

Preliminarni temeljni podaci*
Basic Preliminary Data**

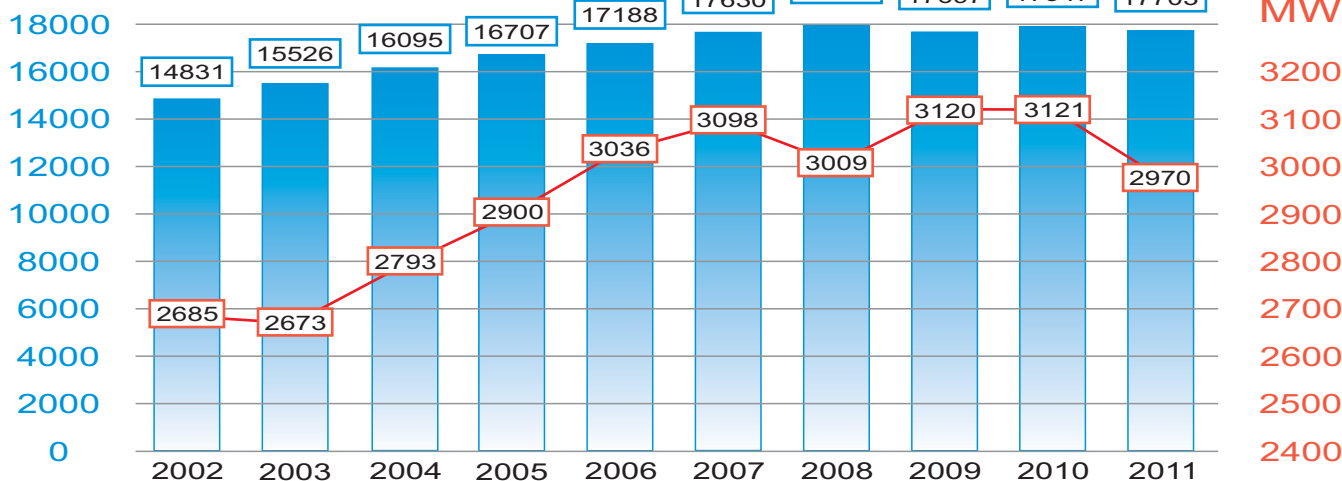
2011

Godišnji konzum (GWh) i
vršno opterećenje sustava (MW)Annual Demand (GWh) and
System Peak Load (MW)

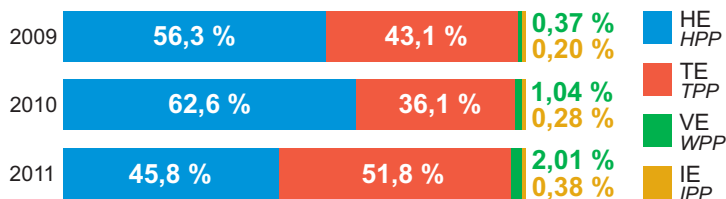
17703 Godišnji konzum (Annual Demand)

2970 Vršno opterećenje sustava (System Peak Load)

GWh

Proizvodnja električne energije u Hrvatskoj (GWh)***
Electricity Production in Croatia (GWh)****

Godina Year	Elektrane Power Plants				Ukupno Total
	Hidro Hydro	Termo Thermal	Vjetro Wind	Industrijske Industrial	
2009	6767	5178	45	25	12015
2010	8309	4787	138	38	13272
2011	4581	5179	201	38	9999

*** Preuzeto u prijenosnu i distribucijsku mrežu
**** Delivered to the Transmission and Distribution NetworkMaksimalno 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
2009	3120	21.12. 18:00	1151	13.04. 05:00
2010	3121	16.12. 18:00	1113	23.05. 06:00
2011	2970	25.01. 19:00	1185	25.04. 04:00

Ukupna prenesena energija
prijenosnom mrežomAmount of electricity
transferred across the
transmission network

Godina Year	GWh
2009	23447
2010	25114
2011	23642

Gubici u
prijenosnoj mrežiTransmission Network
LossesGubici(%)=100xGubici/Ukupna prenesena energija
Losses(%)=100xLosses/Amount of electricity transferred
across the transmission network

Godina Year	GWh	%
2009	511	2,18
2010	598	2,38
2011	514	2,17

Proizvodni kapaciteti u Hrvatskoj (MW)
Production Capacity in Croatia (MW)

Elektrane Power Plants				Ukupno Total
Hidro Hydro	Termo Thermal	Vjetro Wind	Industrijske Industrial	
2112	1811	133	212	4268

Isporuca kupcima izravno
priklučenima na
prijenosnu mrežuDelivery to the Customers
Directly Connected to the
Transmission Network

