

Public Utility Commission of Texas  
Docket No. 26359  
**Competitive Metering**



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(a division of Hunt Power)



Sept. 17, 2002

# Hunt Power Overview

- Large Scale Power Generation
  - Hunt Gas Assets
- Distributive Generation
  - Technology Investment / Real Estate Enhancement

# Hunt Power Overview

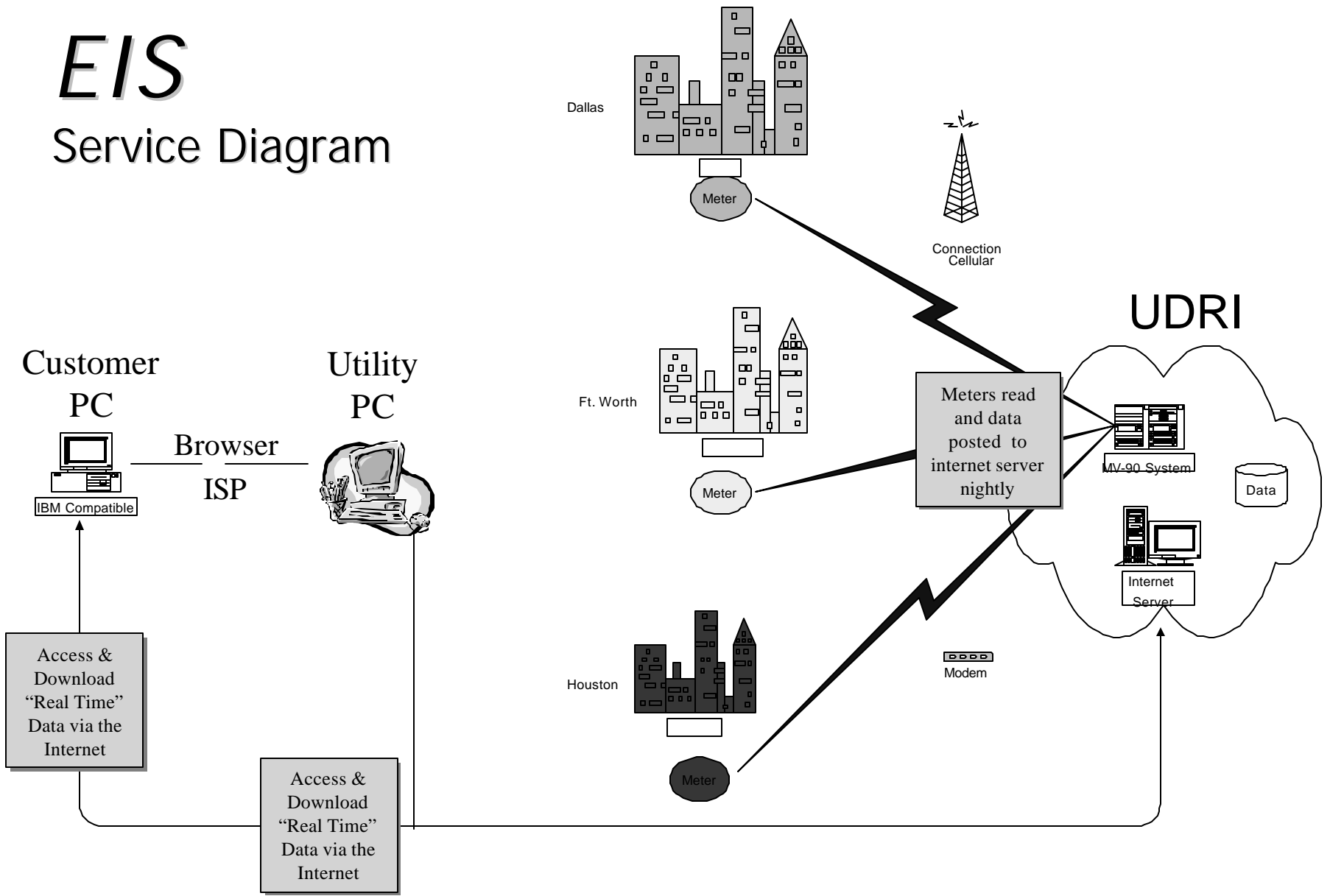
- MeterSmart Division
  - Provides Low Cost Metering Manufacturer/ Data Solutions
  - ‘Outsourced’ full-service provider to Sharyland Utilities

