



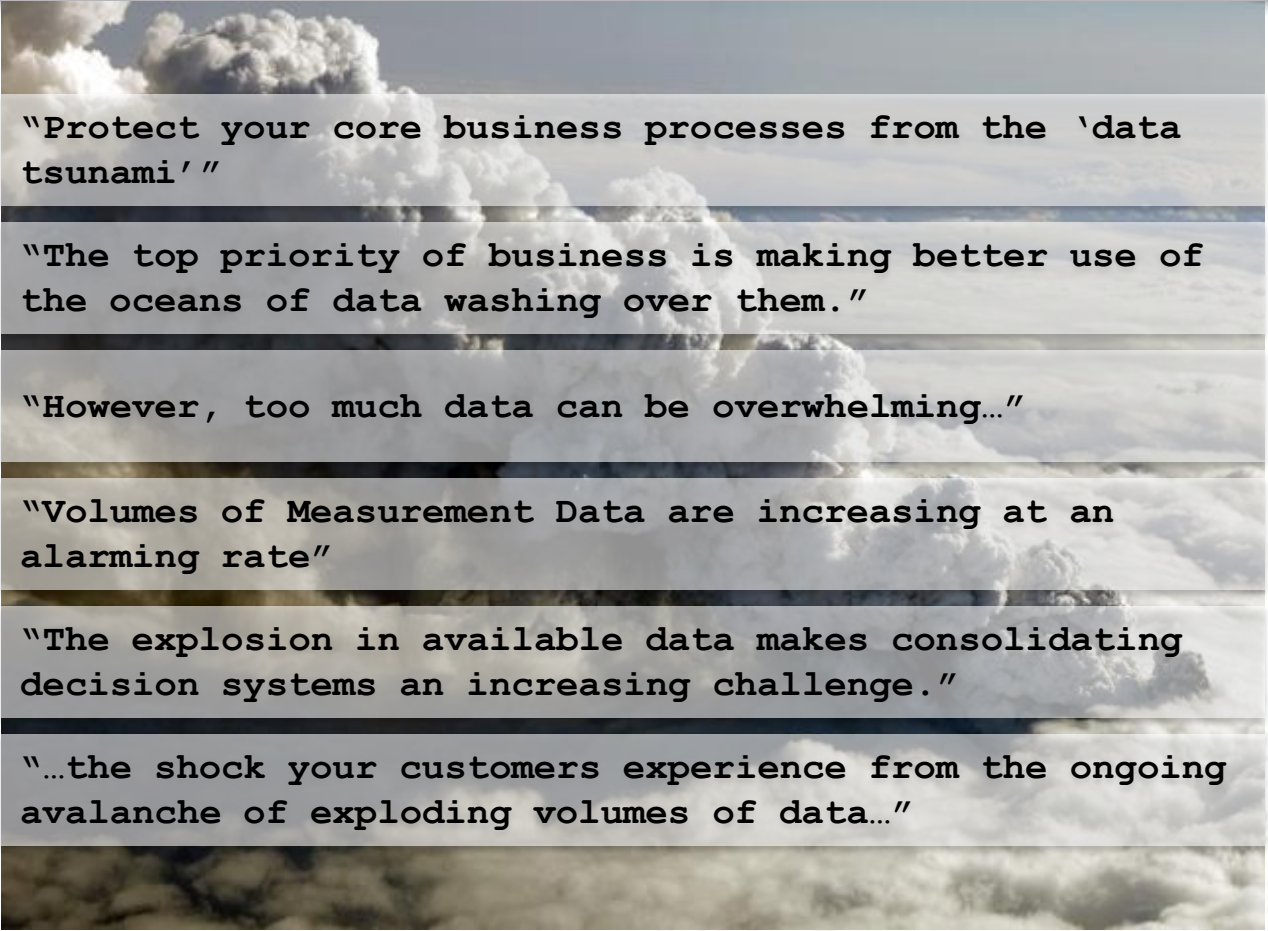
**OSIsoft®**

**UC2010**

**Real Time Information — Currency of the New Decade**

Hilton San Francisco Union Square | San Francisco, CA

**April 26-28, 2010**



"Protect your core business processes from the 'data tsunami' "

"The top priority of business is making better use of the oceans of data washing over them."

"However, too much data can be overwhelming..."

"Volumes of Measurement Data are increasing at an alarming rate"

"The explosion in available data makes consolidating decision systems an increasing challenge."

"...the shock your customers experience from the ongoing avalanche of exploding volumes of data..."

# BC Hydro Power Supply



## Power Supply Mission

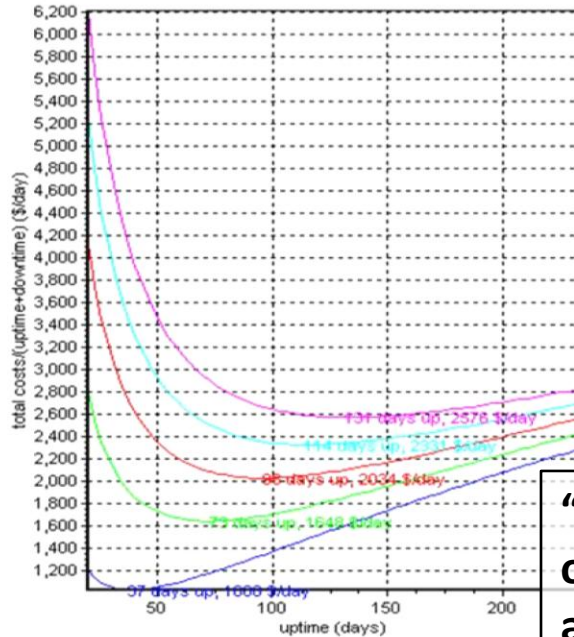
To be the supplier of choice by providing our customers with **competitive** energy products and services while being **profitable** and **socially responsible**.

## Vision Statement

Power Supply will **compete profitably** in any energy market structure.

E1008A-D Cleanout costs=\$1.5e+004 CleanUnitValue/day=\$5777

0 hours down 48 hours down 96 hours down  
144 hours down 192 hours down



E1008A-D ShutdownLoss/day=\$1.25e+004 Last CleanOutDate=01-Sep-1997

0 hours down 48 hours down 96 hours down  
144 hours down 192 hours down



**“All parts of our business have large repositories of business and process data. Access to this data and the ability to integrate it is easier and easier. How do we turn it into Information?”**



# PI Helps Control Production Costs

Controllable Cost	Units	Actual	Target	Design	Deviation from Target (Btu/Kwh)	Cost (\$/Shift)	Total (\$/Shift)
Main Steam Pressu	PSIG	1,985	2,000	2,000	-50	\$6.48	\$0
Main Steam Temperat	F	976	962	1,050	-50	\$32.04	\$2
1st RH Steam Temperat	F	976	948	1,050	-50	\$59.76	\$3
1st Reheat Attemperat	lb/hr	1,079	0	0	-50	\$1.86	\$0
Excess Ai	%	21.4	19.8	14.0	-50	\$20.86	\$1
Exit Gas Temperatu	F	359.4	329.7	305	-50	\$150.12	\$17
Steam Coil Air Heaters	klb/hr						
Condense	in. of HG	1.13	0.92	0.77	-50	\$64.98	\$8
HP Feedwater Heate	Btu/Kwh	5.2	0	0	-50	\$8.61	\$1
LP Feedwater Heaters	Btu/Kwh						
Auxiliary Powe	Mw	14.33	16.08	15.41	-50	\$186.90	\$13
Total Operator Controllable C					-50	\$25.79	\$6

VALUE NOW, VALUE OVER TIME



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# Thank you

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