Royal Decree 1578/2008, dated 26th September, on the payment for the electric production activity from solar photovoltaic technology

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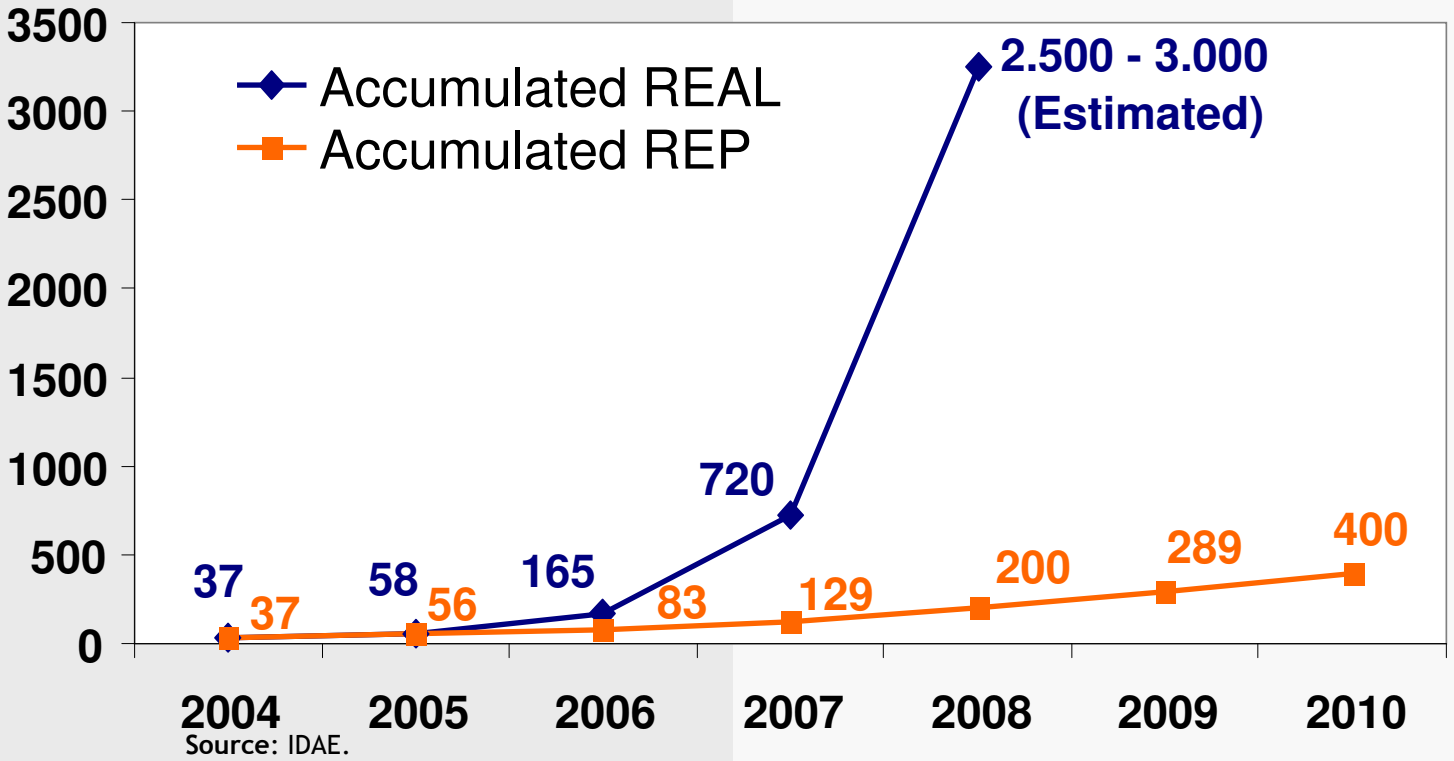
RD 661/2007 FEED-IN TARIFFS AND PREMIUMS

	Two options to selling power:			Option a)	Option b) Free sale on the organized		
				Fixed price = Regulated tariff c€/kWh	Reference premium c€/kWh	Maximum limit c€/kWh	Minimum limit c€/kWh
b.2 Wind	b.2.1 Onshore		First 20 years	7,3228	2,9291	8,4944	7,1275
			Afterwards	6,1200			
b.1 Solar	b.1.1 Photovoltaic	Q≤100 kW	First 25 years	44,0381			
			Afterwards	35,2305			
		100 kW<Q≤10 MW	First 25 years	41,7500			
			Afterwards	33,4000			
		10<Q≤50 MW	First 25 years	22,9375			
			Afterwards	18,3811			
	b.1.1 Thermoelectric		First 25 years	26,9375	25,4000	34,3976	25,4038
			Afterwards	21,5498	20,3200		

