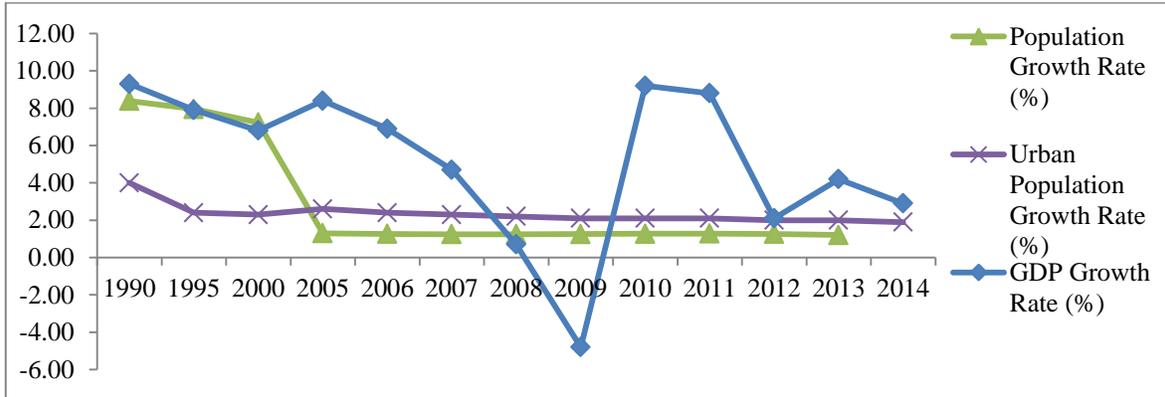


Public Attitude to Nuclear Energy from Climate Change and Energy Security Perspectives in Turkey

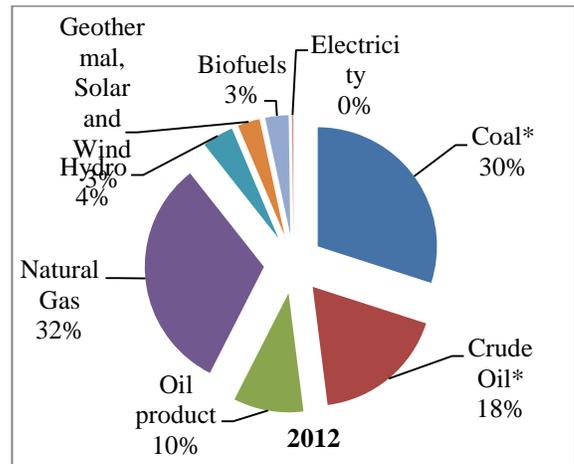
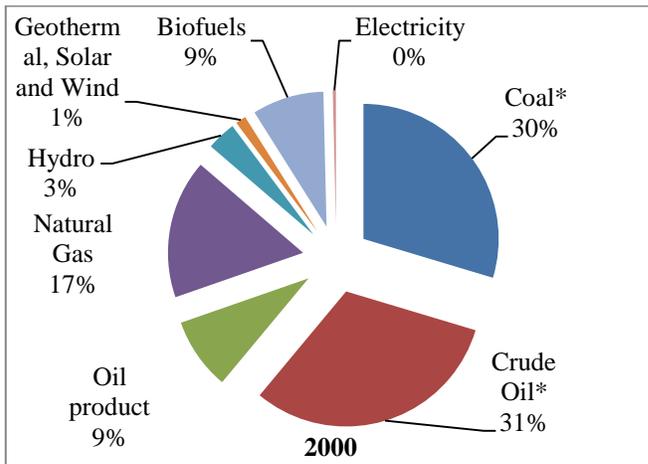
TABLE 1: *Top 12 Nuclear Generating Countries Including Turkey*

