

EMPRESA NACIONAL DE ENERGÍA ELÉCTRICA



BOLETIN ESTADISTICO  
SEPTIEMBRE 2007

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# SUBDIRECCIÓN DE PLANIFICACIÓN

## Tabla de contenido

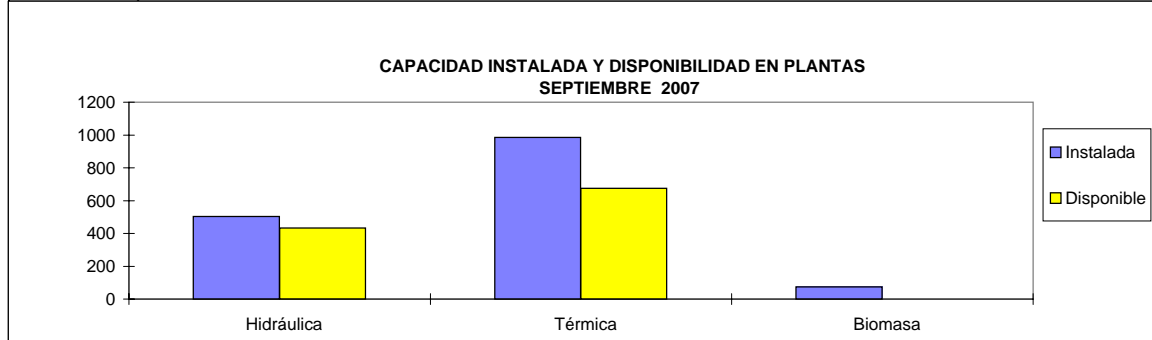
|     |   |    |
|-----|---|----|
| 1.  | Capacidad Instalada y Disponibilidad de Plantas ..... | 3  |
| 2.  | Total Energía Neta Generada en el Sistema .....       | 5  |
| 3.  | Demanda Máxima en el Sistema .....                    | 6  |
| 4.  | Intercambio y Compra Local de Energía.....            | 7  |
| 5.  | Energía Vendida .....                                 | 9  |
| i.  | A Nivel Nacional.....                                 | 9  |
| ii. | A Nivel de Regiones.....                              | 10 |
| 6.  | Ingresos por Ventas de Energía.....                   | 11 |
| i.  | Por sector .....                                      | 11 |
| ii. | Por regiones.....                                     | 12 |
| 7.  | Número de Abonados.....                               | 13 |

TODOS LOS DATOS SON PRELIMINARES SUJETOS A RECTIFICACIONES.