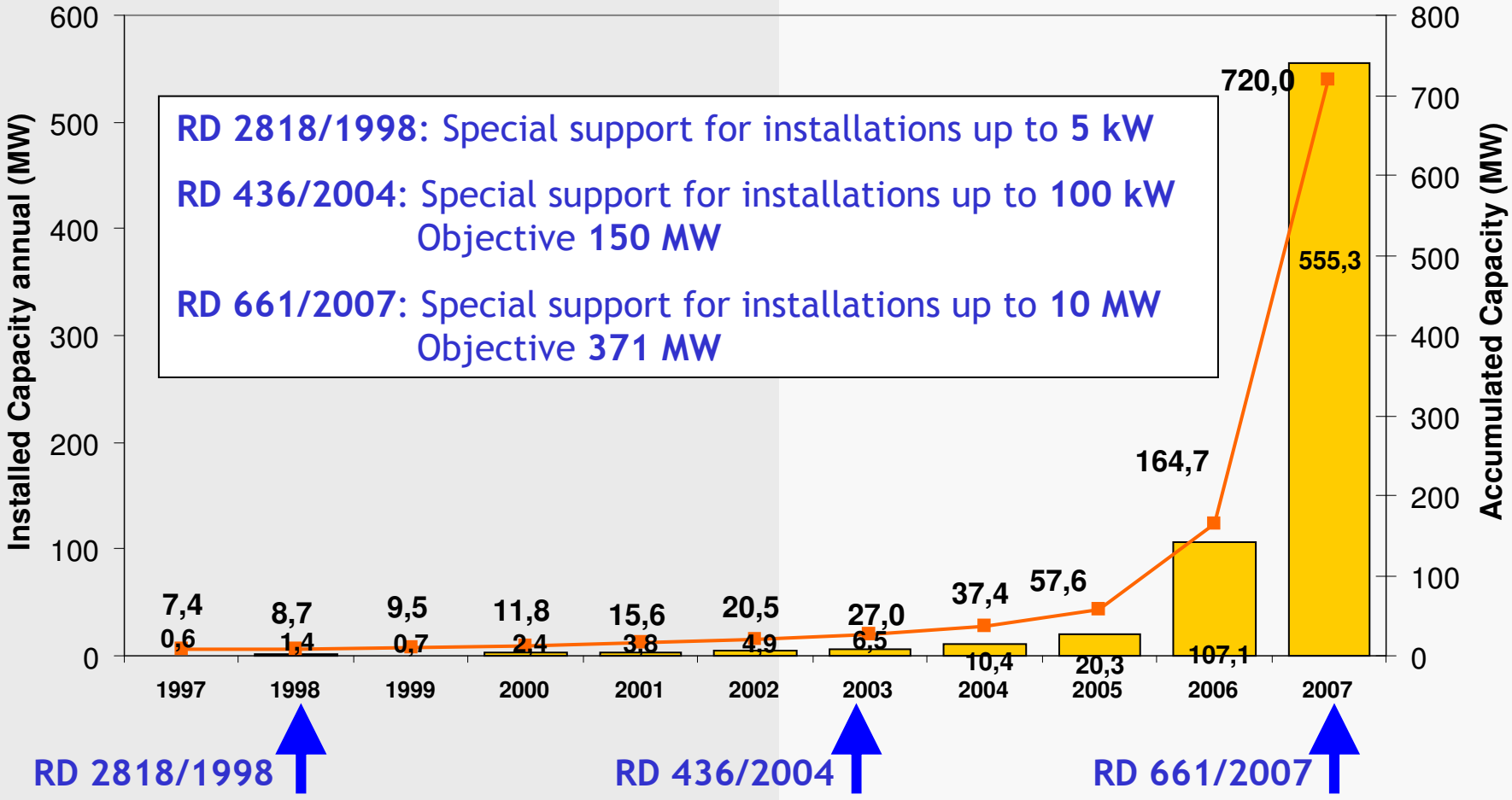
PLANIFICATION REP vs. REAL



Source: IDAE.

