

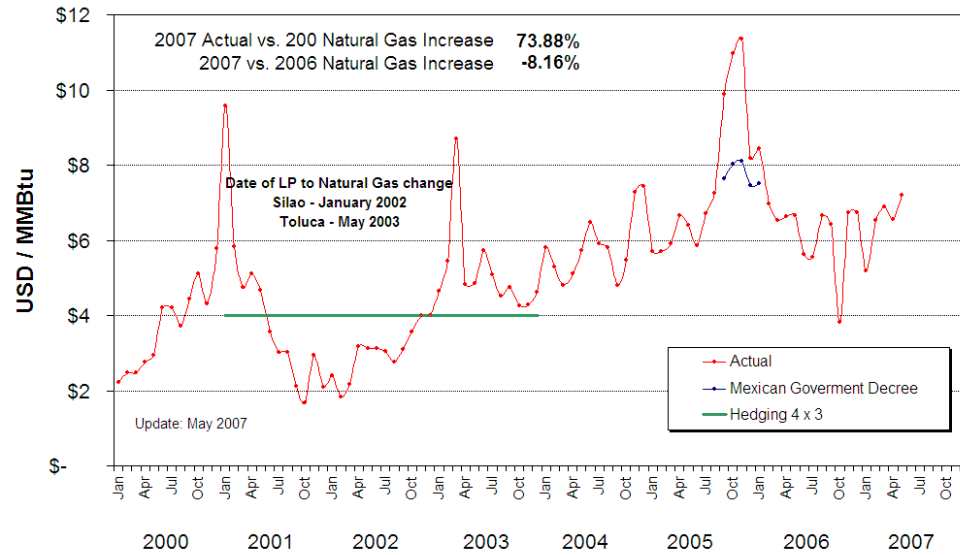
# General Motors de México

Environmental and Sustainability

## *Saving and Energy Conservation*

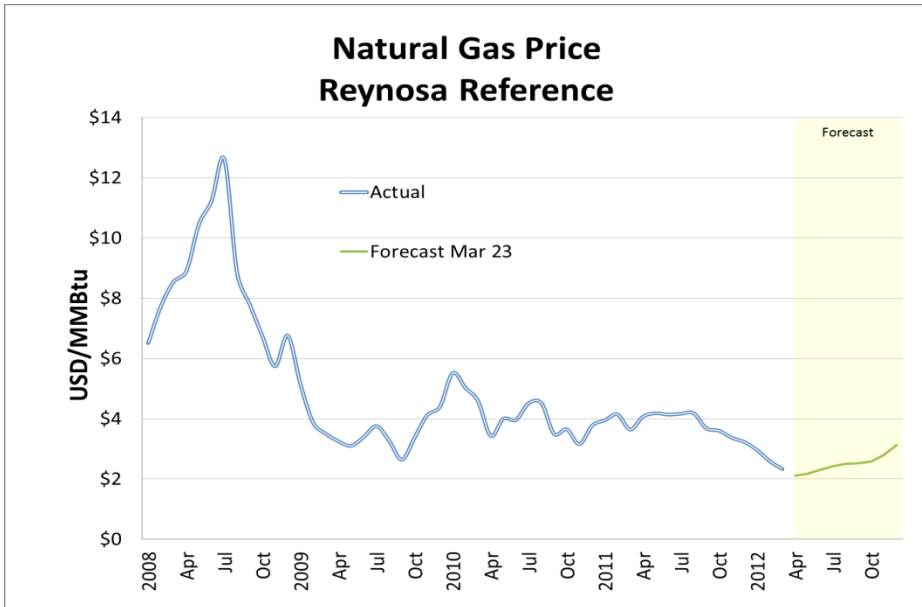


## NATURAL GAS REYNOSA REFERENCE



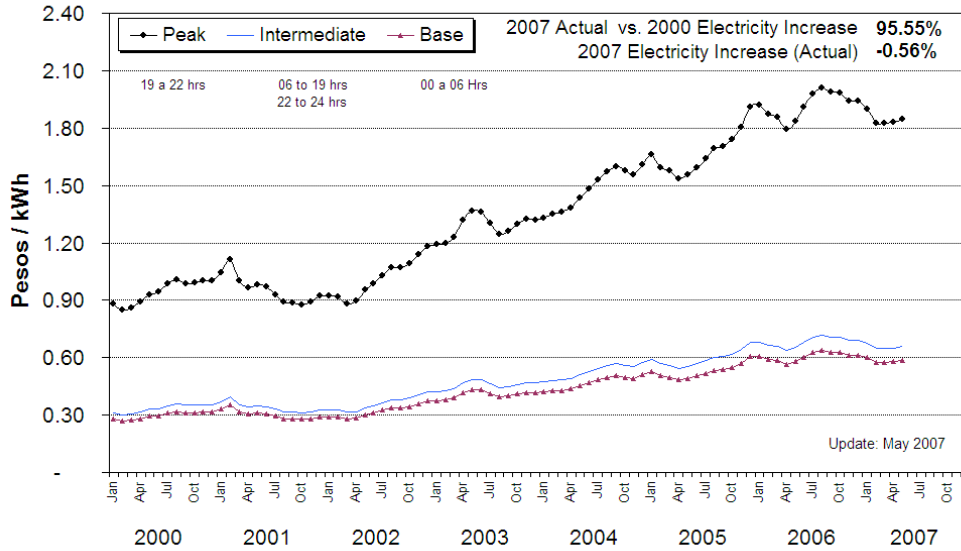
# ¿Why?

**High cost of energy and trend to growth**

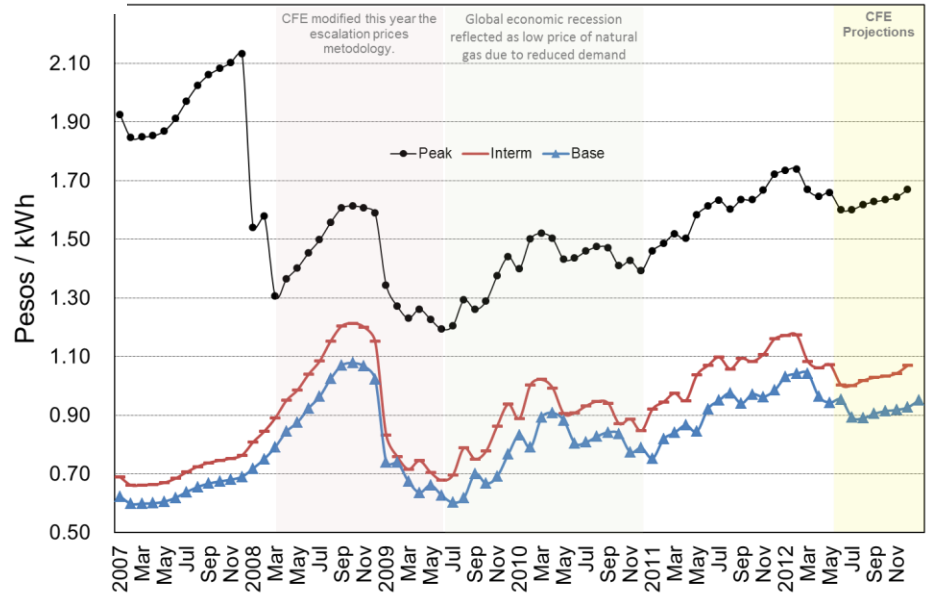


# ELECTRICAL AV. PRICES BY RATE SCHEDULE TO RAMOS ARIZPE

ELECTRICAL RATE: HS-L



## CFE Electricity Price by Period, HS-L Rate (115 kV)



# ¿Where?

Management

Areas of Opportunity

Manufacture

Waste Water Treatment

Resources Management

Electric Sub-Stations

Compressed Air



**¿How?**



# Energy Sufficiency Plan

Energy Sufficiency Plan is a proactive plan to reduce consumption, demand and energy costs with the commitment and participation of ALL

The particularity of this plan is to identify and implement energy saving initiatives that do not require financial investment, only the commitment and involvement of staff.

ESP is to create teams, among the Energy Saving Committee or its representative and productive areas, to implement the plan in each area.

Strategy should be to communicated, beginning with the senior leadership.

Identified energy saving initiatives should be to assessed in conjunction with the Savings Committee.

Each initiative should be to documented in provided formats set.

