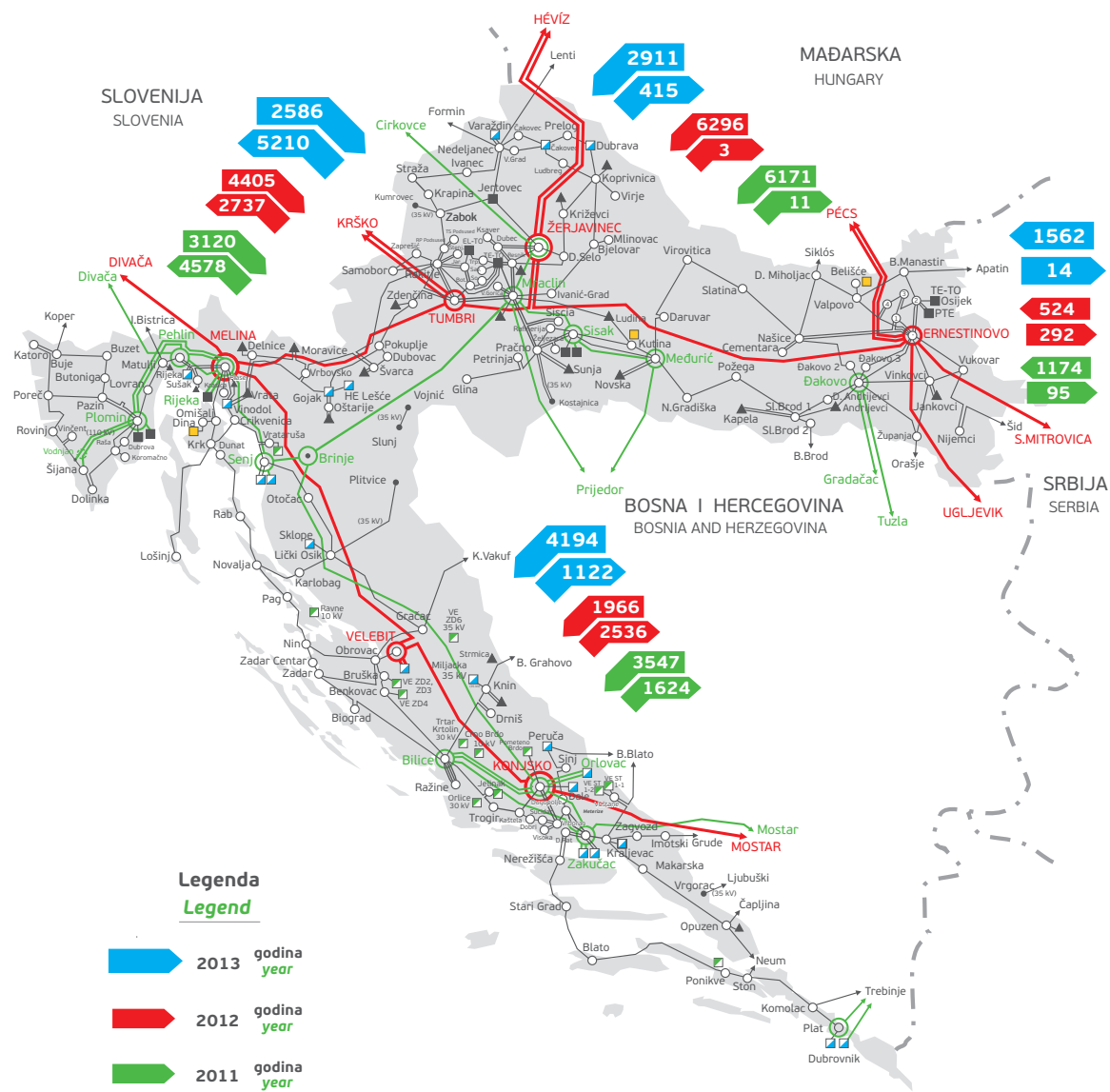


Shema hrvatskog elektroenergetskog sustava s razmjenom električne energije po granicama (GWh)

Croatian Electricity System Scheme with Electricity Exchange by Borders (GWh)



Legenda Legend

- ▶ 2013 godina year
- ▶ 2012 godina year
- ▶ 2011 godina year

- | Trafostanice
Substations | Elektrane
Power Plants | Dalekovodi
Transmission Lines |
|---|--|---|
| <ul style="list-style-type: none"> ⊙ 400 / 220 / 110 kV ⊙ 400 / 110 kV ⊙ 220 / 110 kV ⊙ 220 / 35 kV ○ 110 / x kV ● 35 / x kV ▲ Elektrovučna podstanica
Railway Traction Substation | <ul style="list-style-type: none"> ■ Termoelektrana
(prikjučena na prijenosnu mrežu)
Thermal Power Plant
(connected to the transmission network) ■ Hidroelektrana
(priključena na prijenosnu mrežu)
Hydro Power Plant
(connected to the transmission network) ■ Industrijska elektrana
(priključena na prijenosnu mrežu)
Industrial Power Plant
(connected to the transmission network) ■ Vjetroelektrana
Wind Power Plant | <ul style="list-style-type: none"> — 400 kV — 220 kV — 110 kV - - - Izvan pogona
Out of operation |

Stanje podataka 31.12.2013.
Data status 31/12/2013

Ukupna prekogranična razmjena (GWh)