The goal for the PV sector defined in the REP 2005-2010 has been reached in 2007 with 3 years of anticipation.

REGULATION VS INSTALLED CAPACITY



RD 1578/2008 MAIN ASPECTS

- Two groups: **in buildings & in land.**
- **Unique tariff for in land**, no capacity steps for the in land installations.
- **Higher support to architectural integration**:
  - Higher quota & higher tariff.
- **Pre-assignment of remuneration is established.**
- **Decreasing tariffs, for new facilities**.
- **Increasing quotas**, as tariffs decrease.
- 500 MW every year, **with increases of 10 % per year**.
- More than **4.000 MW** accumulated is **foreseen in 2010.**

RD 1578/2008 CATEGORIES

	TYPOLOGY OF FACILITIES
TYPE I	**ROOFS** OR **WALLS:** **USES:** RESIDENTIAL, SERVICES, COMMERCIAL, INDUSTRIAL, AGRICULTURAL (FARMING). **PARKING** (FOR THESE USES).
TYPE II	**REST**, NOT INCLUDED IN TYPE I.

		CAPACITY
TYPE	I.1	**P ≤ 20 kW**
	I.2	**20 kW ≤ P ≤ 2 MW**
	II	**P ≤ 10 MW**

RD 1578/2008 PRE-ASSIGNMENT

	2009		2010 & AFTER	
	REQUEST	RESULT	REQUEST	RESULT
1 C	15 OCT - 15 NOV	15 - JAN	AUG, SEP, OCT	DEC
2 C	16 NOV – JAN	MAR	NOV, DEC, ENE	MAR
3 C	FEB, MAR, APR	JUN	FEB, MAR, ABR	JUN
4 C	MAY, JUN, JUL	SEP	MAY, JUN, JUL	SEP

Inscription by the last date of:

- **Administrative authorization.**
- Access and connection authorization.
- **License for civil works.**
- **Bank guarantee.**

RD 1578/2008 PRE-ASSIGNMENT

MINISTERIO DE INDUSTRIA, TURISMO Y COMERCIO

Formulario de solicitud de inscripción en el registro de preasignación de retribución de instalaciones de generación de energía eléctrica mediante tecnología solar fotovoltaica según Real Decreto 1578/2008 de 26 de septiembre.

Nº de registro electrónico	Fecha de entrada en registro:

Datos relativos a la solicitud

Tipo de comunicación:
Solicitud de inscripción en el registro de preasignación de energía solar fotovoltaica

Área:	Órgano administrativo destinatario:
Energía	Dirección General de Política Energética y Minas / S.G. de Energía Eléctrica

Datos del titular

Nombre:	Apellido 1º:	Apellido 2º:	N.I.F. / N.I.E.:
nombre del titular	Apellido 1 del titular	Apellido 2 del titular	Nif del titular

Domicilio Social:	Nacionalidad:
Dirección del titular	Nacionalidad titular

Provincia:	Municipio:	Código Postal:
Jaen	Municipio del titular	54321

Datos a efectos de comunicaciones

Dirección:
Dirección de comunicación

Provincia:	Municipio:	Código Postal:
Asturias	Municipio de comunicación	43456

Correo electrónico:	Teléfono:	Fax:
titular@mail.com	3334443903	9438209

RD 1578/2008 QUOTAS & TARIFFS

		BASE (MW)		EXTRA (MW)		TOTAL (MW)	
		2009	2010	2009	2010	2009	2010
TYPE	I.1	26,70	29,37			26,70	29,37
	I.2	240,30	264,33			240,30	264,33
	II	133,00	146,30	100,0	60,0	233,00	206,30
TOTAL		400	440	100	60	500	500

		QUOTA 1C (MW)	TARIFF (c€/kWh)
TYPE	I.1	6,675	34
	I.2	60,075	32
	II	58,25	32
TOTAL		125	

QUOTA 2011	QUOTA 2012
32,31	35,54
290,76	319,84
160,93	177,02
484	532

RD 1578/2008 TRANSFER OF QUOTA BETWEEN CALLS

1. When in a call the allowed capacity, of any of the types, is not covered, the remaining capacity will be transfer as additional capacity to base capacity of the other type in the following call.

