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PART III – List of Documents, Exhibits, And Other Attachments

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Section J

Appendix G

DOE Research and Development Bilateral And Multilateral Agreements

Office of Policy and International Affairs

All In Force Bilateral Agreements

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
Cou	intry	: Argentin	<u>ia</u>						
61	407	8/1/1996	8/1/2001	Primary DOE			None	Energy Research and Development	Energy Technology Cooperation
	Title	Specific Arrai Cooperation	ngement betw	ween the Department of I	Energy of t	he Unite	ed States of America ar	nd the Public Works and Services Secretariat of the Argen	tine Republic in the Area of Energy Technology
Co	mment:	renewable proj	ects started u		t which wa			or the Energy Sector was held in Buenos Aires in Dec 98. E In Dec of 97 four priority areas of work were identified - e	
62	409	10/16/199	10/16/200	Primary DOE			None	Arms Control and Nonproliferation	Nuclear Technologies
	Title			nt between the Departme Peaceful Uses of Nuclea		gy of the	United States of Ame	rica and the National Atomic Energy Commission of the A	rgentine Republic for Technical Exchange and
Co	mment			ment supporting Article advanced fuels.	IV of the N	IPT. Ex	isting annexes cover wo	ork in Molybdenum-99 production for LEU, boron neutron	capture therapy, decontamination and
475	431	4/13/1998	10/16/200	Secondary DOE		62	Primary DOE	Arms Control and Nonproliferation	Annex 1 - LEU Moly-99 production
	Title	Project Annex	cl Cooperat	ion in the Field of Moly	bdenum-99	Produc	tion from Low-Enrich	ed Uranium	
Co	mment	In force as lon	g as the Impl	ementing Arrangement.	Action she	ets are u	nder development.		
521	431	2/8/1999	2/8/2003	Tertiary DOE		475	Secondary DOE	Nuclear Energy	Action Sheet 1 - Project Annex 1
	Title			Project Annex 1 for Co y of Chicago, as Operato				Production for Low-Enriched Uranium between the Nati	onal Atomic Energy Commission of he Argentine
Co	mment								
476	431	4/13/1998	10/16/200	Intergovernmental		62	Primary DOE	Arms Control and Nonproliferation	Annex 2 - Boron Neutron Capture Therapy
	Title	Project Annex	2 Cooperat	ion in the Area of Boror	Neutron	Capture	Therapy		
. Co	mment:	In force as lon	g as the Impl	ementing Arrangement.	Expert visi	ts are un	derway.		
503	431	8/11/1998		Tertiary DOE		476		Arms Control and Nonproliferation	Action Sheet 1
	Title	Action Sheet	l Pursuant to	o Project Annex 2 Coope	ration in th	he Field	of Boron Neutron Cap	nture Therapy	
Co	mment	Technical excl	hange visits.						

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
477	431	4/13/1998	10/16/200	Secondary DOE		62	Primary DOE	Arms Control and Nonproliferation	Annex 3 - D&D of Nuclear Facilities
	Title:	Project Annex	3 Cooperat	ion in the Field of Deco	ntaminatio	n and De	commissioning of Ni	uclear Facilities	
Cor	nment:	In force as lon	g as the Impl	ementing Arrangement.	Workshop	was succ	essfully held in fall of	f 98 at ANL.	
496	431	8/18/1998	10/16/200	Secondary DOE		62	Primary DOE	Arms Control and Nonproliferation	Annex 4 - Advanced Fuels
	Title:	Project Annex	4 Cooperat	ion in Field of Low Eni	iched Uran	ium Adv	anced Fuels		
Cor	nment:	Remains in for	ce as long as	the Implement Arrange	ment. Actio	on sheets	are under developme	nt.	
555	431	2/8/1999	2/8/2003	Tertiary DOE		496	Secondary DOE	Arms Control and Nonproliferation	Action Sheet 1 Annex 4, Dart Code Development
				Project Annex 4 for Co of Chicago, as Operato	·			Uranium Advanced Fuels between the National Atomic En	ergy Commission of the Argentine Republic
Cor	nment:								
63	331	4/18/1994	4/18/2004	Primary DOE			None	Arms Control and Nonproliferation	International Safeguards Applications
								gy Commission of Argentina Concerning Research and De ce Technology for International Safeguards Applications	velopment in Nuelear Material Control,
Cor				lopment, testing, and ev surveillance technologies				ocedures in order to improve nuclear material control, accour	ntancy, verification, physical protection and
64	387	5/29/1996	5/29/2006	Primary DOE			None	Environmental Restoration and Waste Management	Radioactive and Mixed Waste Management
				nt between the Departm Radioactive and Mixed				erica and the National Atomic Energy Commission of the A	rgentine Republic for Technical Exchange and
Со				d waste management act al in geologic formation		ich areas	as: preparation and pa	ackaging; decontamination and decommissioning; surface an	d subsurface storage; characterization of
Cou	ntry:	Australi	a						

Country: <u>Australia</u>

509	456	9/15/1998	9/14/2008	Primary DOE	None	Arms Control and Nonproliferation	Safeguards Arrangement
	Title:	Arrangement	between the	United States Department of Energy and the	e Australian Safeguard	s and Nonproliferation Office Concerning Research and l	Development in Nuclear material Control
	7	Accountancy,	Verification,	Physical Protection, Advance Containment	and Surveillance Tech	nologies for International Safeguards	

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Country: Austria

All In Force Bilateral Agreements

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
65	337	9/18/1994		Primary DOE			None	Energy Efficiency and Renewable Energy	EE/Conservation and Climate Change
	Title:	Memorandun	n of Understa	inding on Cooperation i	n Environn	nental Aspe	ects of Energy Poli	cy and the Protection of Global Climate	
Co	mment:	Cooperate in a	areas of suffic	cient growth of energy su	upplies; ener	rgy efficien	cy and conservation	n measures and protection of the biosphere (climate ch	ange).
Cou	intry:	Banglad	lesh						
501	450	12/15/199		Statement of Intent		ו	None	Energy Research and Development	SOI in Enregy Cooperation
	Title:	Joint Stateme	nt of Cooper	ation in Energy					
Co	mment:								
514	460	2/11/1999	2/11/2004	Primary DOE		ſ	None	Information and/or Personnel Exchange	Exchange of Energy Information
	Title:			Department of Energy o	of the United	d States of	America and the M	linistry of Energy and Mineral Resources, Governme	ent of the People's Republic of Bangladesh for Exchange
_		of Energy Inf							
Co	mment:	EIA will work	with an ager	icy designated by MEON	MR to establ	lish a reaso	nably balanced exc	hange of energy information.	
G									
Cou	intry:	<u>Botswan</u>	a						
600	495	12/15/200		Statement of Intent		1	None	Fossil Energy	Cooperation in the Field of Fossil Energy
		Statement of I Field of Fossil			nergy of the	e United St	ates of America an	d The Ministry of Minerals, Energy and Water Affai	rs of the Republic of Botswana for Cooperation in the
Co	mment:								
Cou	intry:	<u>Brazil</u>							
26	391	9/30/1996		Statement of Intent		ז	None	Fossil Energy	Clean Coal Technologies
								f the United States of America and the State of Rio G nes and Energy of the Federal Republic of Brazil	rande do Sul and the State of Santa Catarina, and the
Co				een DOE, the State of Rabal technologies.	io Grande d	o Sul, the S	State of Santa Catar	ina, The Sindicato National da Industria da Extracao d	o Carvao, Electrobras, and the Ministry of Mines and
655	550	6/20/2003	6/20/2008	Primary DOE		1	None	Science and Technology	Cooperation in Nuclear Energy
	Title:	Agreement be Energy	tween the De	epartment of Energy of t	the United S	States of Ai	nerica nd the Mini	stry of Science and Technology of the Federative Rep	ublic of Brazil Concerning Cooperation in Nuclear
Co	mment:								

11)	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
7.	5	412	10/14/199	10/14/200	Primary DOE			None	Energy Research and Development	Energy Technology
		Title:	Implementing	Arrangemer	nt between the United St	ates of Am	erica and	the Federative Repu	blic of Brazil for Cooperation in the Area of Energy Tech	nology
0	Com	ment:	Umbrella Agre	ement						
27	9	412	10/14/199	10/14/200	Secondary DOE		75	Primary DOE	Fossil Energy	Annex 1 - Coal and Power Systems
			Annex I to the Power Systems		ng Arrangement betwee	n the Unite	ed States	of America and the F	ederative Republic of Brazil for Cooperation in the Area	of Energy Technology in the Field of Coal and
(Com	ment:	Exchange exp	erience and v	iews on clean coal technol	ologies, ad	vanced po	ower systems, advance	ed coal preparation, and environmental monitoring technological	ogies and standards.
28	80	412	10/14/199	10/14/200	Secondary DOE		75	Primary DOE	Energy Efficiency and Renewable Energy	Annex 2 - Renewable Energy
			Annex II to th Energy	e Implement	ing Arrangement betwee	en the Unit	ted States	of America and the	Federative Republic of Brazil for Cooperation in the Area	of Energy Technology in the Field of Renewable
C	Com	ment:	Collaboration	on renewable	s resource assessment, in	ntegration i	n electric	utility, policy analysi	s, and identification of opportunities for renewable energy	in Brazil.
28	31	412	10/14/199	10/14/200	Secondary DOE		75	Primary DOE	Energy Efficiency and Renewable Energy	Annex 3- Energy Efficiency
			Annex III - to Efficiency	the Implenie	enting Arrangement bety	veen the U	nited Sta	tes of America and th	e Federative Republic of Brazil for Cooperation in the Ar	ea of Energy Technology in the Field of Energy
C	Com	ment:	Collaboration	to increase er	nergy, efficiency, promot	e global en	ivironmer	ntal protection, and sti	mulate the market in Brazil for energy efficiency goods and	d services.
7	6	332	4/18/1994	4/18/2004	Primary DOE			None	Arms Control and Nonproliferation	International Safeguards Applications
		Title:	•					0	gency for Accounting and Control of Nuclear Materials (Technologies for International Safeguards Applications	Concerning Research and Development in Nuclear
0	Com	ment:								
7	7	376	9/19/1995	9/19/2000	Primary DOE			None	Arms Control and Nonproliferation	International Safeguards Applications
									rgy Commission of Brazil Concerning Research and Deve illance Technologies for International Safeguards Applic	
C	Com	ment:								
65	51	546	9/17/2001	9/17/2006	Secondary DOE		77	Primary DOE	Arms Control and Nonproliferation	Extension - Agreement bet. DOE and the National Nuclear Energy Commission
		Title:	Agreement to Nuclear Mater	Extend the A rial Control, .	lgreement between the L Accountancy, Verification	Department on, Physica	t of Energ al Protect	gy of the United State lion, and Advanced Co	s and the National Nuclear Energy Commission of Brazil ontainment and Surveillance Technologies for Internation	Concerning Research and Development in nal Safeguards Applications
Ċ	Com	ment:	5- year extens	ion						

Country: Canada

I	D	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
2	28	363	7/21/1995		Statement of Intent		21	Broad	Energy Efficiency and Renewable Energy	Building Energy Simulation Tools
		Title:	Statement of I	ntent betwee	n the United States Dep	artment of	Energy a	and the Department of	f Natural Resources of Canada on Building Energy Simu	lation Tools
	Com	ment:	Collaborate in	building ene	rgy simulation R&D and	informatio	n dissem	ination.		
6	14	509	10/22/200	10/22/200	Primary DOE			None	Energy Efficiency and Renewable Energy	Arrangement between DOE and Dept. of Natural Resources Canada
			Implementing and Communi			ent of Energ	gy of the	United States of Ame	rica and the Department of Natural Resources Canada fo	r Cooperation in the areas of Microgeneration
	Com	ment:								
6	32	527	5/10/2000	5/10/2005	Primary DOE			None	Science and Technology	Cooperation in the area of Bioenergy
		Title:	Implementing	Arrangemen	nt between the United St	ates Depart	tment of	Energy and the Depa	rtment of Natural Resources of Canada for Cooperation i	n the area of Bioenergy
	Com	ment:								
6	56	551	6/17/2003	6/17/2008	Primary DOE			None	Nuclear Energy	Nuclear Energy Research
			Implementing area of Nuclea			ates Depart	tment of	Energy and the Depa	rtment of Natural Resources of Canada and Atomic Ener	gy of Canada Limited for Collaboration in the
	Com	ment:	Foreign Party	for Atomic E	nergy of Canada Limited	l signed this	s agreeme	ent also on June 17, 20	003.	
8	31	425	3/18/1998	3/18/2008	Primary DOE			None	Energy Research and Development	Energy R&D
			Memorandum Development	of Understa	nding between the Depa	rtment of I	Energy oj	the United States of	America and the Department of Natural Resources of Ca	nada on Collaboration in Energy Research and
	Com	ment:	Establish wide	r areas of coo	operation for mutual bene	efit				
5	24	469	2/1/2000	2/1/2005	Secondary DOE		81	Primary DOE	Fossil Energy	DOE/NRCan Fuel Cells Implementing Arrangement
		Title:	Implementing	Arrangemen	nt between the Departme	nt of Energ	gy of the	United States of Ame	rica and the Department of Natural resources Canada for	Cooperation in the area of Fuel Cells
	Com	ment:	Automatic Rer	newal after 5	years with written agreen	ment of the	participa	nts.		
5	25	470	2/1/2000	2/1/2005	Secondary DOE		81	Primary DOE	Fossil Energy	DOE/NRCan Fossil Fuels Implementing
		Title:	Implementing	Arrangemen	nt between Department o	f Energy o	f the Uni	ited States of America	and the Department of Natural Resources Canada for Co	poperation in the area of Fossil Fuels
	Com	ment:	Automatic ren	ewal for 5 ye	ars with written agreeme	nt of the pa	rticipants	5.		

