Intake Air

- Outside air (especially in Upstate NY) is on average, cooler and denser than indoor air and therefore requires less energy to compress.
  - Average Facility Temperature: 70°F (Although mechanical rooms are usually hotter!)
  - Average Outdoor Temperature: 45°F

Line Pressure

- Many facilities run their air compressors at a higher pressure than is actually needed.
- Dropping the line pressure to the minimum required by the facility results in significant energy savings.
- Regular maintenance including changing filters and repairing leaks helps to decrease the pressure drop between the compressor supply and demand.

Inappropriate Air Use

- Compressed Air is Expensive!
- Should NOT be used for
  - Cleaning
  - Cooling (personal A/C)
  - Drying
  - Open Blowing
- Using a mechanical device is a little trickier but much more cost effective!

Leaks

The number one source of wasted energy!

- Up to 20% of compressed air wasted
- Cause pressure drop throughout system
- Affect production
- Shorten system life

Look how much a facility running a compressor at 110 psi 24/7 and an electricity cost of 8 ¢/kWh, is losing!

- $627
- $2,614
- $10,350

Approximately 2.5% power decrease for every 5 psi reduction!