



QuadCoolTM Integrated CoGen, Refrigeration and Wash Down Water Heater

- > Integrated system design means that EVERY sub-system will provide maximum benefit for operating efficiency and environmental release reductions
- > CoGen module will support process thermal PLUS provide energy for absorption chiller that will replace compressors AND is a heat pump that produces very hot water (stored for wash down)
- > Elimination of compressors also eliminates old evaporative condensers and their corresponding water usage
- > 140F water from chiller condenser will be boosted to 200F and stored in tanks for end-of-day cleaning and wash-down
- > **Total Energy Usage will be reduced by at least 50%, likely more plus significant %-age of total water usage will be saved.**
- > **CO₂ and NO_x savings will be 50%-60% of normal.**