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
646	541	9/11/2002	9/11/2007	Tertiary DOE		525	Secondary DOE	Fossil Energy	Project Annex I - Weyburn CO2 Sequestration
				CO2 Sequestration Properties of the content of the			ementing Arrangeme	nt Between the Department of Energy of the United S	States of America and the Department of Natural
Com	ment:								
27	341	11/18/199		Statement of Intent		21	Broad	Energy Efficiency and Renewable Energy	Biennial Biomass Conf. of the Americas
	Title:	Statement of	Intent betweer	n the United States Dep	artment of l	Energy a	and the Department of	Mines and Resources on Biennial Biomass Confere	nce of Americas
Com	ment:	Collaborate in	a biennial con	nference to present the la	atest results	in biom	ass energy research and	d development.	
		-							
Cour	itry:	<u>Chile</u>							
35	352	3/7/1995		Statement of Intent			None	Energy Efficiency and Renewable Energy	Control Emissions of Greenhouse Gases
				tainable Development (Vational Energy Commi			nt Implementation of	Measures to Control Emissions of Greenhouse Gase	s Between the Department of Energy of the United
Com				opment of joint impleme ion and training program		ects in o	rder to encourage: ma	rket deployment of greenhouse gas-reducing technolo	gies, including energy efficiency and renewable
474	430	4/18/1998	4/12/2000	Statement of Intent			None	Energy Efficiency and Renewable Energy	Natural Gas-Powered Bus Pilot Project
	Title:	Statement of	Intent Concer	ning the Natural Gas-H	owered Bus	s Pilot P	roject in the Metropol	itan Region of Chile	
Com	ment:	Signed in San	tiago, Chile, d	uring the SOAII					
Cour	itry:	<u>China</u>							
1	427	1/31/1979	4/30/2001	Intergovernmental			None	Science and Technology	Gov't to Gov't S&T
	Title:	Agreement be	tween the Go	vernment of United Sta	tes of Amer	ica and i	the Government of Pe	ople's Republic of China on Cooperation in Science	and Technology
Com	ment:	Need copy of	agreement						
238	123	5/11/1983	4/30/2001	Primary DOE		1	Intergovernmental	Fusion Energy	Protocol on Nuclear Physics and Magnetic Fusion
·				rtment of Energy of the gnetic Fusion Research		tes of An	nerica and the Ministi	y of Science and Technology of the People's Republi	ic of China on Cooperation in the Fields of Nuclear
Com	ment:	Cooperate in p	promoting eac	h other's program in Nu	clear Physic	s and Co	ontrolled Magnetic Fus	ion. Co-terminates with umbrella S&T agreement.	
290	223	9/28/1987	4/30/2001	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 2 - Mine Safety and Health
		Annex II to th	he Protocol or					pment between the Department of Energy of the Uni	ted States of America and the Ministry of Coal Industry
Com	ment:	Co-terminates	with the Prot	ocol					

ĨD	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
291	217	8/19/1987	4/30/2001	Secondary DOE		239	Primary DOE	Energy Research and Development	Annex 3 - Atmospheric Trace Gasses
	Title:	Annex III to	the protocol o	on fossil energy R&D on	Cooperatio	on in the	e field of atmospheric	trace gases	
Con	nment:	Co-terminates	with the Prot	locol					
292	226	10/13/198	4/30/2001	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 4 - Coal Preparation & Waste Stream Utilization
		Annex IV to p and waste stre			sil energy l	R&D bet	ween U.S. Departmen	t of Energy & Ministry of Coal Industry of the People'	s Republic of China in the area of coal preparation
Con	nment:	TASKS PLA	NNED WERI	E COMPLETED IN 10/9	0, DISCU	SSIONS	ON POSSIBLE FUR	THER COOPERATION IN COAL PREP. Co-terminate	es with the Protocol
293	227	10/13/198	4/30/2001	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 5 - Atmospheric Fluidized Bed Combustion Info Exchange
				operation in field of foss stion information excha		&D betw	een U.S. Department	of Energy - Ministry of Coal Industry of the People's I	Republic of China in the area of atmospheric
Con	nment:	EXCHANGE	OF REPORT	S AND DATA. Co-term	inates with	Protocol			
296	349	2/23/1995	2/23/2000	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 11 - Coal Bed Methane Recovery and Utilization
				or Cooperation in the F China for Cooperation				lopment between the Department Energy of the United y and Utilization	States of America and the Ministry of Coal Industry
Con			0	economic cooperation in al gas energy resources.	coal bed m	nethane re	ecovery and utilization	a technology in order to make positive contributions towa	ard improving recovery efficiency and utilization
297	348	2/23/1995	2/23/2000	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 12 - Regional Climate Research
								lopment between the Department Energy of the United h with the China Meteorological Administration	States of America and the Ministry of Coal Industry
Con	nment:	Establish a pr	ogram of joint	t R&D and information e	xchange to	documer	nt regional climate and	d climate change, to predict regional climate and climate	change and to identify regional impacts of climate
485	439	11/14/199	11/14/200	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 13 - Fossil Fuel Utilization
				for Cooperation in the public of China in the A				velopment between the Department of Energy of the Un tion of Chemicals	ited States of America and the Ministry of Coal
· Con	nment:	Co-terminiate	s with Protoco	วโ					
298	413	11/14/199	11/14/200	Secondary DOE		239	Primary DOE	Fossil Energy	Annex 14 - Bilateral Consultations on Coal Industry
	Title:	Annex XIV to of the People	o the Protocol 's Republic of	for Cooperation in the China on Bilateral Cor	field of Fos sultations	sil Energ and Exc	gy Research & Develo hanges on Coal Indus	opment between the Department of Energy of the Unite stry Development and Information	d States of America and the Ministry of Coal Industry
Con	nment:	Co-terminates	with the Prot	locol					

Thursday, July 17, 2003

ID	File	Start # Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
618	512	12/7/2000	12/7/2005	Secondary DOE		239	Primary DOE	Fossil Energy	Annex III - for Cooperation in the areas of Oil and
	Titl			for Cooperation in the F of the People's Republi					Energy of the United States of America and The Ministry
C	ommen	t:							
240	35	2/23/1995	2/22/2005	Primary DOE		ł	Intergovernmental	Energy Efficiency and Renewable Energy	Protocol for Energy Efficiency and Renewable
	Titl			in the Fields of Energy l d Technology of the Peo				logy Development and Utilization between the Dep	partment of Energy of the United States of America and
С	ommen			energy consultations by nd technologies.	forming a C	hinese-A	merican Ministerial V	Vorking Group to enhance the understanding of ener	gy issues and promote the exchange of information on
478	3 433	6/27/1995	6/27/2000	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 1 - 100 Counties Renewable Energy
	Titl	Technology a	f the People's	Republic of China for	Developing	Coopera	tive Activities in the A		nited States of America and the Ministry of Science and unties Integrated Rural Energy Development Program in
С	ommen	t: Remains in f	orce for five y	ears or until termination	of the Proto	col, whic	chever occurs first		
299	9 420	10/25/199	10/25/200	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 2 - Wind Energy Development
	Titl	of China AN	NEX II under		ation in th	e Fields o	of Energy Efficiency	and Renewable Energy Technology Development a	d the Ministry of Electric Power of the People's Republic and Utilization between the Department of Energy of the
С	ommen	t: Remains in f	orce for five y	ears or until termination	of the Proto	col, whic	chever occurs first.		
300	9 422	10/25/199	10/25/200	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 3 - Energy Efficiency
	Titl	America and	the State Sci		ommission	of the Pe	ople's Republic of Ch		between the Department of Energy of the United States of nergy of the United States of America and the State
C	ommen	t: Remains in f	orce for five y	ears or until termination	of the Proto	col, whic	chever occurs first		
30	=			Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 4 - Renewable Energy Business Development
	Titl	e: Renewable E People's Rep			(IV Coope	rative Ac	tivities between the D	epartment of Energy of the United States of Ameri	ca and the State Economic and Trade Commission of the
Ċ	ommen	t: Remains in f	orce for five y	ears or until termination	of the Proto	col, whic	chever occurs first		
302				Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 5 - Electric Vehicle Development
	Titl	e: The Departn Renewable E	ient of Energ nergy Techno	y of the United States of logy Development and U	America a Itilization A	nd the M Annex V	inistry of Science and Electric Vehicle and	l Technology of the People's Republic of China for Hybrid-Electric Vehicle Development	Cooperation in the Field of Energy Efficiency and
С	ommen	t: Remains in f	orce for five y	ears or until termination	of the Proto	ocol, whic	chever occurs first.		

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
303	415	11/18/199	11/18/200	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 6 - Geothermal Production and Use
	Title:	China Annex	VI under Th	nd Use Cooperative Activ e Protocol for cooperation State Science and Techn	on in the Fi	eld of E	nergy Efficiency and i	of the United States of America and the Ministry of Sc enewable Energy Technology Development and Utili, lic of China	cience and Technology of the People's Republic of zation between the Department of Energy of the United
Co	mment:	Remains in fo	orce for five y	ears or until termination	of the Proto	col, whi	chever occurs first.		
490	443	7/9/1998		Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Design Criteria for Energy Efficient Building
	Title:	Statement of	Work betwee	n the Department of En	ergy of the	United S	tates of America and i	the Ministry of Science and Technology of the People	's Republic of China
Co	mment:								
563	486	5/11/2000	5/11/2005	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex 7 - Renewable Energy Policy and Planning
		Renewable E People's Repu			I Cooperati	ve Activ	ities between Departm	ent of Energy of the United States of America and the	e State Development Planning Commission of the
Co	mment:	Remains in fo	orce for five y	ears or until termination	of the Proto	col, whi	chever occurs first.		
616	511	7/18/2001		Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Design Criteria for Energy Efficient Building
	Title:	Amendment	to The Statem	ent of Work of July 9, 1	998 betwee	n The D	epartment of Energy of	of the United States of America and The Ministry of S	cience and Technology of the People's Republic of
Co	mment:								
621	516	2/12/2002	2/12/2007	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex II - The State Power Corporation of China
								ciency and Renewable Energy Technology Developme nd the State Power Corporation of China	ent and Utilization for Cooperative Activities in Wind
Co	mment:								
622	517	2/12/2002	2/12/2007	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex III - State Planning Commission
								Energy Efficiency and Renewable Energy Technolog merica and the State Planning Commission of the Pec	
Co	mment:								
623	518	2/12/2002	2/12/2007	Secondary DOE		240	Primary DOE	Energy Efficiency and Renewable Energy	Annex IV - State Economic and Trade Commission
·•	Title:	Agreement to Activities in K	o Extend and Renewable En	Amend Annex IV to the erby Business Developm	Protocol fo tent betwee	r Coope n the De	ration in the Fields of partment of Energy oj	Energy Efficiency and Renewable Energy Technolog (the United States of America and the State Economic	y Development and Utilization for Cooperative c and Trade Commission of the People's Republic of
Co	mment:								
241	38	1/31/1979	4/30/2001	Primary DOE		1	Intergovernmental	High Energy Physics	High Energy Physics
		Implementin Physics.	g Accord betv	veen the U.S. Departme	nt of Energy	and the	e State Scientific and T	Technological Commission of the People's Republic o	f China on Cooperation in the Field of High Energy
Co	mment:	Co-Terminate	es with the S&	T Agreement					
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ID	Filet	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
242	311	11/4/1992	11/4/2002	Primary DOE		1	Intergovernmental	High Energy Physics	Superconducting Super Collider
	Title	Implementing	Accord betw	veen the U.S. Departmen	t of Energ	y and the	e Chinese Academy of	Sciences for a Program of Collaboration on the Supercon	ducting Super Collider
Co	omment								
522	467	1/12/2000	1/12/2005	Primary DOE		t	Intergovernmental	Information and/or Personnel Exchange	Exchange of Energy Information
	Title	Protocol for C Republic of C		Concerning the Exchang	e of Energ	y Inform	ation between the De	partment of Energy of the United States of America and th	e National Bureau of Statistics of the People's
C	omment								
531	476	4/20/2000	4/30/2001	Primary DOE		1	Intergovernmental	Fossil Energy	Fossil Energy Protocol
	Title			in the Field of Fossil End Republic of China	ergy Techn	ology De	evelopment and Utiliza	ation between the Department of Energy of the United Stat	es of America and the Ministry of Science and
C	omment	Remains in fo	rce for 5 year	s from date of signature of	or as long a	is the Un	brella Agreement (US	S-China S&T) remains in force, whichever is shorter.	
649	544	11/19/200	11/19/200	Secondary DOE		531	Primary DOE	Fossil Energy	Annex II - Cooperation in the area of Clean Fuels
	Title			n Cooperation in the Fie of the People's Republic				inent and Utilization between The Department of Energy of f Clean Fuels	f the United States of America and The Ministry
C	omment	:							
3	410	10/29/199		Intergovernmental			None	*Other - Energy and Environment	Energy and Environment Cooperation Initiative
	Title	: United States	of American	and People's Republic of	of China E	nergy an	d Environment Coope	eration Initiative	
C	omment	:							
31	347	2/23/1995		Statement of Intent			None	Nuclear Energy	Research Reactor Fuel
	Title	Statement of	Intent betwee	en the Department of En	ergy of the	United S	States of America and	the China Atomic Energy Authority of the People's Repub	lic of China on Research Reactor Fuel
C	omment	Exchange info	ormation and	views on opportunities fo	or the conve	ersion of	research reactors to th	e use of low enriched uranium.	
493		6/29/1998		Primary DOE			None	Nuclear Energy	Nuclear Technologies Agreement
	Title	: Agreement be Peaceful Uses			he United S	States of	America and the State	e Development Planning Commission of the People's Repu	blic of China on Cooperation Concerning
. Co	omment	Subject to the	Gov't to Gov	't Peaceful Uses of Nucle	ar Energy	Agreeme	nt signed July 23, 198	5.	
494	445	6/29/1998	6/29/2003	Secondary DOE		493	Primary DOE	Nuclear Energy	Annex 1 - IPR
	Title	: Annex I- Inte	llectual Prop	perty					
C	omment	Attached to or	riginal agreen	nent.					

