



***Winter Outlook Consultation 06/07***

***Mette Hansvik  
Sempra Energy***

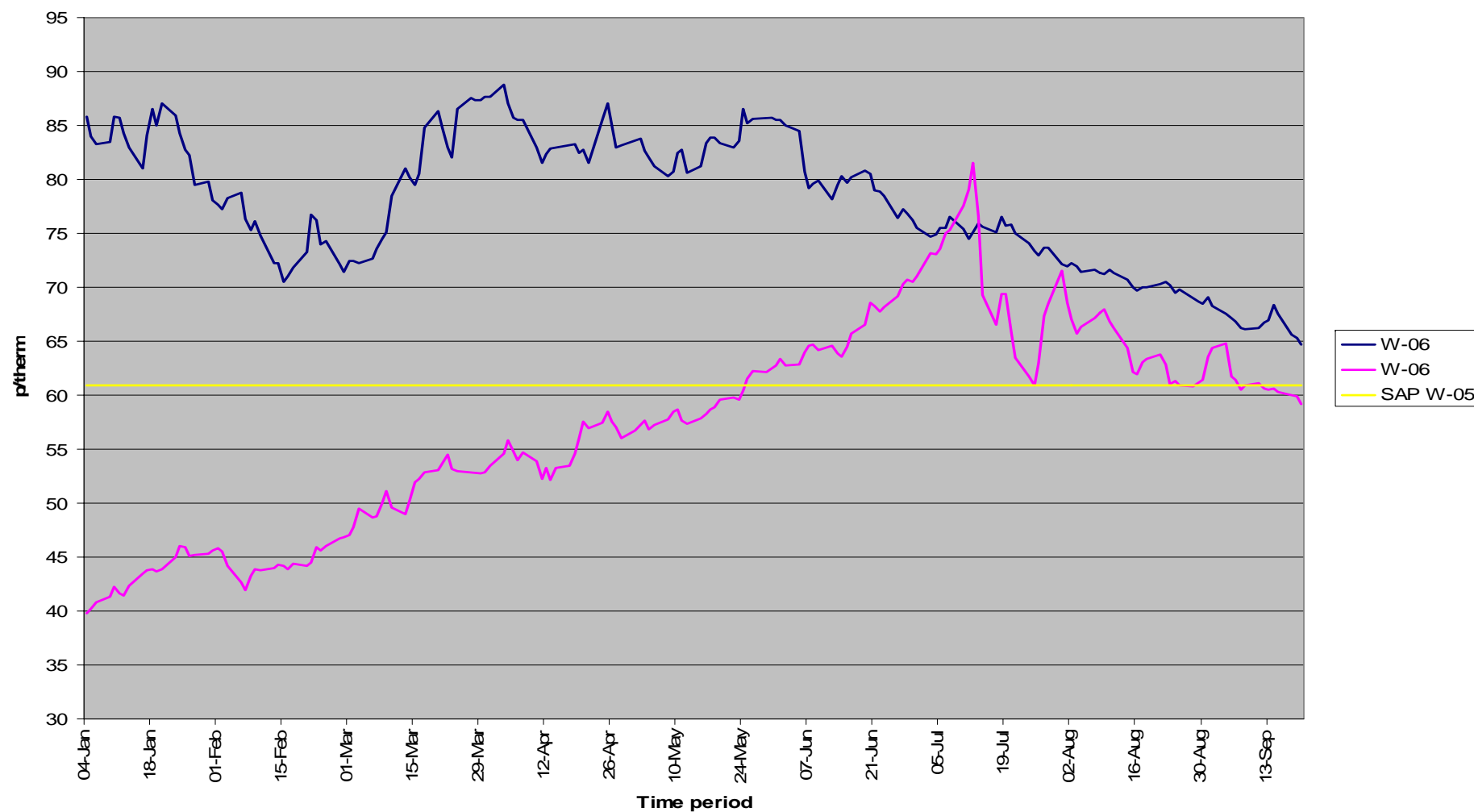
***[www.sempra.com](http://www.sempra.com)***



# Sempra Energy

## Winter-06 price trend

Trend Winter-06 vs Winter-05





## *Why is Winter6 trading higher than Winter5?*

- Market undervalued Winter 5 volatility
- Daily volatility higher than expected
- Risk premium function of volatility
- Average daily volatility Nov/March = 250%!!
- Options market - market pricing 27p movement in January contract



