	50	
28.02.2006	277	61	
31.03.2006	370	93	
30.04.2006	474	104	
31.05.2006	585	111	
30.06.2006	714	129	
31.07.2006	849	135	
31.08.2006	940	91	
30.09.2006	1027	87	
31.10.2006	1124	97	
30.11.2006	1170	46	
31.12.2006	1217	47	
31.01.2007	1274	57	
28.02.2007	1342	68	
31.03.2007	1436	94	
30.04.2007	1572	136	
31.05.2007			



### PV system for family Hofer in Prebuch

They installed their PV system in May 2006. They installed 3.780Wp which is an area of 23 m<sup>2</sup>.



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## Ertragsmessung HOFER Photovoltaikanlage 3.780 Wp

Inbetriebnahme: 11.05.2006

Datum	Zählerstand	Differenz	Unterschrift
11.05.2006	3		
31.05.2006	296	293	
30.06.2006	790	494	
31.07.2006	1.345	555	
31.08.2006	1.733	388	
30.09.2006	2.221	488	
31.10.2006	2.642	421	
30.11.2006	2.883	241	
31.12.2006	3.111	228	
31.01.2007	3.389	278	
28.02.2007	3.705	316	
31.03.2007	4.114	409	
30.04.2007	4.687	573	
15.05.2007	4.912	225	
31.05.2007		0	
30.06.2007		0	



### PV system for family Konrad in Mortantsch

They installed their PV system in May 2006. They installed 3.150 Wp, which is an area of 19m<sup>2</sup>.



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## Ertragsmessung KONRAD Photovoltaikanlage 3.150 Wp

Inbetriebnahme: 15.05.2006

Datum	Zählerstand	Differenz	Unterschrift
15.05.2006		3	
31.05.2006	168		165
30.06.2006	540		372
31.07.2006	1005		465
31.08.2006	1345		340
30.09.2006	1722		377
31.10.2006	2061		339
30.11.2006	2264		203
31.12.2006	2440		176
31.01.2007	2640		200
28.02.2007	2870		230
31.03.2007	3211		341
30.04.2007	3659		448
15.05.2007	3852		193
31.05.2007			0
30.06.2007			



**PV system for family Grassmugg in Thannhausen**  
 They installed their PV system in November 2006.  
 They installed 2.940 Wp which is an area of 22 m<sup>2</sup>.



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### Ertragsmessung GRASSMUGG Photovoltaikanlage 2.940 Wp

Inbetriebnahme: 22.11.2006

Datum	Zählerstand	Differenz	Unterschrift
22.11.2006	3		
30.11.2006	23	20	
31.12.2006	69	46	
31.01.2007	214	145	
28.02.2007	407	193	
31.03.2007	655	248	
30.04.2007	993	338	
31.05.2007		0	

## 2. Zlin

### 2.2-2 Dem Promotion and subsidy for PV systems on private households

Currently 3 small PV systems (9 kWp and 2 kWp on slope roofs and 4 kWp on a flat roof of single-family houses) are designed, contracts with the investors (3<sup>rd</sup> parties of GHA) are signed and will be paid after confirmation of E.ON (= electricity distributor) about connection of the systems into the grid. If all steps are done by end May 2007, the systems will be included in actual costs in the 2<sup>nd</sup> reporting period. If not, they will be charged in the 3<sup>rd</sup> reporting period.

The photos will be sent immediately after installations.



### 2.2-3 Dem Promotion and subsidy for large-scale PV applications

A large scale system of 37 kWp will be installed on the flat roof of Pozemni stavitelství Zlin, a.s. (a 3<sup>rd</sup> party of Ekosolaris). In this case the connection into grid should be without any problems as the investor has it's own transformer station with the sufficient capacity at place. The installation should start beg. June 2007, then we will send photos.

The reason of starting all of these installations so close before the end of the 2<sup>nd</sup> reporting period is that the investors were waiting for the definite decision about the large-scale "communal" PV system of 200 kWp located at the area of the communal waste depot. However, the negotiations about this are much more complicated than expected and, moreover, political representatives of C-Zlin decided to run this PV system without a participation of other subjects. So the "small" investors had to return back to individual installations.

The installation of that 200 kWp system is expected this autumn or spring 2008. Currently the tender for it's supplier is running.

### 3. Neckarsulm

General advice and subsidies concerning PV-systems on private buildings are given by the building administration department of the city of Neckarsulm ("Bauverwaltungsamt").

