# Tariff Design and Restructuring Process

Ivona Štritof
Commissioner
Croatian Energy Regulatory Council

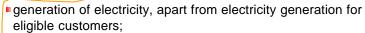
Partnership Program - CERC & PSC, March 29 - April 2, USA

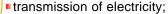
1/20

#### LEGAL FRAMEWORK Energy Law (Article 28) • Tariff systems shall be passed by the Croatian Government upon the proposal by energy undertakings on whose services the tariffs will be applied, based upon the opinion obtained from the Law on regulation of Ministry and CERC. energy activities · CERC shall monitor application of tariff systems. Article 1 Law on electricity market (Article 12) CERC has been CERC shall set electricity transmission fees and established as distribution fees upon the proposal of the energy undertaking carrying out transmission or distribution independent legal entity of electricity respectively. for carry out, among others, activities related to regulation of energy Law on oil and oil derivatives market prices to be set on the (Article 4) basis of tariff systems Tariffs for transportation of oil via oil pipelines and transportation of oil derivates via product lines shall be passed by CERC on the proposal of the energy undertaking. Partnership Program - CERC & PSC, March 29 - April 2, USA

#### REGULATED PRICES

▶ Law on energy (Art 26) defines 12 energy activities (out of 22) for which prices are set by TS:





distribution of electricity;

(ELECTRICITY

HEAT

- retail supply of electricity, apart from retail supply of electricity for eligible customers;
- operation and control of electricity system,
- organization of electricity market;
- supply of gas, apart from supply for eligible customers;
- gas distribution;
- gas transportation;
- heat generation, apart from heat generation for eligible customers,
- heat distribution,
- heat supply, apart from heat supply for eligible customers.

Partnership Program - CERC & PSC, March 29 - April 2, USA

3/20

#### **EU DIRECTIVES**

- Directive 2003/54/EC concerning common rules for the internal market in electricity (Art 23)
- Directive 2003/55/EC concerning common rules for the internal market in **natural gas** (Art 25)

The **regulatory authorities** shall be responsible for fixing or approving, prior to their entry into force, **at least the methodologies** used to calculate or establish the terms and conditions for:

 a) Connection and access to national networks, including transmission and distribution tariffs. These tariffs, or methodologies, shall allow the necessary investments in the networks to be carried out in a manner allowing these investments to ensure the viability of the networks

b) The provision of balancing services

Partnership Program - CERC & PSC, March 29 - April 2, USA





#### **ELECTRICITY MARKET**

- **◆ Energy Law** (Article 28)
  - Tariff systems shall be passed by the Croatian Government upon the proposal by energy undertakings on whose services the tariffs will be applied, based upon the opinion obtained from the Ministry and CERC.
  - CERC shall monitor application of tariff systems



Tariff system for electro-energy activities which are carried out as PSO (2002)

- **▶ Law on electricity market** (Article 12)
  - CERC shall set electricity transmission fees and distribution fees upon the proposal of the energy undertaking carrying out transmission or distribution of electricity respectively.



Transmission & distribution fee (2003)

Partnership Program - CERC & PSC, March 29 - April 2, USA

5/20

# **ACTIVITIES IN ELECTRICITY SECTOR**

# Public service obligations

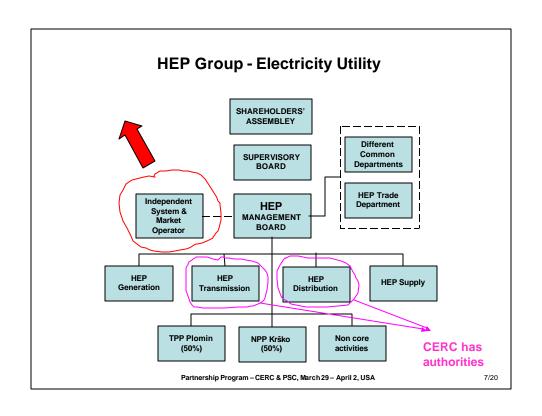
- Electricity generation for tariff customers CERC
- Electricity transmission
- Electricity distribution
- Supply of the electricity to tariff customers
- Organisation of elelctricity market
- Operation of the electricity system

