

STE situation in Spain

July 2010



LOCALIZACIÓN DE CENTRALES TERMOSOLARES EN ESPAÑA



Nombre	Localidad	Potencia MW	Fase
PS12	San Lúcar la Mayor	11	Fase 1
ANDASOL 1	Almería	50	Fase 1
PS23	San Lúcar la Mayor	20	Fase 1
PUERTOLLANO IBERSOL	Puertollano	50	Fase 1
PUERTO ENRIADO 1	Colepeyam	1,4	Fase 1
LA RISCA	Aharedo	50	Fase 1
ANDASOL 2	Akoite	50	Fase 1
EXTRESOL 1	Torre de San Miguel Seamezo	50	Fase 1
SOLNOMA 1	San Lúcar la Mayor	50	Fase 1
SOLNOMA 3	San Lúcar la Mayor	50	Fase 1
CENTRAL SOLAR TERMOCÉLECTRICA LA FLORIDA	Aherado	50	Fase 1
PUERTO ENRIADO 2	Puerto Enriado	30	Fase 1
ANDASOL 3	Almería	50	Fase 1
PL. TERMOCÉLECTRICA DE MAJADAS	Majadas	50	Fase 1
PL. TERMOCÉLECTRICA DE PALMA DEL RÍO II	Palma del Río	50	Fase 1
PL. TERMOCÉLECTRICA DE PALMA DEL RÍO I	Palma del Río	50	Fase 1
CENTRAL SOLAR TERMOCÉLECTRICA LA DEHESA MANCHASOL-1	La Cerronilla	50	Fase 1
PLANTA TERMOCÉLECTRICA EXTRESOL 2	Alcázar de San Juan	50	Fase 2
GENASOLAR	Torre de San Miguel Seamezo	50	Fase 2
SOLNOMA 2	Fuente de Andalucía	17	Fase 2
HELIOENERGY 1	San Lúcar la Mayor	50	Fase 2
HELIOENERGY 2	Edja	50	Fase 2
LEBRIJA 1	Edja	50	Fase 2
TERMESOL-50	San José del Valle	50	Fase 2
ARCOSOL-50	San José del Valle	50	Fase 2
PL. TERMOCÉLECTRICA CASAS DE LOS PINOS	Villaverde	1	Fase 3
PL. SOLAR TERMOCÉLECTRICA	Espejo	50	Fase 1
C. TERMOSOLAR "LA AFRICANA"	Fuente Palmera	50	Fase 1
PL. TERMOCÉLECTRICA DE GRSOL ORELLANA	Orellana	50	Fase 1
HELIOS I	Puerto Lajas	50	Fase 1
HELIOS II	Puerto Lajas	50	Fase 1
C. SOLAR TERMOCÉLECTRICA "ASTE-1A"	Alcázar de San Juan	50	Fase 2
C. SOLAR TERMOCÉLECTRICA "ASTE-1B"	Alcázar de San Juan	50	Fase 2
SOLADOR 1	El Casio	50	Fase 2
SOLADOR 2	El Casio	50	Fase 2
PL. TERMOSOLAR DE MORDÓN	Mordón de la Frontera	50	Fase 2
MANCHASOL-2	Alcázar	50	Fase 3
PL. TERMOSOLAR DE OLIVENZA 1	Olivenza	50	Fase 3
PL. TERMOSOLAR EXTRESOL -3	Torre de San Miguel Seamezo	50	Fase 3
C. SOLAR TERMOCÉLECTRICA "ARTEMIS_2"	Berja	46	Fase 3
SOLABEN 1	Logroñán	50	Fase 3
SOLABEN 2	Logroñán	50	Fase 3
SOLABEN 3	Logroñán	50	Fase 3
TERMESOL 1	Navahrill de Pels	50	Fase 4
TERMESOL 2	Navahrill de Pels	50	Fase 4
TERMOSOLAR BORDES, S.L.	Ajón Blanques	22	Fase 4
EXTREMOSOL 1	Villanueva de la Serena	50	Fase 4
SOLABEN 4	Logroñán	50	Fase 4
C. SOLAR TERMOCÉLECTRICA CÁCERES	Galego	50	Fase 4
CASABLANCA	Torreblanca	50	Fase 4
C. SOLAR TERMOCÉLECTRICA ENRISTARVILLENA	Alcante	50	Fase 4
PL. TERMOSOLAR 8MW PUERTOLLANO	Puertollano	8	Fase 4
PL. TERMOSOLAR 10MW PUERTOLLANO	Puertollano	10	Fase 4
PL. TERMOSOLAR 10MW PUERTOLLANO	Puertollano	10	Fase 4
PL. TERMOSOLAR 10MW PUERTOLLANO	Puertollano	10	Fase 4
PL. TERMOSOLAR 10MW PUERTOLLANO	Puertollano	10	Fase 4
PL. TERMOSOLAR 10MW PUERTOLLANO	Puertollano	10	Fase 4
PL. TERMOSOLAR 14 MW PUERTOLLANO	Puertollano	12	Fase 4
ARENALDES	Mordón de la Frontera	50	Fase 4