Country	Nuclear share (%)						Nuclear Electricity Production (TWh)	Number of Nuclear Units	Nuclear Capacity (MWe)	No.	Under Construction (MWe)	No	Reactors planned (MWe).	
	2005	2010	2011	2012	2013	2014	2014	2015	2015	2015	2015	2015	2015	
United States*	19,30	19,60	19,20	19,00	19,40	19,50	798.6	99*	98,792	5	6018	5	6063	
France	78,50	74,10	77.7	74.8	73.3	76.9	418,00	58	63,130	1	1720	1	1720	
Russia	15,80	17,10	17,60	17,80	17,50	18,60	169.1	34	25,264	9	7968	31	33264	
South Korea	38,60	32,20	34,60	30,40	27,60	30,40	149.2	24	21,657	4	5600	8	11600	
China	2,00	1,80	1,80	2,00	2,10	2,40	123.8	23	23,144	24	26313	44	51050	
Canada	14,60	15,10	15,30	15,30	16,00	16,80	98.6	19	13,553	0	0	2	1500	
Germany	31,00	28,40	17,80	16,10	15,50	15,80	91,80	9	12,003	0	0	0	0	
Ukraine	48,50	48.1	47.2	46.2	43.6	49.4	83.1	15	13,107	0	0	2	1900	
Sweden	46,70	38.1	39.6	38.1	42.7	41.5	62.3	10	9,487	0	0	0	0	
United Kingdom	19,90	19,60	19,20	19,00	19,40	19,50	57.9	16	9,373	0	0	4	6680	
India	2,8	2.9	3.7	3.6	3.5	3.5	33.2	21	5,308	6	4300	22	21300	
Japan	29,3	29.2	18.1	2.1	1.7	0	14	43	40,480	3	3036	9	12947	
Turkey**	0	0	0	0	0	0	0	0	0	0	0	4	4800	
World							11.5	2411	438	379,261	66	68,997	168	189,504

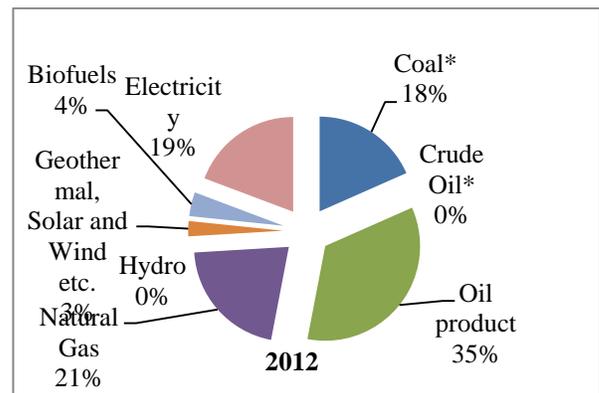
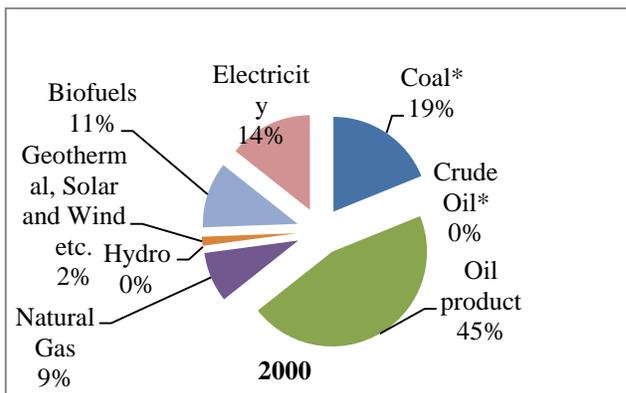
Notes:*the number is slightly different from other energy data** Even though Turkey is not among the top twelve nuclear energy generating countries, it has been placed into the table for comparison, “Under Construction” means the first concrete poured for the reactor or the major refurbishment under way; “Planned” means mostly expected in operation within 8-10 years. Sources: World Nuclear Association (June 2015)



