

Current Capacity
12000 MW, 40 Billion kWh

Additional Hydro Capacity
25000 MW, 83 Billion kWh

ATATÜRK (Türkiye)



1983 – 1992, Şanlı Urfa
8*300 MW=2400 MW
8,9 Billion kWh / yıl
166 m Height

Hydro Generation (2006): 44 Billion kWh
Available Hydro Generation: 40 Billion kWh
TOTAL ~85 Billion kWh

THREE-GORGES (Çin)



- 1994 – 2009, Çin, \$25 Billion
- 32*700 MW=22,400 MW
- **85 Billion kWh / yıl**
- \$32.5/MWh
- 2309m x 185m, reservoir 600km

HES Projects Under Construction

- 25 Hydro Gen, 5000MW, 16,3 Billion kWh
- Average year past from its start date is 12 years (5 - 31)
- Expenditure until now **10.6 Billion YTL (\$8.1 Billion)**
- Finance needed to complete **11.7 Billion YTL (\$9 Billion)**
- **Total cost 22.3 Billion YTL, 4460 YTL/kW (\$3420/kW)**

DERİNER DAM	
River	Çoruh
Goal	Enerji
Start/Finish	1998 - 2004
Gövde Dolgu Tipi	İnce Kemer
Gövde Hacmi	3500 dam ³
Heigth (Talvegden)	247 m
Normal Su Kotunda Göl Hacmi	1969 hm ³
Normal Su Kotunda Göl Alanı	26.4 km ²
Power	670 MW
Energy per year	2118 GWh



\$1=1.3YTL

Current HES Projects

	# of Proje	MW	Milyar kWh
Devam Eden HES Projeleri	25	5.000	16,4
Planlama Raporu Hazır HES Projeleri	9	348	1,5
Master Plan Raporu Hazır HES Projeleri	40	1.973	6,3
İlk Etüd Raporu Hazır HES Projeleri	137	2.937	11,6
4628 Göre Lisans Almış HES Projeleri	32	842	3,3
3096 Göre Lisans Almış HES Projeleri	12	273	1,1
TOPLAM	255	11.373	40,2