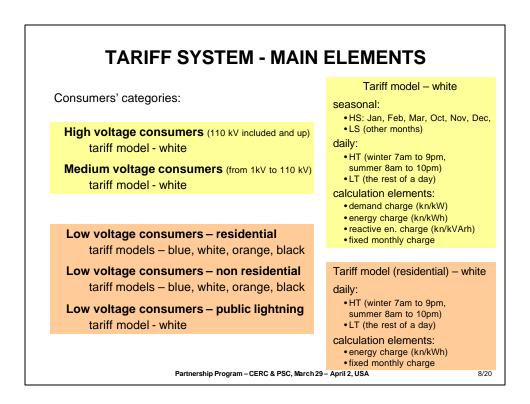
#### Market-based activities

- Generation for eleigible customers
- Retail supply of electricity for eligible custmers

Government

Partnership Program - CERC & PSC, March 29 - April 2, USA





#### TRANSMISSION AND DISTRIBUTION FEE

- Precondition for setting fees: 3-year period plans for development and construction of T & D networks prepared by energy undertakings, and approved by CERC
  - Methodology and criteria for approving network development plans (in preparation)
- CERC according to its Charter passed "Rulebook on methods and criteria for defining transmission and distribution fees"
  - No clear methodology defined
  - 'Cost plus' methodology (still discussions on asset base, RoR...)
    - → Precondition clear unbundling (generation, transmission, distribution, supply)
- Valid fees are set based on valid all inclusive Tariff system and development plans upon which tariff system was set

Partnership Program - CERC & PSC, March 29 - April 2, USA

9/20

# RULEBOOK ON METHODS AND CRITERIA FOR DEFINING TRANSMISSION AND DISTRIBUTION FEE – SOME ELEMENTS

#### Possible fees' structure

- Customer charge
- Capacity charge
- Energy charge

Proposal of the fees to be submitted to CERC

■1st Oct each year

#### Using of network fee components

- Transmission fee
- Distribution fee
- Ancillary services' fee
- Part for covering technical losses
- Additional fees:
  - CERC charge
  - ISMO charge
  - Stranded costs' charge
  - Incentive for eligable producers, etc.

Partnership Program – CERC & PSC, March 29 – April 2, USA

#### CONCLUSIONS – ELECTRICITY SECTOR

- Revision of the energy laws and harmonization with new EU Directives
- Clear definition of CERC authorities regarding tariff settings/approving of methodologies
  - Relationship: license' holders government regulator
- Complete restructuring of the utility in line with the law
  - legal unbundling/ unbundling of the assets, liabilities etc.
- Definition and application of one of the methodologies for setting transmission and distribution fee
  - Cost plus methodology is most likely to be applied

Partnership Program - CERC & PSC, March 29 - April 2, USA

11/20

### **GAS MARKET**

- **◆ Energy Law** (Article 28)
  - Tariff systems shall be passed by the Croatian Government upon the proposal by energy undertakings on whose services the tariffs will be applied, based upon the opinion obtained from the Ministry and CERC.
  - CERC shall monitor application of tariff systems

