roup Su nvironmental and Resource roductivity of the Economy	bgroup CO2 and energy productivity of the																															
Resource roductivity of the Economy		Production based CO2 emissions	Unit Tonnes, Millions	1990	1991	1992	2 1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006 2	107 200	2009	2010	2011	2012	2013 20:	14 2015	2016 20	17 2018	2019	2020 2	2021 2
Economy	economy																															
		Production based CO2	USD per kilogram, 2015	117,77	118,58	110,5	8 111,37	105,07	94,58	95,67	96,96	112,32	113,24	119,97	120,57	123,4	115,98	118,93	112,16	119,9 11	121,2	110,6	119,93	122,81	107,09 1	36,32 99,	52 93,88	99,95 104	,52 107,58	111,81	109,6	
		Production based CO2 productivity, GDP per unit of CO2 emissions																														
				0.66	0.65	0.6	2 0.6	0.61	0.67	0.67	0.7	0.63	0.65	0.64	0.66	0.67	0.74	0.78	0.88	0.89	1 1.0	1.24	1.23	1.29	1.59	1.72 1	.96 2.2	2.22	2.21 2.21	6 23	2.39	
		Total primary energy supply	Tonnes of oil equivalent (toe), Millions																													
		Energy Productivity, GDP per unit of TPES		_	-		_			-	-			_							-	_	-			-	+		45,95	5 47,02	45,09	49,2
		unit of TPES		1643,44	1613,25	1526,2	4 1435,09	1376,05	1608,57	1576,69	1628,66	1632,17	1633,73	1649,91	1700,58	1706,32	1838,09	1998,35	2260,68	2352,82 263	7,85 2794,5	3306,8	3271,87	3415,68	4192,87	551,9 521	4,7 5847,00	5864,07 582	2,06 5063,45	5 5471,18 5	5797,56	
		Energy intensity of GDP, TPES per GDP	koe/USD(2015)											1,029	0,978	0,957	0,863	0,771	0,677 0,6		0,521	0,447	0,426		0,299 0,2	75 0 22	0,218	0,204 0,203		0,193 0,:	450	159 0,13
		Renewable energy supply, % total energy supply	Percentage		1						-			1,025	0,976	0,537	0,003	0,771	0,077 0,0	0,330	0,321	0,447	0,420	0,304 0	299 0,2	13 0,237	0,218	0,204 0,20	0,2	0,193 0,	105 0,1	139 0,13
		Panawahla electricity 96 total	Percentage	1,21	1,09	1,2	1 1,36	1,34	1,36	1,39	1,21	1,16	1,36	0,66	0,81	1,08	1,51	1,14	1,76	0,9),92 0,8	1,35	1,57	1,06	1,42	1,23 1	,41 1,65	1,57	,73 1,06	1,19	0,96	
		Renewable electricity, % total electricity generation									_			_								_				10,4 10	0,9 11,8	11,6	13 9,4	10,2	7,52	7
		Energy consumption in agriculture, % total energy	Percentage																													
		Energy consumption in services, % total energy	Percentage	-	4,14	3,2	9 3,06	2,8	4,21		7,82	3,55	3,48	3,45	3,8	3,83	3,82	3,89	3,77	4,08	1,26 3,	2,67	2,41	2,44	2,69	2,9 3,	01 3,39	3,34	,23 5,6	4,59	3,4	_
				0,35	0,36	0,7	3 0,63	0,57	7,74	5,18	9,33	8,7	8,79	8,76	8,57	8,58	8,72	8,71	8,7	8,64	8,59 8,6	8,78	8,89	8,97	8,73	8,52 8	,33 8,18	8,72	1,57 12,26	3 13,55	12,81	
		Energy consumption in industry, % total energy	Percentage	6.91	. 64	6.8	1 6.39	5,92	24,36	20,05	16,03	23,29	23,31	23,18	23,13	23,32	23,51	23,39	23,34	23,2 2	8,14 23,1	23,13	23,33	23,56	23,64	23,28 2	13,2 23,18	22.86 2	3 36 22 10	3 23,97	20.55	
		Energy consumption in transport, % total energy	Percentage			3,0	2,00			2.5,60		,20	20,01	22,10	23,10	23,02		23,30			20,1	22,10	3,33									