2. When in a call the allowed capacity, of both of the types, is not covered, the remaining capacity will be transfer as additional capacity to base capacity of the same type in the following call.

3. In both cases foreseen in the previous paragraphs 1 and 2, the additional capacity transferred to the type I, will be distributed in each of two subtypes proportionally to the percentage of the capacity of each one of the subtypes.

RD 1578/2008 EVOLUTION OF THE TARIFFS

- If 75 % of the quota is covered, the TARIFF DECREASES:

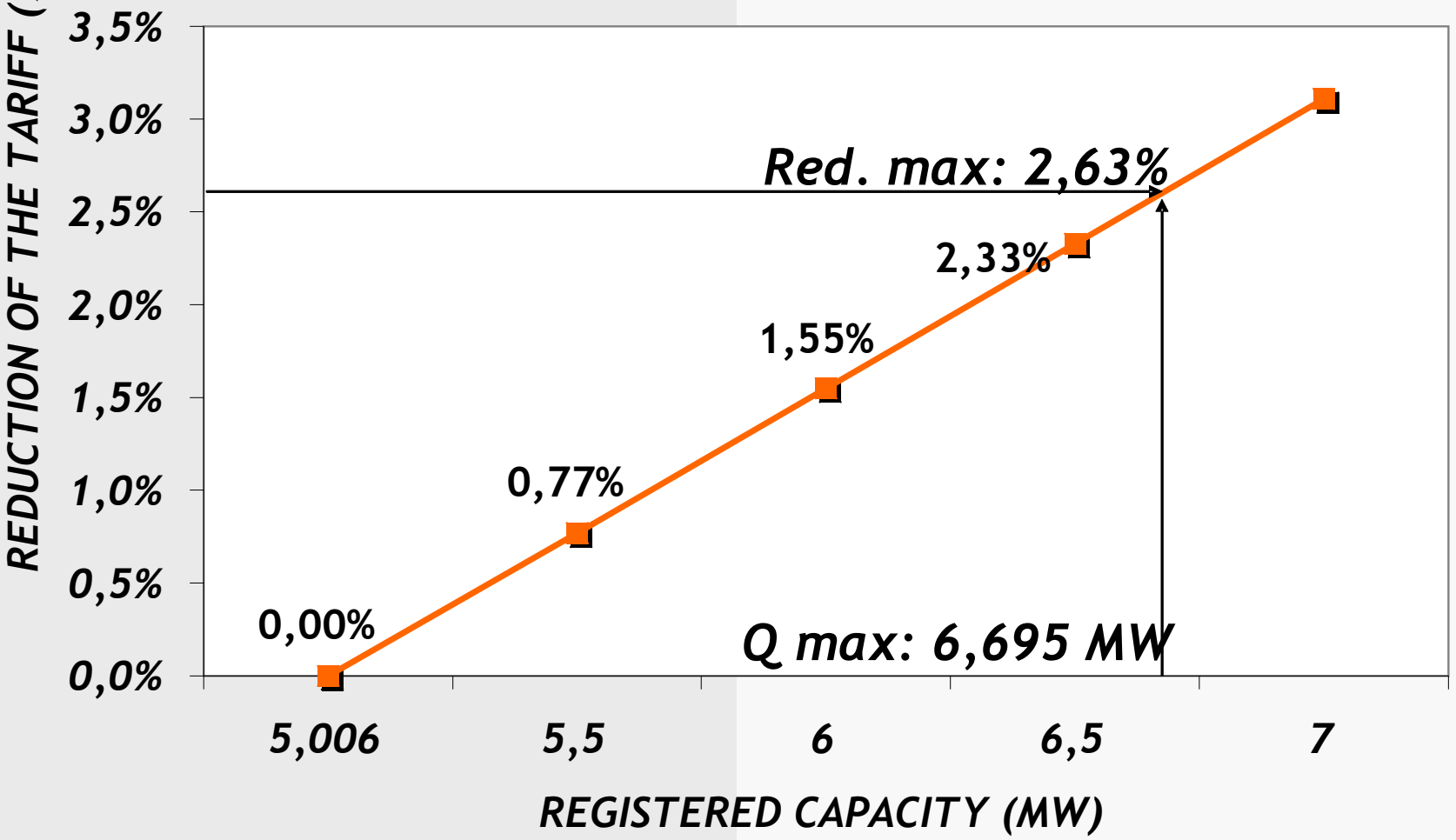
$$T_n = T_{n-1} \left[0{,}974 + 0{,}026 \times (Q_0 - Q) / (0{,}25 \times Q_0) \right]$$

- If 75 % of the quota is not covered, the TARIFF IS KEPT.