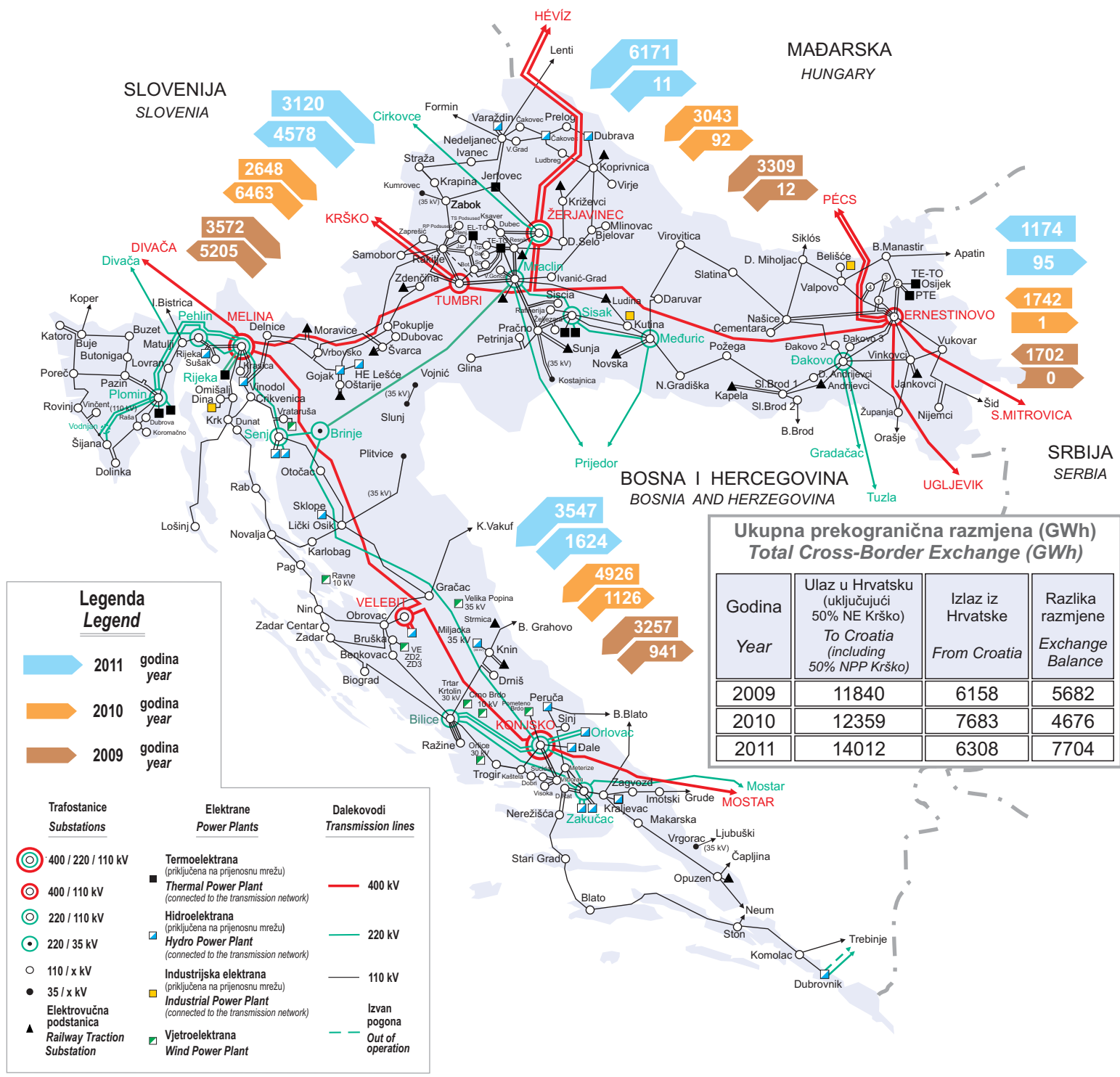
Godina Year	GWh
2009	814
2010	852
2011	751

* Podaci iz ovog materijala mogu se koristiti samo u integralnom obliku i uz navođenje izvora podataka.

HEP-Operator prijenosnog sustava d.o.o. zadržava pravo promjene podataka bez prethodne najave, te neće biti odgovoran za moguće posljedice proizašle iz takvih promjena.

** Data in the presented material can be used only in integral form and with referring to the data source.

HEP-Transmission System Operator LLC shall reserve the right to change data without prior notice, and shall not be liable in any way for possible consequences of such changes.



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
2009	11840	6158	5682
2010	12359	7683	4676
2011	14012	6308	7704

Legenda
Legend

- ▶ 2011 godina year
- ▶ 2010 godina year
- ▶ 2009 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 |

Napon Voltage Level	Duljina (km) Circuit Length (km)
400 kV	1247
220 kV	1210
110 kV	4782
Srednji napon Medium Voltage	198
Ukupno Total	7437

Dalekovodi u pogonu u nadležnosti HEP-Operatora prijenosnog sustava d.o.o.
Transmission Lines in Operation under the Competence of HEP-Transmission System Operator LLC

Trafostanice u nadležnosti HEP-Operatora prijenosnog sustava d.o.o.
Substations under the Competence of HEP-Transmission System Operator LLC

Napon Voltage Level	Broj Number	MVA
400/x kV	5	4100
220/x kV	6	2120
110/x kV	118	4900
Ukupno Total	129	11120

Značajnija prijenosna postrojenja stavljena u pogon 2011.:

- Nova trafostanica 110/20 kV Bruška
- Nova trafostanica 110/10(20) kV Zagvozd
- Novi dalekovod 110 kV Rakitje - Samobor

Main transmission facilities commissioned during the year 2011:

- New substation 110/20 kV Bruška
- New substation 110/10(20) kV Zagvozd
- New transmission line 110 kV Rakitje - Samobor