620 515 5/11/2005 Secondary DOE 493 Primary DOE Energy Efficiency and Renewable Energy Annex VII Title: Renewable Energy Policy and Planning Annex VII Cooperative Activities Between the Department of Energy of the United States of America and the State Development Planning Commission of the People's Republic of China Comment: MOU on Clean Energy Projects and Technologies Title: Memorandum of Understanding Among The State Development Planning Commission of the People's Republic of China, China Development Bank, The United States Department of Energy, and Export Import Bank of the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: Output the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: Output the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: Output the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: Output the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Comment: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China										
Title: Renewable Energy Policy and Planning Annex VII Cooperative Activities Between the Department of Energy of the United States of America and the State Development Planning Commission of the People's Republic of China Comment: Statement of Intention of Understanding Anong The State Development Planning Commission of the People's Republic of China, China Development Bank, The United States Department of Energy, and Export Import Bank of the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: Voltary Constrained States Regarding Cooperation on Clean Energy Projects and Technology SOI - Clean Energy Technologies Title: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Title: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Title: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Comment: Voltares and the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Comment: Voltares and the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China Concerning Clean Energy Consultations	ID	File#			Agreement Type				Subject	Brief Description
People's Republic of China People's Republic of China Comment: 554 483 3/29/1999 Statement of Intent None *Other - Energy and Environment MOU on Clean Energy Projects and Technologies Comment: Export Inpart Bank of the United States Regarding Cooperation on Clean Energy Projects and Technologies Statement of Intent States Department of Energy, and Economent 642 537 9/10/2002 Statement of Intent None Science and Technology SOI - Clean Energy Technologies Comment: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Title: Memorandum of Understanding between the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations 84 345 2/23/1995 Primary DOE None *Other - Bilateral Energy Consultations Bilateral Energy Consultations Comment: Electric transport Consultations and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations Bilateral Energy Consultations Statement of Intent bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energ	620	515	5/11/2000	5/11/2005	Secondary DOE		493	Primary DOE	Energy Efficiency and Renewable Energy	Annex VII
54 483 3/29/1999 Statement of Intent None *Other - Energy and Environment MOU on Clean Energy Projects and Technologies Title: Kamorandum of Understanding Among The State Development Planning Commission of the People's Republic of China, China Development Bank, The United States Department of Energy, and Exvironment Comment: Solar Planning Comparison on Clean Energy Projects and Technologies Comment: Solar Planning Comparison on Clean Energy Projects and Technology Solar Planning Comparison on Clean Energy Projects and Technology Solar Clean Energy Technologies Comment: Solar Planning Comparison on Clean Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Comment: Solar Planning Commission of the People's Republic of China Concerning Clean Energy Technologies Comment: Desite to conclust bilateral Energy consultations Bilateral Energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Comment: Desite to conduct bilateral energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Title: Xatement of Intent None Energy Efficiency and Renewable Energy Electric Transport						11 Cooperat	ive Activ	ities Between the Depo	artment of Energy of the United States of America	a and the State Development Planning Commission of the
Title: Memorandum of Understanding Among The State Development Planning Commission of the People's Republic of China, China Development Bank, The United States Department of Energy, and Export Bank of the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: 52 537 9/10/2002 Statement of Intent None Science and Technology SOI - Clean Energy Technologies Comment: 52 527 9/10/2002 Statement of Intent None Science and Technology SOI - Clean Energy Technologies Comment: 52 527 9/10/2002 Statement of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Comment: 84 345 2/23/1995 Primary DOE None *Other - Bilateral Energy Consultations Bilateral Energy Consultations Comment: Desire to conduct bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Cost	Соп	nment:								
Title: Memorandum of Understanding Among The State Development Planning Commission of the People's Republic of China, China Development Bank, The United States Department of Energy, and Export Import Bank of the United States Regarding Cooperation on Clean Energy Projects and Technologies Comment: 537 9/10/2002 Statement of Intent None Science and Technology SOI - Clean Energy Technologies Comment: 52 323 9/10/2002 Statement of Intent None Science and Technology SOI - Clean Energy Technologies Comment: 52 323 9/10/2002 Statement of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies Comment: 84 345 2/23/1995 Primary DOE None *Other - Bilateral Energy Consultations Bilateral Energy Consultations Comment: Desire to conduct bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Country: Costa Rica 26 401 59/1997 59/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title: Statement of Intent by the Ministry of Envir	554	483	3/29/1999		Statement of Intent			None	*Other - Energy and Environment	MOU on Clean Energy Projects and Technologi
642 537 9/10/2002 Statement of Intent None Science and Technology SOI - Clean Energy Technologies Title: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies 84 345 2/23/1995 Primary DOE None *Other - Bilateral Energy Consultations Bilateral Energy Consultations 75 <i>Beisteral Energy Consultations of Understanding between the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations on energy policies, programs and technologies. 76 401 59/1997 5/92002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport 71 <i>Statement of Intent Strate Bilateral Energy of the United States of Nuclear Energy of the United States of America and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport 72 <i>Statement of Intent Strate Bilateral Energy of the United States of Nuclear Energy of the United States of America for Cooperation in the Field of Electric Transport 73 5/9/1997 5/9/2002 Statement of Intent None Arms Control and Nonproliferation Sister Lab Arrangement 74 101/17/199 </i></i></i>										nt Bank, The United States Department of Energy, and
Title: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies 84 345 2/23/1995 Primary DOE None Other - Bilateral Energy Consultations Bilateral Energy Consultations resultations Desire to conduct bilateral energy consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy sisces and promote the exchange of information on energy policies, programs and technologies. Desire to conduct bilateral energy consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy sisces and promote the exchange of information on energy policies, programs and technologies. Costa Rice Visite Conduct bilateral energy Consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy sisces and promote the exchange of information on energy policies, programs and technologies. Costa Rice Visite Conduct bilateral energy Consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy information on energy policies, programs and technologies. Costa Rice Visite Conduct bilateral Energy Consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy information on energy of Costa Rice and the Department of Energy of the United States of America for Cooperation in the	Соп	nment:								
Title: Statement of Intent between the Department of Energy of the United States of America and the Municipality of Beijing of the People's Republic of China Concerning Clean Energy Technologies 84 345 2/23/1995 Primary DOE None Other - Bilateral Energy Consultations Bilateral Energy Consultations resultations Desire to conduct bilateral energy consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy sisces and promote the exchange of information on energy policies, programs and technologies. Desire to conduct bilateral energy consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy sisces and promote the exchange of information on energy policies, programs and technologies. Costa Rice Visite Conduct bilateral energy Consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy sisces and promote the exchange of information on energy policies, programs and technologies. Costa Rice Visite Conduct bilateral energy Consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy information on energy policies, programs and technologies. Costa Rice Visite Conduct bilateral Energy Consultations by forming a Chinese-America Ministerial Working Group to enhance the understanding of energy information on energy of Costa Rice and the Department of Energy of the United States of America for Cooperation in the	642	537	9/10/2002		Statement of Intent			None	Science and Technology	SOI - Clean Energy Technologies
84 345 2/23/1995 Primary DOE None Other - Bilateral Energy Consultations Bilateral Energy Consultations Itile Memorandum of Understanding between the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations Vorture Desire to conduct bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Vorture Costa Rica 36 401 5/9/1997 5/9/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title Statement of Intent by the Ministry of Environment and Energy of Solva Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Title Statement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Armic Energy Commission of Costa Rica Vorture Kozy 199 10/22/19 Pingey 10/22/00 Intergo entitie of Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Armic Energy Commission of Costa Rica Vorture Kozy 199 10/22/19 Pingey 10/22/00 Intergovernmental None Scienc		Title:	Statement of	Intent betwee	n the Department of Ei	nergy of the	United S	States of America and	the Municipality of Beijing of the People's Repub	
Title: Memorandum of Understanding between the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations Comment: Desire to conduct bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Country: Costa Rica 36 401 5/9/1997 5/9/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: 504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: Coccel: Coccel: Science & Technology Science & Technology A ao	Соп	nment:								
Title: Memorandum of Understanding between the Department of Energy of the United States of America and the State Planning Commission of the People's Republic of China on Bilateral Energy Consultations Comment: Desire to conduct bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Country: Costa Rica 36 401 5/9/1997 5/9/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: 504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: Coccel: Coccel: Science & Technology Science & Technology A ao	84	345	2/23/1995		Primary DOE			None	*Other - Bilateral Energy Consultations	Bilateral Energy Consultations
Consultations Consultations Comment: Desire to conduct bilateral energy consultations by forming a Chinese-American Ministerial Working Group to enhance the understanding of energy issues and promote the exchange of information on energy policies, programs and technologies. Country: Costa Rica 36 401 5/9/1997 5/9/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: 504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological				n of Understa		artment of	Enerev o			
energy policies, programs and technologies. Country: <u>Costa Rica</u> 36 401 5/9/1997 5/9/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: 504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: <u>Czech Republic</u> 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation					· ·	,			5	
36 401 5/9/1997 5/9/2002 Statement of Intent None Energy Efficiency and Renewable Energy Electric Transport Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: Sold 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	Con					forming a C	Chinese-A	merican Ministerial V	Vorking Group to enhance the understanding of ene	rgy issues and promote the exchange of information on
Title: Statement of Intent by the Ministry of Environment and Energy of Costa Rica and the Department of Energy of the United States of America for Cooperation in the Field of Electric Transport Comment: 504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	Cou	ntry:	<u>Costa R</u>	<u>ica</u>						
Comment: Solution Sister Lab Arrangement 504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	36	401	5/9/1997	5/9/2002	Statement of Intent			None	Energy Efficiency and Renewable Energy	Electric Transport
504 451 11/17/199 11/17/200 Primary DOE None Arms Control and Nonproliferation Sister Lab Arrangement Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation		Title:	Statement of	Intent by the	Ministry of Environme	nt and Ener	rgy of Co	sta Rica and the Depa	artment of Energy of the United States of America	for Cooperation in the Field of Electric Transport
Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	Con	nment:								
Title: Arrangement for information Exchange and Cooperation in the Area of Peaceful Uses of Nuclear Energy between Argonne National Laboratory and Atomic Energy Commission of Costa Rica Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	504	451	11/17/199	11/17/200	Primary DOE			None	Arms Control and Nonproliferation	Sister Lab Arrangement
Comment: ACDA led sister lab. Country: Czech Republic 4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation		Title:				peration in	the Area	of Peaceful Uses of N	luclear Energy between Argonne National Labord	atory and Atomic Energy Commission of Costa Rica
4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	Con									
4 300 10/22/199 10/22/200 Intergovernmental None Science and Technology Science & Technology Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation										
Title: Agreement between the Government of the Czech and Slovak Federal Republic and the Government of the United States of America for Scientific and Technological Cooperation	Cou	ntry:	<u>Czech R</u>	<u>epublic</u>						
	4	300	10/22/199	10/22/200	Intergovernmental			None	Science and Technology	Science & Technology
		Title:	Agreement be	etween the Go	overnment of the Czech	and Slovak	Federal	Republic and the Gov	vernment of the United States of America for Scie	ntific and Technological Cooperation
Comment: Develop, support and facilitate S&1 cooperation between cooperating organizations between the two countries in the areas of basic science, environmental protection, medical sciences and neutring	Соп									

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agriculture, engineering research, energy, natural resources and their useful utilization, standardization, S&T policy and management.

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
Cou	ntry:	Egypt							
517	463	7/1/1999	7/1/2004	Primary DOE			None	Energy Research and Development	Energy Technology Agreement
		Implementing Technology	Arrangemei	nt between the Departm	ent of Energ	y of the	United States of Ame	rica and the Ministry of Electricity and Energy of the Ara	b Republic of Egypt for Cooperation in Energy
Cor	nment:								
527	472	2/23/2000	2/23/2005	Secondary DOE		517	Primary DOE	Energy Efficiency and Renewable Energy	Annex 1 - Renewable Energy
		Annex I to the Renewable En		ng Arrangement betwee	en the Depar	tment oj	f Energy of the United	States of America and the Ministry of Electricity and En	ergy of the Arab Republic of Egypt in the Field of
Cor	nment:								
528	473	2/23/2000	2/23/2005	Secondary DOE		517	Primary DOE	Energy Efficiency and Renewable Energy	Annex 2 - Fuel Cells
	nment:			ing Arrangement betwe linology in the Field of		rtmént c	of Energy of the Unite	d States of America and the Ministry of Electricity and El	iergy of the Arab Republic of Egypt for
526	471	2/4/2000	2/4/2003	Primary DOE			None	Fossil Energy	Oil Shale Research and Utilization
	Title:	Agreement be Research and		partment of Energy of	the United S	tates of .	America and the Min	istry of Economic Affairs of the Republic of Estonia for So	ientific and Technology Cooperation on Oil Shale:
Cor	nment:	Establishes a J	oint Coordina	ating Committee to man	age coopera	tive wor	k under the agreement		
99	353	3/13/1995	3/13/2000	Primary DOE			None	Environmental Restoration and Waste Management	Technical Cooperation in Clean-up Paldiski Site
		Training Site	-		-			d the Ministry of Economy of Estonia for Technical Coop	
Cor		Cooperate and training site at			ironmental re	storatio	n and in the safe and e	ffective management of hazardous wastes and the clean-up	of the environment at and around the nuclear
Cou	ntry:	<u>Europea</u>	n Atomi	c Energy Comm	unity (E	URA	TOM)		
568	490	1/6/1995	1/6/2005	Primary DOE			None	International Safeguards	EURATOM Safeguards
				tropean Atomic Energy arch and Development	Community	Represe	ented by the Commiss	ion of the European Communities and the United States D	epariment of Energy in the field of Nuclear
Cor	nment:	Auto renewal	for five years	periods.					

ID]	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
576	5	490	2/18/1999	2/18/2001	Secondary DOE		568	Primary DOE	International Safeguards	Action Sheet 10 - Tank Analysis
	1	fitle:	Action Sheet 1 Code Developn	10 - The Unit nent for Auto	ed States Department of omated Acquisition and	[°] Energy (L Real-Time	OOE) and Analysis	The European Atomic of Volume Measurem	c Energy Community represented by The Commission ent Data	of European Communities (EURATOM) for Computer
С	omn	nent:								
612	2	507	5/14/2001	5/14/2006	Primary DOE			None	Fusion Energy	Fusion Agreement between EURATOM and DOE
	T	Fitle:	Agreement for America in the	r Cooperation Field of Fus	n between the European sion Energy Research a	Atomic Er nd Develop	nergy Col ment	mmunity Represented l	by the Commission of the European Communities and	the Department of Energy of the United States of
С	omn	nent:								
Со		-	<u>Europea</u>							
648		543	5/14/2001		Primary DOE	65	<i> </i>	None	Science and Technology	Non-Nuclear Energy S&T Agreement
С	omn		Implementing	Agreement	between the Department	of Energy	of the UI	nited States of America	a and the European Commission for Non-Nuclear Ener	rgy Scientific and Technological Co-operation
Co	unt	try:	<u>Finland</u>							
116	5	393	1/17/1997	1/17/2001	Primary DOE			None	Energy Research and Development	Energy R&D
					t between the Departme	nt of Energ	gy of the	United States of Ameri	ica and the Ministry of Trade and Industry of Finland	for Cooperation in Energy Research and
C	omm	ient:	Auto renewal f	for 5 years						
Co	unt	try:	<u>France</u>							
39		132	10/27/198		Secondary DOE		121	Primary DOE	Environmental Restoration and Waste Management	Radioactive Waste ManagementWest Valley
	1	Title:	Statement of I	ntent betwee	n the United States Depu	artment of	Energy a	nd the French Commi	ssariat a l'Energie Atomique on the West Valley Demo	nstration Project
C	omm				eatment of radioactive wa est Valley, New York.	aste and de	contamin	ation and decommission	ning activities throughout the course of the DOE Demon	stration Project at the Western New York Nuclear
40		185	6/20/1986		Secondary DOE		121	Primary DOE	Civilian Radioactive Waste Management	Low-Level Radioactive Waste
									issariat a l'Energie Atomique in the Field of Low-Level	
С	omm	ient:	Confirm intent	to expand ra	dioactive waste manager	nent coope	ration in	the area of surface and	subsurface disposal and storage of low-level radioactive	waste, as well as defined activities.

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
128	416	12/29/199	12/29/200	Primary DOE			None	Arms Control and Nonproliferation	Material Control and Accounting
	Title:	Agreement be Control and A			he United S	States and	d the Commissariate of	a l'Eenergie Atomique of France Concerning Resea	rch and Development in the Field of Nuclear Material
Co	mment:	Cooperate on	research, deve	elopment, testing and eva	aluation in t	he area c	of nuclear material con	trol and accounting measures.	
577	416	1/20/2000	1/20/2001	Secondary DOE		128	Primary DOE	Arms Control and Nonproliferation	Action Sheet 2 - Isotopic Analysis Evaluation Using the PC/FRAM Physics Isotopics Software
	Title:	Action Sheet Isotopics Soft		ited States Department	of Energy (DOE) ar	nd The Commissariat	a l'Energie Atomique (CNEA) of France for Isotop	ic Analysis Evaluation Using the PC/FRAM Physics
Co	mment:								
129	417	12/29/199	12/29/200	Primary DOE			None	Arms Control and Nonproliferation	Physical Protection of Nuclear Materials
	Title:	Agreement be Nuclear Mate			he United S	States and	d the Commissariat a	l'Energie Atomique of France Concerning Researc	h and Development in the Field of Physical Protection of
Co	mment:	Improve the U	JS & France n	uclear materials and fac	ilities physic	cal prote	ction procedures		
567	417	3/14/2000	3/14/2002	Secondary DOE		129	Primary DOE	International Safeguards	Action Sheet 3 - Nuclear Materials Transportation Security
	Title:	Action Sheet	No. 3 The Un	ited States Department	of Energy (DOE) ar	nd the Commissariat d	a l'Energie Atomique of France (CEA) for Nuclear	Transportation Security
Co	mment:								
130	357	4/26/1995	4/26/2005	Primary DOE			None	High Energy Physics	Accelerator Driven Technology
	Title:	Agreement be	etween the De	partment of Energy and	the Comm	issariat d	a l'Energie Atomique	for Cooperation in Research Development and App	lication for Accelerators driven Technology
Co	mment:	Conduct coop	erative progra	m of scientific and tech	nical engine	ering in 1	research, development	t and application for accelerator driven technology	
131	377	9/20/1995	9/20/2000	Primary DOE			None	Civilian Radioactive Waste Management	Radioactive Waste Management
	Title:	Agreement be	etween the Un	ited States Department	of Energy a	nd the F	French Commissariat	a l'Energie Atomique in the field of Radioactive Wa	ste Management
Co	mment:		nuclear energ	y. Cooperation includes				equences of radioactive contamination on health and e field/laboratory testing; preparation/packaging of rad	
• 132	379	10/8/1995	10/8/2000	Primary DOE			None	Civilian Radioactive Waste Management	Radioactive Waste Management
	Title:	Agreement be	etween the Ur	ited States Department	of Energy a	and the N	Vational Radioactive	Waste Management Agency of France in the Field o	f Radioactive Waste Management
Co	mment:	Cooperate for	purposes of r	ninimizing consequence	s of radioac	tive cont	amination on health a	nd environment and promoting safe and economic app	plication of nuclear energy.

