

# COMPRESSED AIR MANAGEMENT

*Is it time for an Air Audit? Your local utility will help!*

## WHAT IS INVOLVED?

An air demand analysis makes use of data loggers and precision sensors to create a detailed air usage flow profile of your facility. It is used to chart airflow, power consumption, and system pressure during normal operating hours.

This creates a profile of the air requirements and plant demands during normal production and non-production times. Using this data, a SKEANS specialist will identify areas for improvement.

## WHAT YOU WILL GET

SKEANS will build a formal air audit report, complete with an executive summary showing current case operation and associated annual costs vs recommended options with return on investment solutions.

With this final report, your facility will identify if your compressed air system and equipment can be upgraded or improved. You can then submit the SKEANS report to your local utility company for evaluation and funding on the project.

## THE SKEANS ADVANTAGE

SKEANS' factory trained specialists are ready to provide service and solutions 24/7.

SKEANS prides themselves in offering the latest technology in compressed air, so you can operate your facility in the most efficient and effective manner possible.

SKEANS helps you decide on the best type of air audit for your system. Audits can be customized to meet your needs.

\* Compressed Air Challenge Certified.

## THE WALK THROUGH AIR STUDY

A SKEANS specialist\* will perform a plant tour/inspection noting various inefficiencies or leak points along with preparing a report with recommendations for management that is accepted by utility companies.

### COST ESTIMATE:

- **4 hours on site - \$1,500**
- **8 hours on site - \$2,500**
- **Leak Detection & Reporting - \$1,500** (This process provides a report to help reduce the air leak load and maintain the savings)

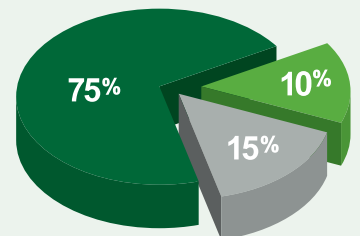
## AIR SYSTEM SUPPLY & DEMAND AUDIT

A SKEANS specialist\* will do a full system audit using power and pressure data loggers, as well as mass flow meters to record "actual" plant flow consumption throughout the facility.

Graphs and charts are prepared showing 24hr/day usage and all leaks are recorded. A comprehensive report complete with an executive summary is prepared.

**Over a 10-year period the total cost of a compressor can be split:**

- **Electricity Cost**
- **Purchase/Capital Cost**
- **Total Care Servicing**



**CALL SKEANS NOW TO BOOK YOUR AIR SYSTEM AUDIT**

## NEW!

### BC Hydro's Small Industrial 40-300HP Program (SIP):

\$1,500/audit for time on site, management report and sending in application to BC Hydro for incentive funding. BC Hydro is providing up to 75% of total project or to buy the project down (ROI) to just one year.

### Utility Large Industrial 300HP & Above:

\$1,000/day on-site, plus \$10,000 for equipment usage and management report. Plus travel expenses.

### For More Information:

[bchydro.com/powersmart/business/programs/project-incentives/sip.html](http://bchydro.com/powersmart/business/programs/project-incentives/sip.html)

## OUR PARTNERS



## CUSTOMER AUDIT CHECKLIST:

- Does your air system pressure drop to critical levels at any part of the day?
- Do you have air quality/wet air problems in the plant?
- Do you run additional compressors just to keep the pressure up?
- Are there pressure losses ONLY in certain areas or certain times of day?
- Do you run a desiccant dryer in a plant that has a higher than 2°C ambient temperature?
- Do you have excessive air leaks or 'cracked' drains to remove moisture in the lines?
- Are you aware of what a compressed air system can cost the plant? Typically 25% of the total plant energy bill
- Do you know what a compressed air leak costs? And what the total leaks cost the plant?  
**1/8" hole = \$20,000/yr**
- Do you think the equipment you have is too big for what you need?
- Do you understand how your bag house is set-up?

If you answered YES to any of these questions, then you should consult with SKEANS to have a system audit done in your plant and have funding available for new efficient equipment.

Ask about our permanent flow meter installation program; monitor your air system 24/7!

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