The number of applications shows that PV-systems are still highly recommended. During the last 12 months there were 36 PV-systems with 303 kWp realized. They can be divided in 134 kWp small scale PV-systems and 169 kWp large scale PV-systems.

Since the beginning of Concerto there were 79 small scale PV-systems with 318 kWp and 6 large scale PV-systems with 264 kWp realized.

Owners of new PV-systems within the demo area are requested to evaluate the produced electricity over a period of 12 months. Together with the application investors get an evaluation sheet for the documentation. Owners can transmit the evaluation by mail, by telephone or via internet monthly, half a year or after the full period of 12 months. The building administration holds a list where the produced electricity of each PV-system is documented. **See attachment 1.** The results of the 12 months monitoring are also documented in a sheet where all the Third Parties are listed – **see attachment 2.** In that list the calculated and the measured production of electricity as well as the calculated and the measured CO<sub>2</sub>-savings are cinoared.

So far, the evaluation sheets of 15 owners of PV-systems are completed and the results are documented in the list (attachment 2). The monitoring shows that PV-systems are working highly efficient. Most of the 15 PV-system which were observed for a full period of 12 months produce more electricity than calculated which also has a positive effect on the CO<sub>2</sub>-savings.



**WP2.2b-D2 Attachment 1**  
**NSU –realized PV systems:**  
**documentation of produced electricity**

# Zählerstandserfassung PV-Großanlagen

Lfd. Nr.	Antragsteller	Art der Maßnahme	Datum (Bewilligung)	Zähler	Anfangszählerstand (Datum)	Jahr	Jan	Feb	März	Apr	Mai	Jun	Jul	Aug	Sept	Okt	Nov	Dez	Ertrag nach 12 Mon.	
001-2005CS	Mahler Boris Hanne-Schorp-Pflumm-Weg 30, 7 Obj.: ASG	PV-Anlage 16,12 kWp	16.12.2005	Stromzähler		2006	83.912,7	84.155,0	84.158,2	85.193,7	85.997,0	86.948,8	87.950,3	88.575,3	89.223,6	89.674,1	89.893,2	90.062,4	6.149,7	
002-2005CS	Seiwald Helmut Panoramastr. 58/1, 71032 Böbling Obj.: ASG	PV-Anlage 3,96 kWp	16.12.2005	Stromzähler		2006	83.658,8	83.814,7	84.090,3	84.484,2	85.001,9	85.615,4	86.260,9	86.663,7	87.081,5	87.371,9	87.513,1	87.622,2	3.963,4	
003-2005CS	Fisch Karin Riegelackerstr. 15, 71229 Leonbe Obj.: ASG	PV-Anlage 12,24 kWp	16.12.2005	Stromzähler		2006	54.478,2	54.977,0	55.857,4	57.115,4	58.769,4	60.728,9	62.790,8	64.077,6	65.412,3	66.339,8	66.791,0	67.139,4	12.661,2	
004-2005CS	Kübler Jennifer Martin-Fischel-Str. 21 74172 Neckarsulm	PV-Anlage 4,90 kWp (gef. 1,90 kWp)	14.02.2006	Stromzähler	23.632,0 (31.12.2005)	2006	23.784,0	23.984,0	24.349,0	24.869,0	25.537,0	26.320,0								
005-2005CS	Fischer Helmut Ulmer Str. 28 74172 Neckarsulm	PV-Anlage 4,90 kWp	14.02.2006	Stromzähler	46.823,1 (31.12.2005)	2006	46.958,4	47.167,4	47.523,3	48.039,6	48.708,9	49.480,6								
006-2005CS	Kerner Harald Weinsberger Str. 24 74235 Erlenbach	PV-Anlage 4,90 kWp	14.02.2006	Stromzähler	57.963,0 (31.12.2005)	2005												57963,0	5103,0	
						2006	58.130,0	58.300,0	58.637,0	59.186,0	59.802,0	60.633,4	61.300,0	61.872,0	62.416,0	62.786,0	62.975,0	63.036,0		
007-2005CS	Landerer Werbemittel GmbH & Co Robert-Mayer-Str. 2 74076 Heilbronn	PV-Anlage 2 x 24,255 kWp (gef. 45,51 kWp)	10.04.2006	Stromzähler Anl. 1		2006	22.914,3	22.914,3	24.131,2	26.579,1	29.774,8	33.958,3	37.784,5	40.391,5	43.094,3	45.052,7	45.821,0	46.460,3	23.546,0	
						2007	46.826,0													
						Stromzähler Anl. 2	2006	92.204,0	92.204,0	93.433,6	95.896,5	99.107,1	103.308,3	107.147,2	109.760,0	112.478,1	114.487,0	115.338,4	116.092,6	23.888,6
							2007	116.495,0												
2005																				
2006																				
001-2006CS	GVN Grundstücksverw. Karl-Schmidt-Str. 2-1f 74172 Neckarsulm Obj.: KS ATAG	PV-Anlage 24,18 kWp (gef. 21,18 kWp)	16.01.2007																	
002-2006CS	Fisch Norbert Riegelackerstr. 15 71229 Leonberg Obj.: Hezenberg-Turnhalle	PV-Anlage 24,18 kWp	06.03.2006	Stromzähler		2006	83.604,3	84.540,0	84.635,0	84.635,0	87.747,5	91.251,0	95.143,0	97.373,1	99.810,7	101.496,8	102.325,0	103.065,0	19.460,7	
2006																				
2007																				
002-2007CS	Hoffmann, Ralf Gabeläcker 6 74172 Neckarsulm Obj.: Friedrich-Gauss-Str. 1	PV-Anlage 64,80 kWp	18.01.2007																	
003-2007CS	Kaco Gerätechnik GmbH Gottfried-Leipniz-Str. 1 74172 Neckarsulm Obj.: Friedrich-Gauss-Str. 1	PV-Anlage 79,482 kWp	18.01.2007																	