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description.
564	487	5/9/2000	5/9/2005	Primary DOE			None	Defense Programs	DOE/DGA Emerging Technologies
		Technical Ar Technologies		etween the Department o	of Energy o	f the Uni	ted States of America	and the Minster of Defense of the French Republic C	Concerning Cooperation in the Application of Emerging
Com	ment:	Auto Renewa	l for 5 year pe	eriods.					
582	257	8/9/1994	8/9/2004	Primary DOE			None	Defense Programs	1994- High Energy Lasers
				epartment of Energy of t igh Energy Laser-Mater				nmissariat a l'Energie Atomique of France of Coopera	tion in Researclı, Development and Applications of
Com	ment:								
316	342	11/19/199		Secondary DOE		582	Primary DOE	Defense Programs	Megajoule-Class Solid State Lasers - IA #1
		Implementing Megajoule-clu			States Depa	rtment o	f Energy and the Fre	nch Atomic Energy Commission concerning Sharing	of Science and Technology Information Related to
Com	ment:	Sharing of sp	ecific S&T in	formation related to meg	ajoule-class	solid sta	te lasers.		
317	343	11/19/199	8/9/2004	Secondary DOE		582	Primary DOE	Defense Programs	Megajoule-Class Solid State Laser Technology - IA
	Title:	Implementing	g Arrangeme.	nt #2 between the United	l States Dep	artment	of Energy and the F	rench Commissariat a l'Energie Atomique on Coopera	tion in Megajoule-Class Solid State Laser Technology
Com	ment:	Implement co	operative act	ivities in research and de	velopment i	n megajo	oule-class solid state la	aser technology (high-power, high-energy solid state las	ers and target experimental chambers and support
601	496	9/18/2000	9/18/2005	Primary DOE			None	Nuclear Energy	Advanced Nuclear Reactor
		Agreement be Technology	etw <mark>een</mark> The D	Department of Energy of	the United	States of	America and The Co	ommissariat A L'Energie Atomique of France for Coop	veration in Advanced Nuclear Reactor Science and
Com	iment:								
635	530	7/9/2001	7/9/2006	Secondary DOE		601	Primary DOE	Nuclear Energy	Advanced Nuclear Reactor Science and Technology (1-NERI)
				nt No. 1 under the Agree Science and Technolog		een the L	epartment of Energy	of the United States of America and Commissariat A	L'Energie Atomique of France for Cooperation in
Com	ment:	International	Nuclear Energ	gy Research Initiative					
629	524	1/2/2002	1/2/2007	Statement of Intent			None	Exchange of Information on Research in Life Science	ses SOI between DOE and France
4		Statement of Life Sciences	Intent Betwe	en the Department of Er	ergy of the	United .	States of America and	t the Commissariat A' L'Energie Atomique of France	Concerning Exchange of Information on Research in
Com	ment:								
630	525	3/13/2002		Primary DOE			None	Computer Sciences	Computer Sciences
	Title:	Agreement b	etween the De	epartment of Energy of l	the United S	States of	America and the Con	nmissariat A' L'E'nergie Atomique of France Concern	ing Cooperation in Computer Sciences
Com	ment:								
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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
631	526	3/13/2002	3/13/2007	Primary DOE			None	Fundamental Science	Fundamental Science on Stockpile Stewardship
		Agreement be Stockpile Stew		partment of Energy of t	he United S	States of A	America and the Com	missariat A' L'E'nergie Atomique of France Concernin	g Cooperation in Fundamental Science Supporting
Con	nment:								
650	545	5/23/2002	5/23/2007	Primary DOE			None	Civilian Radioactive Waste Management	Radioactive Waste Management Agreement
Con	Title: nment:	Agreement be	tween the De	partment of Energy of t	he United S	States of A	America and the Com	missariat A L'Energie Atomique of France in the field o	f Radioactive Waste Management
Cou	ntry:	<u>German</u>	V						
613	508	7/24/2001	7/24/2006	Primary DOE			None	Science and Technology	Agreement between DOE and Germany on Dense Plasma Physics
				between the Federal Min of Dense Plasma Physic		ucation a	nd Research of the F	ederal Republic of Germany and the Department of End	ergy of the United States of America on
Con	nment:								
88	419	2/20/1998	2/20/2003	Primary DOE			None	Energy Research and Development	Energy Research
				epartment of Energy of t earch, Science and Tech				eral Ministry of Education, Science, Research and Tech	nology of the Federal Republic of Germany on
Con	nment:	Auto renewal	for 5 year per	iods. Broad-based umb	ella agreem	ent to all	ow formal cooperation	n in various program areas	
480	434	5/12/1998	5/12/2001	Secondary DOE		88	Primary DOE	Environmental Restoration and Waste Management	Project: Transportation of Rad Waste
				n the Department of End on Transportation Req				he Federal Institute for Material Research and Testing Radioactive Waste	of the Federal Republic of Germany: Technical
Con	nment:								
93	31	9/27/1977		Primary DOE			None	Arms Control and Nonproliferation	Nuclear Materials Safeguards/Physical Security
		Agreement be Security Rese			of Energy	and the F	Federal Minister for R	Research and Technology of Germany Cooperate in the	field of Nuclear Material Safeguards and Physical
· Con	nment:	Open-end exp	iration date						

Country: Ghana

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description		
149	392	10/1/1996	10/1/2001	Primary DOE			None	Energy Research and Development	Energy Policy, S&T and Development		
				nding between the Depa nd, Development	rtment of I	Energy oj	f the United States of A	America and the Ministry of Mines and Energy of the Ro	epublic of Ghana on Cooperation in Energy Policy,		
Cor		environmental	management	perative activities in such , including utilization of project development, etc	energy tech	nergy eff nologies	ficiency and renewable , particularly cost-effec	energy; fossil energy, including natural gas, liquefied per tive technologies aimed at reducing emissions of greenho	troleum gas, and clean coal technologies; buse gases and minimizing environmental		
330	399	2/27/1997	2/27/2001	Secondary DOE		149	Primary DOE	Energy Efficiency and Renewable Energy	Industrial Assessment Center		
		: Implementing Arrangement Between the Department of Energy of the United States of America and the Ministry of Mines and Energy of the Republic of Ghana: Exchange of Information, Technical Assistance and Collaboration for the Establishment of the Industrial Assessment Center at the University of Science and Technology in Kumasi, Ghana									
Co	nment:										
43	378	9/29/1995		Statement of Intent			None	Energy Efficiency and Renewable Energy	Energy Efficiency and Renewable Energy		
		Statement of I Renewable En		n the Department of En	ergy of the	United S	States and the Ministry	of Mines and Energy of the Republic of Ghana to Coop	erate in the Fields of Energy Efficiency and		
Co	nment:	Exchanging ex	perience and	views on opportunities	for the utiliz	zation of	energy efficiency and i	renewable energy technologies.			
44	380	10/30/199		Primary DOE			None	Nuclear Energy	Peaceful Uses of Nuclear Energy		
		Memorandum Argonne Natio	-	0.2	of Technic	al Infor	mation and for Cooper	ration in the Field of Peaceful Uses of Nuclear Energy b	etween the Ghana Atomic Energy Commission and		
Co	mment:	Establish the b ARGONNE N.			ationship fo	or the exc	hange of S&T informa	tion regarding the peaceful uses of atomic energy. This i	is between Ghana Atomic Energy Commission and		
Cou	ntry:	<u>India</u>									
615	510	9/13/2000	9/13/2005	Primary DOE			None	Energy Efficiency and Renewable Energy	MOU between DOE and India concerning Energy Consultations		
	Title:	Memorandum	n of Understa	nding between the Mini	stry of Pow	er of the	Republic of India and	the Department of Energy of the United States of Amer	ica Concerning Energy Consultations		
Co	mment:										
· Cou	ntry:	<u>Israel</u>									
156	384	2/1/1996	2/1/2001	Primary DOE			None	Energy Efficiency and Renewable Energy	Energy Cooperation		
								stry of Energy and Infrastructure of Israel Concerning			
Co	mment:	Establish a fra and transmissio	mework for o on. Annex I	collaboration in energy R on Intellectual Property	&D activiti and Annex	es includ II on Se	ling: solar energy; bion curity Obligations are a	nass; energy efficiency; wind energy; fossil energy, includ attached. Discussion underway in clean coal technology a	ling oil, gas and coal; electric power production ind electric vehicles.		

Thursday, July 17, 2003

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
530	475	2/22/2000		Statement of Intent			None	Arms Control and Nonproliferation	SOI on Nonproliferation, Arms Control and Regional Security
		Letter of Inter Regional Secu		e Department of Energy	of the Un	ited State	es of America and the .	Atomic Energy Commission of Israel on cooperation in	the Fields of Non-Proliferation, Arms Control, and
Сол	iment:								
617	512	10/23/200	10/23/200	Primary DOE			None	Energy Efficiency and Renewable Energy	Cooperation in the Field of High Temperature Superconductivity
		Implementation Temperature S			nent of Ene	ergy of th	he United States of Am	erica and the Ministry of National Infrastructure of the	State of Israel for Cooperation in the Field of High
Сол	iment:								
Cou	ntry:	Italy							
160	358	5/26/1995	5/26/2000	Primary DOE			None	Energy Research and Development	Energy R&D
100	Title:			•	he United .	States of		istry of Industry, Commerce and Handicraft of the Italia	
Con	nment:	continues 198	5 MOU in En	ergy R&D					
344	358	5/7/1997		Secondary DOE		160	Primary DOE	Fossil Energy	Annex 3 - Fossil Energy
		Annex III to t Field of Fossi			ent of Ener	gy of the	•	rica and the Ministry of Industry, Commerce and Hand	
Con	iment:	Two additiona	al areas were a	added in March 1998;fu	el cells for p	ower ap	plications and external	ly fired combined cycle systems	
345	358	3/24/1998	3/24/2003	Secondary DOE		160	Primary DOE	Energy Efficiency and Renewable Energy	Annex 4 - Advanced Geothermal Technology
				t between the Departme for Cooperation on Ad				rica and the Ministry of Industry, Commerce and handi	craft of the Republic of Italy in the Field of Energy
Соп	ment:	Provides for c	ollaboration b	between Ladrello and the	e Geyser Ge	otherma	1 Facilities		
346	358	3/24/1998	3/24/2008	Secondary DOE		160	Primary DOE	Energy Efficiency and Renewable Energy	Annex 5 - Biomass Energy
~				between the Department for Cooperation in the				ica and the Ministry of Industry, Commerce and Handio	raft of the Republic of Italy in the Field of Energy
Соп	ment:	Information E	xchange on b	iomass systems. Task sl	haring on h	ot gas cle	ean-up for medium-sca	le gasifiers.	
347	358	3/24/1998	3/24/2008	Secondary DOE		160	Primary DOE	Energy Efficiency and Renewable Energy	Annex 6 - Photovoltaic Technology
				t between the Departme for Cooperation in the				rica and the Ministry of Industry, Commerce and Hand	icraft of the Republic of Italy in the Field of Energy
Con	iment:	Info exchange	on reducing	manufacturing costs of I	PV cells. (Cooperati	ion on guidelines for bu	uilding integrated PV systems.	

		Start	End		Legally	Parent			
ID	File#	Date	Date	Agreement Type	Binding	ID	Parent Type	Subject	Brief Description
492	444	7/10/1998	7/10/2003	Secondary DOE		160	Primary DOE	Energy Research and Development	Annex 7 - Electric and Hybrid Vehicles
	Title:	Annex VII to Research and	the Agreeme Development	nt between the Departm for Cooperation in the	ent of Ener Field of Ele	gy of the ectric an	e United States of Ame d Hybrid Vehicles	erica and the Ministry of Industry, Commerce and	Handicraft of the Republic of Italy in the Field of Ener
Con	nment:	Remains in for	rce for 5 years	s or until the Agreement	t expires, wh	ichever	is sooner.		
7	323	10/4/1993	10/4/2003	Intergovernmental			None	Science and Technology	Gov't to Gov't S & T
	Title:	Agreement be	tween the Go	wernment of the United	States of A	merica a	and the Government o	f the Italian Republic for Scientific and Technolog	gical Cooperation
Con		Science and Te Renewed last i		reement between the Ur	nited States a	and the C	Government of Italy wi	nich allows U.S. Government agencies to undertake	e cooperation in their respective areas of responsibility.
46	323	10/31/198		Statement of Intent		7	Intergovernmental	Information and/or Personnel Exchange	Synchrotron Light Source
	Title:	Protocol of In	tent of Inten	t between the Departme	nt of Energ	y of the	United States of Amer	ica and the Ministry of the University and of Scier	ntific and Technological Research of the Republic of Ita
Con	nment:								
Cou	ntry:	<u>Japan</u>	1.2 E 98 98 10			12.4	N		
	ntry: 385	5/3/1996	5/3/2001	Primary DOE		10	Intergovernmental	Science and Technology	DOE/STA Basic Science & Technology
C ou 251	ntry: ³⁸⁵ Title:	5/3/1996 Implementing	Arrangemen	nt between the Departm		gy of the	United States of Ame	rica and the Science and Technology Agency of J	apan in the Field of Basic Science and Technology
C ou 251	ntry: 385 Title: nment:	5/3/1996 Implementing Determine coo	Arrangement	nt between the Departm	of basic S&	gy of the T which	United States of Ame	rica and the Science and Technology Agency of J	
C ou 251	ntry: 385 Title: nment:	5/3/1996 Implementing Determine coo program at the	Arrangemen operation on j Relativistic I	at between the Departm oint projects in the field	of basic S&	gy of the T which	United States of Ame	rica and the Science and Technology Agency of J	apan in the Field of Basic Science and Technology
Cou 251 Con	ntry: 385 Title: nment: 195	5/3/1996 Implementing Determine coo program at the 12/3/1986	Arrangement operation on ju Relativistic H 12/2/2001	at between the Departm oint projects in the field Heavy Ion Collider and t Primary DOE	of basic S& biologic effe	gy of the T which cts of rad	United States of Ame may include nuclear p diation. None	rica and the Science and Technology Agency of Justices; synchrotron radiation; medical application of	apan in the Field of Basic Science and Technology of the radiation produced by accelerators; spin physics Radioactive Waste Management
251 Con 166	ntry: 385 Title: nment: 195 Title:	5/3/1996 Implementing Determine coc program at the 12/3/1986 Agreement be	Arrangemen operation on ju Relativistic F 12/2/2001 tween the Un	at between the Departm oint projects in the field Heavy Ion Collider and the Primary DOE sited State Department of	of basic S& biologic effe	gy of the T which cts of rac	United States of Ame may include nuclear p diation. None ower Reactor and Nuc	rica and the Science and Technology Agency of Ja physics; synchrotron radiation; medical application Nuclear Energy	apan in the Field of Basic Science and Technology of the radiation produced by accelerators; spin physics Radioactive Waste Management
251 Con 166	ntry: 385 Title: nment: 195 Title:	5/3/1996 Implementing Determine coc program at the 12/3/1986 Agreement be	Arrangement operation on ju Relativistic H 12/2/2001 tween the Un and develop co	at between the Departm oint projects in the field Heavy Ion Collider and the Primary DOE sited State Department of	of basic S& biologic effe	gy of the T which cts of rac	United States of Ame may include nuclear p diation. None ower Reactor and Nuc	rica and the Science and Technology Agency of Ja obysics; synchrotron radiation; medical application Nuclear Energy clear Fuel Development Corp of Japan in the Area	apan in the Field of Basic Science and Technology of the radiation produced by accelerators; spin physics Radioactive Waste Management
251 251 Con 166 Con	ntry: 385 Title: 195 Title: nment: 195 Title: 195 Title:	5/3/1996 Implementing Determine coor program at the 12/3/1986 Agreement be Study topics at 7/17/1998 Project Annex	Arrangemen operation on ji Relativistic H 12/2/2001 tween the Un and develop co 7/17/2000 c for Coopera	at between the Departm oint projects in the field Heavy Ion Collider and the Primary DOE bited State Department of poperatively and jointly Secondary DOE thion in Near-Field Performance	of basic S& biologic effe of Energy at technology a formance at	gy of the T which cts of rad and the Po and tech 166 ad Analy	United States of Ame may include nuclear p diation. None ower Reactor and Nucl niques necessary for th Primary DOE ses on the Long-Term	rica and the Science and Technology Agency of Ja obysics; synchrotron radiation; medical application Nuclear Energy clear Fuel Development Corp of Japan in the Area as a fe management of radioactive wastes. Civilian Radioactive Waste Management	apan in the Field of Basic Science and Technology of the radiation produced by accelerators; spin physics Radioactive Waste Management a of Radioactive Waste Management
251 Con 166 Con 511	ntry: 385 Title: 195 Title: nment: 195 Title: 195 Title:	5/3/1996 Implementing Determine coor program at the 12/3/1986 Agreement be Study topics at 7/17/1998 Project Annex	Arrangemen operation on ji Relativistic H 12/2/2001 tween the Un and develop co 7/17/2000 c for Coopera	at between the Departm oint projects in the field Heavy Ion Collider and the Primary DOE bited State Department of poperatively and jointly Secondary DOE thion in Near-Field Performance	of basic S& biologic effe of Energy at technology a formance at	gy of the T which cts of rad and the Po and tech 166 ad Analy	United States of Ame may include nuclear p diation. None ower Reactor and Nucl niques necessary for th Primary DOE ses on the Long-Term	rica and the Science and Technology Agency of Ja obysics; synchrotron radiation; medical application Nuclear Energy clear Fuel Development Corp of Japan in the Area the safe management of radioactive wastes. Civilian Radioactive Waste Management a Behavior of the Engineered Barriers under the A	apan in the Field of Basic Science and Technology of the radiation produced by accelerators; spin physics Radioactive Waste Management a of Radioactive Waste Management Project Annex on Engineered Barriers
251 Con 166 Con 511	ntry: 385 Title: nment: 195 Title: nment: 195 Title: Title:	5/3/1996 Implementing Determine coor program at the 12/3/1986 Agreement be Study topics at 7/17/1998 Project Annex	Arrangemen operation on j Relativistic H 12/2/2001 tween the Un and develop co 7/17/2000 to for Coopera- tica and the H	at between the Departm oint projects in the field Heavy Ion Collider and the Primary DOE bited State Department of poperatively and jointly Secondary DOE thion in Near-Field Performance	of basic S& biologic effe of Energy at technology a formance at	gy of the T which cts of rad and the Po and tech 166 ad Analy	United States of Ame may include nuclear p diation. None ower Reactor and Nucl niques necessary for th Primary DOE ses on the Long-Term	rica and the Science and Technology Agency of Ja obysics; synchrotron radiation; medical application Nuclear Energy clear Fuel Development Corp of Japan in the Area the safe management of radioactive wastes. Civilian Radioactive Waste Management a Behavior of the Engineered Barriers under the A	apan in the Field of Basic Science and Technology of the radiation produced by accelerators; spin physics Radioactive Waste Management a of Radioactive Waste Management Project Annex on Engineered Barriers

