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From:	Secretary-General of the European Commission, signed by Mr Jordi AYET PUIGARNAU, Director
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To:	Mr Uwe CORSEPIUS, Secretary-General of the Council of the European Union
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Subject:	ANNEX to the REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND THE COUNCIL on the implementation of the work under the nuclear decommissioning assistance programme to Bulgaria, Lithuania and Slovakia in the period 2010-2014

Delegations will find attached document COM(2015) 78 final ANNEX 1.

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EUROPEAN
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ANNEX 1

ANNEX

to the

**REPORT FROM THE COMMISSION TO THE EUROPEAN PARLIAMENT AND
THE COUNCIL**

**on the implementation of the work under the nuclear decommissioning assistance
programme to Bulgaria, Lithuania and Slovakia in the period 2010-2014**

BULGARIA

Table 1 - Summary Financial Data for Bulgaria (in € million)

	Until 2009	2010-2013	Jan-Sep 2014	Total
Contribution from EU	568	300	0	868
Contribution from other sources	15	0	0	15
Interest	23	6	0	29
Total credits	606	306	0	911
Transferred from EU	363	188	79	630
Transferred from other sources	14	0	0	14
Interest	23	6	0	29
Total cash credited	400	194	80	673
Allocated to projects	513	384	-36*	861
Signed contracts	328	229	51	608
Disbursed against signed contracts	173	255	37	465
Cumulative Costs	5	3	0	8

(*) A decommissioning project was greatly reduced in scope and another, for the construction of a heat generation plant, was cancelled. The corresponding grant agreements, totalling €41 million, were closed and the corresponding funds decommitted.

Table 2 – Highlights of key projects supported in Bulgaria

<i>Decommissioning Window</i>	
<u>Decontamination & Dismantling</u>	Approximately 4000 tons of material has been dismantled to date in turbine halls 1-4, generally in line with the target. Decommissioning license of Kozloduy Nuclear Power Plant units 1 and 2 has been released in November 2014.
<u>Characterisation</u>	The radiological inventory of units 1-4 is on-going: calculations for activation and contamination are complete, whereas sampling to establish the nuclide vectors is in course.
<u>Waste Treatment and Conditioning</u>	For the plasma melting facility all supporting documents have been submitted and the final construction permit issue is expected in 2014. Preliminary construction works have started. Sampling of the evaporator concentrates has been completed. Pending finalisation of the samples analysis, the contractor's financial proposal for the treatment stage is currently subject to independent review. The construction permit of the size reduction and decontamination workshop has been issued. Construction works started immediately after.
<u>Waste Interim Storage and Disposal</u>	Active commissioning of the spent fuel store was completed with receipt of 6 filled casks. The application for the operational licence is in its final stage of preparation. The need to repeat the Environmental Impact Assessment for the National Disposal Facility will delay the construction. In the meantime, the preparatory work, such as pre-disposal monitoring of the site and infrastructure preparation is proceeding on schedule.
<i>Energy window</i>	
<u>Rehabilitation of the Maritza East 2 Thermal Power Plant</u>	Installation of a gypsum dewatering system was completed. The rehabilitation of the cooling pump station is going to be completed in the first quarter 2015.
<u>Refurbishment and extension of the national electricity distribution system.</u>	The rehabilitation of Tsaravetz, Bourgas, Metallurgichna, Zlatitza and Mayak substations has been completed and the substations are in operation. A completion certificate has been issued for Kavarna substation, and operational acceptance is expected by the end of October 2014.

<p><u>Construction of high pressure gas pipelines and gas regulation stations.</u></p>	<p>Construction works are almost completed, with the exception of a small section of the pipeline in the protected area of Suhata Reka.</p>
<p><u>Energy efficiency measures in public buildings.</u></p>	<p>A large project - the rehabilitation of the main building of Ruse University - has been completed.</p> <p>As at 5 October 2014, energy efficiency measures had been fully implemented in 120 out of a total of 168 public buildings.</p> <p>Energy efficiency measures were completed in all 49 municipal buildings in Burgas, Plovdiv and Stara Zagora in 2013.</p>

LITHUANIA

Table 3 - Summary Financial Data for Lithuania (in € million)

	Until 2009	2010-2013	Jan-Sep 2014	Total
Contribution from EU	875	492	0	1367
Contribution from other sources	33	0	0	33
Interest	49	7	0	56
Total credits	957	499	0	1456
Transferred from EU	712	324	50	1085
Transferred from other sources	33	0	0	33
Interest	49	7	0	56
Total cash credited	794	331	50	1174
Allocated to projects	862	348	-16	1194
Signed contracts	772	356	9	1137
Disbursed against signed contracts	422	449	94	965
Cumulative Costs	6	6	0	12