**CAPACIDAD INSTALADA Y DISPONIBILIDAD EN PLANTAS**

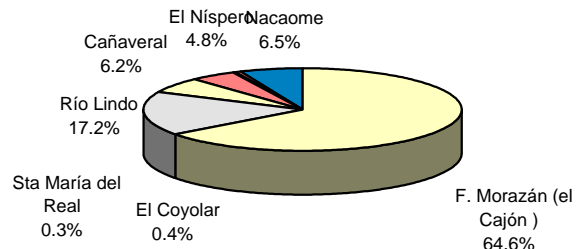
| TIPO DE PLANTA            | 2006                   |              | SEPTIEMBRE 2007 |                      |                |              |             |
|---------------------------|------------------------|--------------|-----------------|----------------------|----------------|--------------|-------------|
|                           | MW                     | %            | MW              | %                    | MW             | %            |             |
|                           | INSTALADA              |              |                 | DISPONIBLE EN EL MES |                |              |             |
| <b>TOTAL SISTEMA</b>      | <b>1,548.0</b>         | <b>100.0</b> | <b>1,563.8</b>  | <b>100.0</b>         | <b>1,108.6</b> | <b>100.0</b> |             |
| Hidráulica                | 502.9                  | 32.5         | 503.9           | 32.2                 | 433.5          | 39.1         |             |
| Térmica                   | 985.3                  | 63.7         | 985.3           | 63.0                 | 675.1          | 60.9         |             |
| Biomasa                   | 59.8                   | 3.9          | 74.6            | 4.8                  | 0.0            | 0.0          |             |
| <b>HIDRÁULICA ESTATAL</b> | <b>TIPO DE EMBALSE</b> | <b>464.4</b> | <b>30.0</b>     | <b>464.4</b>         | <b>29.7</b>    | <b>433.5</b> | <b>39.1</b> |
| Francisco Morazán         | REG. PLURIANUAL        | 300.0        | 19.4            | 300.0                | 19.2           | 292.0        | 26.3        |
| Río Lindo                 | REG. DIARIA            | 80.0         | 5.2             | 80.0                 | 5.1            | 80.0         | 7.2         |
| Cañaveral                 | REG. ANUAL             | 29.0         | 1.9             | 29.0                 | 1.9            | 29.0         | 2.6         |
| El Nispero                | REG. HORARIA           | 22.5         | 1.5             | 22.5                 | 1.4            | 32.5         | 2.9         |
| Santa María del Real      | REG. HORARIA           | 1.2          | 0.1             | 1.2                  | 0.1            | 0.0          | 0.0         |
| El Coyolar                | REG. HORARIA           | 1.7          | 0.1             | 1.7                  | 0.1            | 0.0          | 0.0         |
| Nacaome                   | REG. ANUAL             | 30.0         | 1.9             | 30.0                 | 1.9            | 0.0          | 0.0         |
| <b>TÉRMICA ESTATAL</b>    | <b>TECNOLOGÍA</b>      | <b>124.6</b> | <b>8.0</b>      | <b>124.6</b>         | <b>8.0</b>     | <b>43.0</b>  | <b>3.9</b>  |
| Santa Fe                  | MDMV                   | 5.0          | 0.3             | 5.0                  | 0.3            | 2.4          | 0.2         |
| La Ceiba                  | MDMV                   | 26.6         | 1.7             | 26.6                 | 1.7            | 14.6         | 1.3         |
| Alsthon                   | MDMV                   | 30.0         | 1.9             | 30.0                 | 1.9            | 0.0          | 0.0         |
| Sulzer                    | MDMV                   | 30.0         | 1.9             | 30.0                 | 1.9            | 0.0          | 0.0         |
| LP_Hitachi                | TG                     | 18.0         | 1.2             | 18.0                 | 1.2            | 16.0         | 1.4         |
| LP_Gen_Elec               | TG                     | 15.0         | 1.0             | 15.0                 | 1.0            | 10.0         | 0.9         |
| <b>TÉRMICA PRIVADA</b>    | <b>TECNOLOGÍA</b>      | <b>860.7</b> | <b>55.6</b>     | <b>860.7</b>         | <b>55.0</b>    | <b>632.1</b> | <b>57.0</b> |
| Laeisz NACO               | MDAV                   | 13.5         | 0.9             | 13.5                 | 0.9            | 0.0          | 0.0         |
| Cemcol_LP                 | MDAV                   | 0.0          | 0.0             | 0.0                  | 0.0            | 0.0          | 0.0         |
| Nacional de Ing CTE       | MDAV                   | 20.0         | 1.3             | 20.0                 | 1.3            | 17.0         | 1.5         |
| Emce Choloma              | MDMV                   | 55.0         | 3.6             | 55.0                 | 3.5            | 44.0         | 4.0         |