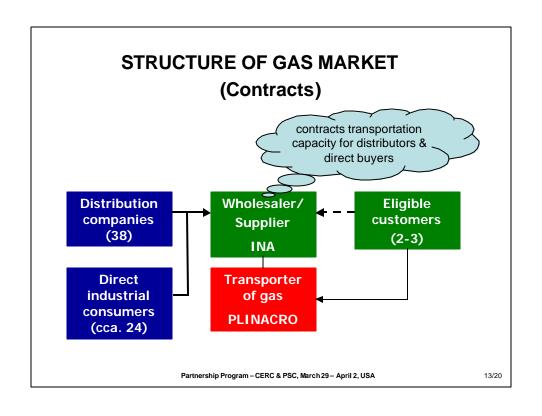


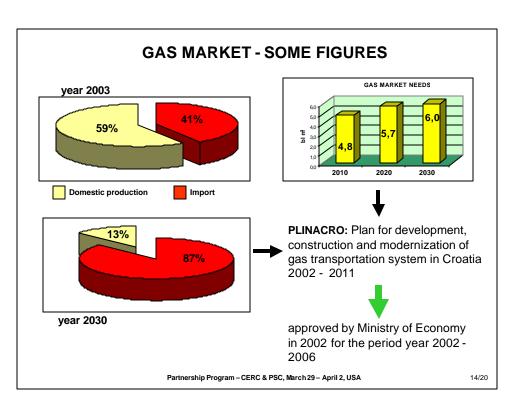
Tariff system for transport of gas for suppliers and eligible customers (2002)

Tariff system for supply of gas for tariff customers (2002)

Tariff system for distribution of gas

 ${\bf Partnership\ Program-CERC\ \&\ PSC,\ March\ 29-April\ 2,\ USA}$ 





#### TS FOR SUPPLY OF GAS

#### Main points:

- For tariff buyers: distributors & direct buyers;
- Price is based on:
  - Pondered value (in US\$) of imported gas & domestic gas and
  - Supplier's profit;
- Price can be changed quarterly;
- ▶ Price can be changed if the difference in value of old price and newly calculated price is bigger than stated in TS (0,02 kn/m³);
- Role of CERC:
  - Price cannot be applied if CERC establishes that it is not calculated according to the provisions of TS,
  - Checks calculation/defines price each quarter.

CERC



Partnership Program - CERC & PSC, March 29 - April 2, USA

15/20

#### TS FOR TRANSPORT OF GAS

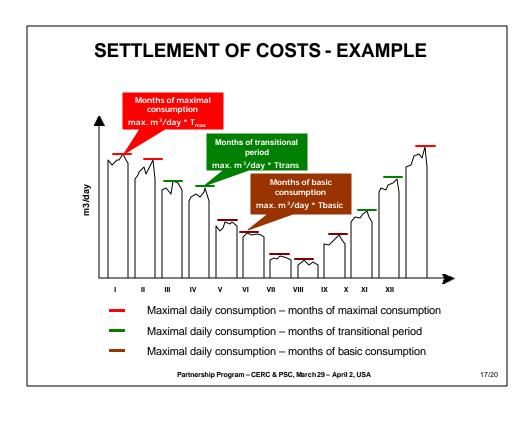
#### **Aims**

- Clear signals to the consumers (each consumer should cover costs it causes in the transport system)
- Ensuring resources for secure operation and further development of transport system according to the Development strategy of the transport system until 2011

#### Main characteristics

- Total annual costs (investments, operating costs, depreciation) are covered through capacity demand,
- Settlement of capacity engaged each month (max. m³/day)
- Three periods throughout a year → three different tariffs [kn/(max. m³/day)] according to the load level
- Tariffs are equal for the same consumer types

 ${\bf Partnership\ Program-CERC\ \&\ PSC,\ March\ 29-April\ 2,\ USA}$ 



# TS FOR DISTRIBUTION OF GAS

- → Law on local community economies
  - Distribution of gas communal activity
  - Local governments set prices for distribution of gas
- Energy law
  - Provisions on tariff system for distribution of gas have not being put into practice

Partnership Program - CERC & PSC, March 29 - April 2, USA

## **CONCLUSIONS – GAS SECTOR**

- In some respects more advanced regarding restructuring than electricity sector
- Necessity to pass Tariff system for distribution of gas
  - Question is how many of them
- Revision of Tariff system for supply of gas
- Clearer definition of CERC authorities regarding Tariff system for transport of gas
  - Provision of EU Directive on internal market of gas
  - Preparation of guidelines

Partnership Program - CERC & PSC, March 29 - April 2, USA

19/20

# Thank you for you attention

Ivona Štritof
Commissioner
Croatian Energy Regulatory council
E-mail: istritof@vred.hr

Partnership Program – CERC & PSC, March 29 – April 2, USA