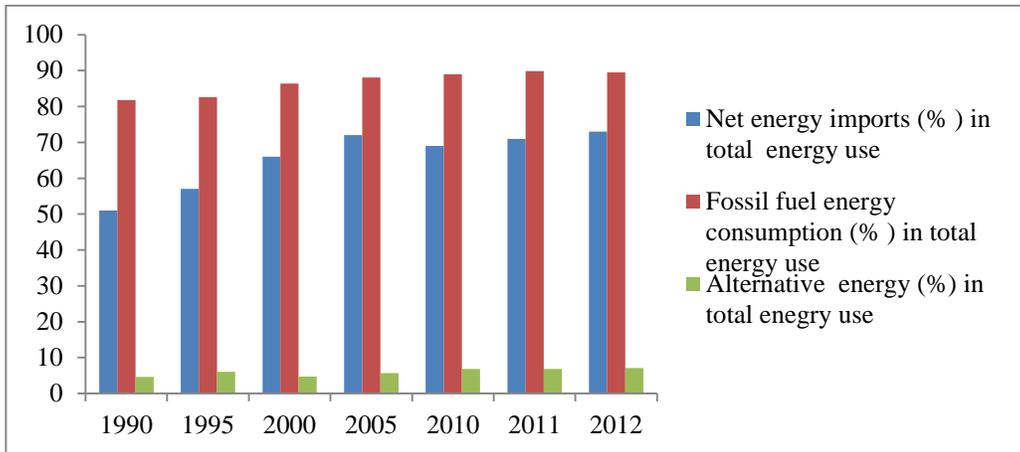
GRAPH 1: GDP Change, Population Growth and Urbanization in Turkey Since 1990, Which Was Created Based on World Bank 2015 Data



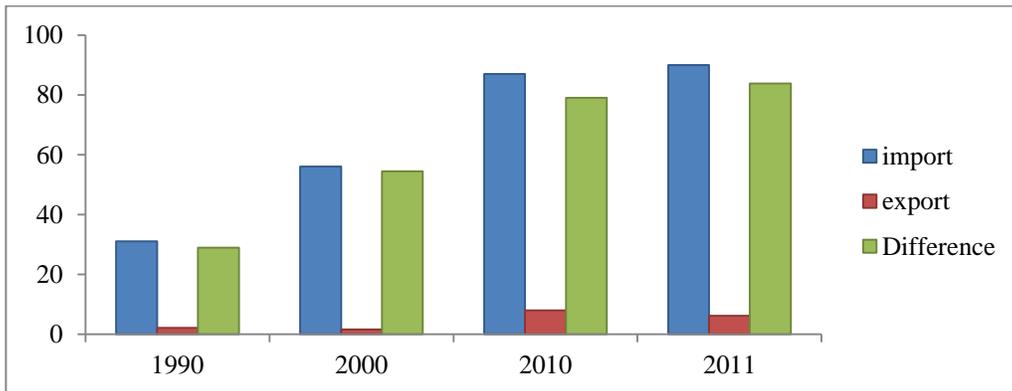
GRAPH 2: The Total Primary Energy Production Share (%) By Resource Types for Turkey in 2000 And 2012



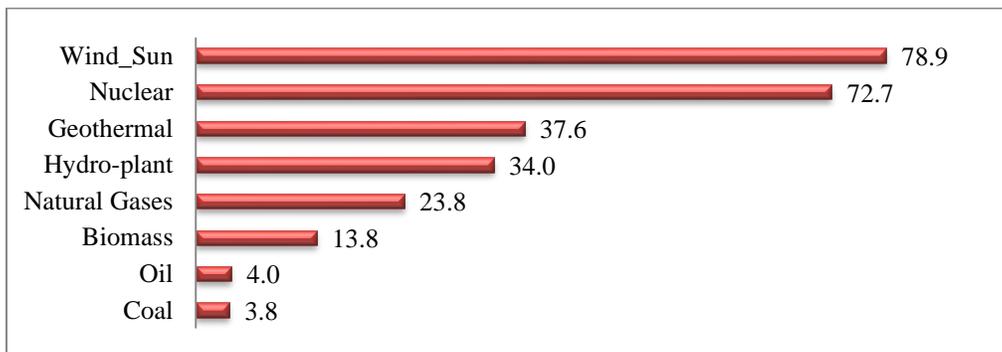
GRAPH 3: The Total Primary Energy Consumption Share (%) With Resource Type for Turkey in 2000 and 2012. Sources: Energy Balance Tables By 2013 In MENR And IEA (2015)