Total de Plantas 60

● Operativas ● Construcción avanzada ● Preasignadas

THE REGULATORY CHANGES IN THE LAST MONTHS

- ❑ R.D.L 6/2009 (May 2009)
 - Selection of the plants eligible for the current tariff system (R.D. 661/2007)
 - Criteria : Permits, financing, component acquisition, ready by beginning of May
 - 4.500 MW applied – 2400 MW registered
 - Limitation in connection dates: Phases I, II, III, IV (1st January 2011-13) even for starting up purposes
 - 36 months for completion. Dec-2012 for phases I, II and III and Dec-2014 for ph. IV

- ❑ SOCIMI Law passed in the Senate but rejected in the Congress (October 2009)
 - Intention to limit to 500 MW the total STE power eligible for the current tariff system

- ❑ Announcement of changes in the current system (May 2010)
 - Open possibility to reduce the premiums according to art. 44.3 of the R.D. 661?
 - Proposals from the Ministry to restrict the number of operation of STE plants to 2500 h/year
 - Reduction of 10% on the current premium

NEGOCIATION PROCESS

- ❑ Several long and intense meetings between Protermosolar and
 - The Minister
 - The Secretary of State for Energy
 - The General Director for Energy
 and continuous exchange of messages and proposals during the last weeks

- ❑ Great lobby activities of Protermosolar and the member companies in relation with:
 - Political parties
 - Presidents of the Regional Governments