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545	365	12/18/199	12/18/200	Secondary DOE		171	Primary DOE	Arms Control and Nonproliferation	Action Sheet 37 - A-MAGB at Plutonium Fuel Production Facility
	Title			he United States Departn d Material Accountancy				iclear Cycle Development Institute (JNC) for Developi	nent of Plutonium Isotopic Systems for Measuring
C	omment	:							
546	365	12/18/199	12/18/200	Secondary DOE		171	Primary DOE	Arms Control and Nonproliferation	Action Sheet 38 - Remote Monitoring for Tokai
	Title	Action Sheet Facility Safeg	38 between th uards System	e United States Departm	nent of En	ergy (DO	E) and the Japan Nu	iclear Cycle Development Institute (JNC) for Developi	nent of Remote Monitoring for Tokai Vitrification
C	omment								
547	365	3/12/1999	3/12/2002	Secondary DOE		171	Primary DOE	Arms Control and Nonproliferation	Action Sheet 39 - Radiation Sensor Monitors at
	Title	Action Sheet C/S at Monju			ment of En	aergy (DC	E) and The Japan I	Nuclear Cycle Development Institute (JNC) for Develop	pment of Radiation Sensor Monitors to Improve Dual
C	omment	:							
548	365	3/22/1999	3/22/2002	Secondary DOE		171	Primary DOE	Arms Control and Nonproliferation	Action Sheet 40 - Isotope Dilution Gamma-Ray Spectrometry
	Title			The United States Depa a-Ray Spectrometry (ID		Energy (L	OE) and The Japan	Nuclear Cycle Development Institute (JNC) for Joint	Research and Development Study of the Metrology of
С	omment	:							
549	365	3/24/1999	9/24/2000	Secondary DOE		171	Primary DOE	Arms Control and Nonproliferation	Action Sheet 41 Conceptual Design for RETF Safeguards System Phase 2.
	Title	Action Sheet Safeguards Sy			Developm	ent Instit	ute (JNC) And The	United States Department of Energy (DOE) For Joint	Study on the Conceptual Design for the RETF
С	omment	:							
173	356	4/11/1995	4/11/2005	Primary DOE			None	Nuclear Energy	Nuclear Reactor Technologies R&D
	Title	Memorandun Research and			ed States R	esearch a	nd Development Org	ganizations and the Japanese Research Organizations	for Cooperation in Nuclear Reactor Technologies
· Co	mment			ration between DOE and lear reactor technologies		l laborato	ries, EPRI and the A	dvanced Reactor Corporation, and the Japanese R&D O	rganizations, including PNC, JAPC, JAERI and
174	362	7/17/1995	7/17/2005	Primary DOE			None	Nuclear Energy	Nuclear Research and Development - JAERI
								an Atomic Energy Research Institute in the Field of N	
С	omment	Cooperation t	o conduct pro	grams associated with n	uclear R&D) in such a	areas as basic nuclear	S&T, nuclear safety, and advanced nuclear technologie	s.

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
397	428	4/23/1998	4/23/2001	Secondary DOE		174	Primary DOE	High Energy Physics	Collaborative program for target development for high power spallation neutron sources
				Agreement between the . ver Spallation Neutron S		nic Ener	gy Research Institute	and the Department of Energy of the United States o	f America for Collaborative Program of Target
Cor	nment:	Work will be j	preformed at	the Alternating Gradient	Synchrotro	n facility	at Brookhaven Natio	nal Laboratory	
481	435	6/9/1997	6/9/2007	Secondary DOE		174	Primary DOE	Arms Control and Nonproliferation	SMA - Safeguards
				Agreement Between the Accountancy, Verification				e and the Department of Energy of the United States of	f America Concerning Research and Development in
Cor	nment:								
523	468	1/27/2000	1/27/2005	Primary DOE			None	Arms Control and Nonproliferation	DOE/JNC Safeguards Agreement
				partment of Energy of t and Accounting Measure				an Nuclear Cycle Development Institute For Coopera	tion in Research and Development (R&D) Concerning
Con	nment:	Improving the	efficiency an	d effectiveness of equip	ment and te	chniques	for safeguards and n	onproliferation to implement policies and procedures pro-	ursuant to the non-proliferation treaty.
550	482	1/27/2000	7/27/2001	Secondary DOE		523	Primary DOE	Arms Control and Nonproliferation	Action Sheet 42 Measurement Methods for Scrap Materials
		Action Sheet with High Imp		he Japan Nuclear Cycle	Developm	ent Instit	tute (JNC) and The U	nited States Department of Energy (DOE) For Invest	igation of Measurements Methods for Scrap Materials
Con	nment:								
551	482	1/27/2000	1/27/2003	Secondary DOE		523	Primary DOE	Arms Control and Nonproliferation	Action Sheet 43 NDA Techniques at Ningyo
				he United States Depart ntion at the Ningyo Enr			DE) and The Japan N	luclear Cycle Development Institute (JNC) for Design	Studies and Development of NDA Techniques for
Сол	nment:								
552	482	1/27/2000	1/27/2002	Secondary DOE		523	Primary DOE	Arms Control and Nonproliferation	Action Sheet 44 - Dry Reprocessing Methods
	Title:	Action Sheet	44 between T	he Japan Nuclear Cycle	Developm	ent Instit	tute (JN) and The Un	ited States Department of Energy (DOE) for A Joint S	Study of Safeguards Systems for Dry Reprocessing
Сол	nment:								
. 553	482	1/27/2000	1/27/2003	Secondary DOE		523	Primary DOE	Arms Control and Nonproliferation	Action Sheet 45 Remote Monitoring System at PFPF
				the United States Depart States The States Depart	ment of En	ergy (D(DE) and The Japan N	luclear Cycle Development Institute (JNC) for Develo	pment of the Integrated Remote Monitoring System at
Con	nment:								

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II)	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description			
59	7	492	8/22/2000	8/22/2005	Primary DOE			None	Nuclear Energy	Agreement for Nuclear Technologies			
	1	Title:	Agreement Be	etween The I	Department of Energy of	the United	States of	America and The Ja	pan Nuclear Cycle Developments Institute in the Field of	Nuclear Technologies.			
(Comn	nent:											
64	0	535	7/10/2002	7/10/2005	Primary DOE			None	Civilian Radioactive Waste Management	Nuclear Waste Management Organization Agreement (NUMO)			
	1	Title:	Agreement be	tween the De	epartment of Energy of t	he United S	States of .	America and the Nucl	lear Waste Management Organization of Japan in the Fi	eld of Radioactive Waste Management			
(Comment:												
64	3	538	9/2/2002	9/2/2005	Primary DOE			None		Agreement bet. DOE and the Japan Atomic Energy Research Institute			
	-		Specific Mem Radiation Res		Agreement between the	Departmen	t of Ener	gy of the United State	rs of America and the Japan Atomic Energy Research Ins	titute on Cooperation in the Field of Synchrotron			
(Comn	nent:											
65	3	548	3/19/2003	3/19/2008	Primary DOE			None	Civilian Radioactive Waste Management	Radioactive Waste Management			
	-	Title:	Agreement be	tween the De	epartment of Energy of t	he United S	States of J	America and the Japa	in Nuclear Cycle Development Institute in the Field of Ra	adioactive Waste Management			
0	Comn	nent:											
65	7	552	8/18/2000	8/18/2005	Amendment		263	None	Fusion Energy	Amendment V			
	1	Title:	Amendment V	to the Agre	ement between the Japa.	n Atomic E	nergy Re	search Institute and t	he United States Department of Energy on Cooperation i	n Doublet III Project			
(Comn	nent:											
8		42	5/2/1979	5/1/2005	Intergovernmental			None	Energy Research and Development	US/Japan Energy and Related Fields Agreement			
	1	Title:	Agreement be	tween the G	overnment of the United	States of A	merica a	nd the Government o	f Japan on Cooperation in Research and Development in	Energy and Related Fields			
(Comn	nent:	Maintaining a	nd intensifyii	ng cooperation in researc	h and devel	opment i	n energy and related fi	ields.				
2	2	114	1/24/1983	5/1/2005	Broad		8	Intergovernmental	Fusion Energy	Fusion Energy			
	•	Title:	Exchange of	Notes establi	ishing the Cooperation in	n Fusion R	esearch a	nd Development					
(Comn		Ministry of Ed	ucation, the	STA, MONBUSHO, and	the MITI, a	as establis	shed by an exchange o	activities as may be mutually agreed, in various technical f diplomatic notes and separate agreements within each or clated Fields remains in force.				
25	5	116	1/25/1983	5/1/2005	Primary DOE		22	Broad	Fusion Energy	Fusion Energy - MITI			
		Title:	Exchange of	Letters estab	lishing the MITI-DOE (Cooperation	in Fusio	on Research and Deve	elopment				
0	Comr	nent:	Remains in ef	fect as long a	as the Exchange of Notes	between U	SA-Japan	on Cooperation in Fu	ision Research and Development				
T	nursd	ay, Ju	ly 17, 2003							Page 22 of 42			

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
256	117	1/25/1983	5/1/2005	Primary DOE		22	Broad	Fusion Energy	Fusion Energy - STA - Primary DOE agreement
	Title:	Exchange of l	Letters establi	ishing the STA-DOE Co	ooperation i	n Fusio	n Research and Devel	opment	
Co	mment:	Remains in eff	èct as long as	the Exchange of Notes	between US	SA-Japar	n on Cooperation in Fu	sion Research and Development	
417	134	11/8/1983	5/1/2005	Secondary DOE		256	Primary DOE	Fusion Energy	Fusion Research and Development - JAERI
	Title:	Implementing	Arrangemen	t between the Japan Ate	omic Energ	y Resear	rch Institute and the L	nited States Department of Energy on Cooperation	in Fusion Research and Development
Co	mment:	magnetic system	ms for fusion					ontainment devices, such as tokomaks; joint researc ms engineering; environmental and safety aspects of	h related to plasma physics; magnetic fusion concepts; fusion energy; plasma diagnostics and vacuum
463	133	11/8/1983	3/31/2004	Tertiary DOE		417	Secondary DOE	Fusion Energy	Annex 1 - First Wall and Blanket Structural
	Title:							nd U.S. Department of Energy on Cooperation in F	usion Research and Development U.SJapan
-				rst Wall and Blanket Str			Net works it services. The area prover in the	Tssion Reactors	
Co	mment:			PERIMENTS AND EV.	ALUATIO				
466				Tertiary DOE			Secondary DOE	Fusion Energy	Annex 4 - Fusion - Fuel Processing
				ting Arrangement betwe orative Program Techno				stitute and the United States Department of Energy	on Cooperation in Fusion Research and Development
Co	mment:							at LANL for the purposes of developing and demor eveloping/testing/qualifying equipment and material	
471	270	1/11/1990	1/11/2005	Tertiary DOE		417	Secondary DOE	Fusion Energy	Annex 9 - Data Link
	Title:			ting Arrangement betwe tion on the Data Link	en the Japa	an Atom	ic Energy Research In	stitute and United States Department of Energy on	Cooperation in Fusion Research and Development for
Co	mment:	comparison; (3) access to co	acilitate rapid informatio mputers in home countri JTACT: Arthur Katz, El	ies by visitin	ng scient	ists for computations r	the Parties through (1) code development and/or usa elated to purpose of visit; (4) administration of the D	ge; (2) data analysis and/or theory/experiment ata Link. VISITS: Yes DURATION: To Be
257	115	1/29/1983	5/1/2005	Primary DOE		22	Broad	Fusion Energy	Fusion Energy - Monbusho - Primary DOE
	Title:	Exchange of l	Letters establi	ishing the Monbusho-D	OE Cooper	ation in	Fusion Research and	Development	
Co	mment:	Remains in eff	ect as long as	the Exchange of Notes	between US	SA-Japar	n on Cooperation in Fu	sion Research and Development	
419	214	7/17/1987	7/19/2001	Secondary DOE		257	Primary DOE	Fusion Energy	Annex 1 - Irradiation Effects Utilizing Fission
	Title:	Annex 1 to 01. effects in fusio			apan Minis	try of Ea	lucation (Monbusho)	and USDOE on cooperation in fusion R&D for coll	aboration in fundamental studies of irradiation
Co	mment:	JOINT IRRAI	DIATION AN	ID EVALUATION EXP	ERIMENT	S ON M.	ATERIALS		

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
420	258	12/12/198	12/21/200	Secondary DOE		257	Primary DOE	Fusion Energy	Annex 2 - Data Link & Data Link Projects for
	Title:			5, 1983 Exchange of Le tion on a data Link and				Department of Energy of the United States on Cooperation	on in Fusion Research and Development
Cor	nment:	STEERING C	COMMITTEE	MEETING					
602	497	1/17/2001	7/19/2007	Secondary DOE		257	Primary DOE	Fusion Energy	Amendment 4 - Annex 1 Fusion Research and Development
	Title:	Amendment	t of Annex I t	o the DOE - Monbusho	Exchange	of Letter	rs on Cooperation in F	usion Research and Development	
Cor	nment:								
259	228	10/16/198	5/1/2005	Primary DOE		8	Intergovernmental	Fossil Energy	Coal R&D - AIST and ANRE
	Title:	Implementing Research and			of Industrial	Science	and Technology and i	the Agency of Natural Resources and Energy of Japan an	d the United States Department of Energy in Coal
Cor	nment:			operation in the area of ollution control technol				velopment of coal R&D efforts, i.e., coal liquefaction, coal pon.	gasification; materials and components for coal
262	48	8/24/1979	5/1/2005	Primary DOE		8	Intergovernmental	Fusion Energy	Fusion Energy/Coordinating Committee
	Title:	Exchange of	Letters Establ	lishing a Coordinating	Committee o	on Fusio	on Energy		
Cor	nment:			ommittee on Fusion Ene ght of such cooperative		ate the c	oordination and impler	mentation of cooperative activities in the area of fusion as v	vell as to assure proper balance and to ensure the
263	50	8/28/1979	8/28/2000	Primary DOE		8	Intergovernmental	Fusion Energy	Fusion Energy/Doublet II1
	Title:	Agreement be	etween the Un	ited States Department	of Energy a	nd the J	apan Atomic Energy I	Research Institute on Cooperation in Doublet III Project	
Cor	nment:	Undertake exp	perimental res	earch on tokomak plasm	has with dou	blet and	dee-shaped cross-section	ons in the Doublet III, a tokomak facility, located in LaJoll;	a, California.
264	58	11/11/197	5/1/2005	Primary DOE		8	Intergovernmental	High Energy Physics	High Energy Physics
	Title:	Implementing Physics	g Arrangemen	t between the Departm	ent of Energ	gy of the	United States of Amer	rica and the Ministry of Education, Science and Culture o	f Japan on Cooperation in Field of High Energy
Cor	nment:							ccelerator and detector instrumentation R&D the fabrication I Related Fields Agreement signed on May 2, 1979	n and subsequent use of new experimental
^{°.} Cou	ntry:	<u>Kazakh</u>	stan						
186	402	7/12/1996		Primary DOE			None	Science and Technology	Energy R&D and Tech exchange
	Title:	Agreement be and Technolo			the United S	States of	America and the Mini	stry of Science-Academy of Sciences of the Republic of K	nzakhstan on Scientific Research and Development
Cor	mment:								
Thur	eday lu	1, 17 2003							Page 24 of