## Sempra Energy *Risk Premium*

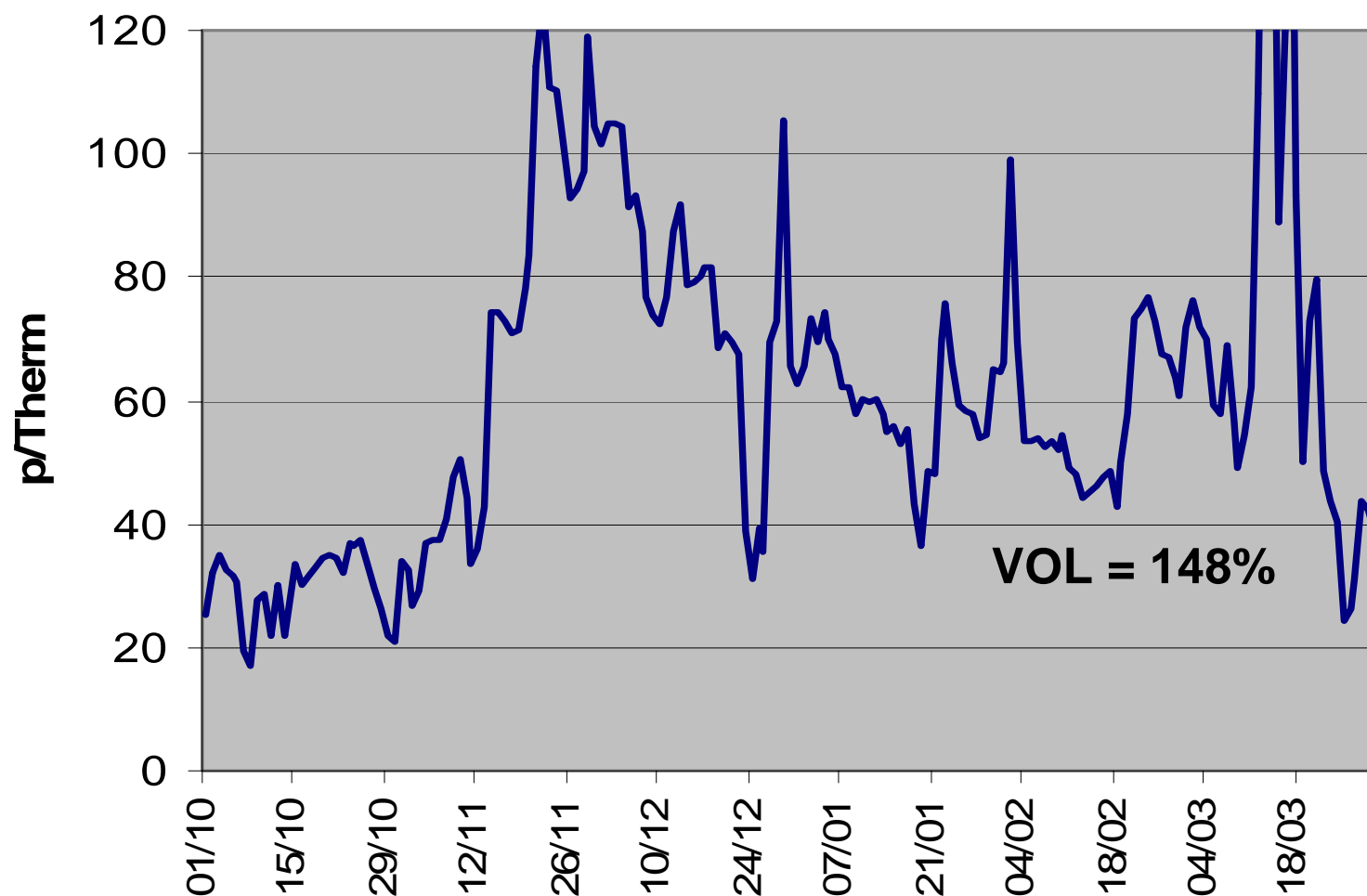
- Increased Volatility = increased risk premia
- New assets e.g. storage, pipelines reduces volatility
- BUT market sceptical of new infrastructure given gas flows in Interconnector last year