Total Cross-Border Exchange (GWh)

Godina Year	Ulaz u Hrvatsku (uključujući 50% NE Krško) To Croatia (including 50% NPP Krško)	Izlaz iz Hrvatske From Croatia	Razlika razmjene Exchange balance
2011	14012	6308	7704
2012	13191	5568	7623
2013	11254	6762	4492

Dalekovodi u pogonu

Hrvatskog operatora prijenosnog sustava d.o.o.*

Transmission Lines of Croatian Transmission System Operator Ltd. in Operation

Napon Voltage Level	Duljina (km) Circuit Length (km)
400 kV	1247
220 kV	1210
110 kV	4912
Srednji napon Medium Voltage	144
Ukupno Total	7513

Trafostanice

Hrvatskog operatora prijenosnog sustava d.o.o.*

Substations of Croatian Transmission System Operator Ltd.

Napon Voltage Level	Broj Number	MVA
400/x kV	6	4400
220/x kV	13	3070
110/x kV	144	8759
Ukupno Total	163	16229

* Stanje podataka 31.12.2013.

* Data status 31/12/2013

Maksimalno i minimalno opterećenje sustava (MW)

Maximum and Minimum System Load (MW)

Godina Year	Maksimum Maximum	Datum i vrijeme Date and Time	Minimum Minimum	Datum i vrijeme Date and Time
2011	2970	25.01 19:00	1185	25.04 04:00
2012	3193	06.02 19:00	1132	27.05 06:00
2013	2813	11.02 20:00	1105	31.03 04:00

Ukupna prenesena energija prijenosnom mrežom

Amount of electricity transferred across the transmission network

Godina Year	GWh
2011	23642
2012	22590
2013	23771

Gubici u prijenosnoj mreži

Transmission Network Losses

Godina Year	GWh	%
2011	514	2,17
2012	462	2,04
2013	483	2,06

Gubici(%) = $100 \times \text{Gubici} / \text{Ukupna prenesena energija}$

Losses(%) = $100 \times \text{Losses} / \text{Amount of electricity transferred across the transmission network}$

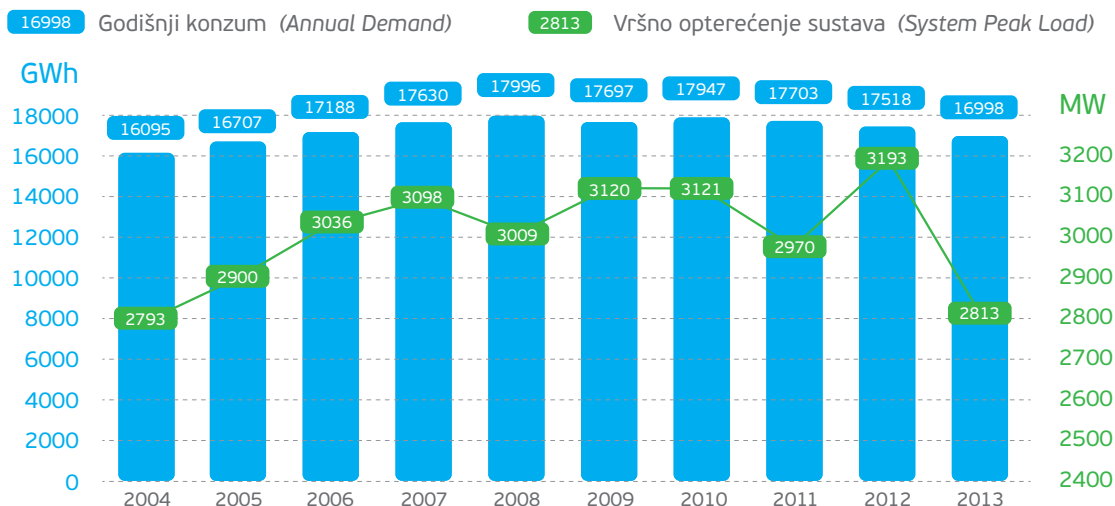
Isporuka kupcima izravno priključenim na prijenosnu mrežu

Delivery to the Customers Directly Connected to the Transmission Network

Godina Year	GWh
2011	751
2012	600
2013	674

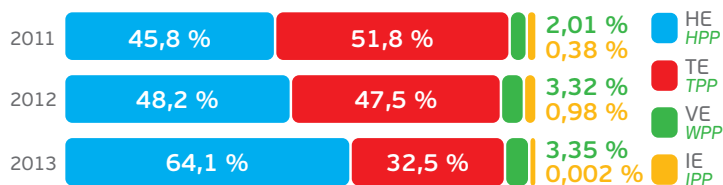
Godišnji konzum (GWh) i vršno opterećenje sustava (MW)

Annual Demand (GWh) and System Peak Load (MW)



Proizvodnja električne energije u Hrvatskoj (GWh)**

Electricity production in Croatia (GWh)**



** Preuzeto u prijenosnu i distribucijsku mrežu
** Delivered to the Transmission and Distribution Network

Proizvodni kapaciteti u Hrvatskoj (MW)*

Production Capacity in Croatia (MW)

Elektrane Power Plants				Ukupno Total
Hydro	Thermal	Wind	Industrial	
2194	1670	254	212	4330

* Stanje podataka 31.12.2013.
* Data status 31/12/2013