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
428	402	5/13/1997		Secondary DOE		186	Primary DOE	*Other - Remote Sensing	Remote Sensing Mission
	Title:	Annex 1 - Foi	the Conduct	of the Remote Sensing	Mission (A	MPS) in	the Republic of Kaza	khstan	
Cor	nment:								
529	474	12/19/200		Primary DOE			None	Arms Control and Nonproliferation	Decommissioning of the BN-350 Reactor
					ent of Energ	gy of the	United States of Amer	rica and the Ministry of Energy, Industry and trade of the	Republic of Kazakhstan Concerning
Car	nment:	Decommission	ing of the Bi	1-350 Reactor					
Cor	mient:								
Cou	ntry:	<u>Korea, R</u>	Republic	<u>of</u>					
180	389	6/14/1996	6/14/2001	Primary DOE		11	Intergovernmental	Fusion Energy	Fusion Energy Research and Related Fields
				nt between the Departme ad Related Fields	ent of Energ	gy of the	United States of Amer	rica and the Ministry of Science and Technology of the Re	epublic of Korea for Cooperation in the Area of
Cor	nment:	Promote S&T	cooperation i	n fusion energy research	and related	l fields ir	n order to enhance cont	ributions. Remains in force for 5 years or until termination	of the S&T Agreement, whichever occurs first.
626	521	6/14/2001	6/14/2006	Secondary DOE		180	Primary DOE	Fusion Energy	Extension on the Implementing Arrangement between DOE and Korea
				mplementing Arrangem Fusion Energy Researc				the United States of America and the Ministry of Science	and Technology of the Republic of Korea for
Cor	nment:								
179	388	6/14/1996	6/14/2001	Primary DOE			None	Nuclear Energy	Cooperative Laboratory Relationship
	Title:	Memorandum Relationship	of Understa	nding between the Depa	irtment of I	Energy o	f the United States of A	America and the Ministry of Science and Technology of th	e Republic of Korea for a Cooperative Laboratory
Cor				aceful uses of nuclear en al research related to nuc				e management; nuclear safety and environment; nuclear safe	eguards technology; basic sciences; education;
595	388	6/29/2000	6/29/2005	Secondary DOE		179	Primary DOE	Nuclear Energy	Annex 4 - Cintichem Process Technology (first project annex)
·•	Title:	Annex 4 Joint Understanding	Project on C between the	Cintichem Technology b Department of Energy	etween the of the Unit	Departm ed States	ent of Energy of the U of America and the M	Inited States of America and the Korea Atomic Energy Re finistry of Science and Technology of the Republic of Kor	search Institute under the Memorandum of ea for a Cooperative Laboratory Relationship
Cor	nment:								

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
608	503	5/16/2001	5/16/2006	Secondary DOE		179	Primary DOE	Nuclear Energy	Annex V - MOU between DOE and Ministry of Science and Technology of the Republic of Korea on I-NERI
								Inited States of America and the Ministry of Science an 11 Nuclear Energy Research Initiative (INERI)	d Technology of the Republic of Korea for a
Con	nment:								
609	504	5/16/2001	6/14/2001	Secondary DOE		179	Primary DOE	Nuclear Energy	Amendment C to Annex III Participating Institutions to the MOU between DOE and Ministry Science and Technology
				I - Participating Institut of Korea for a Coopera				ng between the Department of Energy of the United Sta	tes of America and the Ministry of Science and
Сол	nment:								
644	539	6/14/2001	6/14/2006	Secondary DOE		179	Primary DOE	Science and Technology	Extend and Amend MOU bet. DOE and MOST
		0		Amend the Memorandu boratory Relationship	m of Under	standing	between the Departm	ent of Energy of the United States of America and the l	Ministry of Science and Technology of the Republic of
Cor	nment:								
639	534	9/17/2002	9/17/2007	Primary DOE			None	Science and Technology	Safeguards Agreement
								inistry of Science and Technology of the Republic of Ko ntainment and Surveillance Technologies for Internati	
Cor	nment:								
Cou	ntry:	<u>Mexico</u>							
12	41	6/15/1972		Intergovernmental			None	Science and Technology	Science & Technology
	Title:	Agreement B	etween the U	nited States of America	and Mexico	o for Scie	ntific and Technical (0
Cor	nment:	Effected by E	xchange of N	otes Signed at Washingt	on June 15,	1972			
270	386	5/7/1996	5/7/2001	Primary DOE		12	Intergovernmental	Energy Research and Development	Energy Cooperation
••	Title:	Agreement be	etween the De	partment of Energy of I	the United S	States of	America and the Secr	etariat of Energy of the United Mexican States for Ener	rgy Cooperation
Cor		Develop a fra efficiency and promotion of e	fossil energy	technologies, giving due	stablishmen e considerat	it of coop ion to en	erative activities in res vironmental concerns,	earch, development and commercialization to promote in as well as to exchange, develop, and analyze energy stra	nproved use of renewable energy and energy tegies and regulatory criteria and to encourage the

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
483	437	6/10/1998	6/10/2001	Secondary DOE		270	Primary DOE	Energy Efficiency and Renewable Energy	Annex 1 - Renewable Energy
	Title:	Project Annex	c I Cooperati	on in the Field of Renew	vable Energ	y.			
Сог	mment:	Project areas u	inder discussi	on by SNL and CNEA (Mexico Nat	ional Co	mmission for Energy Sa	avings)	
484	438	6/10/1998	6/10/2001	Secondary DOE		270	Primary DOE	Energy Efficiency and Renewable Energy	Annex 2 - Energy Efficiency
	Title:	Project Annex	c 2 Cooperat	ion in the Field of Energ	gy Efficienc	y			
Сог	mment:	Project areas u	inder discussi	on.					
498	447	10/21/199	10/21/200	Secondary DOE		270	Primary DOE	Environmental Restoration and Waste Management	Annex 3 - Enviro Cooperation in hydrocarbons
	Title:	Project Annex	c 3 - Environ	mental Cooperation in t	he Field of	Hydroca	rbons		
Сог	nment:	Facilitating wo	ork between N	Mexico Institute of Petro	leum and Ol	RNL.			
519	465	12/7/1999	5/7/2001	Secondary DOE		270	Primary DOE	Fossil Energy	Annex 4- Clean Fossil Energy Technologies
	Title:	Project Annex	c 4 Cooperat	ion in the field of Clean	Fossil Ene	rgy Tech	nologies		
Cor	nment:	Annex is in fo	rce as long as	the Agreement is in for	ce.				
610	505	5/7/2001	5/7/2006	Secondary DOE		270	Primary DOE	Science and Technology	
	Title:	Extension of	he Agreemen	nt for Energy Cooperation	on between	the Depu	rtment of Energy of th	e United States of America and the Secretariat of Energy	of the United Mexican States, and its Four
Cor	nment:								
188	405	3/25/1985	3/25/2005	Primary DOE			None	Arms Control and Nonproliferation	Sister Lab Arrangement
				nding (MOU) for the Ex e Los Alamos National l				Cooperation in the Field of Peaceful Uses of Nuclear Ene	rgy between the National Institute of Nuclear
Cor	nment:	Sister lab arrai	ngement supp	orting Article IV of the l	NPT.				
604	499	3/9/2001		Broad			None	Fifth Hemispheric Energy Ministers Meeting	Mexico Declaration
	Title:	Fifth Hemisp	heric Energy	Ministers Meeting Mex	ico City, Me	exico - N	larch 9, 2001. Mexico	Declaration - Energy: A Crucial Factor for Integration ar	nd Sustainable Development in the Hemisphere
Cor	nment:								
. Cou	ntry:	<u>Morocca</u>	2						
599	494	10/16/200	10/16/200	Primary DOE			None	Energy Efficiency and Renewable Energy	Agreement on Concerning Cooperation in Energy Efficiency and Renewable Energy
				epartment of Energy of ewable Energy	the United	States oj	America and The Min	istry of Industry, Commerce, Energy and Mines of the Kir	gdom of Morocco Concerning Cooperation in
Cou	nment.								

Comment:

ID	File	Start # Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
627	522	10/16/200	10/16/200	Secondary DOE		599	Primary DOE	Energy Efficiency and Renewable Energy	Project Annex I - EERE
	Title			eement between the Dep 1 Energy Efficiency and				f America and the Ministry of Industry, Commerce, Ener	gy and Mines of the Kingdom of Morocco
Co	mment	:							
647	542	6/3/2002	6/3/2007	Secondary DOE		599	Primary DOE	Energy Efficiency and Renewable Energy	Project Annex 2 - Clean Energy Technologies
	Title			reement between the Dep 1 Clean Energy Technol		fEnergy	of the United States of	of America and the Ministry of Industry, Commerce, Ener	gy and Mines of the Kingdom of Morocco
Co	mmen	:							
Cou	intry	: <u>Nigeria</u>							
48	76	7/23/1980		Statement of Intent			None	Energy Research and Development	Energy R&D
	Title	: Memorandun	n of Intent Co	oncerning Energy Coop	eration bet	ween the	Government of the U	nited States of America and the Government of the Feder	al Republic of Nigeria
Co	mmen							ronmental effects of energy, develop and demonstrate techr increased official cooperation. Formal cooperation never e	
520	466	8/14/1999		Primary DOE			None	*Other - Energy Policy	MOU on Energy Policy
	Title	: Memorandun	n of Understa	inding between the Depa	artment of	Energy o	f the United States of	America and the Federal Ministry of Power and Steel of	the Federal Republic of Nigeria on Energy Policy
Co	mmen	:							
Coi	intry	: <u>Pakistar</u>	<u>1</u>						
49	339	9/24/1994		Statement of Intent			None	*Other - Climate Change	Climate Change
	Title	: Joint Stateme	ent of Intent L	between the Department	of Energy	of the U	nited States of Americ	ca and the Environment and Urban Affairs Division of the	e Islamic Republic of Pakistan
Co	mmen	: Enhancing mu	itual environr	mental protection, in part	icular, cont	rolling g	reenhouse gas emissio	ons to limit potential adverse climate change impacts (Envir	conment and Urban Affairs Division).
50	338	9/24/1994		Statement of Intent			None	Fossil Energy	Statement of Intent w/ Ministry of Petroleum and Natural Resources
·.	Title	e: Statement of	Intent betwee	en the Department of En	ergy of the	United S	States of America and	the Ministry of Petroleum and Natural Resources, Gover	rnment of the Islamic Republic of Pakistan
Co	mmen	Promoting tra including coal	de, investmer) and new and	nt and cooperation betwe d renewable energy resou	en U.S. & I irces, relate	Pakistan (d infrasti	(Min of Petroleum and ructure development, a	d Natural Resources) public and private-sector entities in th and in the exchange of experience and views on opportunit	e fields of fossil fuels (petroleum and minerals, ies in these sectors.

All In Force Bilateral Agreements

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
51	340	9/24/1994		Statement of Intent			None	Energy Efficiency and Renewable Energy	Statement of Intent w/ Ministry of Water and Power
	Title:	Statement of l	ntent betwee	n the Department of En	ergy of the	United S	States of America and	the Ministry of Water and Power of the Islamic Rep	ublic of Pakistan
Con				t and cooperation betwe views on opportunities t				er and Power) private and public sector entities in the cing electricity policy.	fields of fossil and renewable energy, and in the
Cou	ntry:	Palestini	an Auth	<u>ority</u>					
535	479	2/22/2000		Statement of Intent			None	Energy Research and Development	Energy Planning SOI
Con	Title: nment:	Joint Statemei	nt of Intent b	etween the Department	of Energy	of the Un	nited States of Americ	a and the Palestinian Energy Authority on Cooperat	ion in the Field of Energy
Cou	ntry:	<u>Peru</u>							
512		6/17/1991 Arrangementj National Labo	for the Exch	Primary DOE ange of Technical Infor	mation and	t for Coo	None peration in the Field	Arms Control and Nonproliferation of Peaceful Uses of Nuclear Energy between the Per	Sister Lab Arrangement uvian Institute of Nuclear Energy and the Los Alamos
Con	nment:								
603	498	3/8/2001		Statement of Intent			None	Cooperation in the Field of Energy	Cooperation in the Field of Energy
	Title:	Joint Stateme	nt of Intent b	etween the Department	of Energy	of the Un	nited States of Americ	a and The Ministry of Energy and Mines of the Rep	ublic of Peru on Cooperation in the Field of Energy
Con	nment:								
645	540	8/14/2001	8/14/2006	Primary DOE			None	Science and Technology	MOU - Cooperation in the Field of Energy
	Title:	Memorandum	of Understa	nding between the Depa	irtment of	Energy oj	f the United States of	America and the Ministry of Energy and Mines of th	e Republic of Peru on Cooperation in the Field of
Con	nment:								
Cou	ntry:	<u>Philippir</u>	<u>1es</u>						
195	403	6/19/1997	6/19/2002	Primary DOE			None	Information and/or Personnel Exchange	Info Exchange
	Title:	Memorandum	of Agreeme	nt between the Departm	ent of Ener	rgy of the	e United States of Ame	erica and the Department of Energy of the Republic	of the Philippines for the Exchange of Energy
Con	nment:								
C									

Country: <u>Poland</u>

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
13	224	9/28/1987	9/28/2002	Intergovernmental			None	Science and Technology	Science & Technology
	Title:	Agreement be	tween the Go	overnment of the United	States of A	merica a	nd the Government of	the Polish People's Republic on Cooperation in Science	and Technology and its Funding
Co		Develop, supp governments.			the basis o	f the prin	ciples of equality, recip	procity, and mutual benefit. Joint projects of mutual intere	st are funded by a fund contributed to by the two
198	367	8/21/1995	8/21/2000	Primary DOE			None	Environmental Restoration and Waste Management	Environmental Restoration Hazardous Waste Mgmt
				Exchange and Cooperat Restoration and Hazard				the United States of America and the Institute for Ecolog	y of Industrial Areas of the Republic of Poland in
Co	mment:			h the safe management o logies for soil cleaning;				ith human exposure to environmental contamination from	chemical and heavy metals in soils; demonstration
Cou	intry:	<u>Romani</u>	a						
513	459	3/29/1999	3/26/2004	Primary DOE			None	Arms Control and Nonproliferation	Sister Lab Arrangement
		Arrangement (MIC) - Roma		ion Exchange and Coop	peration in	Area of l	Peaceful Uses of Atomi	ic Energy between United States Department of Energy (DOE) and the Ministry of Industry and Commerce
Co	mment:	Establishes the	e basis for a c	ooperative institutional	relationship	between	the participants for the	exchange of scientific and technological and other inform	ation regarding the peaceful uses of atomic
Cor	intry:	<u>Russian</u>	Federat	ion					
203	395	9/16/1996	9/16/2001	Primary DOE		14	Intergovernmental	Environmental Restoration and Waste Management	Environmental Restoration and Waste Management
		Memorandun Restoration ar			ment of En	ergy of U	nited States of Americ	a and the Ministry of the Russian Federation on Atomic	Energy in the Fields of Environmental
Co	mment:								
211	396	9/16/1996	9/16/2001	Primary DOE		14	Intergovernmental	Nuclear Energy	Nuclear Reactor Safety
	Title:	Memorandum	of Cooperat	tion between the United	States of A	merica a	nd the Russian Federa	tion in the Field of Civilian Nuclear Reactor Safety	
Co	mment:	replaces MOL	I in Civilian M	Nuclear Reactor Safety s	igned 26 A	pril, 1988			
213	397	9/16/1996	9/16/2001	Primary DOE		14	Intergovernmental	Fusion Energy	Magnetic Confinement Fusion
•		Memorandun Fusion	1 of Cooperat	tion between the Depart	ment of En	ergy of tl	ne United States of Am	erica and the Ministry of the Russian Federation on Ato	mic Energy in the Field of Magnetic Confinement
Co	mment:	Focus on Fusi	on science re	search and development					

