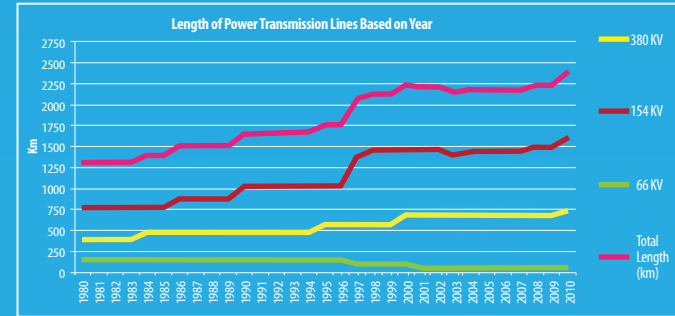


3

READY
INFRASTRUCTURE
AND LAND

Another factor that makes our region most suitable is, for sure, ready infrastructure and available land facilities to energy investments. There are large and nonarable lands in Konya, especially in Karapınar. 59.586.876 square meters of area that has been declared as Industrial Zone Specialized in Energy which will be given further incentives in addition to the current incentive system, will be available to investors. The installed capacity of region's potential for solar power plants is 4000 MW. The Power Substation which will be connected by the manufacturers is at the border of the declared land. With the investments in the region, we think that in an area of 1 m², between 60 KWh and 90 KWh of energy could be produced annually. This amount of energy production per square meter can bring annually the minimum income of 8 USD/m²/year. When compared to similar places, this area has approximately U.S. \$ 10 billion economic value. Also, the studies for Energy Zone with similar physical characteristics in Ayrancı, Karaman have been carried out.



KARAPINAR ENERGY
INDUSTRY ZONE

TOTAL
AREA

59.710.000 m2 (5971 ha)

Installed
Power
Capacity

3.500 MW (1 MW = 1,7 ha)

Energy
Infra
Structure

200 MW (Karapınar PS)

Characteristics

20 lt/sec using of process water,
Number 1 Zone has a distance to Karapınar - Konya Road
1,5 km, Number 3 Zone 18,5 km,
Responsibility to waste - water plant,
Both of two area have %1 gradient value,
Both of two area on 5. seismic zone

KARAPINAR ENERGY
INDUSTRY ZONE

Investment Criteria	Parameter	Karapınar
Location of Area	Annual Total Sunshine Duration	2.964 hour/year
	Annual Solar Radiation	2.100 kWh/m2 year
Climate Charecteristics	Low atmospheric density	Open (02 okta)
	Distance to Riverbeds	There is not river
	Low air polution	Very low
	Low wind potential	5,5 meter/sec/year
	Arid climate	Semi arid, Cold
	Low Humidity	821
	Distance to Sea	265 km/Akdeniz
	Low air temerature	11,83 C°
Spatial Features of the site	Inclined terrain	1,5°
	Land without the risk of earthquakes	5. Degree
	Land has not been protected by law	Yes
	Non forest land	Yes
	Non agriculture land	Yes
	Non pasture land	Yes
	Railway, highway land not exceeding	Yes
	Not close to the airport land	110 km
	Military exeries in the field, away from the land	Enough distance
	Away from the urban area of land	Enough distance
	Away from the main roads and the coastal strip of land	Yes
	Land is not lookup field for mining or oil	Yes
	Distance to Altitudes	Yes
	The land away from the direction of bird migration	Enough Distance
Others	Obstade to investment license	There is no obstade to investment license
	Transformers and Trensmission Constraints	1000 MVA Transformer and 200 MW Transmission Capacity
	Incentives	Customs Duty Exemption, VAT Exemption, Land Allocation, Social Security Premium Support (Employee's Share), Tax Reduction
	Tax Incentives in Industrial Zones	Working
	Qualified Human Resources	52 person/m2

4

ENERGY
INCENTIVES

One of the most important reasons to make a solar energy investment is the guarantee of purchase of the generated energy by the government for ten years. According to the Renewable Energy Law in Turkey, investments which will start the operating process until 2015, the energy prices base fee is determined as 13,3 USD cent/Kwh. In case of the construction of the production facilities with the domestic resources, government will purchase the generated energy in PV technology for a maximum fee of 20 USD cent / KWh for first 5 years and for a fee of 13,3 USD / cent KWh for the next five years.