| Enersa                    | MDMV                   | 259.0        | 16.7            | 259.0                | 16.6           | 182.0        | 16.4        |
| Lufussa I                 | TG                     | 39.5         | 2.6             | 39.5                 | 2.5            | 39.5         | 3.6         |
| Lufussa Valle             | MDMV                   | 80.0         | 5.2             | 80.0                 | 5.1            | 68.6         | 6.2         |
| Lufussa III               | MDMV                   | 267.4        | 17.3            | 267.4                | 17.1           | 210.0        | 18.9        |
| Elcosa                    | MDMV                   | 80.0         | 5.2             | 80.0                 | 5.1            | 71.0         | 6.4         |
| Green Valley              | MDMV                   | 14.4         | 0.9             | 14.4                 | 0.9            | 0.0          | 0.0         |
| Ampac                     | MDMV                   | 10.1         | 0.7             | 10.1                 | 0.6            | 0.0          | 0.0         |
| Elcatex                   | MDMV                   | 21.8         | 1.4             | 21.8                 | 1.4            | 0.0          | 0.0         |
| <b>HIDRÁULICA PRIVADA</b> | <b>TIPO DE EMBALSE</b> | <b>38.5</b>  | <b>1.7</b>      | <b>39.5</b>          | <b>2.5</b>     | <b>0.0</b>   | <b>0.0</b>  |
| Zacapa ( Cenit)           | REG. HORARIA           | 0.5          | 0.0             | 0.5                  | 0.0            | 0.0          | 0.0         |
| La Nieve                  | REG. HORARIA           | 0.5          | 0.0             | 0.5                  | 0.0            | 0.0          | 0.0         |
| La Esperanza              | REG. HORARIA           | 12.8         | 0.8             | 12.8                 | 0.8            | 0.0          | 0.0         |
| Babilonia                 | REG. HORARIA           | 4.0          | 0.3             | 4.0                  | 0.3            | 0.0          | 0.0         |
| Yojoa                     | REG. HORARIA           | 0.6          | 0.0             | 0.6                  | 0.0            | 0.0          | 0.0         |
| Río Blanco                | REG. HORARIA           | 5.0          | 0.3             | 5.0                  | 0.3            | 0.0          | 0.0         |
| Cececapa                  | REG. HORARIA           | 2.9          | 0.2             | 2.9                  | 0.2            | 0.0          | 0.0         |
| Cuyamel                   | REG. HORARIA           | 0.0          | 0.0             | 1.0                  | 0.1            | 0.0          | 0.0         |
| Cuyamapa                  | REG. HORARIA           | 12.2         | 0.0             | 12.2                 | 0.8            | 0.0          | 0.0         |
| <b>BIOMASA PRIVADA</b>    | <b>TECNOLOGÍA</b>      | <b>59.8</b>  | <b>3.9</b>      | <b>74.6</b>          | <b>4.8</b>     | <b>0.0</b>   | <b>0.0</b>  |
| La Grecia                 | TV                     | 12.0         | 0.8             | 1.2                  | 0.1            | 0.0          | 0.0         |
| Eda                       | TV                     | 1.2          | 0.1             | 7.8                  | 0.5            | 0.0          | 0.0         |
| Aysa                      | TV                     | 8.0          | 0.5             | 12.0                 | 0.8            | 0.0          | 0.0         |
| Lean                      | TV                     | 0.5          | 0.0             | 8.0                  | 0.5            | 0.0          | 0.0         |
| Aguan                     | TV                     | 0.5          | 0.0             | 0.5                  | 0.0            | 0.0          | 0.0         |
| Cahsa                     | TV                     | 25.8         | 1.7             | 0.5                  | 0.0            | 0.0          | 0.0         |
| Azunosa                   | TV                     | 4.0          | 0.3             | 25.8                 | 1.6            | 0.0          | 0.0         |
| Tres Valles               | TV                     | 7.8          | 0.5             | 4.0                  | 0.3            | 0.0          | 0.0         |
| Chumbagua                 | TV                     | 0.0          | 0.0             | 7.8                  | 0.5            | 0.0          | 0.0         |
| Ecopalsa                  | TV                     | 0.0          | 0.0             | 7.0                  | 0.4            | 0.0          | 0.0         |