		consumption Energy consumption in other sectors(buildings), % total	Percentage	7,7	7,01	6,1	9 5,39	4,62	8,94	12	11,87	13,31	13,52	13,06	13,35	12,58	12,07	12,11	12,62	12,68 1	2,98 12,3	12,78	12,3	11,86	11,64	10,85 11	39 11,55	10,9 1	.11 19,07	19,75	18,22	-
		sectors(buildings), % total energy consumption		81,04	82,09	82,9	9 84,54	86,1	54,74	54,77	54,95	51,15	50,91	51,56	51,15	51,69	51,88	51,91	51,56	51,4 5	1,03 51,9	52,64	53,08	53,17	53,3	54,45 54,	,08 53,71	54,19 5	1,72 40,95	38,14	45,01	
Ri	esource productivity of the economy	energy consumption Material productivity, GDP per unit of material consumption	USD per kilogram, 2015				9 0.44	0.43	0.46	0.45	0.49	0.46	0.49	0.47	0.40	0.49	0.64	0.62	0.56	0.6	0.64	0.72	0.77	0,76	0.79	0,81 0,	1.83 0.86	0.82	0.93	8 0.91		
		Water productivity	USD dollars per m3, 2015																	89787 0,971230				1,3085 1	,3974 1,4	1,593	1,5632					
			kg per hactar of cropland Tonnes, Millions			163,16495	142,250056	105,863921	105,921788	99,4191242	195,465714	184,100045	172,985041	163,214286	160,745369	160,347904	155,905512	141,85202	149,3 165	5,2033 169,0571	3 175,869412	197,896699	205,39	213,02 2	11,39 23	1,75 244,6						
atural asset base	Renewable natural resources	production	Cubic meters, Billions	_													-				-						0,56	0,59 0,68	0,76	1,02 3,	,5 5,7	7
acurur uasec buse	Nemewaste rational resources	Water stress	Percentage	·	1		_	53,763	53,0990476	53,0350952	53,5711429	53,50/1905	53,4432381	53,3/9285/	53,74	52,595	51,45	50,305	49,16 49,	30444 49,44888	9 49,5933333	49,/3////8	49,882	50,027 5	J,1/1 50,	316 50,46	55,14	34,33 38,9	58,904	58,904		
								154 181245	153 997842	153 81444	153 631038	153 447635	153 264233	153 080831	154 115285	150.83166	147 548036	144 264411	140 98 141	1,395 141,8092	142 223497	142 637734	143.05	143 47 1	43.88 14	4 29 144 7	1 158 13	156 44 168	168 92	168 92		
		Freshwater use, Agriculture,% of total water use Freshwater use, Domestic, % of total water use	Percentage																	16097 90,32466												
		Freshwater use, Domestic, % of total water use	Percentage																													
								4,44750667	4,63231518	4,81485532	4,99516862	5,17329556	5,34927567	5,52314754	5,69494883	6,07806848	6,47623949	6,89036661	7,3214 7,0	29882 6,7333884	9 6,43182026	6,12504618	5,8129	5,4953 5	,1721 4,8	431 4,508	.2 4,3656	4,4648 4,09	17 4,0917	4,0917		
		Freshwater use, Industry, % of total water use	Percentage																													
								1,89992249	2,19314764	2,48277371	2,76886656	3,05149045	3,3307081	3,60658071	3,87916804	3,59636578	3,30245325	2,99676262	2,6786 2,8	09152 2,9419479	8 3,077017	3,21441767	3,3542	3,4965 3	,6412 3,7	886 3,938	16 3,553	3,8746 3,61	53 3,6163	3,6163		
		Forest area	Hectars, Millions																													
																										0.01	0.141	9,146 10,56	66 11 367	11 572 1	1.075	
		Forest coverage,% of total land	Percentage																			_						8,1397 8,191				
		Forest resource stocks	Cubic metres, Millions																											10,000		
																	_						40,7	40,8	43,1	54,1	48 49,4	50 5	1,5 52,7	53	55	60,3