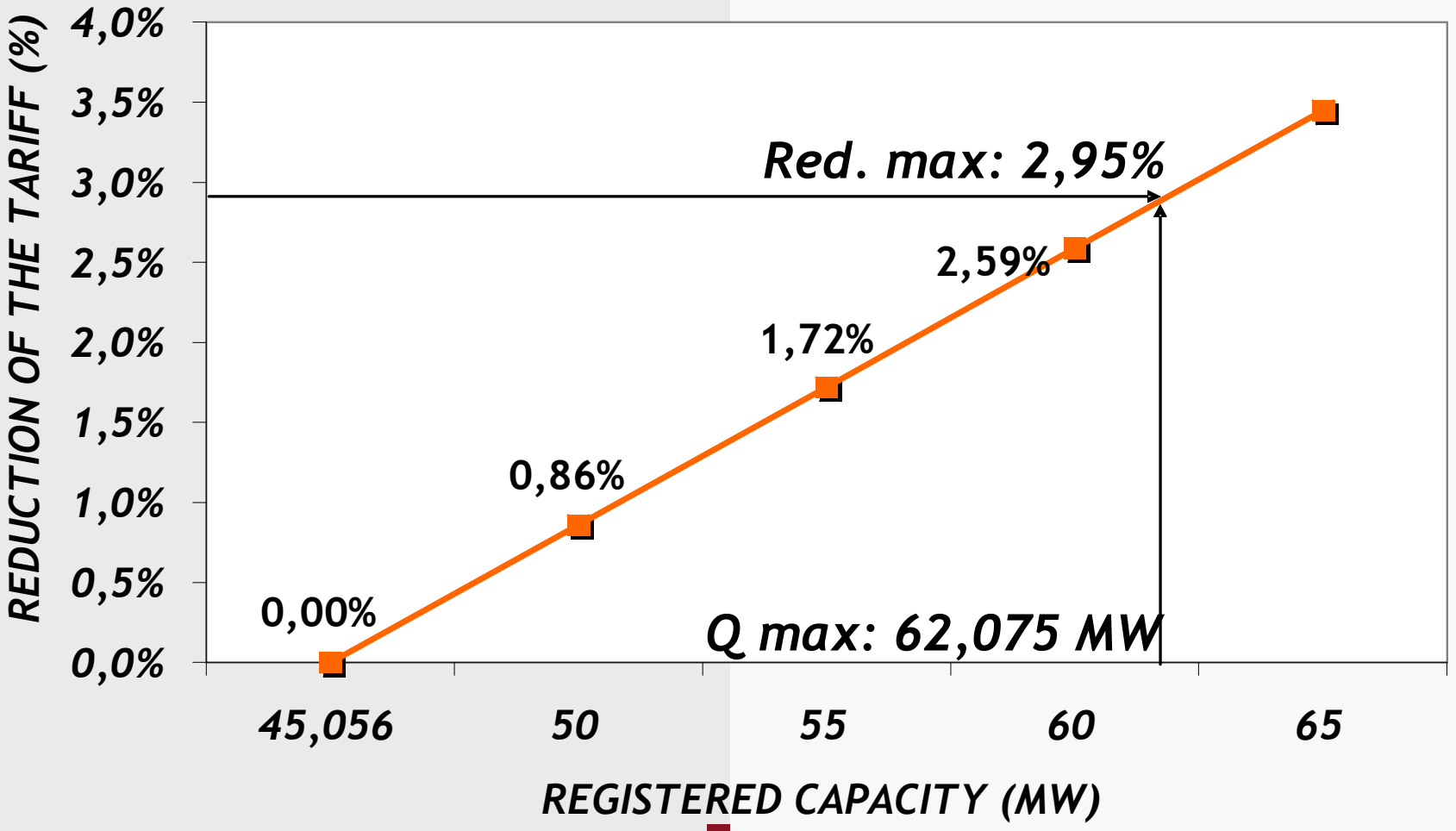
Q_0 = Quota of power for the call n-1, without including transfers of capacity

Q = Quota really registered in the pre-assignment register in the call n-1.