Sempra Energy

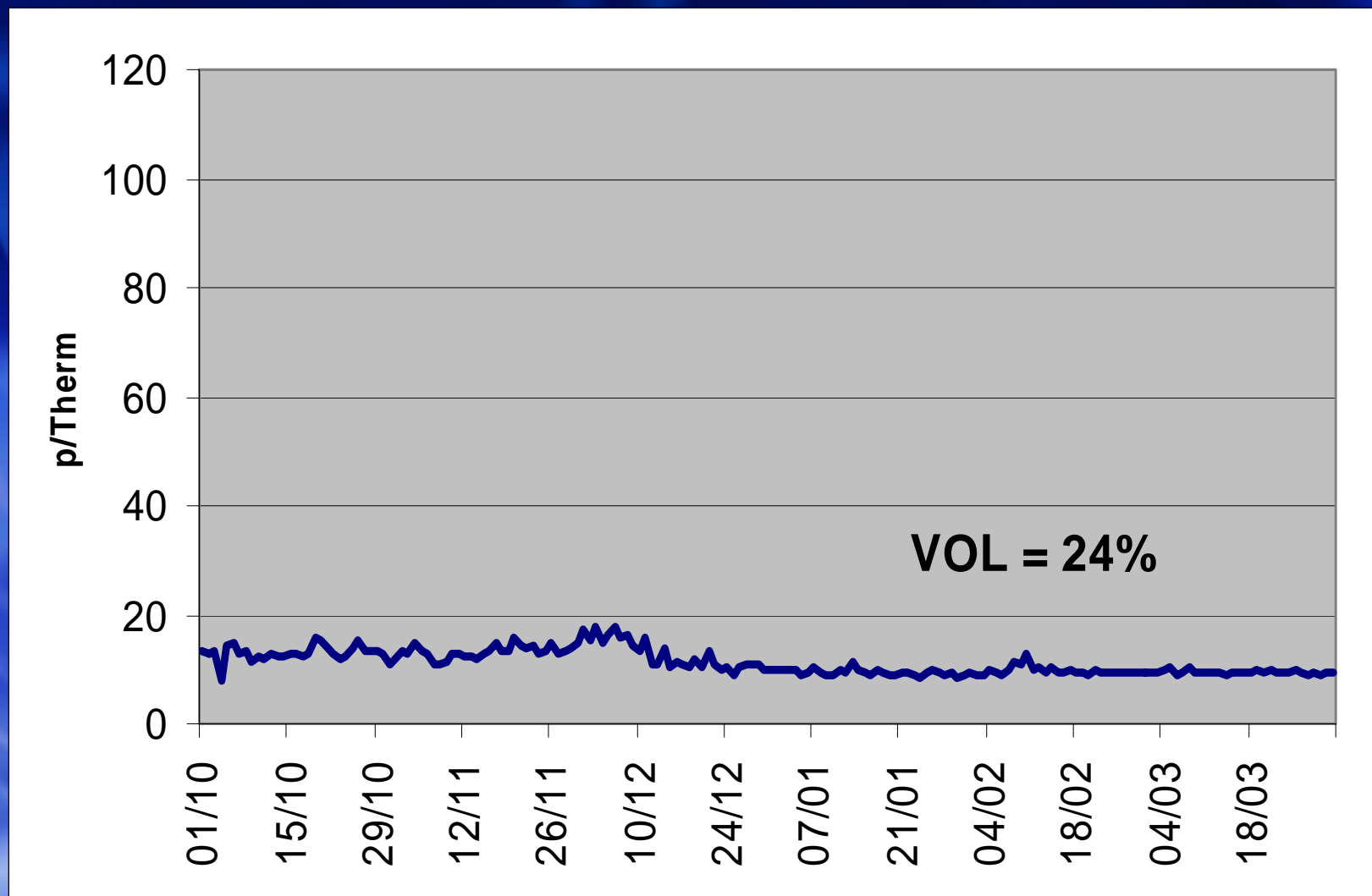
## *Winter 5 SAP Prices*





Sempra Energy

## *Winter 98 SAP Prices*





## Sempra Energy *Risk Factors:*

- Weather
- Storage reliability
- Gas field decline
- Interconnector gas flows 2005
- Lack of storage/swing UK
- New gas pipelines
- LNG
- Demand side response
- European Storage, and transportation capacity