GRAPH 4: The Energy Consumption Per Capita, The Import Rate in the Total Energy Consumption, The Percentage of Alternative Energy and Fossil Fuel in the Total Energy Consumption according To World Bank 2015 data



GRAPH 5: The Total Energy Import and Export Amounts In Turkey In The Period Of 1990 To 2011 (Btoe), (WEC, 2012).



GRAPH 6: Electricity Generation Sources Preference (N=450)

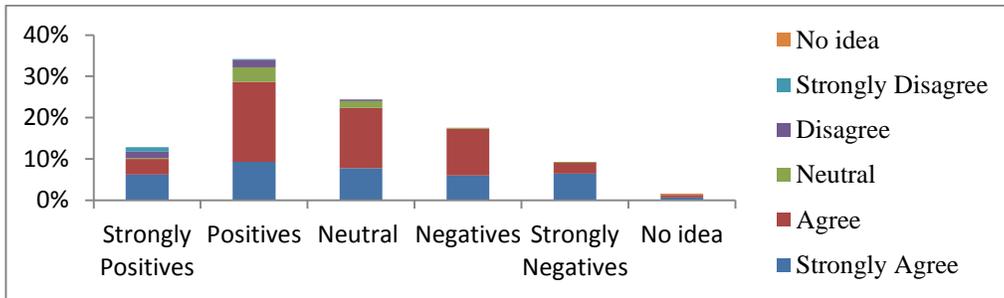
TABLE 2: Likelihood Ratio Tests (n=450)

	Model Fitting Criteria	Likelihood Ratio Tests		
	-2 Log Likelihood of Reduced Model	Chi-Square	df	Sig.
Intercept	889.597	21.694	5	0.001
Climate change concerns	890.754	22.852	5	0.000
Fossil fuels reserves in the future	871.453	3.550	5	0.616
Energy prices in the future	870.973	3.070	5	0.689
Dependency on foreign energy resources	871.189	3.286	5	0.656
Environmental values concerns	881.061	13.158	5	0.022

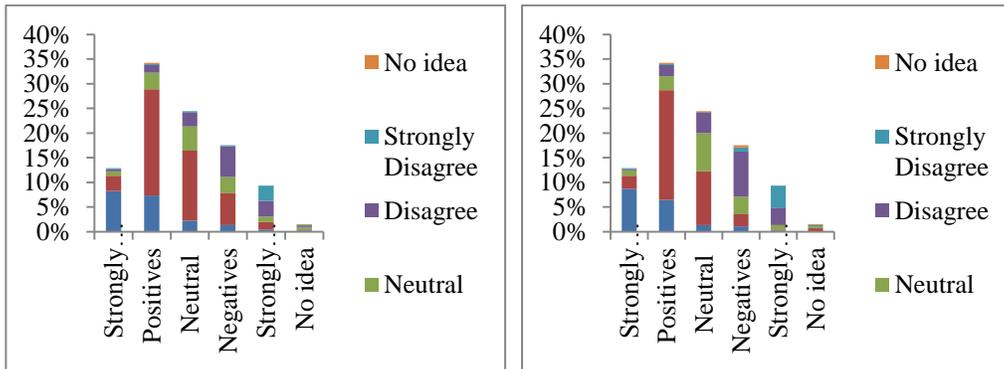
TABLE 3: Parameter Estimates (n=450)