MDMV = Motores DieselMedia Velocidad  
MDAV = Motores Diesel Alta Velocidad  
TG = Turbina de Gas  
TV = Turbina de Vapor

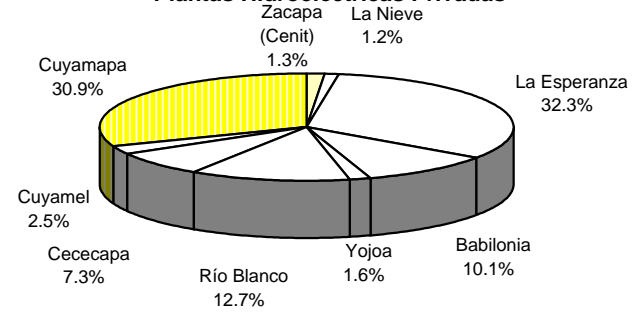


## CAPACIDAD INSTALADA EN PLANTAS SEPTIEMBRE 2007

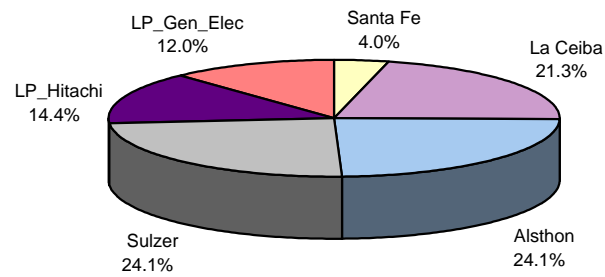
### Plantas Hidroeléctricas Estatales



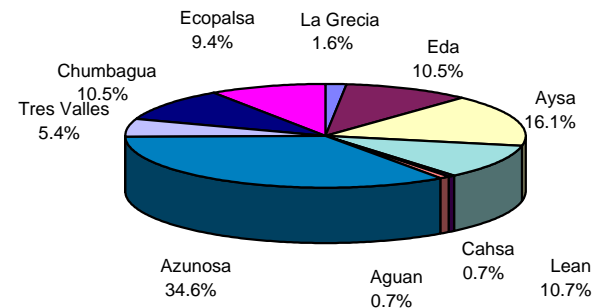
### Plantas Hidroeléctricas Privadas



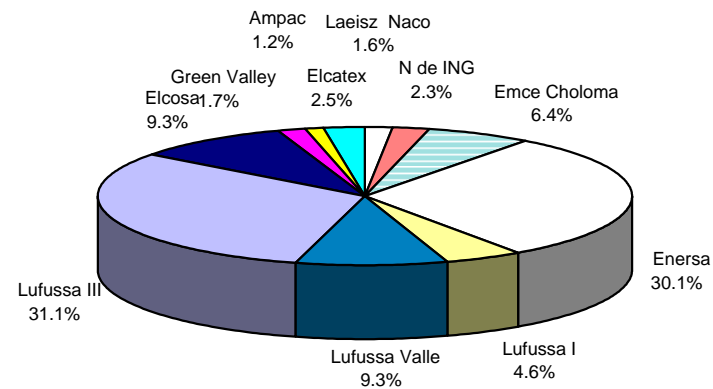
### Plantas Térmicas Estatales



### Plantas Biomasa



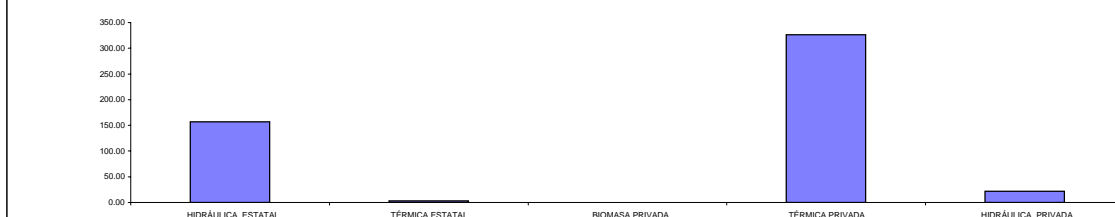
### Plantas Térmicas Privadas



**TOTAL ENERGIA NETA GENERADA EN EL SISTEMA ENEE**

| TIPO DE PLANTA                           | 2006                   |                | SEPTIEMBRE - 2007 |              | ACUMULADO EN 2007 |                |             |
|--|------------------------|----------------|-------------------|--------------|-------------------|----------------|-------------|
|  | GWh                    | %              | GWh               | %            | GWh               | %              |             |
| <b>TOTAL SISTEMA</b>                     | <b>5,959.0</b>         | <b>100.0</b>   | <b>508.3</b>      | <b>100.0</b> | <b>4,720.1</b>    | <b>100.0</b>   |             |
| Hidráulica                               | 2,069.9                | 34.7           | 178.7             | 35.2         | 1,648.2           | 34.9           |             |
| Térmica                                  | 3,770.4                | 63.3           | 329.6             | 64.8         | 2,964.3           | 62.8           |             |
| Biomasa                                  | 100.0                  | 1.7            | 0.0               | 0.0          | 106.1             | 2.2            |             |
| Desviaciones (Exportación - Importación) | 18.8                   | 0.3            | 0.1               | 0.0          | 1.5               | 0.0            |             |
| <b>HIDRÁULICA ESTATAL</b>                | <b>1,938.3</b>         | <b>32.5</b>    | <b>157.0</b>      | <b>30.9</b>  | <b>1,536.6</b>    | <b>32.6</b>    |             |
| Francisco Morazán                        | REG. PLURIANUAL        | 1,038.6        | 17.4              | 87.0         | 17.1              | 952.4          | 20.2        |
| Río Lindo                                | REG. DIARIA            | 586.3          | 9.8               | 42.4         | 8.3               | 407.6          | 8.6         |
| Cañaveral                                | REG. ANUAL             | 185.9          | 3.1               | 13.2         | 2.6               | 128.5          | 2.7         |
| El Nispero                               | REG. HORARIA           | 91.3           | 1.5               | 14.4         | 2.8               | 34.1           | 0.7         |
| Santa María del Real                     | REG. HORARIA           | 3.8            | 0.1               | 0.0          | 0.0               | 1.9            | 0.0         |
| El Coyolar                               | REG. HORARIA           | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Nacaome                                  | REG. ANUAL             | 32.4           | 0.5               | 0.0          | 0.0               | 12.1           | 0.3         |
| <b>TÉRMICA ESTATAL</b>                   | <b>TECNOLOGÍA</b>      | <b>64.3</b>    | <b>1.1</b>        | <b>3.1</b>   | <b>0.6</b>        | <b>43.6</b>    | <b>0.9</b>  |
| Santa Fe                                 | MDMV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| La Ceiba                                 | MDMV                   | 63.1           | 1.1               | 3.1          | 0.6               | 43.2           | 0.9         |
| Alsthon                                  | MDMV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Sulzer                                   | MDMV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| LP_Hitachi                               | TG                     | 0.8            | 0.0               | 0.0          | 0.0               | 0.2            | 0.0         |
| LP_GenElec                               | TG                     | 0.3            | 0.0               | 0.0          | 0.0               | 0.1            | 0.0         |
| <b>TÉRMICA PRIVADA</b>                   | <b>TECNOLOGÍA</b>      | <b>3,706.1</b> | <b>62.2</b>       | <b>326.5</b> | <b>64.2</b>       | <b>2,920.7</b> | <b>61.9</b> |
| Laeisz NACO                              | MDAV                   | 30.9           | 0.5               | 0.0          | 0.0               | 6.6            | 0.1         |
| Cemcol LP                                | MDAV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| N. de ING L.P.                           | MDAV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| N. de ING M.F.                           | MDMV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| N. de ING CTE.                           | MDMV                   | 0.3            | 0.0               | 0.1          | 0.0               | 3.2            | 0.1         |
| Emce Choloma                             | TG                     | 145.9          | 2.4               | 14.4         | 2.8               | 110.8          | 2.3         |
| Enersa                                   | MDMV                   | 1,379.2        | 23.1              | 120.9        | 23.8              | 1,085.0        | 23.0        |
| Lufussa I                                | MDMV                   | 8.3            | 0.1               | 0.4          | 0.1               | 1.1            | 0.0         |
| Lufussa Valle                            | MDMV                   | 154.6          | 2.6               | 17.8         | 3.5               | 138.2          | 2.9         |