**Weekend's Audits taking place since the implementation of the plan, allow to identify in which areas there are equipment consuming energy without added value to the production unit, in this way, computers that are switched on unnecessarily are detected and noted in the listing to provide feedback to the appropriate area in this situation.**



# Plan Zero Energy

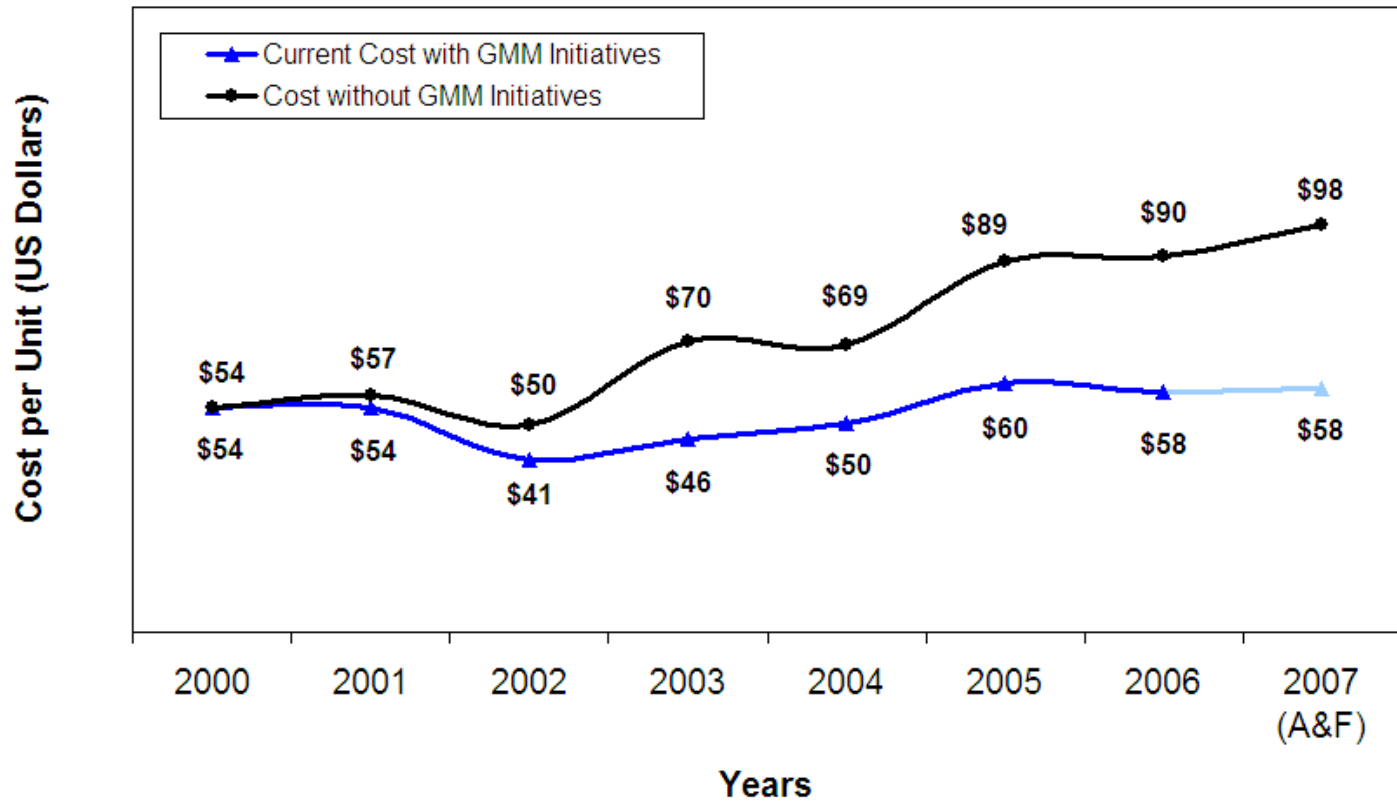
- This initiative focuses on maintaining minimum energy use during periods of widespread unemployment, however, it may be applied on weekends and holidays
- Restrictions to avoid wasting electricity, water, gas, steam and compressed air, are provided
- Auditing and monitoring are performed by service personnel in all areas during the period of unemployment
- Special energy requirements must be authorized by senior management and in writing.
- Senior's management support is essential to implement this initiative.



# Performance Measurement: KPI's

(Energy Cost per Unit)

## 2007 Cost per Equivalent Vehicle US Dollars



# New Technologies

Technological investment initiatives:

- ✓ “Green” lighting
- ✓ Energy management system
- ✓ Automatic control for compressed air



- **Environmental culture and awareness**
  - **To integrate energy aspects to the EMS**
- **Management Commitment**



# ***¡GRACIAS!***



---

*Real Estate & Facilities Group*

*Environmental and Sustainability*