

MIDAS METERING SERVICES LTD.

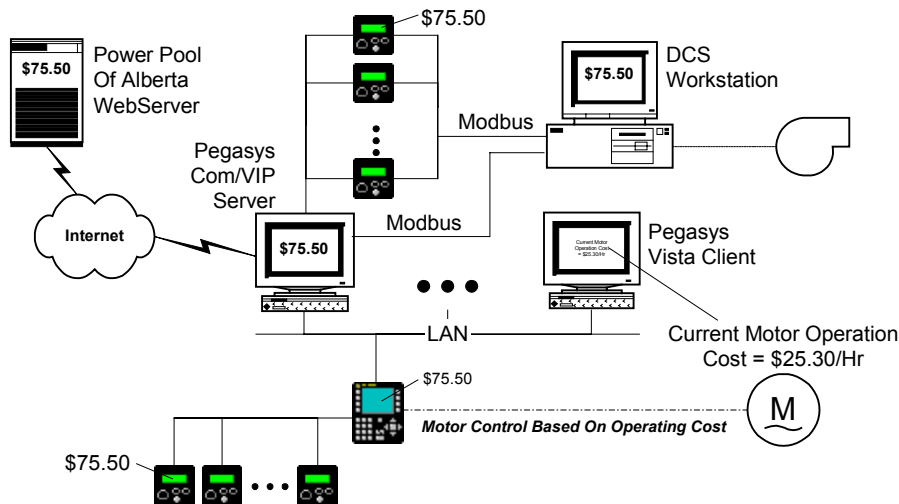
METERING INSTALLATION & DATA ACQUISITION SERVICES

SYSTEM MARGINAL PRICE APPLICATION

Purpose: The System Marginal Price application module (SMP Module) is designed to provide a continuous stream of *real-time* system marginal price information from the Power Pool of Alberta (PPOA) webpage to a Power Measurement Ltd. (PML) network metering system via the PML Pegasys or ION Enterprise software (PML Software).

Basic Application: The SMP Module in conjunction with the PML Software and a one or more networked PML power meters can be used to effect a real-time system marginal price-based load control scheme directly or through the local plant DCS or PLC systems.

Basic Operation: The SMP Module interfaces with the PML Software using Dynamic Data Exchange (DDE) technology through the PML Software Virtual ION Processor (VIP) subsystem. Once the system marginal price information is made available at the VIP through this interface the information can be distributed and used throughout the networked metering system or ported to a distributed control system (DCS) to provide real-time pricing indication and price based control. The following diagram provides a general overview of how the system marginal price information could be propagated through a PML networked metering system and connected DCS:



Installation

Requirements: The following are the system requirements necessary to use/utilize the SMP Module:

- the Pegasys Workstation/Network or ION Enterprise application software
- a persistent Internet connection (56k or better)

Pricing: Please contact us directly for current pricing details and licensing terms.

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