



SUSTAINABILITY AT K.E.I.

“Development that meets the needs of the present without compromising the ability of future generations to meet their own needs”

SUSTAINABILITY: NOT JUST ENERGY

- Economic performance
- Health and safety
- Labour rights
- Business ethics
- Customer satisfaction
- Etc.

Started as a Survival Tool

- Kuntz Electroplating like others has been badly battered by the U.S. dollar, steep commodity prices (nickel, copper), the automotive slump and high energy costs.
- Goal is 3% reduction per year in electricity, gas and water for next 5 years.
- 3% equates to over \$100,000. savings

THE FUTURE

- A Sustainability Plan will soon become a prerequisite of doing business with a lot of companies.
- Harley Davidson has already asked for ours.
- A new Energy Management Standard- ISO 500001- is in the works. Sustainability will be at the core of it's requirements.

The Present

- Preparing to do a full energy audit.
- Have started a complete lighting refit: 300 metal halides to be replaced with T-8's.
- Limit switches being used to run air blowers only when needed.
- Our cogen system is used only in the DR3 program; this has allowed us to combine 2 cooling tower loads into 1 tower.

VSD Compressor Install

- Total cost of compressor \$58,972.00
- Installation costs \$12,871.50
- ERIP rebate \$28,737.40
- Projected energy savings \$57,354.00 per year
- Approx. 1 year payback

Added Benefits

- Consistent air pressure gives better paint quality.
- Polishing compound guns are lasting longer.
- Old compressor was water cooled. New compressor is air cooled; we will recover the waste heat during the heating season.
- Compressor display shows average output in percent; makes it easy to detect air leaks.