| Lufussa III                              | MDMV                   | 1,805.3        | 30.3              | 147.4        | 29.0              | 1,361.8        | 28.9        |
| Elcosa                                   | MDMV                   | 168.3          | 2.8               | 21.7         | 4.3               | 187.3          | 4.0         |
| Gren Valley                              | MDMV                   | 0.0            | 0.0               | 3.4          | 0.7               | 21.9           | 0.5         |
| Ampac                                    | MDMV                   | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Elcatex                                  | MDMV                   | 13.3           | 0.2               | 0.5          | 0.1               | 4.9            | 0.1         |
| <b>HIDRÁULICA PRIVADA</b>                | <b>TIPO DE EMBALSE</b> | <b>131.6</b>   | <b>2.0</b>        | <b>21.7</b>  | <b>4.3</b>        | <b>111.5</b>   | <b>2.5</b>  |
| Zacapa (Cenit)                           | REG. HORARIA           | 3.0            | 0.1               | 0.3          | 0.1               | 1.4            | 0.0         |
| La Nieve                                 | REG. HORARIA           | 1.5            | 0.0               | 0.2          | 0.0               | 0.6            | 0.0         |
| La Esperanza                             | REG. HORARIA           | 23.8           | 0.4               | 6.9          | 1.4               | 21.4           | 0.5         |
| Babilonia                                | REG. HORARIA           | 30.6           | 0.5               | 2.8          | 0.5               | 21.4           | 0.5         |
| Yojoa                                    | REG. HORARIA           | 1.3            | 0.0               | 0.2          | 0.0               | 1.3            | 0.0         |
| Río Blanco                               | REG. HORARIA           | 38.4           | 0.6               | 3.5          | 0.7               | 24.0           | 0.5         |
| Cececapa                                 | REG. HORARIA           | 18.9           | 0.3               | 2.0          | 0.4               | 8.9            | 0.2         |
| Cuyamel                                  | REG. HORARIA           | 0.0            | 0.0               | 1.6          | 0.3               | 2              | 0.2         |
| Cuyamapa                                 | REG. HORARIA           | 14.0           | 0.0               | 4.2          | 0.8               | 30.1           | 0.6         |
| <b>BIOMASA PRIVADA</b>                   | <b>TECNOLOGÍA</b>      | <b>100.0</b>   | <b>27.1</b>       | <b>0.0</b>   | <b>0.0</b>        | <b>106.1</b>   | <b>2.2</b>  |
| La Grecia                                | TV                     | 35.9           | 0.6               | 0.0          | 0.0               | 4.6            | 0.1         |
| Aysa                                     | TV                     | 0.3            | 0.0               | 0.0          | 0.0               | 23.1           | 0.5         |
| Eda                                      | TV                     | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Lean                                     | TV                     | 0.0            | 0.0               | 0.0          | 0.0               | 1.2            | 0.0         |
| Aguan                                    | TV                     | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Cahsa                                    | TV                     | 27.1           | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Azunosa                                  | TV                     | 10.1           | 0.0               | 0.0          | 0.0               | 43.5           | 0.9         |
| Tres Valles                              | TV                     | 26.5           | 26.5              | 0.0          | 0.0               | 11.4           | 0.2         |
| Chumbagua                                | TV                     | 0.0            | 0.0               | 0.0          | 0.0               | 18.5           | 0.4         |
| Ecopalsa                                 | TV                     | 0.0            | 0.0               | 0.0          | 0.0               | 3.8            | 0.1         |
| <b>IMPORTACION*</b>                      |                        |                |                   |              |                   |                |             |
| <b>SUB TOTAL</b>                         |                        | <b>18.8</b>    | <b>0.3</b>        | <b>0.1</b>   | <b>0.0</b>        | <b>1.5</b>     | <b>0.0</b>  |
| Nicaragua                                |                        | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Costa Rica                               |                        | 0.0            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Panamá                                   |                        | 0.0            | 0.0               | 0.0          | 0.0               | 0.8            | 0.0         |
| El Salvador                              |                        | 2.9            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Guatemala                                |                        | 1.1            | 0.0               | 0.0          | 0.0               | 0.0            | 0.0         |
| Mercado Oportunidad Reg.                 |                        | 3.3            | 0.1               | 0.1          | 0.0               | 0.7            | 0.0         |
| Desviaciones ( Inyeccion - Retiro )      |                        | 11.5           | 0.2               | 0.0          | 0.0               | 0.0            | 0.0         |