94.772,6

Monitoring abgeschlossen (12 Mon.)





74172 Neckarsulm																			
020-2007CS 015-2005S	Schütterle, Ulrich Eulenweg 8 74172 Neckarsulm	PV-Anlage 3,30 kWp	27.02.2007	Stromzähler															
021-2007CS 059-2005S	Anderl, Rolf Am Hasenbuckel 17 74172 Neckarsulm	PV-Anlage 10,92 kWp	27.02.2007 (26.09.2005)	Stromzähler	163.238,4 (16.09.05)	2006	165.644,0	166.195,0	166.671,0	167.513,0	168.705,0	170.183,0	171.974,0	173.791,0					
022-2007CS 055-2006S	Lashen, Dagmar u. Gerd P.-H.-Merke-Str. 5 74172 Neckarsulm	PV-Anlage 3,3 kWp	27.02.2007 (29.05.2006)	Stromzähler		2006					40.342,0	x	41.634,0						
023-2007CS 061-2006S	Hesser, Günter u. Gabriele Kochendorfer Str. 21 74172 Neckarsulm	PV-Anlage 4,26 kWp	27.02.2007 (24.05.2006)	Stromzähler		2006				2,5	x	1.043,0							
024-2007CS 055-2005S	Kreis, Helma Amorbacher Str. 93 74172 Neckarsulm	PV-Anlage 4,50 kWp	28.02.2007 (07.12.2005)	Stromzähler	32.456,0 (11.05)	2006	32.621,6	32.798,6	33.119,0	33.610,0	34.225,0	34.956,0	35.737,0	36.250,0	36.870,6	37.097,0	37.260,6	37.407,6	4.786,0
025-2007CS	Haner, Alfred Stuttgarter Str. 125 74172 Neckarsulm	PV-Anlage 3,15 kWp	07.03.2007	Stromzähler															
026-2007CS 098-2006S	Bender, Michael Sigmund-Loewe-Str. 3 74172 Neckarsulm	PV-Anlage 1 4,05 kWp PV-Anlage 2 0,60 kWp																	
027-2007CS 009-2007S	Kraus, Herwig Memelstr. 5 74172 Neckarsulm	PV-Anlage 3,90 KW-p	04.04.2007	Stromzähler															
028-2007CS 010-2007S	Tabak, Thomas u. Jasmina Wachterstr. 18 74172 Neckarsulm	PV-Anlage 4,20 KW-p	04.04.2007	Stromzähler															
029-2007CS 022-2007S	Fraunhoffer, Peter u. Annemarie Steppachweg 102 74172 Neckarsulm	PV-Anlage 4,32 KW-p	11.04.2007	Stromzähler															
030-2007CS	JHL Immobilienverw.ges. mbH Breslauer Str. 5 74172 Neckarsulm Obj.: Eugen-Bolz-Str. 42	PV-Anlage 6,82 KW-p	11.04.2007	Stromzähler															
031-2007CS	Bauer, Ralph u. Petra Damaschkestr. 18 74172 Neckarsulm	PV-Anlage 4,16 KW-p																	
032-2007CS 091-2006S	Lang, Wolfgang Theresienweg 12 74172 Neckarsulm	PV-Anlage 4,90 KW-p	08.05.2007	Stromzähler	47696,6 (01.05.2007)	2007					47.696,6								
033-2007CS 027-2007CS	Bok, Antonie Bleichstr. 28	PV-Anlage 3,15 KW-p	02.05.2007	Stromzähler	72.337,1 (17.04.07)	2007				72.337,1	72.573,9	72.951,7	73.340,9						

