

Instituto Nicaragüense de Energía

Rate Regulation in Nicaragua

Lic. Miguel Alemán Economic Advisor

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RATE SCHEDULE JULY 2008

NEW JULY 2008 SCHEDULE

Distributor Value Added (DVA) Review
High Voltage Mean Transportation Cost (MTC) Review
Market structure change in 2007

DISTRIBUTOR VALUE ADDED (DVA)

- The New Replacement Value (NRV) approved in July 2007 included deductions for Government and Third-Party investments in the 2001-2003 period in the amount of US\$12.5 million. As of July 2008, additional US\$10.5 million (already adjusted by INE to Dec 2003 prices) are deducted, accounting for Government and Third-Party investments in the 2004-2005 period.
- Thus, replacements amounting to total value of these investments are subtracted from the July 2008 DVA.
 The June 2008 DVA value of US\$48.02162 /MWh is thus reduced to US\$47.23768/MWh.

Mean Transportation Cost (MTC)

For the Schedule to be approved there will be no variations in Mean Transportation Cost

The Mean Transportation Cost approved in July 2007 is US\$5.15774/MWh

Distribution Value Added and Mean Transportation Cost

CONCEPTOS	Dic2003 *	Junio 08	Julio 08	
IPM	144.5	167.4	167.4	
FEn =	184.3	208.49	208.49	
		0.003	0.003	
IACTn = 0.67xIPM _n /IPM ₀ +0.33xIPC _n /IPC ₀		1.14649355	1.14649355	
VAD TOTAL US\$ MWH	41.20188	48.02162	47.23768	
VAD DISTRIBUCIÓN US\$/MWH	30.61002	35.78177	35.09419	
VAD AP US\$/MWH	4.57047	5.33637	5.24002	
VAD COMERCIALIZACIÓN US\$/MWH	6.02138	6.90347	6.90347	
PEAJE AT US\$/MWh	4.6654	5.1577	5.1577	
+ Experies Entrate de Destanción de Taxión a Colocidar de Encará Eléctrico de Kinemanya /D.A. Constalio d				

* Fuente: Estudio de Racionalización de Tarifas y Subsidios de Energía Eléctrica en Nicaragua (P.A. Consulting)

AVERAGE RATE PRICE

It is the energy unit value made up of energy/power input and transmission service costs, and distribution activity compensation

- This value considers:
 - Wholesale purchase price and deviations
 - Transportation services
 - Cost of losses
 - Distribution Value Added

COMPOSICION DEL PRECIO PROMEDIO TARIFARIO (US\$/MWh)		
Conceptos	P.Prom Julio 2008	
Total precio monómico de abastecimiento en MT	140.07880	
Costo medio de transporte en MT	5.15774	
Total suministro en barras de MT	145.23653	
Total pérdidas reconocidas	17.42838	
Factor pérdidas reconocidas	1.12	
Total suministro en MT despúes de pérdidas	162.66492	
Costo de distrib. + AP + Comerc. Reconocido	47.23768	
VAD de distribución reconocido	35.09419	
VAD de AP reconocido	5.24002	
VAD de Comercialización reconocido	6.90347	
Precio promedio global de venta	209.90260	

MARKET STRUCTURE

A market structure review

Opening consumption blocks in residential rate to clearly identify subsidies.

Eliminating commercial charge discrimination.

Projecting consumption and number of customers to compute expected revenue from billings

MARKET STRUCTURE

CONCERNING:

The ratio of consumption and number of customers in each rate charge to total consumption and number of customers over a particular period of time

Determining load factors, which relate monthly energy consumption in each rate class, peak demand, and a 730hour time period in the month

MARKET STRUCTURE

As a market structure element, the share of rate charges in the average rate price previously approved by INE, and related to these charges, is included

The market structure contains the constant factors and parameters allowing distribution of projections for consumption, number of customers, and peak demand

This market structure will be analyzed periodically trying to find an adequate average price

MARKET STRUCTURE CHANGE

 INE determined a market structure based on actual data for the last 12 months (June 2007 – May 2008).

MARKET STRUCTURES

JULY 2008 RATE SCHEDULE

In order to decrease a rate change impact on the following sectors,

Residences, with 620,642 customers
Churches, with 1,749 customers

The proposal is: JULY 2008 RATE SCHEDULE

PRICE IMPACT OF A CHANGE IN STRUCTURE

Applying the proposed JULY 2008 rate to market projection for the July 2008-June 2009 period, distributed according to selected structure, a simulated revenue is obtained to generate an average US\$0.209903/kWh price.

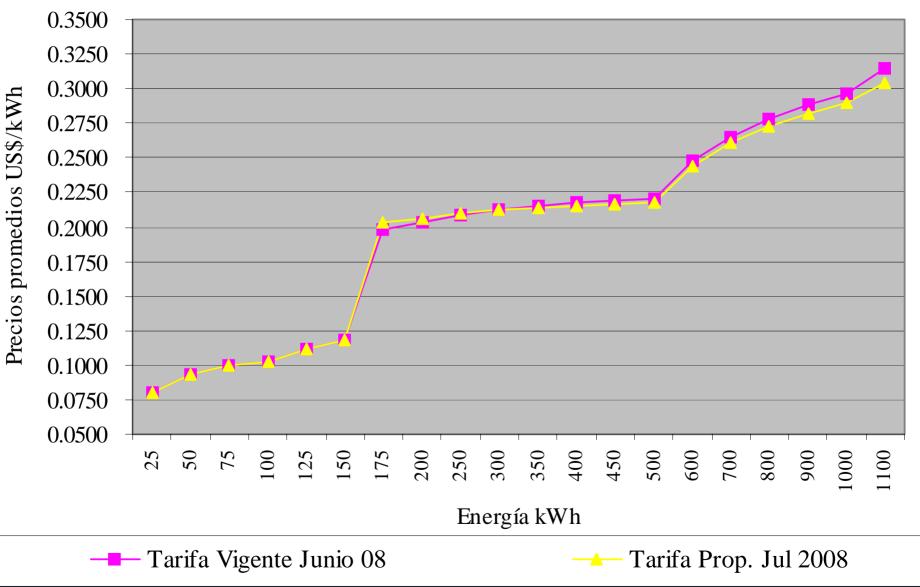
REVENUE SIMULATION WITH JULY 2008 RATE AND CONSUMPTION AND CUSTOMERS IN JUL 08-JUN 09 PERIOD

PRICE IMPACT OF A CHANGE IN STRUCTURE

In comparing the proposed July 2008 rate to the rate in force in June 2008 the approved average price goes from US\$ 208.11 to US\$209.90 per MWh.

RATE IN FORCE IN JUNE 2008 vs. JULY 2008 RATE

Comparación propuesta tarifa residencial



Comparison of Current Rate Average Price vs Global

Who pays more and who pays less of the current rate system average price?

JUNIO 08 AVERAGE PRICE vs JUNE GLOBAL AVERAGE PRICE

JULY AVERAGE PRICE vs JULY GLOBAL AVERAGE PRICE