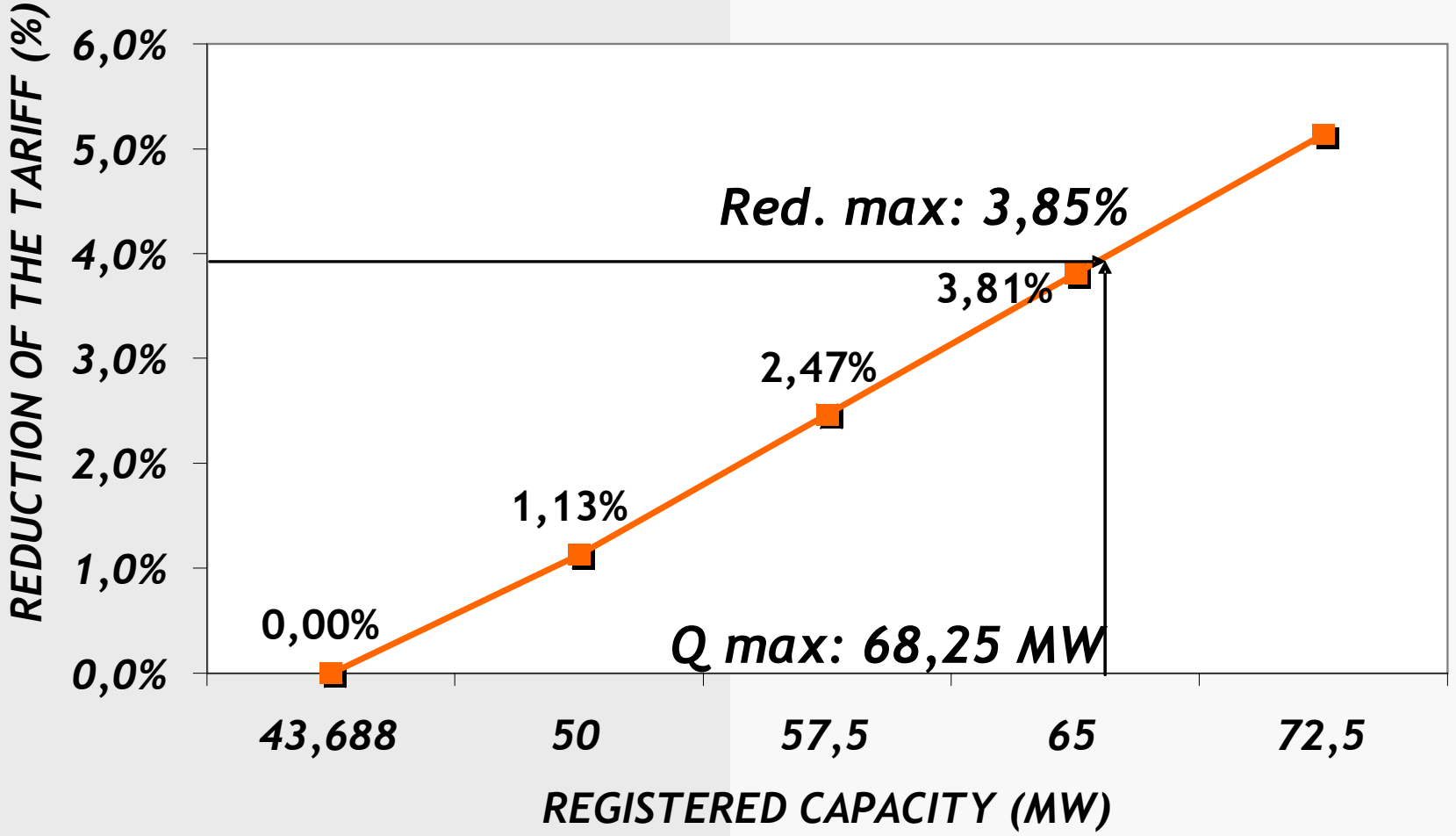
RD 1578/2008 EVOLUTION OF THE TARIFFS. TYPE 1.1