# Who is MeterSmart

- Utility Data Resources
  - Interval Data Collection
  - Web Based Presentation to End Users
  - Complex Billing Software and Service Bureau
- EMON
  - Sub-metering Manufacturer

# EIS

## Service Diagram



# Sharyland Plantation

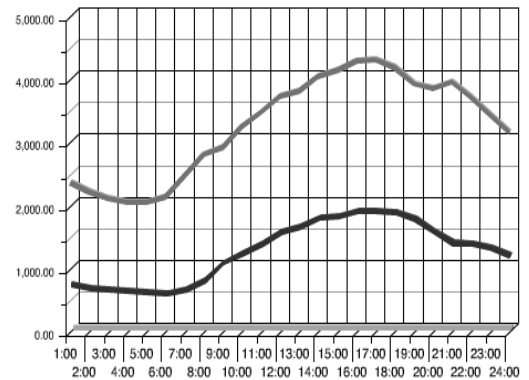
- 6,000 Acre Master Planned Development
  - Residential (84 %)
  - Commercial (14%)
  - Industrial (2%)
- Industrial Applications
- Need for Quality Infrastructure to Attract Customers

# Sharyland Rate Structure

- Transmission Charge
  - Allocation Based on SU's System Four Coincident Peaks in the Summer Months
  - 15 Minute Interval Requirement
- Distribution Charge
  - Based on the Customer's Non-Coincident Monthly Demand
- Rate Structure the Same for All Customer Classes

# MeterSmart Sharyland Service Features

- FULL IDR Deployment
- Meter Reading
  - Remote IDR Collection
  - Accuracy Testing
  - Billing Determinants sent to Sharyland Utilities per Cycle
- Web page to view daily load profiles for all customer classes
- Most customers have updated information every 24 Hours





# Other MeterSmart Activities

- Commercial sub-metering
  - 75+ buildings in Texas; >25 MW
- Services Provided
  - Sub-meter Hardware
  - Data Collection & Internet Presentation
  - Consulting on Design & Reporting
- Objectives
  - Future Price Negotiations
  - Operational Efficiencies & Compliance Reporting
  - Allocate Usage Correctly to Departments & Tenants

In competitive choice areas, MeterSmart has continuous contact with REPs and customers

# Advanced Metering: Goals for C&I Sector

- Interval Meter Data Needs to Support:
  - Real Time Pricing
  - Voluntary Load Curtailment
  - Automated Load Curtailment
  - Timely and Accurate settlement

# MeterSmart Experience

- Continued reliance on profiles is holding back the Texas market
- Absence of IDR data in midsize commercial sector is increasing costs to system

# Will customers participate?

- YES, if we show them the following:
  - Understanding load shapes
    - Individual
    - System
  - Education on how demand participation affects prices and system reliability
  - Value of demand elasticity
    - Economic (individual and system-wide)
    - Environmental
  - Most Important: **COST SAVINGS** for shifting load

# Will customers participate?

- Customers will respond to price signals
  - Not just large industrials
  - Many opportunities (favorable load shapes) in midsize commercial sector
- Customers want:
  - Opportunities to save money through creative time-based rate plans
  - Ability to view their usage patterns

# Will REPs respond?

- REPs Want:
  - Accurate, Low Cost Usage Data to Develop and Offer Rate Plans
  - Track Record of Usage History

# Recommendations

- We advocate an Interval Data Recorder requirement for all C&I customers above 50 kW
- We are neutral as to who owns the meter
- We are skeptical that competitive metering will achieve this goal

# Conclusions

- **REPs will respond**
- **Customers want to respond**
- **The market will benefit from demand elasticity**
- **It all starts with the meter data**



# Conclusions

- **More IDR meters needed in midsize C&I category**
- **Competitive metering won't achieve IDR deployment as fast as TDSP requirement**

# Conclusions

- **The customer should have control over the meter data**
- **We are neutral on the subject of who owns the meter**