	74172 Neckarsulm																		
034-2007CS 017-2007CS	Josefs, Michael Mecklenburger Str. 25 74172 Neckarsulm	PV-Anlage 4,09 KW-p	29.05.2007	Stromzähler	41.408,0	2007				41.408,0	41.710,3	42.268,1							
036-2007CS	Zimmermann, Walter Zabergäustr. 7 74172 Neckarsulm	PV-Anlage 3,08 KW-p	30.05.2007																
037-2007CS	Dollmann Bernd Zabergäustr. 5 74172 Neckarsulm	PV-Anlage 4,01 KW-p	30.05.2007																
038-2007CS	Lang, Ulrich Steinachstr. 103 74172 Neckarsulm	PV-Anlage 3,08 KW-p																	
039-2007CS	Bühning, Elke Palmstr. 4 74172 Neckarsulm	PV-Anlage 10,35 KW-p	13.06.2007	Stromzähler	61914,8 (06.06.07)	2007						62.897,4							
040-2007CS	Bogner, Nicole Hofackerstr. 3 74172 Neckarsulm	PV-Anlage 4,03 KW-p																	

35.562,0

Monitoring abgeschlossen (12 Mon.)

**WP2.2b-D2 Attachment 2**  
**NSU – list realized PV systems**  
**with measured / calculated savings**



WP 2.2 Innovative Photovoltaic Systems

Contr. Nr.