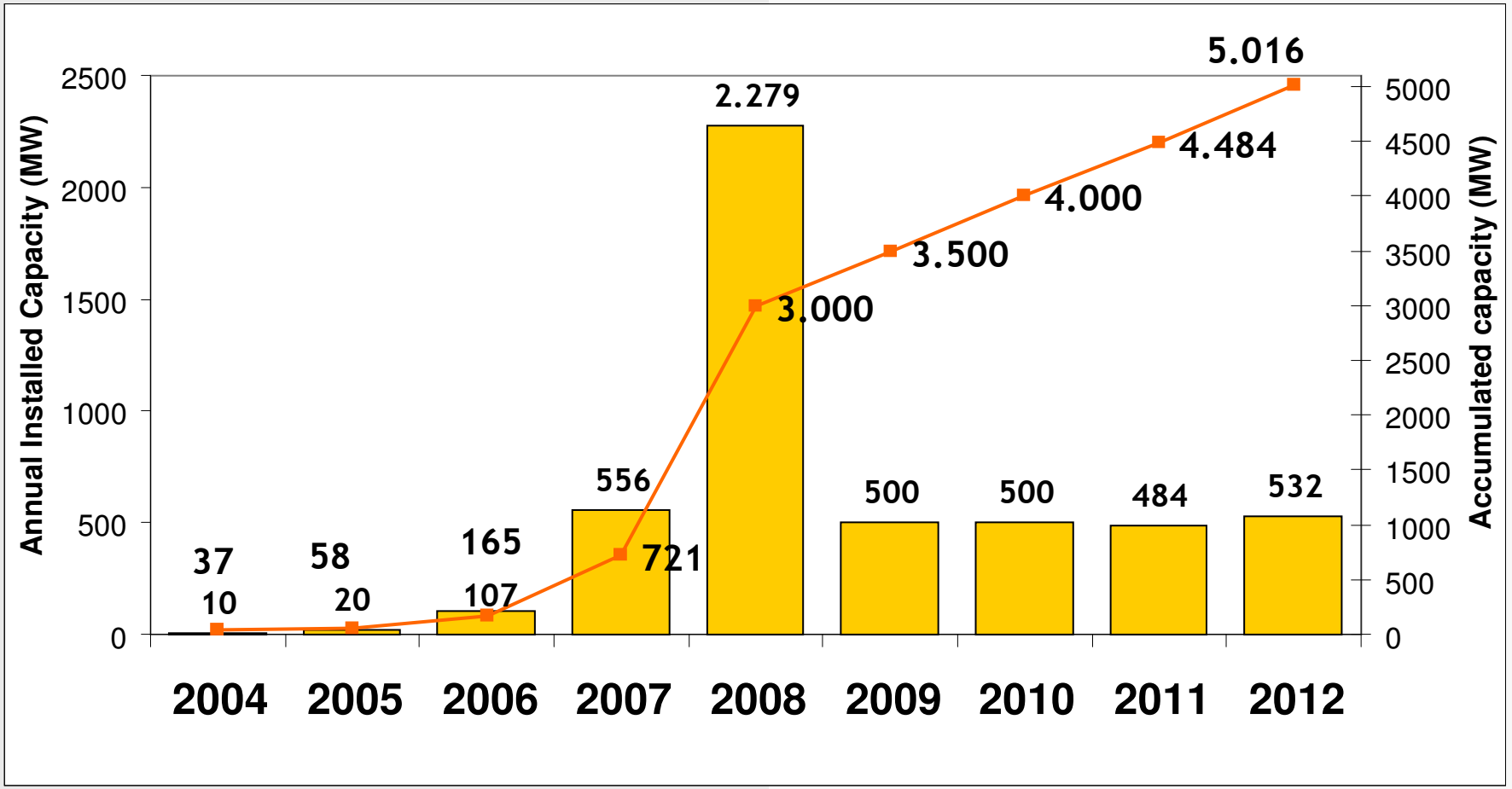
RD 1578/2008 EVOLUTION OF THE TARIFFS. TYPE 1.2