	Non-renewable natural resources	Land area	thousand km ²		425,4	425,4	425,4	425,4	425,4	425,4	425,4	425,4	425,4	435,96	435,91	435,91	435,87	435.05	425 05 425	5,85 435,98	435,97	435,94	425 00	435 04 4	125 0 42	E 70 440 6	440 50	440,59 440,5	E 0 440 E0	440 55 4	40.65	
		Agriculture land	thousand km ²			277,24	276,47	276,4	276,43	276,4	276,37	273,34	273,31	273,28	273,25	270,46	268,65	266,84	265,03 263	3,22 261,41	259,6	257,79	255,98	254,17 2	52,36 25	2,36 254,2	2 255,48	255,46 255,3	3 255,2	255,55 25	56,83	
		Agriculture land(percentage) Cultivated land	Percentage thousand km2																	39234 59,95862												
		Cultivated land	thousand km2																													
		Natural gas production	Cubic metres, Billions											3778,3	3444,5	3540,8	3790,1	3695,7	3647,5 363	37,4 3560,3	3609,7	3608,6						3706,7 3474	,5 3396			260,7
			Cubic metres, Billions		-	-	-		-	-	-		-	56	57	60	58	60	61 63	66	68	67	66	63 6	52 58	54	55	56 57	62	61 50) 54	1
																						40					42		40	F0 4		.
	Biodiversity	Protected natural areas	Hectars, Millions						-						J.				50 52	31	33		-3	- 4	140	43	142	40	40	55 46	, 32	
													_											0,8232	,8854 0,8	854 0,885	5 0,8855	0,8855 0,874	45 1,5457	1,5459 1	,5706 3,4	4578
		Threatened Species, Plants	Number																													
		Threatened Species, Animals	Number		1		-		-		-		-	-			-				-	321	-	-	+	+	+-	++	+-	314		
																						477								177		
		Annual mean temperature	Degree celsius																													
				13,53	13,14	12,64	12,16	12,55	14,03	12,48	13,66	13,23	14,14	14,01	14,04	14,01	13,25	14,59	14,24 13,	91 14,12	13,45	13,77	14,5	13,23 1	3,22 14,	54 13,02	14,3	14,66 14	13,86	14,59 13	3,9 14,	1,78
Environmental E dimension of quality of life	Environmental health risks and costs	Air pollution	Tonnes, thousand																					T								
quality of life		Mean nonulation experies to	Micrograms per cubic mater											-								-			17,6 855			1008,2 853,5			24,4 908	08,7
		Mean population exposure to PM2 5 Percentage of population exposed to more than 35 micrograms/m3	Percentage	36,83			-		39,31	-	-		-	38,63			-		32,71		-	-	33,61	43,04	40,46	41,04 38,	91 36,99	36,67 3	6,62 36,34	4 36,35		
		exposed to more than 35 micrograms/m3																														
				50 70					61,23					56.76					35.80				32.00	80,78	71.02	74.61	73 50 2	50.97	5.01 52.00	8 50 50		
		Mortality from exposure to ambient PM2.5	Per 1 000 000 inhabitants	50,79					61,23		-			56,76				- "	30,00			1	32,68	81,08	, 1,92	14,01 58,	50,31	50,37 55	52,68	99,90		
		unaven FRZ.3																														
				497,89	528,52	572,2	7 632,33	681,93	711,89	739,41	741,93	750,37	749,24	771,31	776,38	783,8	785,52	783,55	802,55	776,07 77),39 776,4	769,88	776,4	800,49	823,28 8	831,33 839,	0,09 839,49	831,59 825	5,28 821,12	ž 811,53		
		Welfare costs of premature mortalities from exposure to ambient PM2.5, GDP equivalent	Percentage																													
		ambient PM2.5, GDP equivalent																														