9

C-NSU

No.	Investor	Location	Application	Commissioning	hand-over certificate	Peak Power	Type of Installation	Investment cost	subsidy C-NSU	subsidy EC	Eligible cost	EC-funding	calculated savings	measured savings	medium savings	CO2-factor	calculated CO2 savings
Name	Adress	C-NSU	EC	C-NSU	EC	kWp	roof / facade / plane	€	€	€	€	€	kWh/kWpa	kWh/a	kWh/a	g CO2 / kWhH <sub>2</sub> O	kg CO2
Sum								3.150.988,72 €	349.379,40 €	111.685,20 €	676.649,72 €	235.686,27 €	78.300	536.243	130.336		0
1	Meder-Salzmänn Marta	Christian-Rieker-Str. 22, 74172 Neckar	25.08.2004	15.06.2005		4,1	roof	23.426,20 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.645	3.348		
2	Schütterle Ulrich	Neuberger Str. 29, 74172 Neckarsulm	02.03.2005	20.09.2005	27.02.2007	3,3	roof	18.850,94 €	4.620,00 €	100,80 €	4.908,00 €	1.717,80 €	900	2.970	3.526		
3	Zur Wolfram	Leipziger Str. 59, 74172 Neckarsulm	08.04.2005	21.06.2005		3,1	roof	18.850,58 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.808			
4	Jochim Alfred	Leipziger Str. 57, 74172 Neckarsulm	08.04.2005	07.06.2005		3,1	roof	18.850,58 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.808			
5	Fischer Hans-Joachim	Cannstatter Weg 1/3, 74172 Neckar	16.04.2005	29.07.2005		3,2	roof	20.346,40 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.916			
6	Jochim Hermann	Leipziger Str. 61, 74172 Neckarsulm	18.04.2005	15.08.2005		2,5	roof	16.300,95 €	3.850,00 €		3.850,00 €	1.347,50 €	900	2.250			
7	Zimmermann Klaus	Leipziger Str. 63, 74172 Neckarsulm	18.04.2005	13.07.2005		2,5	roof	16.335,75 €	3.850,00 €		3.850,00 €	1.347,50 €	900	2.250			
8	Flinspach Klaus	Sonnenhalde 23, 74172 Neckarsulm	31.05.2005	22.07.2005	14.02.2007	6,0	roof	32.144,76 €	4.620,00 €	1.008,00 €	7.500,00 €	2.625,00 €	900	5.400	6.471		
9	Kaufmann Jürgen	Rhönstr. 12, 74172 Neckarsulm	20.06.2005	13.07.2005		3,1	roof	17.165,22 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.808			
10	Hägele Peter	Drosselweg 4, 74172 Neckarsulm	11.07.2005	23.09.2005		3,0	roof	16.949,80 €	4.620,00 €		4.573,80 €	1.600,83 €	900	2.673	2.748		
11	Altneth Hans u. Edith	Frankenwaldstr. 14/1, 74172 Neckarsulm	15.07.2005	03.11.2005		3,0	roof	16.880,32 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.673			
12	Marzluff Bernd	Hunsrückstr. 3/1, 74172 Neckarsulm	22.07.2005	02.12.2005		4,1	roof	22.927,40 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.645			
13	Zott Ulrich	Steigenwaldstr. 4, 74172 Neckarsulm	22.07.2005	02.12.2005		3,9	roof	22.115,40 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.510			
14	Hofmann-Sütterle Susanne	Hunsrückstr. 5, 74172 Neckarsulm	22.07.2005	02.12.2005		3,9	roof	22.115,40 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.510			
15	Haag Gerhard	Rhönstr. 20, 74172 Neckarsulm	08.08.2005	22.08.2005		2,7	roof	15.500,00 €	4.204,20 €		4.620,00 €	1.617,00 €	900	2.457			
16	Kreit Helma	Amorbacher Str. 53, 74172 Neckarsulm	08.08.2005	07.12.2005	29.02.2007	4,5	roof	25.880,76 €	4.620,00 €	504,00 €	6.960,00 €	2.121,00 €	900	4.050	4.786		
17	Andri Rolff u. Sabine	Am Hasenbuckel 17, 74172 Neckarsulm	12.08.2005	26.09.2005	27.02.2007	10,9	roof	60.914,85 €	4.620,00 €	2.661,12 €	12.223,20 €	4.278,12 €	900	9.828			
18	Bertsch Alfred	Stoppachweg 30, 74172 Neckarsulm	17.08.2005	28.09.2005		3,0	roof	18.855,96 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.700			