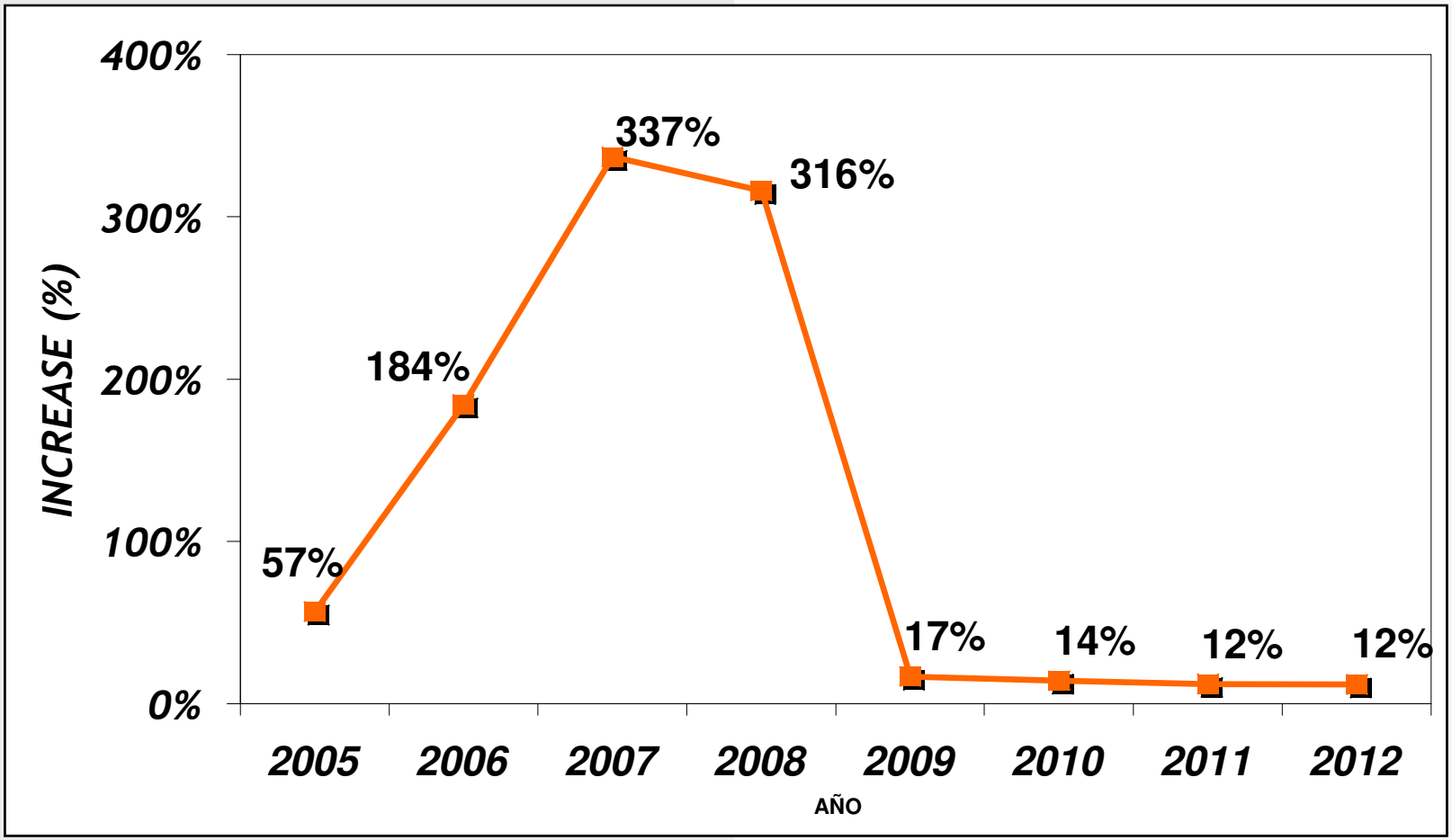
RD 1578/2008 EVOLUTION OF THE TARIFFS. TYPE 2



EVOLUTION OF THE INSTALLED CAPACITY



INCREASE OF THE ACCUMULATED CAPACITY



RD 1578/2008 SUMMARY

The need to redesign the PV feed-in tariffs is based in:

- To optimize the FIT to guarantee a **profitability more adapted for a regulated activity.**
- To give a **longer term perspective**.
- To **better control the cost** of the FIT.
- To design a tariff systems that **internalizes the reduction cost** due to technological development
- To **encourage the decrease of the cost of the installations**, increasing competitiveness in the sector.
- To **encourage the installation on roof** to profit from distributed generation.

Thank you for your attention

www.idae.es

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