Energy Incentives	
Renewable Energy Source Based Manufacturing Facility Type	The Prices (USD \$ cent/kWh)
a. Hydroelectric Energy Power Plants	7,3
b. Wind Energy Power Plants	7,3
c. Jeothermal Energy Power Plants	10,5
d. Biomass Energy Power Plants	13,3
e. Solar Energy Power Plants	13,3

5

STRONG INDUSTRIAL
INFRASTRUCTURE

Our region has a very strong industrial infrastructure. There are 77 companies in solar energy technology sector operating in areas such as PV panel, metal construction, eva, glass, solar tracking system, gel and gel battery group, electronic control system, inverter, charge control, metering, connection elements, cable and its equipment,collector and reflectives, CSP and PV plant installation engineering, steam turbine etc. Besides, with the foundation of Renewable Energy Center which will be within the Regional Innovation Center that has been planned to build in Konya in 2014, R&D studies will be performed and this center will contribute the development of the sector.

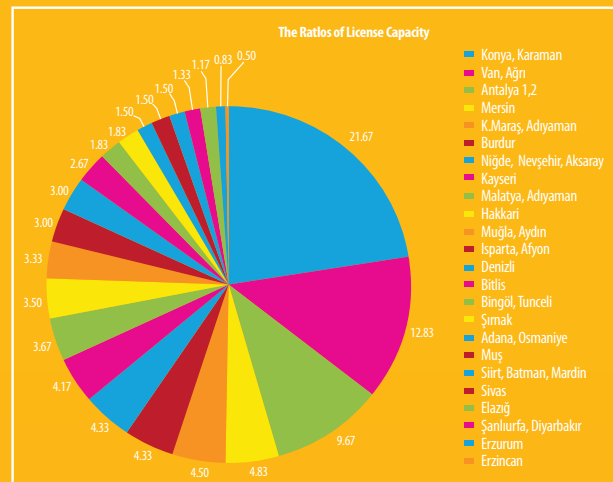
Investment
Consultancy
Support

With its expert staff, Mevlana Development Agency, offers investment consultancy services free of charge for all of the investors wishing to invest in our region.

2

HIGHEST PERMISSION CAPACITY

It has been confirmed by the Ministry of Energy and Natural Resources that Konya&Karaman is the region having the greatest potential for solar energy investments in Turkey. All the regions in Turkey could be licensed for solar energy investments with a total capacity of 600 MW till the end of 2013 which were listed with the study which was performed by the Ministry and published in the official gazette dated 8 January 2011. With this study, investment permissions have been given for 27 regions in all over Turkey, in total. Among these 27 regions that have been allowed Konya has been determined as the region getting the greatest capacity. 92 MW portion of the investments of 600 MW has been allocated to Konya, which was given 13 power substations. Besides, a capacity of 38 MW has been allocated to Karaman, which was determined to have 3 power substations. An investment capacity of 130 MW in total was given to Konya&Karaman. Thus, 22% of the solar energy investments, which will be made in Turkey till the end of 2013, will be realized in the region. It is told that with its flat, large and nonarable land, our region will continue to attract the investors by being the most intense region in terms of solar energy plants in the near future.



888

When based on the percentage of capacity, it is supposed to be given license to 888 MW according to 2023 energy projection in our region

100.000

Electrical Energy Markets and Supply Security Strategy Paper target installed capacity of 100,000 MW by the year 2023,

30.000

The document in question at least 30% of total installed capacity in 2023, renewable energy. Target of 20,000 MW of installed wind power in 2023, the installed capacity target of 600 MW of geothermal,

4.700

Solar and geothermal energy target for 2023, a total of 9,400 MW, When Solar and Geothermal sharing is made of 50% for 2023, the solar power target is 4,700 MW



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for Karaman : www.investinkaraman.com.tr

Mevlana Development Agency

Medrese Mahallesi Ulaşbaba Caddesi No:28
Selçuklu/Konya TÜRKİYE 42060
Tel: 0090 332 236 32 90
Fax: 0090 332 236 46 91
E-Mail: bilgi@mevka.org.tr

Konya Investment Support Office

Medrese Mahallesi Ulaşbaba Caddesi No:28
Selçuklu/Konya TÜRKİYE 42060
Tel: 0090 332 236 32 90
Fax: 0090 332 236 46 91
E-Mail: bilgi@mevka.org.tr

Karaman Investment Support Office

İmarat Mahallesi Atatürk Bulvarı No:2
Merkez/Karaman TÜRKİYE 70100
Tel: 0090 338 213 00 20
Fax: 0090 338 214 02 30
E-Mail: karamanydo@mevka.org.tr



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Development Agency

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1

HIGH RENEWABLE ENERGY POTENTIAL

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