		Mortality from average to	Per 1 000 000 (-1-1-1-1-1-	6,21	6,61	7,2	6 8,05	8,75	9,17	9,51	9,51	9,59	7,52	7,75	7,8	7,88	7,9	7,88	8,07	7,81	7,76 7,8	9,38	9,4	9,64	9,86	9,9 9	9,81	9,74	1,64 9,55	5 9,41	-	
		Mortality from exposure to ambient ozone	Per 1 000 000 inhabitants	6,21	6,61	7,2	6 8,05	8,75	9,17	9,51	9,51	9,59	7,52	7,75	7,8	7,88	7,9	7,88	8,07	7,81	7,76 7,8	9,38	9,4	9,64	9,86	9,9 9	,94 9,88	9,74	3,64 9,58	5 9,41		
		Mortality from exposure to ambient ozone	Per 1 000 000 inhabitants	6,21	6,61	7,2	6 8,05	8,75	9,17	9,51	9,51	9,59	7,52	7,75	7,8	7,88	7,9	7,88	8,07	7,81	7,76 7,8	2 9,38	9,4	9,64	9,86	2 0,0	94 9,8.	9,74	9,64 9,5.	5 9,41		

		Welfare costs of premature deaths from exposure to ambient ozone, GDP equivalent	Percentage																									Т	T				\Box
		ambient ozone, GDP equivalent					0.25													0.11													
		Mortality from exposure to lead	Per 1 000 000 inhabitants	0,26	0,25	0,24	0,25	0,27	0,28	0,28	0,27	0,26	0,2	0,19	0,17	0,15	0,15	0,14	0,13	0,11	0,11	0,1	0,1 0,	08 0,08	0,08	0,08	0,07 0,	38 0,08	3 0,1	0,08	0,09		
		Welfare costs of premature	Percentage	67,9	72,28	78,8	87,9	94,76	98,13	101,46	101,4	102,33	102,33	106,76	109,56	113,1	115,97	117,6	121,07	115,58	11,99 1	10,86	107,03 104	99 104,9	103,72	100,54 9	8,02 95,	,65 92,94	90,63	88,39	85,28		
		Welfare costs of premature deaths from exposure to lead, GDP equivalent		0,85	0,9	1	1,12	1,22	1,26	1,31	1,3	1,31	1,03	1,07	1,1	1,14	1,17	1,18	1,22	1,16	1,13	1,12	1,3 1,	27 1,26	1,24	1,2	1,16 1,	,13 1,0	09 1,06	1,03	0,99		
		Mortality due to respiratory disease, % of all cause of death	Percentage																														
	Environmental Services	Population access to safe drinking water	Percentage				-				_																		4,8	4 (1,2 7,2	6,7	9,6
		Population access to sewerage services	Percentage				-							_			_						. 82,5	82,7	82,7 82	,6 82,3	81,4	76,4	75,6	75,3	76,6 67,4	68,3	72
		Population access to sanitation	Percentage				-			_	_		-	-			-			-			. 36,9	37,8	37,6 37	,8 37,8	36,5	35,9	35,8	35,7	36,3 37,3	43,6	48
Economic	Technology and innovation: Patents	Development of environment-	Percentage				-		-	_	_			92,6781992	93,2938837	93,9026626	94,5044225	95,0990788	95,687 96,26	713 96,8405	97,40670	64 97,9658	1825 98,51	99,06	99,598 99	,975 100	100	100	100	100	100 100		
Economic opportunities policy respon	nd es	related technologies, % all technologies	Decreation	0	0	0	40	33,33	0	0	0	0	14,29	66,67	33,33	20	25,51	34,45	38,76	53,85	16	20,75	8,73	20 32,41	0	16,15	9,52	0 25,73	3 55,29	14,29			
	Technology and innovation: Patents and es	related technologies, % inventions worldwide	Percentage	0			0.01	0,01			0	0	0	0.01	0	0.01	0	0.01	0	0,01		0		0 0	0		0	0	0 0,01	0			
		Development of environment- related technologies, inventions per capita	Number				5,5							5,4.1		5,00	-																
	Financial flows	Public expenditure in environment protection, % of total expenditure	Percentage	0	0	0	0,05	0,02	0	0	0	0	0,02	0,04	0,02	0,04	0,04	0,07	0,04	0,07	0,03	0,03	0,02 0	04 0,07	0	0,06	0,03	0 0,08	5 0,11	0,02			