19	Müller Kai	Olageweg 2, 74172 Neckarsulm	30.08.2005	23.03.2006		3,2	roof	18.096,00 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.835			
20	Krämer Dieter	Frankenwaldstr. 17, 74172 Neckarsulm	08.09.2005	02.11.2005		7,2	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	6.480			
21	Fischer Jörg u. Angelika	Steinachstr. 82, 74172 Neckarsulm	15.09.2005	19.12.2005		1,6	roof	9.632,64 €	2.464,00 €		2.464,00 €	862,40 €	900	1.440	676		
22	Bach Hans-Jörg u. Ingetraud	Am Reichenberg 20, 74172 Neckarsulm	28.09.2005	09.02.2007	20.10.2005	5,6	roof	32.022,96 €	4.620,00 €	873,60 €	7.116,00 €	2.490,60 €	900	5.040	5.532		
23	Mahler Boris	Gymnasiumsstr. 2-6 (ASG), 74172 Neckarsulm	13.10.2005	16.12.2005		6,1	roof	33.350,05 €		2.050,20 €	5.875,20 €	2.050,20 €	900	5.508	6.150		
24	Seiwald Helmut	Gymnasiumsstr. 2-6 (ASG), 74172 Neckarsulm	13.10.2005	16.12.2005		4,0	roof	21.579,45 €		1.326,60 €	3.801,60 €	1.326,60 €	900	3.564	3.963		
25	Fisch Karin	Gymnasiumsstr. 2-6 (ASG), 74172 Neckarsulm		16.12.2005		12,2	roof	66.700,10 €		4.100,40 €	11.750,40 €	4.100,40 €	900	11.016	12.661		
26	Benz Werner	Marienstr. 6/1, 74172 Neckarsulm	13.10.2005	07.12.2005		2,6	roof	15.837,89 €	3.942,00 €		3.942,00 €	1.379,77 €	900	2.304			
27	Funk Georg	Thüringer Str. 33, 74172 Neckarsulm	20.10.2005	30.12.2005		4,0	roof	23.657,04 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.564			
28	Fischer Helmut	Karlstr. 3, 74172 Neckarsulm		01.12.2005		4,9	roof	27.840,00 €		1.641,50 €	4.704,00 €	1.641,50 €	900	4.410			
29	Antonovic-Schwab Gerhard u. D.	Theodor-Haus-Str. 85, 74081 Heilbronn	02.11.2005	09.05.2006		2,8	roof	16.144,87 €	4.312,00 €		4.312,00 €	1.509,20 €	900	2.520			
30	Treuhandgesellschaft KOMET	Wilhelm-Leuschner-Str. 83, 69329 Frankfurt	03.11.2005	04.11.2005	13.02.2007	4,1	roof	23.959,80 €	4.620,00 €	352,80 €	5.828,00 €	1.969,80 €	900	3.645	4.072		
31	Theiser Friedrich	Frankenwaldstr. 21, 74172 Neckarsulm	09.11.2005	25.01.2006		10,1	roof	57.037,20 €	4.620,00 €		4.620,00 €	1.617,00 €	900	9.072			
32	Schubel Harald	Pläzler Str. 7, 74172 Neckarsulm	14.11.2005	11.01.2006		4,0	roof	22.504,00 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.564			
33	Köbler Jemler	Karlstr. 3, 74172 Neckarsulm	01.12.2005	12.01.2006	11.01.2006	4,9	roof	27.840,00 €		636,50 €	6.444,00 €	2.255,40 €	900	4.410			
34	Kerner Harald	Karlstr. 3, 74172 Neckarsulm	01.12.2005	11.01.2006		4,9	roof	27.840,00 €		1.641,50 €	4.704,00 €	1.641,50 €	900	4.410	5.103		
35	Landener GmbH	Rötelstr. 36, 74172 Neckarsulm	13.12.2005	10.04.2006		48,5	roof	277.418,99 €		15.245,85 €	46.569,60 €	15.254,85 €	900	43.659	47.435		
36	Müller Herbert	Strombergstr. 4, 74172 Neckarsulm	12.01.2006	31.03.2006		4,9	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	4.410			
37	Lutz Heini u. Maria	Taunusstr. 2/2, 74172 Neckarsulm	18.01.2006	22.03.2006		2,3	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	2.052			
38	Fisch Norbert	Hezenbergstr. (Sporthalle), 74172 Neckarsulm		17.01.2006		24,2	roof	128.901,34 €		8.100,30 €	23.212,80 €	8.100,30 €	900	21.762	19.461		
39	Kuner Sabine	Rathausstr. 34, 74172 Neckarsulm	14.02.2006	12.04.2006	27.02.2007	5,3	roof	27.669,51 €	4.620,00 €	756,00 €	6.780,00 €	2.373,00 €	900	4.725			
40	GVN Grundstücksverwaltung	Hafenstr. 25, 74172 Neckarsulm	16.02.2006	06.12.2006	16.01.2007	24,8	roof	139.530,60 €	4.620,00 €	7.308,00 €	25.500,00 €	8.925,00 €	900	22.275			