ID	F	ile#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
436	3	97	9/16/1996	9/16/2001	Secondary DOE		213	Primary DOE	Nuclear Energy	Annex 1
	Ti	tle:	Annex I - List	of Organiza	tions that could particip	ate				
Co	mme	ent:								
214	3	98	2/17/1997	2/17/2002	Primary DOE		14	Intergovernmental	*Other - High Energy and Nuclear Physics	Fundamental Properties of Matter
	Ti	tle:	Memorandum the State Com	of Cooperat mittee for Sc	tion in the Field of Resea cience & Technologies of	rch on Fui the Russia	ndament in Feder	al Properties of Matter ation	r between the Department of Energy of the United States	of America and the Ministry of Atomic Energy and
Co	mme	ent: a	activities coord	dinated by th	e Joint Coordinating Con	mittee for	Research	in the Fundamental Pr	operties of Matter (FCC-FPM)	
15	3	15	2/18/1993		Intergovernmental			None	Nuclear Energy	Disposition HEU Extracted From Nuclear Weapons
	Ti		Agreement bei Veapons	tween the Go	overnment of the United	States of A	merica a	nd the Government of	the Russian Federation Concerning the Disposition of H	ighly Enriched Uranium Extracted from Nuclear
Co	mme				ed from nuclear weapons ntrol, and environmental r				apons; the establishment of appropriate measures to fulfill I.	the nonproliferation, physical protection, nuclear
202	3	94	9/16/1996	9/16/2001	Primary DOE			None	*Other - Fuel Cell Technology	RAFCO
	Ti	tle: .	Agreement bei	tween the D	epartment of Energy of t	he United S	States of	America and the Mini	stry of the Russian Federation on Atomic Energy Regard	ing a Russian-American Fuel Cell Consortium
Co	mme	ent: 1	loint R&D wo	rk in fuel cel	l technology developmen	t,				
208	3	24	1/14/1994	1/14/2004	Intergovernmental			None	Environmental Safety Health	Radioactive Contamination Health & Environment
	Ti				overnment of the United active Contamination on				the Russian Federation on Cooperation in Research on I	Radiation Effects for the Purpose of Minimizing
Co	mme				cooperation in research or onsible for coordination				ization of the consequences of radioactive contamination of	n health and the environment. DOE is the
210	3	60	6/16/1995		Primary DOE			None	Arms Control and Nonproliferation	Nonproliferation of Weapons/Weapons Expertise
	Ti				nt between the Departme itate the Nonproliferation				ica and the International Science and Technology Center	r in the Russian Federation for Cooperation in
Co	mme	ent: 1	Facilitate coop	eration unde	r the ISTC agreement inc	luding the e	efforts to	reduce or eliminate we	apons of mass destruction in a safe and secure manner.	
209	3	59	6/15/1995		Secondary DOE		210	Primary DOE	Fusion Energy	Annex 1 Weapons Expertise for the Globus-M
•	Ti								States of America and the International Science and Tec Id Weapons Expertise for the Globus-M Project	hnology Center in the Russian Federation
Co	mme	I	nstitute in orde	er to accomm	F. IOFFE Physics-Techn nodate the new GLOBUS en the experimental hall a	M spherica	al tokoma	ak device and the near-	BUS-M project by participating in the modification (or rec by supporting equipment, the buildings that house all the o S-M project.	onstruction) of the experimental hall of the the the device supporting systems, and the

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description				
53	6 480	6/22/1999	6/22/2001	Secondary DOE		210	Primary DOE	Fusion Energy	ISTC Annex III - Advanced Diagnostics equipment for Spherical Tokamak Globus-M				
	Title: Annex III to the Memorandum of Agreement between the Department of Energy of the United States of America and the International Science and Technology Center in the Russian Federation Concerning Cooperation in Approved Projects to Facilitate the Nonproliferation of Weapons and Weapons Expertise for Advanced Diagnostics Equipment for Sapherical Tokomak Globus-M (ISTC Project No. 1126)												
C	omment:												
43.	5 328	3/16/1994		Primary DOE			None	Nuclear Energy	Replacement of Russian Pu Production Reactors				
	Title:	Protocol of M	eeting betwee	en the United States and	the Russia	in Feder	ation on the Replacen	nent of Russian Plutonium Production Reactors					
C	omment:	Plan for replace	cement of plu	tonium production reacto	ors with alto	ernate en	ergy sources.						
51	5 461	9/22/1998	9/22/2003	Intergovernmental			None	Arms Control and Nonproliferation	Nuclear Cities Initiative				
	Title:	Agreement be	tween the Go	vernment of the United	States of A	merica a	and the Government of	f the Russian Federation on the Nuclear Cities Initiative					
C	omment:	DOE is the US	S Executive A	Agent for the carrying ou	nt provision	s of the a	greement. Ministry of	the Russian Federation for Atomic Energy is the Executive	e agent for Russia				
51	3 464	3/24/1999	3/24/2004	Primary DOE			None	Science and Technology	MOU w/ Russian Academy of Sciences				
	Title:	Memorandum	n of Understa	nding between the Depa	artment of	Energy o	f the United States of	America and the Russian Academy of Sciences on Coope	ration in Science and Technology				
C	omment:												
56	5 488	5/15/2000	3/24/2004	Secondary DOE		518	Primary DOE	Environmental Restoration and Waste Management	DOE/RAS Implementing Arrangement 1				
	Title:			nt #1 Under the Memora logues, Migration and /				ited States Department of Energy and the Russian Academ sic Media	ny of Sciences on Cooperation in Science and				
C	omment:												
59	488	5/16/2000	9/20/2002	Tertiary DOE		565	Secondary DOE	Environmental Restoration and Waste Management	Appendix D - Uranium Mass Transport Phenomena				
	Title:	Appendix D I Welded Tuffs	mplementing	Arrangement #1 of the	U.S. Depa	rtment of	f Energy/Russian Aca	demy of Sciences Memorandum of Understanding Urani	um Mass Transport Phenomena in Fractured				
C	omment:												
59	3 488	5/18/2000	9/30/2003	Tertiary DOE		565	Secondary DOE	Civilian Radioactive Waste Management	Appendix G - Interaction of Actinides and Fission Products				
	Title:	Appendix G I Environmenta		Arrangement #1 of the	U.S. Depa	rtment of	Energy/Russian Aca	demy of Science Memorandum of Understanding The Int	eraction of Actinides and Fission Products with				
C	omment:												

Thursday, July 03

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ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
594	488	5/18/2000	9/30/2003	Tertiary DOE		565	Secondary DOE	Civilian Radioactive Waste Management	Appendix H - Actinide Speciation
				Arrangement #1 of the positories and for the R				ademy of sciences Memorandum of Understanding Actinid	e Speciation in the Environment to Support Safety
Co	mment:								
566	489	5/15/2000	3/24/2004	Secondary DOE		518	Primary DOE	Environmental Restoration and Waste Management	DOE/RAS Implementing Arrangement 2
	Title:			nt #2 Under the Memora ent and Advanced Mode				nited States Department of Energy and the Russian Acaden	y of Sciences on Cooperation in Science and
Co	mment:								
589	489	6/2/2000	9/30/2003	Tertiary DOE		566	Secondary DOE	Civilian Radioactive Waste Management	Appendix C - Contaminant Transport Processes in Unsaturated Rocks
				Arrangement #2 of the scribing and Modeling	and the second		0,	idemy of Sciences Memorandum of Understanding Interd turated Rocks	isciplinary Fundamental Research to Further
Co	mment:								
591	489	5/31/2000	9/30/2002	Tertiary DOE		566	Secondary DOE	Environmental Restoration and Waste Management	Appendix D- Annex A - Chara. Of Contaminated Territories
			· ·	plementing Arrangeme ization, and Cost Minin		e U.S. De	partment of Energy/	Russian Academy of Sciences Memorandum of Understan	ding Characterization of Contaminated Territories,
Co	mment:								
592	489	5/31/2000	9/30/2002	Tertiary DOE		566	Secondary DOE	Environmental Restoration and Waste Management	Appendix D - Annex B - Uncertainty Assessment
	Title:	Annex B of A of Inverse Fl			nt #2 unde	r the DO	E-RAS Memorandur	m of Understanding Uncertainty Assessment Through Inco	rporation of Mathematical Geology in Development
Co	mment:								
605	500	4/25/2001	4/25/2004	Secondary DOE		518	Primary DOE	Science and Technology	Appendix K w/ the Russian Academy of Sciences
	Title:	Appendix K U Technology	Under Implen	enting Arrangement #1	of the Men	norandu	m of Understanding	Between the U.S. Department of Energy and Russian Acaa	lemy of Sciences on Cooperation in Science and
Co	mment:								
• 606	501	10/1/2000	10/1/2002	Secondary DOE		518	Primary DOE	Uranium Mass Transport Phenomena in Fractured Welded Tuffs	Appendix D of Implementing Arrangement #1w/ Russian Academy of Sciences MOU
	Title:	Appendix D i Welded Tuffs		Arrangement #1 of The	e U.S. Depa	rtment o	f Energy/Russian Ac	ademy of Sciences Memorandum of Understanding Urani	um Mass Transport Phenomena in Fractured
0	1								

Comment:

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
52	302	3/18/1992		Statement of Intent			None	Information and/or Personnel Exchange	Electric Power Technologies
	Title:	U.SRussia T	ask Force on	Cooperation in Electri	c Power Te	chnologi	ies Joint Statement o	fIntent	
Com	iment:	Exchange info	rmation on de	evelopments in the electr	ric power in	dustries	and encourage more e	extensive contacts among experts in this field in both countri	es.
537	481	7/24/1998	7/24/2003	Intergovernmental			None	Arms Control and Nonproliferation	Plutonium Management
				vernment of the United ear Military Programs	States of A	merica a	and the Government of	of the Russian Federation on Scientific and Technical Coo	peration in the Management of Plutonium that has
Com	ment:	DOE is the Ex	ecutive Agen	t for the US. The agreen	ment establi	shes the	U.SRussian Joint St	eering Committee on Plutonium Management	
619	514	6/30/2000	6/30/2005	Secondary DOE		607	Primary DOE	Civilian Radioactive Waste Management	Protocol extending the agreement between DOE and Russia
				reement between the De ussian Nuclear Fuel Cy				of America and the Federal Nuclear, and Radiation Safety	Authority of Russia for Cooperation on
Com	ment:	Extending the	agreement m	ention above for five yea	ars until Jun	ie 30, 20	05.		
641	536	6/26/200	6/30/2005	Secondary DOE		607	Primary DOE	Arms Control and Nonproliferation	Extension bet. DOE federal Nuclear and Radiation Safety Authority of Russia
				reement between the De counting of Nuclear Ma		f Energy	y of the United States	of America and the Federal Nuclear and Radiation Safety	Authority of Russia to Cooperate on National
Com	iment:								
636	531	4/23/2002		Statement of Intent			None	Science and Technology	Joint Statement of Intent between DOE and Dubna
		Joint Stateme	nt of Intent b	etween the Department	of Energy of	of the Ui	nited States of Americ	ca and the Joint Institute for Nuclear Research at Dubna	
Com	iment:								
658	553	5/8/2002		Primary DOE			None	*Other - Purchases of Pu-238 for Peaceful Purposes	Purchases of Pu-238 for Peaceful Purposes
	Title:	Joint Announ	cement by th	e United States Departn	nent of Ene	rgy and	the Russian Federati	on Ministry for Atomic Energy Concerning Continued Pur	chases of Pu-238 for Peaceful Purposes
Com	iment:								
659	554	7/16/2001	7/16/2006	Secondary DOE		210	Primary DOE	Civilian Radioactive Waste Management	Annex VI
				dum of Agreement betw of the Office of Civilian				of America and the International Science and Technology	Center in the Russian Federation Concerning
Com	nment:	*							

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
Cou	ntry:	<u>Senegal</u>							
479	433	4/2/1998		Statement of Intent			None	Energy Research and Development	SOI - Energy R&D
Car	nment:	Memorandum	of Understa	nding between the Repi	ublic of Sen	egal and i	the United States of A	America for Cooperation on Energy Policy, Science and	Technology, and Research and Development
516	462	2/10/1000	2/10/2004	Primary DOE).		
510	Title:	3/19/1999 Agreement be Development		• • • · · · · · · · · · · · · · · · · ·	the Minist		None rgy, Mines and Indu	Energy Research and Development stry of the Republic of Senegal on Cooperation in Energ	Energy Policy, S and T, and R and D y <i>Policy, Science and Technology, Research and</i>
Cor		•	of this Agree	ment is to facilitate and	establish co	operative	activities by the Parti	es.	
Cou	ntry:	South A	frica						
20	368	12/4/1997	12/4/2022	Intergovernmental			None	Nuclear Energy	Peaceful Uses of Nuclear Energy
	Title:	Agreement for	Cooperation	n between the United St	ates of Ame	erica and t	he Republic of South	h Africa Concerning Peaceful Uses of Nuclear Energy	
Cor				ent, use and control of pe was signed on 8/25/95 r				be undertaken with a view to protecting the international $\frac{1}{2}$	environment from radioactive, chemical and thermal
230	369	8/25/1995		Primary DOE			None	Energy Research and Development	Sustainable Energy Development Committee
	Title:	Terms of Refe	rence on the	Sustainable Energy De	velopment	Committee	e of the U.S South	Africa Binational Commission	
Cor	nment:								
231	371	8/25/1995		Primary DOE			None	Energy Research and Development	Sustainable Development Resource Center
				nding between the Work Resource Center	ld Wildlife I	Fund-Sou	th Africa, EarthKind	l International, U.S. Department of Energy and U.S. Ag	ency for International Development on Creating the
Cor								and programs on the use of renewable energy and energy d Intl (Jan Hartke) and USAID (Larry Byrne)	efficiency technologies and participation by
232	372	8/25/1995		Primary DOE			None	Energy Efficiency and Renewable Energy	Renewable and Energy Efficiency Technologies
	Title:	Memorandum	of Understa	nding					
. Cor	nment:	Promotion of r	enewable ene	ergy and energy efficient	t technologi	es as a cos	st-effective means of	increasing access to energy of the majority of South Afric	a disadvantaged population (w/USAID as a partner).
233	374	8/25/1995		Primary DOE			None	Energy Efficiency and Renewable Energy	Electrification of Rural Clinics (Cape Town)
	Title:	Memorandum	of Understa	nding between Sandia l	National La	boratories	s of Albuquerque Ne	w Mexico, USA and the Independent Development Trust	Cape Town, Republic of South Africa
Cor		Sandia Nation mutual consent		natory of this MOU, has	agreed to c	o-fund the	Independent Develo	pment Trust model clinic electrification program and to p	rovide other technical assistance as agreed by