							_			_	-			_			_								0,04 0,	0,06	0,05	0,05	0,15	0,05	0,05		
		Public expenditure, % of GDP																							0.01	0.02	0.02	0.01	0.04	0.01	0.02		
		Public expenditure in SDG-13 (Climate Action), % of total expenditure	Percentage																														
	Environmental taxes and transfers	Environmental Revenues/tax and fee, % of total revenue	percentage				-				-		-	_			_									**	**				0,1 0,1	0,2	0,1
		Energy Subsidies in Uzbekistan(Oil)	USD, Million, 2019				_			_	_			_			_						-				0,000:	0,01	0,02	0,01			
					_		-			_	_			_		_	_						. 9	440	474 50	2 399	134	155	442	980	748 455		
		Energy Subsidies in Uzbekistan(Electricity)	USD, Million, 2019																				1757	1764	1501	vc 00F	C00	244	1262	2400			
		Energy Subsidies in Uzbekistan(Gas)	USD, Million, 2019			-	-				-		**	_			_						. 1/5/	1/64	1581 12	565 885	608	344	1363	2488	1471 1188	8	
		Diesel end-user price, USD per litre	USD per litre, 2015			-				-	-		-										. 7797	6504	5232 48	51 391	2514	1977	3810	5562	3024 216	1	
		Petrol end-user price, USD per litre	USD per litre, 2015			-	-		-	-	-			-			-				-	1,75	1,89 1,	87 2,13	2,02	1,85	2,14 2,	08 1,96	8 1,99	2,96	2,87	2,68 3	
		Average retail price of petrol					_			_	_			-			-				-	1,96	2,1 2,	08 2,36	2,23	2,04	2,27 2,	,12 2,1	13 2,58	3,6	3,18	2,73 3,	19
							_			_	_			_			_					. 0,83	0,78	0,97	0,99 0,	91 0,84	0,93	0,96	0,63	0,63	0,65 0,59	0,58	0,81
		Residential electricity price. USD per kWh					_			_				_			_				_				0,14	0,13	0,14 0,	,15 0,1	16 0,14	0,13	0,13	0,13 0,	.11
		Industry electricity price, USD per kWh	USD, 2015																														
Socio-econor context	ic Economic growth and competitivenes	s Gross domestic product (GDP) Real	UZ Soums, trillion			-	-			_	_		-	_			_					-	-		0,14	0,13	0,14 0,	15 0,16	5 0,14	0,13	0,19	0,2 0,	
		Gross domestic product (GDP) per capita, Real Real GDP growth rate	UZ Soums, million	-			-			_	_												-	85	111 13 3,7 4,				267		452 543 13,6 16		780 22,1
		Post GDR growth rate	Percentage	-	_	-			<u> </u>					-		-					-	-		E,3	4,	3,4	0,0	-1,4	-0,0	10,3	,U 10	15,5	144,1
		near cor grown rate																															

	Value added, Industry,% of total	Percentage																														
	Value added, Services,% of total	D		-	-	-	-	-	-	-	-	-	23,1	22,6	22,2	23,7	26	29,1	29,8	29,9	32,2	33,6	24,12	22,29	23,01	23,76 24,4	8 24,7	8 25,13	26,46	30,5	33,77	3,43
	value added, Services,% or total	Percentage																														
	Consumer price Index (CPI), %	Percentage		1	-	-	-	-	-	-	-	-	42,5	43,4	43,3	43,3	43,2	41,4	42,3	44,2	45,9	45,8	45,29	44,24	44,37	45,2 43,6	9 43,0	8 42,78	41,35	39,76	39,58	89,75
	of previous year December												28.2	26.6	21.6	3.8	3.7	7.8	6.8	6.8	7.8	7.4	7.3	7.6	7	6.8 6.1	5.6	5.7	14.4	14.3	15,2	1.1
	Foreign Trade, Export	USD, million											1					.,-	-,-	-,0	,,,,		,,=			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	5,0	3,	-,,			-,-