Attitudes to nuclear power ^a		B	Std. Error	Wald	Sig.	Exp(B)
High Positives	Intercept	0.847	1.48	0.327	0.567	
	Climate change concerns	-0.234	0.39	0.358	0.55	0.792
	Environmental values concerns	1.382	1.086	1.618	0.203	3.982
Positives	Intercept	2.098	1.45	2.093	0.148	
	Climate change concerns	-0.312	0.374	0.692	0.405	0.732
	Environmental values concerns	1.298	1.074	1.463	0.226	3.664
Neutral	Intercept	2.165	1.461	2.196	0.138	
	Climate change concerns	-0.578	0.387	2.223	0.136	0.561
	Environmental values concerns	1.365	1.079	1.6	0.206	3.914
Negatives	Intercept	2.647	1.482	3.19	0.074	
	Climate change concerns	-0.722	0.402	3.224	0.073	0.486
	Environmental values concerns	0.938	1.092	0.738	0.39	2.556
High negatives	Intercept	4.724	1.618	8.526	0.004	
	Climate change concerns	-1.574	0.488	10.422	0.001	0.207
	Environmental values concerns	-0.319	1.223	0.068	0.794	0.727

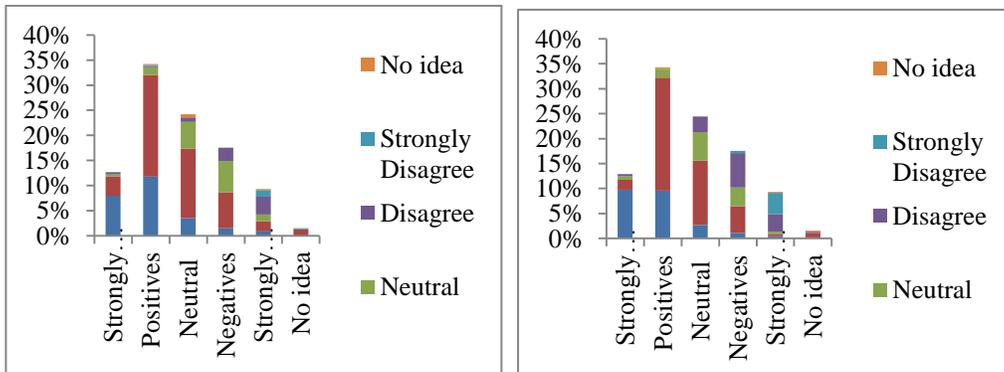
Notes: a. the reference category is no idea.



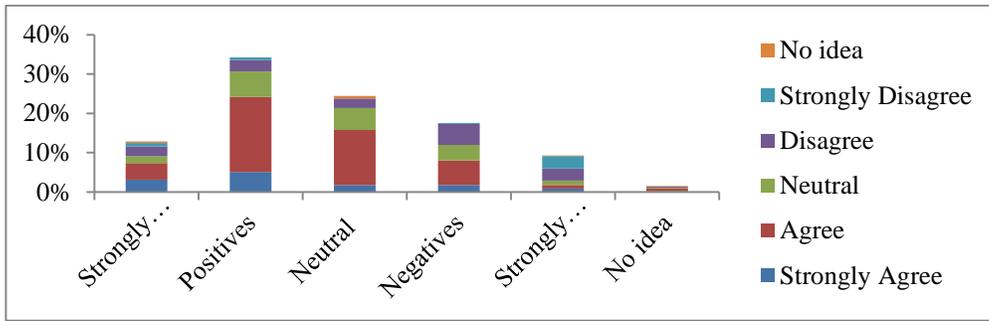
GRAPH 7: Climate Change Concern And Nuclear Energy Attitudes In Pair Comparison (N=450)



GRAPH 8: Conditional Support for Nuclear Energy Including Climate Change And Electricity Generation (N=450)



GRAPH 9: Conditional Support for Nuclear Energy Electricity Power Shortage, Energy Dependency (N=450)



GRAPH 9: Conditional Support on Nuclear Energy Including Climate Change And Energy Security (N=450)