41	Czum Franz	Harzstr. 9, 74172 Neckarsulm	22.02.2006	20.03.2006		4,1	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	3.645			
42	Weiß Hermann	Heidelberger Str. 14, 74172 Neckarsulm	24.02.2006	12.04.2006		4,3	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	3.888			
43	Seemund Martin	Stoppachweg 82, 74172 Neckarsulm	11.03.2006	25.04.2006		5,4	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	4.860			
44	Erd Günter	Lautenbacher Str. 68, 74172 Neckarsulm	14.03.2006	12.04.2006		3,0	roof	17.904,60 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.700			
45	Frinke Bruno u. Elisabeth	Heidelberger Str. 10, 74172 Neckarsulm	20.03.2006	31.05.2006		3,2	roof	19.411,50 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.835			
46	Schmidt Andreas	Isarstr. 27, 74172 Neckarsulm	24.03.2006	12.04.2006		2,9	roof	17.806,46 €	4.435,20 €		4.435,20 €	1.552,32 €	900	2.592			
47	Eckert Eugen	Sonnenhalde 19, 74172 Neckarsulm	24.03.2006	05.07.2006	27.02.2007	5,9	roof	29.664,91 €	4.620,00 €	987,84 €	7.442,40 €	2.604,84 €	900	5.346	4.404		
48	Franz Eva	Dahenfelder Weg 23, 74172 Neckarsulm	28.03.2006	17.05.2006		7,4	roof		4.620,00 €		4.620,00 €	1.617,00 €	900	6.642			
49	Schädel Roland	Erzbergerstr. 9, 74172 Neckarsulm	28.03.2006	09.05.2006	13.02.2007	4,9	roof	29.205,00 €	4.620,00 €	648,48 €	6.472,80 €	2.265,48 €	900	4.437			
50	Lashen Dagmar u. Gerd	Peter-Heinrich-Merkle-Str. 5, 74172 Neckarsulm	25.04.2006	22.02.2007	29.05.2006	3,3	roof	19.900,00 €	4.620,00 €	100,80 €	4.908,00 €	1.717,80 €	900	2.970			
51	Bertsch Stefan	Thüringer Str. 69, 74172 Neckarsulm	15.05.2006	12.02.2007	31.07.2006	3,9	roof	23.621,20 €	4.620,00 €		285,60 €	5.436,00 €	1.902,60 €	900	3.465		
52	Amato Corrado	Binswanger Str. 111, 74172 Neckarsulm	15.05.2006	09.02.2007	24.05.2006	3,2	roof	15.800,00 €	4.620,00 €	50,40 €	4.764,00 €	1.667,40 €	900	2.835			
53	Hesser Günter u. Gabriele	Kochendorfer Str. 21, 74172 Neckarsulm	21.05.2006	25.02.2007	24.05.2006	4,3	roof	26.216,00 €	4.620,00 €	420,00 €	5.820,00 €	2.037,00 €	900	3.870			
54	Schmezer Gerhard	Breisgaustr. 8, 74172 Neckarsulm	21.05.2006	14.02.2007	07.08.2006	3,2	roof	17.400,00 €	4.620,00 €	50,40 €	4.802,40 €	1.680,84 €	900	2.835			
55	Grün Martin	Hauptstr. 22, 74172 Neckarsulm	08.06.2006	20.02.2007	19.12.2006	3,8	roof	21.924,00 €	4.620,00 €		141,12 €	5.023,20 €	1.758,12 €	900	3.420		
56	Haner Alfred	Stuttgarter Str. 125, 74172 Neckarsulm	09.06.2006	07.03.2007	30.06.2006	3,2	roof	15.999,95 €	4.620,00 €	50,40 €	4.764,00 €	1.667,40 €	900	2.835			
57	Stöffler Reinhold	Ohninger Weg 5, 74172 Neckarsulm	19.06.2006	20.07.2006		2,8	roof	17.810,64 €	4.312,00 €		4.312,00 €	1.509,20 €	900	2.520			
58	Diener Manfred	Am Hasenbuckel 18/2, 74172 Neckarsulm	28.06.2006	02.08.2006	13.02.2007	4,1	roof	25.834,10 €	4.620,00 €	352,80 €	5.828,00 €	1.969,80 €	900	3.645			
59	Knobloch Jens	Rathausstr. 11, 74172 Neckarsulm	03.07.2006	12.02.2007	09.08.2006	5,6	roof	31.474,84 €	4.620,00 €	876,96 €	7.125,60 €	2.483,96 €	900	5.049			
60	Schymosch Manfred u. Barbara	Thüringer Str. 35, 74172 Neckarsulm	24.07.2006	13.02.2007	09.08.2006	4,2	roof	24.116,40 €	4.620,00 €	403,20 €	5.772,00 €	2.020,20 €	900	3.780			
61	Röhle Wilfried	Eulenweg 2, 74172 Neckarsulm	08.08.2006	30.01.2007	13.02.2007	3,2	roof	21.204,80 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.835			
62	Lang Wolfgang	Therasiemweg 12, 74172 Neckarsulm	09.09.2006	02.05.2007													