		USD, million											3264,7	3170,3	2988,4	3725	4853	5408,8	6389,7	8991,5	11493	11771	13023	15021	13600	14323 1354	16 1250	12095	12554	13991	17459	5102
	Foreign Trade, Import	USD, million					_						2947,4	3136,9	2712	2964,2	3816	4091,2	4781,5	6728,1	9703,9	9438,3	9175,8	11345	12817	13947 1391	34 1241	7 12138	14012	19439	24292	1154
abour market and socio-demographic patters	Share of low income population	percentage												. 27,5	26,5	27,2	26,13	25,79	24.0	23,65	21,8	19,5	17,68	4.5	45.04	14,07 13,3		422				1,49
	Inequality (Gini-coefficient)	coefficient	-		-	-	_	-		-			-	_ 27,3	20,3	27,2	20,13	23,75	24,5	23,03	21,0	19,3	17,08	10	13,04	14,07 13,3	1 12,0	4 12,3				
	Total labour force	Million	-	-	-	-	-		-	-	-	-	-	-				-				-	+	-	-		-		0,262	2 0,262	0,262	0,2764
																							16 726	17 28	17 56	17.81 18.0	48 18 2	76 18 489	18 666	18 83	18 949	9 158
	Employment rate, % of total labour force	Percentage						Ï																								
	Employment, in agriculture, %	Percentage	-		-		-		-	-	-	-	-	-		-		-				1	. 70	69	/0	70 71	71	72	72	/0	/1	59
	of total employment			40,46	40,15	40,27	40,49	40,33	40,11	39,96	39,4	38,5	37,67	36,72	35,74	34,73	33,6	32,44	31,28	30,05	28,83	27,71	26,81	27,09	26,6	21,17 27.5	3 26.8	7 26,23	25,77	25,11	24,33	4,46
	Employment, in industry	Percentage																														
				22,94	22,51	22,06	21,32	20,93	20,66	20,24	20,05	20,25	20,02	19,94	19,86	19,95	20,18	20,43	20,79	21,3	21,71	22,33	22,7	22,73	22,7	22,73 22.7	8 23.1	4 23,46	23,71	24,1	24,53	4,83
	Employment, in services	Percentage		36.6	37.33	37.67	38.2	38.74	39.23	39.81	40.56	41.25	42.31	43.34	44.39	45.32	46.23				49.45	49.96				50,1 49,6						
	Gross school enrolment, primary	Percentage		30,0	37,33	37,07	38,2	38,74	39,23	39,61	40,56	41,25	42,31	43,34	44,39	45,52	40,23															
	Gross school enrolment, secondary	Percentage					-				-		-	-				97,046	96,20152	94,5891113	93,5075302	92,8130112	93,932	94,538	96,318	97,636 98,4	74 99,9	32 101,57	103,65	104,23	102,22	100,07
							-			-				_				88,89	88,59335	89,6149063	88,207962	89,473053	89,871	90,216	92,082	91,795 92,0	11 91,8	46 92,607	93,336	94,988	97,419	2,973
	Gross school enrolment, tertiary	Percentage																														
	Total Population	million	-	_	-	-	-		-	-	-	-	-	-		-	-	10,075	10,28241	10,1954498	10,2195997	9,98674965	9,3773	8,8254	8,0388	8,0866 8,10	31 8,22	41 8,4636	9,1811	10,076	12,582	15,92
				20,9	21,4	21,9	22,4	22,8	23,2	23,7	24,1	24,3	24,6	24,9	25,3	25,6	25,9	26,2	26,5	26,9	27,3	27,8	28,6	29,3	29,7	30,2 30,8	31,3	31,8	32,4	32,9	33,6	14,2
	Life expectancy, total	age											70.8	71.3	71.2	71.2	71.6	71.8	72.5	72.7	72.9	72.9	73	73	73.1	73.4 73.4	77 6	73.9	73.7	74.6	75.1	3.4
	Life expectancy, men	age																							- ·							
	Life expectancy, women	age		-	-		-	-	-	-	-	+	68,4	68,9	68,9	69,2	69,4	69,6	70,2	70,3	70,5	70,6	70,6	70,6	70,7	71,1 71,1	71,2	71,4	71,3	72,3	72,8	1,2
	Net external migration	thousand	_	-		-	-		-	-	-	-	73,2	73,6	73,5	73,6	73,8	74,1	74,9	75	75,1	75,2	75,1	75,2	75,5	75,98 75,8	76	76,2	76,1	77	77,4	5,5
																		1					1	1							1 1	