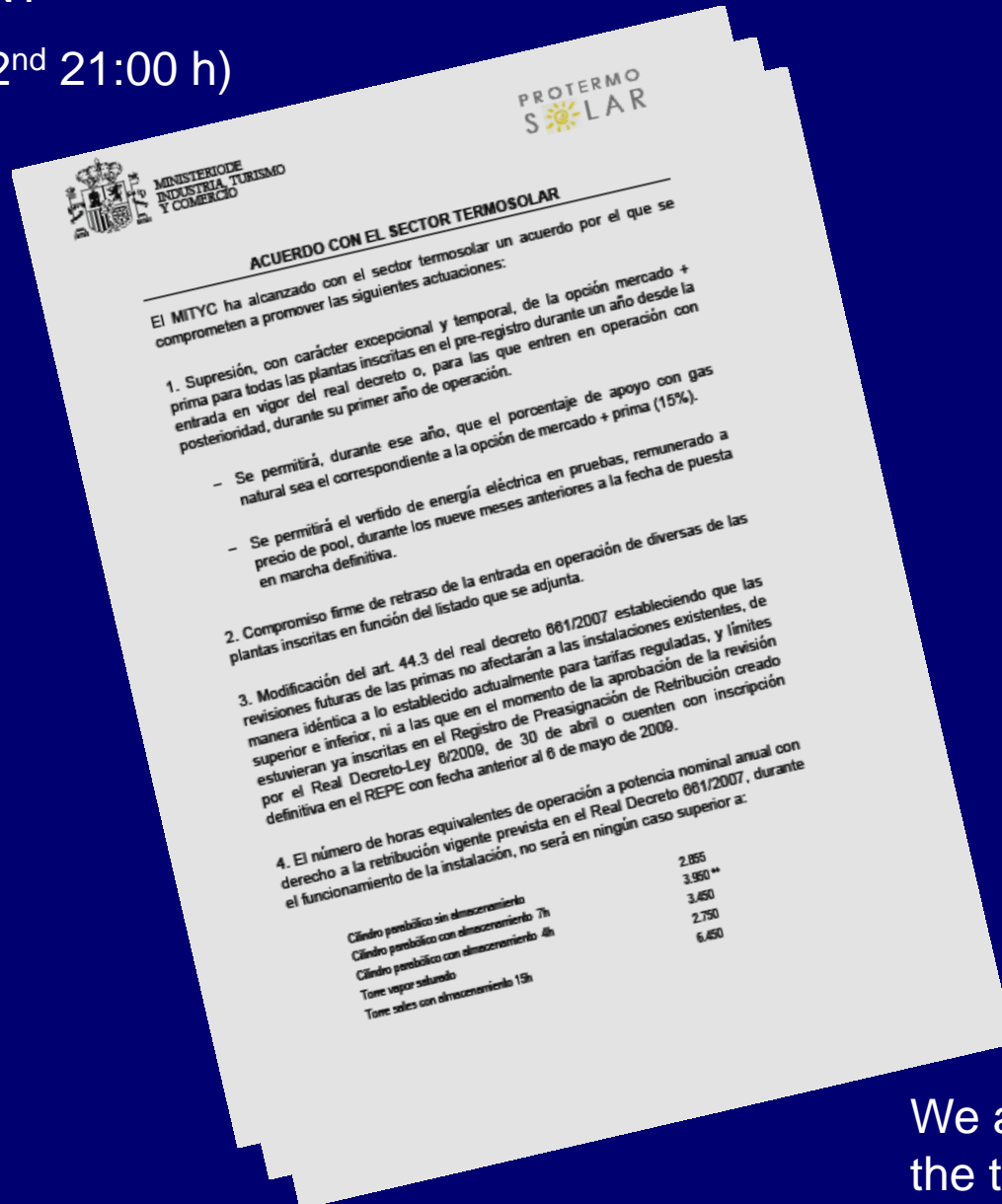
- ❑ Close cooperation with the other R.E. Association
 - Launching of the R.E. Forum promoted by Protermosolar

- ❑ Relevant presence in the media (TV, Radio, Newspapers)

- ❑ Great support from abroad at very high level
 - U.S.A., Germany, U.K., Emirates, ...
 - ESTELA – EU (Commissioner of Energy)

THE AGREEMENT

(Friday, July the 2nd 21:00 h)



We are still working on
the text of the new R.D.

THE TERMS OF THE AGREEMENT:

- The plants will be obliged to choose the fixed tariff option during one year from the publication date of the R.D. or during their first year of operation
- The plants will be connected to the grid according to a new schedule which have been agreed upon with all of them
- A cap on operating hours will be established taking into account the typology of the the plants. If he plants operate longer time they will receive the pool price per kWh
- Changes on ownership will be subject for specific approval
- ✓ Article 44.3 of the R.D. 661/2007 will be modified to avoid any further revision of the tariffs and premium, apart from the automatic adaptation regarding the IPC.
- ✓ Furthermore, the plans will receive and individual notification on the terms and conditions for their whole operational life
- ✓ The plants can be connected to the grid 9 months prior to their final acceptance. They will get pay at the pool price during this period
- ✓ The bank guaranties can be retired without penalty for those projects that will not be constructed

WHAT IS NEXT?

- ❑ The agreement applies to the registered plants only
- ❑ A new R.D. must be negotiated to cover the STE deployment until 2020. Criteria on technological priorities must be established

PANER:
National Action Plan in R.E.
Send to EU in June the 30th

The new Renewable Energy Plan (PER) 2010-20 will be published by the end of the year.
We will do our best to increasing the share of STE