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description	
234	381	12/5/1995	12/5/2000	Primary DOE			None	Energy Research and Development	Energy Policy, S&T and Development	
Title: Implementing Agreement between the United States Department of Energy and the Department of Mineral and Energy Affe Technology and Development									Collaboration on Energy, Policy, Science,	
Comment: Facilitate and establish cooperative activities in energy policy, science, technology, development and commercialization activities in such areas as: fossil energy, including clean coal; energy plefficiency, renewable energy; environmental management; environment enhancing energy technologies; and private power project development										
55	423	8/25/1995		Statement of Intent			None	Information and/or Personnel Exchange	Energy Information Exchange	
	Title:	Joint Stateme Information E		etween the Department	of Energy	of the Ur	ited States of America	in and the Department of Mineral and Energy Affairs	of the Republic of South Africa on an Energy	
Co	nment:									
56	370	8/25/1995		Statement of Intent			None	Energy Research and Development	Energy Policy, S&T and Development	
	Title:			etween the Department nd Development	of Energy	of the Ur	nited States of America	an and the Department of Mineral and Energy Affairs	of the Republic of South Africa on Energy Policy,	
Co	nment:	Facilitate joint	activities rel	ated to energy policy, S&	&T, develop	ment and	d commercialization in	an environmentally and economically sound manner.	•	
57	373	8/25/1995		Statement of Intent			None	Energy Efficiency and Renewable Energy	Renewable Energy (Guguletu Township)	
	Title:			or Integrated Industrial lletu RDP Forum	/Education	al Develo	opment in Guguletu T	ownship between the United States Department of End	ergy, United States Department of Energy National	
Co	nment:	Establishment	of a light ind	ustrial part in Guguletu	Township.					
58	375	8/25/1995		Statement of Intent			None	Energy Efficiency and Renewable Energy	Renewable Energy (The Csir, South Africa)	
	Title:	le: Statement of Intent on Renewable Energy Technologies between the National Renewable Energy Laboratory, U.S.A. and Sandia national Laboratories, U.S.A. and the CSIR (Council for Scientific and Industrial Research), Republic of South Africa								
Co	nment:	ent: NREL and Sandia, by being signatories of this Statement, have agreed to exchange experience and views on opportunities for the appropriate utilization of renewable energy technologies with The C Republic of South Africa. Witnessed by Secretary O'Leary.								
59	383	12/5/1995		Statement of Intent			None	Fossil Energy	Mitigation of Greenhouse Gases	
	Title:	Statement of	Intent concer	ning Cooperation in Su	stainable E	nergy D	evelopment and the M	itigation of Greenhouse gases between the Republic of	South Africa and the United States of America	
Co	mment:	nent: Investigate pilot studies the feasibility of the development of projects which could achieve additional mitigation of climate change by addressing anthropogenic emissions by sources and removal by sinks in an environmentally sound and socially and economically equitable fashion through deployment of greenhouse gas mitigation technologies; education/training programs; diversification of energy sources; conservation, restoration and enhancement of natural carbon sinks, etc.								
60	382	12/5/1995		Statement of Intent			None	Energy Research and Development	South Africa/Provincial Gov'ts Cooperation Agreement - Statement of Intent	
	Title	Congrating	largement he	tween Provincial Gover	mmants of t	ha Panu	hlic of South Africa of	Regional Cooperation in Energy		

Title: Cooperative Agreement between Provincial Governments of the Republic of South Africa on Regional Cooperation in Energy

Comment: Intention to cooperate in a manner which will facilitate joint activities related to energy development in an environmentally and economically sound way with the following provincial governments of South Africa: Province of the Free State; Northern Cape Province; Eastern Cape Province

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description
Cou	ntry:	<u>Spain</u>							
100	404	9/15/1997	9/15/2007	Primary DOE			None	Environmental Safety Health	Research on Radiological Evaluations
		Implementing Radiological I		nt between the Departm	ent of Ener	gy of the	United States of Ame	rica and the Ministry of Industry and Energy of the Kingo	lom of Spain on Cooperation in Research on
Con	ment:								
307	404	9/15/1997	9/15/2007	Secondary DOE		100	Primary DOE	Environmental Safety Health	Annex 1
	Title:	Project Anne.	x 1 - cooperat	tion on research in radi	ological eva	luations			
Con	iment:	Related to rad	ioactive waste	e management.					
5	171	12/12/198		Primary DOE			None	Science and Technology	Science & Technology
	Title:	Agreement be	tween the Un	nited States Department	of Energy a	and the U	nited States-Spain Jo	int Committee for Scientific and Technological Cooperati	on
Con				uidelines and procedures for S&T Cooperation.	s for evalua	ting, fund	ling and coordinating	research proposals, projects and related activities in the field	l of energy selected and funded by the
596	491	7/15/2000	7/15/2006	Primary DOE			None	Energy Research and Development	MOU for Energy Cooperation
			n of Understa	nding Between The Mil	nistry of Sci	ience and	Technology of the K	ingdom of Spain and The Department of Energy of the U	nited States of America Concerning Cooperation in
-		Energy							
Con	ment:								
Cou	ntry:	<u>Sweden</u>							
218	235	2/11/1988		Primary DOE			None	*Other - Classified	Subject and Umbrella contents are classified
	Title:	Subject and U	Imbrella con	tents are classified					
Con	iment:	Description n	ot available in	n History					
580	442	10/23/199	10/23/200	Primary DOE			None	Civilian Radioactive Waste Management	Radioactive Waste Management
		Agreement be Management	etween the Ur	nited States Department	of Energy i	and the S	wedish Nuclear Fuel	and Waste Management Company Concerning a Coopera	tive Program in the Field of Radioactive waste
Con	iment:								
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Country: <u>Switzerland</u>

All In Force Bilateral Agreements

Start End Legally Parent ID File# Date ID **Brief Description** Date Agreement Type Binding Parent Type Subject 225 12/23/199 12/23/200 Primary DOE Civilian Radioactive Waste Management Radioactive Waste Management 418 None Title: Agreement between the Department of Energy of the United States of America and the National Cooperative for the Disposal of Radioactive Waste in Switzerland in the Field of Radioactive Waste Management Comment: Auto extension for 5 yr. Periods. Country: Thailand 400 3/20/1997 Primary DOE Arms Control and Nonproliferation Lab-to-Lab arrangement 227 None Title: Arrangement for the Exchange of Technical Information and for Cooperation in the Field of Peaceful Uses of Nuclear Energy between the Office of Atomic Energy for Peace of Thailand and the United States Department of Energy Comment: Open ended. Action Sheet 1 - Preliminary Safety Anaysis Report 538 400 3/6/2000 Secondary DOE 227 Primary DOE Arms Control and Nonproliferation Title: Action Sheet 1 between the Office of Atomic Energy for Peace of Thailand and the United States Department of Energy for Preliminary Safety Analysis Report Review Comment: Country: Turkey 3/20/2007 Primary DOE Science and Technology Cooperation in Energy Technology 624 519 3/20/2002 None Title: Implementing Arrangement between the Department of Energy of the United States of America and the Ministry of Energy and Natural Resources of the Republic of Turkey for Cooperation in Energy Technology Comment: Primary DOE Science and Technology Annex 2 - Cooperation in the Field of Coal and 625 520 3/20/2002 3/20/2002 Secondary DOE 624 Power Systems Title: Annex 2 to the Implementing Arrangement between the Department of Energy of the United States of America and the Ministry of Energy and Natural Resources of the Republic of Turkey for Cooperation in the Field of Coal and Power Systems Comment: Country: Ukraine 4/26/1996 None *Other - Radioactive Waste Chernobyl Center 507 454 Intergovernmental Title: Memorandum of Understanding on Participation In and Support of the Activities of the International Chernobyl Center on Nuclear Safety, Radioactive Waste and Radioecology Comment:

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description			
508	455	7/22/1998	7/22/2003	Intergovernmental			None	*Other - Radioactive Waste	Int'l Radioecology Lab			
	Title: Agreement between the Government of the United States of America and the Government of Ukraine Concerning the International Radioecology Laboratory of the International Chernobyl Center on Nuclear Safety, Radioactive Waste and Radioecology											
Con	Comment: Department of Energy is the Executive Agent											
510	457	5/6/1998	5/4/2028	5			Name	Nuclear Frances				
510				Intergovernmental	ates of Ama	erica aud	None	Nuclear Energy Peaceful Uses of Nuclear Energy	US-Ukraine PNC			
Cor	nment:	Agreement jo	, cooperation	. verween me omieu bi	uics of /ime		Chiume Concerning	reaces in Oses of Maclear Divergy				
54	330	4/8/1994		Statement of Intent			None	Nuclear France	Chuddaum Chamakad Nucleas Berner Bland			
54			nt Ahout Pati	hs to the Soonest Possib	le Shutdow	n of the		Nuclear Energy	Shutdown Chernobyl Nuclear Power Plant			
Con				nalysis of options for ea		-	•					
			, lonn joint a		nitest possit	000000	e or me enemoly, po					
Cou	ntry:	United H	Kingdom									
41	364	7/25/1995		Statement of Intent			None	Environmental Restoration and Waste Management	Nuclear Clean-Up			
	Title:	Heads of Agro	eement for Co	ooperation Between the	United Sta	tes Depa	rtment of Energy and	the United Kingdom Department of Trade and Industry or	their Perspective Program for Nuclear Clean-up			
Con	nment:	Cooperate, thr	ough sharing	of information, on simil	lar issues as	sociated	with nuclear decommis	ssioning and clean-up				
42	390	9/5/1996		Statement of Intent			None	Environmental Restoration and Waste Management	Environmental Restoration and Waste Management			
	Title:	Statement of I	Intent betwee	n the United States Dep	artment of	Energy a	and the United Kingdo	om Department of Trade and Industry				
Con	nment:	Establish fram	nework for coo	operation in R&D of tec	hnologies fo	or the tre	atment, packaging, dis	posal of aluminum-based spent nuclear fuel.				
598	493	11/6/2000	11/6/2010	Primary DOE			None	Energy Research and Development	MOU on Energy Research and Development			
	Title: Memorandum of Understanding Between The Department of Energy of the United States of America and The Department of Trade and Industry of the United Kingdom of Great Britain and Northern Ireland on Collaboration in Energy Research and Development											
Con	nment:	Provides for c	ooperation in	Fossil Energy, Energy E	Efficiency, I	Renewab	le Energy and the wast	te-related management and the environment.				
634	529	11/17/200	11/17/200	Secondary DOE		598	Primary DOE	Environmental Management	AEA Technology plc			
	Title: Implementing Arrangement between the Department of Energy of the United States of America and AEA Technology plc Under the Memorandum of Understanding on Energy R&D between the Department of Energy of the United States of America and the Department of Trade and Industry of the United Kingdom of Great Britain and Northern Ireland											
Cor	nment:								·			

All In Force Bilateral Agreements

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description			
611	506	9/17/2001	9/17/2006	Primary DOE			None	Nuclear Verification Technologies	MOU between DOE and the Department of Trade and Industry of the United Kingdom			
				nding between the Dep velopment and Impleme					ry of the United Kingdom of Great Britain and Northern			
Cor	Comment:											
637	532	7/25/2002	7/25/2007	Primary DOE			None	Science and Technology	Implementing Agreement between DOE and Great Britain			
	Title: Implementing Arrangement between the Department of Energy of the United States of America and the Secretary of State for Defense of the United Kingdom of Great Britain and Northern Ireland for Cooperation in Research and Development of Chemical and Biological Weapons Detection and Protection-Related Technologies											
Con	nment:											
638	533	7/3/2002	7/3/2007	Primary DOE			None	Science and Technology	Gov't to Gov't agreement between US and Great Britain			
				wernment of the United Protection-Related Tech		merica d	and the Government of	of the United Kingdom of Great Britain and Northo	ern Ireland for Cooperation in Research and Development			
Cor	nment:											
652	547	3/10/2003	3/10/2008	Primary DOE			None	Fossil Energy	Cooperation in the Field of Fossil Energy			
				nt between the Departm Field of Fossil Energy			United States of Am	erica and the Department of Trade and Industry of	the United Kingdom of Great Britain and Northern			
Cor	nment:											
143	278	6/11/1990	6/11/2000	Primary DOE			None	Energy Research and Development	Energy R&D			
	Title: Memorandum of understanding between the U.S. Department of Energy and the Department of energy of the United Kingdom of Great Britain and Northern Ireland on collaboration in energy research and development											
Cor	nment:	To continue a	nd maximize	cooperation in energy re	search and	developn	ment.					
Cou	Country: <u>Uzbekistan</u>											
628	523	3/12/2002		Primary DOE			None	Arms Control and Nonproliferation	Proliferation of Nuclear Materials and Technologies			
<i>.</i>				partment of Energy of aterials and Technolog		States of	America and the Mir	nistry of Foreign Affairs of the Republic of Uzbekis	tan Concerning Cooperation in the area of Prevention of			

Comment:

Country: <u>Venezuela</u>

	ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description	
ł	228	408	10/13/199	10/13/200	Primary DOE			None	Energy Research and Development	Energy Cooperation	
		Title:	Agreement for	r Energy Coo	peration between the De	partment o	of Energ	y of the United States o	of America and the Ministry of Energy and Mines of the R	Republic of Venezuela	
Comment: Supersedes the March 6, 1980 Energy R&D agreement											
	443	73	7/10/1980	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Project Annex 1 - Crude Characterization	
		Title:	Project Annex	I between th	e Department of Energy	of the Un	ited State	es of America and the i	Ministry of Energy and Mines of Venezuela for the Joint (Characterization of Heavy Crude Oils	
	Con	nment:	Exchange publ	lished technic	al information and jointl	y modify o	r develop	new techniques for the	e characterization of heavy crude oil and heavy ends.		
2	144	82	9/29/1980	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Project Annex 4 - Enhanced Oił Recovery Thermal Processes	
			Project Annex Process	: IV between	the Department of Energy	gy of the U	nited Sta	ttes of America and the	e Ministry of Energy and Mines of the Republic of Venezu	ela in the Area of Enhanced Oil Recovery Thermal	
	Comment: Cooperate in the application of additives to steam injection for the recovery of heavy oil thereby further efforts on the understanding of the thermal processes and the reservoir and its fluids where these processes are conducted.									ses and the reservoir and its fluids where these	
4	445	137	3/14/1984	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Project Annex 10 - Training of Petroleum Engineers	
		Title:	Project Annex	X between t	he Department of Energ	y of the Ur	ited Stat	es of America and the	Ministry of Energy and Mines of the Republic of Venezue	ela for On-Site Training of Petroleum Engineers	
	Con	ıment:	Training of Ve	nezuelan peti	roleum engineers at Elks	Hills Nava	l Petrole	um Facility.			
4	146	264	2/16/1989	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Project Annex 14 - Exchange of Energy-Related Personnel	
		Title:	Project Annex	XIV betwee	n the Department of Ene	rgy of the	United S	tates of America and t	he Ministry of Energy and Mines of the Republic of Vene	zuela for the Exchange of Energy-Related	
	Con	iment:	DOE and MEN	√V shall coop	perate in using their good	l offices an	d taking	all reasonable steps to f	facilitate the exchange of energy-related personnel between	Venezuela and the U.S. in the areas of fossil	
4	447	333	4/26/1994	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Project Annex 15 - Oil Recovery Information and Tech. Transfer	
		Title:			KV to the Memorandum Dil Recovery Informatio				nt of Energy of the United States of America and the Minis	stry of Energy and Mines of the Republic of	
	Con	ment:	Evaluate past a	and ongoing i	mproved oil recovery pro	ojects in US	S and Ve	nezuela; Data base com	pilation and exchange		
	199	448	8/15/1995	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Annex 16 - Oil and Petrochemical Ecology and Environmental Research	
		Title:	Implementing Venezuela in ti	Agreement) he Area of O	XVI to the Memorandun il and Petrochemistry Ed	of Unders cology and	standing Environ	between the Departme mental Research	ent of Energy of the United States of America and the Min	istry of Energy and Mines of the Republic of	
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Comment: Information exchange, biotechnology update and analysis of industrial and environmental trends.

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All In Force Bilateral Agreements

ID	File#	Start Date	End Date	Agreement Type	Legally Binding	Parent ID	Parent Type	Subject	Brief Description	
500	449	9/7/1995	10/13/200	Secondary DOE		228	Primary DOE	Fossil Energy	Annex 17 - Drilling Technology	
	Title: Implementing Agreement XVII to the Memorandum of Understanding between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Republic of Venezuela in the Area of Drilling Technology									
Con	Comment: Exchange information and training of personnel on drilling technologies for more efficient and cost-effective methods drilling.									
633	528	8/9/2001	8/9/2006	Secondary DOE		228	Primary DOE	Fossil Energy	Project Annex No. XVIII - Natural Gas Technologies	
Title: Project Annex No. XVIII to the Agreement for Energy Cooperation between the Department of Energy of the United States of America and the Ministry of Energy and Mines of the Bolivarian Republic of Venezuela in the area of Natural Gas Technologies										

Comment: