DAKOTA FLUID POWER

COMMITTED TO CUSTOMER SUCCESS

BLUEPRINT WORKSHEET

COMPRESSED AIR INSIGHTS

SUPPLY SIDE SYSTEM WORKSHEET

Supply Side Efficiency Rating	Rating	Enter Value for Each Condition That Applies	
Rotary/Recip Control Mode		0	VSD or Variable Displacement
		3	Load/Unload
		8	Modulation
Dry Storage Note Exact Size:		0	10 Gallons/ CFM of Largest Compressor
		1	5 Gallons/ CFM of Largest Compressor
		2	3 Gallons/ CFM of Largest Compressor
		4	2 Gallons/ CFM of Largest Compressor
		6	1 or less Gallons/ CFM of Largest Compressor
Wet Storage Note Exact Size:		0	10 Gallons/ CFM of Largest Compressor
		1	5 Gallons/ CFM of Largest Compressor
		2	3 Gallons/ CFM of Largest Compressor
		4	2 Gallons/ CFM of Largest Compressor
		6	1 or less Gallons/ CFM of Largest Compressor
Multiple Compressor Sequencing		0	PLC Based Rate of Change Automation
		2	Compressor Manufacturer Network Sequencer
		4	Pressure Switch Sequencer
		6	None - Manual Rotation
Compressor & Equipment Maintenance		0	Professional Service Contract
		1	In-house Preventative Maintenance
		3	Repair Only Maintenance
		6	Repair Only Maint.; Experiencing Reliability Issues
Compressor Room Conditions (Use all that apply)		0	Clean and Well Ventilated
		2	Elevated Temperatures
		2	Dusty or Dirty Air
		2	Poor Cooling Water Treatment
Air Treatment - Dryers		0	Cycling Refrigerated Dryers
		1	Non-cycling Refrigerated Dryers
		2	Heat of Compression Dryers
		4	Heated Blower Desiccant Dryers
		6	Heated Desiccant Dryers
		10	Heatless Desiccant Dryers
Condensate Drain Losses		0	All Demand Style Drains Well Maintained
		2	Mix of Demand and Solenoid Drains
		4	Timed Solenoid Drains
		6	Partially Open Valves or Drain Bypasses
Demand Regulation		0	E I/P
		5	P I/P
		10	No Demand Regulation
Total Supply System Rating		(Add up all ratings above)	

DEMAND SIDE WORKSHEET

Demand Side Efficiency Rating	Rating	Enter Value for Each Condition That Applies	
System Pressure Note		1	100 - 114 psig Plant Header Pressure
		3	115 - 124 psig Plant Header Pressure
		5	125 < psig Plant Header Pressure
Blow Off Applications		0	No Compressed Air Blowing or Use Low Pressure Blowers Only
		2	Minimal Blowing Applications Using Engineered Nozzles
		5	Some Compressed Air Blowing Using Tubing or Pipe Manifolds
		8	Significant Use of Comp Air Blowing on Product or Equipment
Inappropriate or Inefficient Uses		0	No Inappropriate or Inefficient Uses Identified
		2	Vacuum Generators and Venturis Driven by Compressed Air
		2	Sparging, Mixing of Liquids with Compressed Air
		2	Vibrators or Agitators Powered by Compressed Air
		2	Other: Diaphragm Pumps, Filter Presses
		4	Large or Multiple Pulse Type Baghouses or Dust Collector
		5	Conveying of Material with Compressed Air (not blowers)
		7	Significant Use of Air < 45 psig but Compressed to > 90 psig
Leak Management		1	Aggressive Leak Repair Program Including Ultrasonic Scanning
		3	Semi or Annual Leak Repair Effort
		5	No Leak Management but Do Repair Large or Obvious Tasks
		7	Minimal Effort on Leak Repairs
Total Demand Side Rating		(Add up all ratings above)	

Compressors:

Model #: _____

Serial #: _____

Model #: _____

Serial #: _____

Dryers:

Model #: _____

Serial #: _____

Model #: _____

Serial #: _____

Filters:

Model #: _____

Serial #: _____

Model #: _____

Serial #: _____

Contact Information:

Company Name: _____

Contact: _____

Address: _____

Phone: _____

Email: _____

Efficiency Rating Conducted By:

Name: _____

Company Name: _____

Phone: _____

Email: _____