\* Incluye Energía Comprada ( facturada ) y Desviación de Energía.



**DEMANDA MAXIMA DEL SISTEMA E.N.E.E.**

**PERIODO 2006 - 2007**

| MES        | MW             | FECHA                 | HORA              | MW           | FECHA                  | HORA              |
|------------|----------------|-----------------------|-------------------|--------------|------------------------|-------------------|
|            | 2006           |                       |                   | 2007         |                        |                   |
| ENERO      | 987            | lunes30/01            | 06:30 p.m.        | 1,057        | miercoles/24/01        | 06:30 p.m.        |
| FEBRERO    | 985            | jueves2/02            | 06:42 p.m.        | 1,087        | jueves/15/02           | 06:42 p.m.        |
| MARZO      | 1,039          | martes21/03           | 06:42 p.m.        | 1,088        | jueves/1/03            | 06:48 p.m.        |
| ABRIL      | 1,065          | lunes24/04            | 11:42 a.m.        | <b>1,126</b> | <b>miercoles/18/04</b> | <b>07:00 p.m.</b> |
| MAYO       | 1,051          | lunes8/05             | 11:42 a.m.        | 1,118        | viernes/04/05          | 11:30 a.m.        |
| JUNIO      | 1,010          | lunes19/06            | 11:36 a.m.        | 1,096        | martes/05/06           | 11:48 a.m.        |
| JULIO      | 1,022          | miercoles05/07        | 11:36 a.m.        | 1,106        | miercoles/04/07        | 11:42 a.m.        |
| AGOSTO     | 1,046          | martes29/08           | 07:12 p.m.        | 1,098        | viernes/24/08          | 11:42 a.m.        |
| SEPTIEMBRE | 1,069          | martes26/09           | 06:30 p.m.        | 1,106        | jueves/27/09           | 06:30 p.m.        |
| OCTUBRE    | <b>1,088</b>   | <b>miercoles18/10</b> | <b>11:36:00am</b> |              |                        |                   |
| NOVIEMBRE  | 1,062          | martes14/11           | 06:06 p.m.        |              |                        |                   |
| DICIEMBRE  | 1,066          | martes12/12           | 06:12 p.m.        |              |                        |                   |
| D. MAXIMA  | <b>1,088.0</b> | <b>miercoles18/10</b> | <b>11:36:00am</b> | <b>1,126</b> | <b>miercoles/18/04</b> | <b>07:00 p.m.</b> |