Table 4 – Highlights of key projects supported in Lithuania

<i>Decommissioning Window</i>	
<u>Decontamination & Dismantling</u>	The primary circuit decontamination is currently on-hold following an unsuccessful attempt at decontamination. Legal action against the contractor is on-going. The plant operator continues to develop a recovery strategy for the project. More than 8000 tons of material has been dismantled from 2010 to date in the turbine hall.
<u>Waste Treatment and Conditioning</u>	Solid waste management and storage facility: construction and installation works are progressing without major delays. The engineering and licensing activities in preparation for the cold tests are progressing in line with the revised schedule.
<u>Waste Interim Storage and Disposal</u>	Interim storage for spent fuel assemblies: civil construction works are completed and cold trials of installed equipment are on-going. Engineering works and casks manufacturing are proceeding in line with the revised schedule. The spent fuel pool hall cranes upgrade is progressing despite ongoing commercial disputes between the contractor and the INPP. This project is on the critical path of the defueling operations in the Ignalina Nuclear Power Plant unit 2. The project of the Near Surface Repositories should reach a major milestone with the submission by the contractor of the Technical Design Document before the end of 2014. The project of the Landfill Disposal Facility is delayed and still in the procurement stage.
<i>Energy Window</i>	
<u>Combined Cycle Gas Turbine Power Plant</u>	A new 455 MW combined cycle gas turbine power plant has been in operation since 15 October 2012 in accordance with the demand schedule of the Lithuanian transmission system operator LITGRID AB.
<u>Visaginas district heating</u>	The two gas-fired boilers for district heating have been replaced and half of the buildings have been upgraded with new heat exchangers.
<u>Energy efficiency upgrading of multi-apartment residential and public buildings</u>	Good progress achieved in Ignalina with 33 buildings upgraded over 67 contracted. Difficulties were encountered in developing the projects in Zarasai and Visaginas.
<u>Power interconnection between Lithuania and Poland</u>	The construction works of the LitPol Link project continues progressing well with co-financing from the European Commission. End of December 2015 remains the date for completion of the first (500 MW) part of the project.

SLOVAKIA

Table 5 - Summary Financial Data for Slovakia (in € million)

	Until 2009	2010-2013	Jan-Sep 2014	Total
Contribution from EU	364	248	0	612
Contribution from other sources	11	0	0	11
Interest	11	3	1	15
Total credits	386	251	1	638
Transferred from EU	168	158	36	362
Transferred from other sources	11	0	0	11
Interest	11	3	1	15
Total cash credited	190	161	36	388
Allocated to projects	272	275	76	623
Signed contracts	87	193	19	299
Disbursed against signed contracts	65	144	28	237
Cumulative Costs	5	3	0	8

Table 6 – Highlights of key projects supported in Slovakia

<i>Decommissioning Window</i>	
<u>Decontamination & Dismantling</u>	<p>Visible results were achieved, in particular emptying the turbine hall of metallic equipment (97% achieved) and concrete structures.</p> <p>The equipment for the primary circuit decontamination has been delivered, installed and the first tests have been successfully completed. Decontamination is planned to be completed in the first quarter 2015.</p> <p>The first stage of the decommissioning license will end in 2014. The second stage to enable dismantling in contaminated areas is expected to start in January 2015.</p>
<u>Waste Treatment and Conditioning</u>	<p>The project for treating sludge and sorbents has been amended to account for higher volumes and activities than initially estimated. It is progressing well and on schedule.</p>
<u>Waste Interim Storage and Disposal</u>	<p>Projects are progressing and on schedule for the design of the new very low level waste repository and enlargement of the existing low and intermediate level waste –short lived SL repository.</p>
<i>Energy window</i>	
<u>Renewal of the transmission system</u>	<p>TR Bošáca - Transformer T402. The defect notification period was concluded on 3 August 2014.</p> <p>Transformation 400/110kV in TR Medzibrod. The defect notification period is ongoing and will end on 29 September 2015. To date, no defects have been reported.</p> <p>400 kV Transmission Lines for ES Medzibrod. The defect notification period is ongoing and will end on 29 September 2015. All currently known outstanding defects were remedied.</p> <p>Recultivation and revitalisation works in forest lands affected by the project were completed on 30 September 2014.</p>
<u>Sustainable Energy Finance Facility</u>	<p>Calculations show that investments in the residential and industry sectors have achieved average energy savings of 33% and 17% respectively.</p>
<u>Energy Efficiency Projects in Public Buildings</u>	<p>All projects have been completed.</p>