WP 2.2 Innovative Photovoltaic Systems

Contr. Nr.

9

C-NSU

No.	Investor	Location	Application		Commissioning		hand-over certificate	Peak Power	Type of Installation	Investment cost	subsidy C-NSU	subsidy EC	Eligible cost	EC-funding	calculated savings		measured savings	medium savings	CO2-factor	calculated CO2 savings
			C-NSU	EC	C-NSU	EC									kWh/kWpa	kWh/a				
	Name	Address	C-NSU	EC	C-NSU	EC		kWp	roof / facade / plane	€	€	€	€	€	kWh/kWpa	kWh/a	kWh/a	gas oil pellets district heat electricity	g CO2 / kWhH <sub>1</sub>	kg CO2
73	Gross Alexander	Meselstr. 4, 74172 Neckarsulm	20.02.2007		22.02.2007			3,0	roof	18.367,85 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.700				
74	Kraus Henwig	Meselstr. 5, 74172 Neckarsulm	23.02.2007	04.04.2007	03.04.2007	04.04.2007		3,9	roof	24.140,34 €	4.620,00 €	302,40 €	5.494,00 €	1.919,40 €	900	3.510				
75	Tatsak Thomas	Wachnerstr. 18, 74172 Neckarsulm	28.02.2007	04.04.2007	06.03.2007	04.04.2007		4,2	roof	24.985,00 €	4.620,00 €	403,20 €	5.772,00 €	2.020,20 €	900	3.780				
76	Böhmern Roger	Taunusstr. 2/4, 74172 Neckarsulm	13.03.2007		03.04.2007			2,7	roof	16.541,00 €	4.158,00 €		4.158,00 €	1.455,30 €	900	2.430				
77	Bender Michael	Sigmund-Loewe-Str. 3, 74172 Neckarsulm	14.03.2007		11.04.2007	15.05.2007		4,7	roof	27.985,17 €	4.620,00 €	554,40 €	6.204,00 €	2.171,40 €	900	4.185				
78	Josefs Michael	Mecklenburger Str. 25, 74172 Neckarsulm	21.03.2007	02.04.2007	29.05.2007	29.05.2007		4,1	roof	23.673,80 €	4.620,00 €	364,56 €	5.661,60 €	1.981,56 €	900	3.677				
79	Lang Ulrich	Steinachstr. 103, 74172 Neckarsulm	26.03.2007	08.06.2007	21.05.2007	12.06.2007	y	3,1	roof	16.458,18 €	4.620,00 €	22,88 €	4.696,80 €	1.643,88 €	900	2.772				
80	Fraunhofer Peter	Stappachweg 102, 74172 Neckarsulm	02.04.2007	10.04.2007	02.04.2007	11.04.2007		4,3	roof	22.591,67 €	4.620,00 €	443,52 €	5.887,20 €	2.020,20 €	900	3.888				
81	Bogner Nicole	Hofackerstr. 3, 74172 Neckarsulm	04.04.2007	17.05.2007	20.06.2007	20.06.2007		4,0	roof	23.206,34 €	4.620,00 €		4.620,00 €	1.617,00 €	900	3.623				
82	Bok Antonie	Bleichstr. 28, 74172 Neckarsulm	10.04.2007	02.05.2007	02.05.2007	02.05.2007		3,2	roof	18.046,89 €	4.620,00 €	50,40 €	4.764,00 €	1.667,40 €	900	2.835				
83	Zimmermann Walter	Zabergäustr. 7, 74172 Neckarsulm	10.04.2007	10.04.2007	30.05.2007	30.05.2007		4,1	roof	21.373,97 €	4.620,00 €	359,52 €	5.647,20 €	1.976,52 €	900	3.663				
84	Vichl Reiner	Mecklenburger Str. 5, 74172 Neckarsulm	26.04.2007		01.06.2007			3,0	roof	15.531,88 €	4.620,00 €		4.620,00 €	1.617,00 €	900	2.705				
85	Eger Roland	Taunusstr. 2/3, 74172 Neckarsulm	16.04.2007		22.05.2007			2,8	roof	16.759,91 €	4.312,00 €		4.312,00 €	1.509,20 €	900	2.520				
86	Dollmann Bernd	Zabergäustr. 5, 74172 Neckarsulm	03.05.2007	27.05.2007	30.05.2007	30.05.2007		4,0	roof	20.503,14 €	4.620,00 €	339,36 €	5.589,60 €	1.956,36 €	900	3.609				
87	Bühning Elke	Palmstr. 4, 74172 Neckarsulm	16.05.2007	13.06.2007	13.06.2007	13.06.2007	y	10,4	roof	54.007,85 €	4.620,00 €	2.469,60 €	11.676,00 €	4.086,60 €	900	9.315				