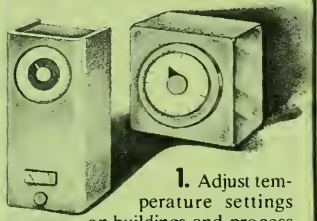
More Energy Conservation Tips From PG&E

16 WAYS BUSINESS & INDUSTRY CAN CONSERVE ENERGY

IMPROVE USE OF YOUR EQUIPMENT



1. Adjust temperature settings on buildings and process thermostats to reasonable levels.

2. Rearrange production schedules so process equipment is used for continuous periods of operation. You'll avoid numerous short runs and minimize heat-up losses.

3. Shut down or idle equipment at holding temperatures when production is interrupted (especially weekends).

4. Properly adjust burners for most efficient combustion.

GET BETTER HEAT CONFINEMENT

5. Tighten and plug heat leaks in pipes, furnaces, ovens and boilers. Check insulation on pipes conveying steam and hot liquids, too. Perform preventive maintenance regularly: clean and test relays and motor control equipment.

6. Maintain proper flame geometry in impingement heating jobs.

7. Reduce building heat losses by sealing cracks, weatherstripping and insulating around exterior windows. Also, replace broken windows and limit fan exhaust to actual requirements.

DIMINISHING FUEL SUPPLIES & RISING COSTS MAKE IT IMPERATIVE THAT BUSINESS & INDUSTRY (NOW ABOUT 44% OF OUR TOTAL ENERGY LOAD) FIND WAYS TO CONSERVE GAS AND ELECTRICITY.

IN MANY PLANTS, BUILDINGS AND OFFICES, IMMEDIATE ENERGY SAVINGS CAN BE REALIZED WITHOUT SIZEABLE NEW INVESTMENTS. SIMPLE ADJUSTMENTS CAN SAVE ENERGY. IMPROVED & UPGRADED EQUIPMENT CAN SAVE EVEN MORE. HERE IS A STARTER LIST OF 16 WAYS BUSINESS & INDUSTRY CAN CONSERVE GAS & ELECTRICITY AND SAVE MONEY.

PERFORM REGULAR MAINTENANCE

8. Re-use the heat you've already paid for by installing thermal recovery units.

9. Confine heat by insulating, repairing furnace linings, and reducing openings on equipment such as heated ladles or furnaces. Add reflective heat shields.

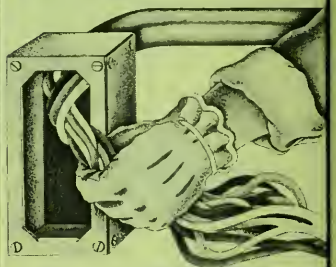
10. Clean both sides of heat transfer barriers to remove scale sludge, oxidation or refractory buildup.

11. Check valves, fittings and connections to avoid wasteful leaks.

12. Prevent heat loss by replacing furnace linings that have deteriorated.

UPGRADE YOUR PRESENT EQUIPMENT

13. Beware of inadequate wiring and lighting usage. If overloaded circuits and inadequate wiring cause a loss of even 10% of equipment voltage, your motors can lose 19% of their power. Your bulbs and lamps, up to 30% of their light.



14. Install automatic controls that improve efficiency, minimize downtime and reduce spoilage.

15. Use capacitors to improve your power factor.

16. Use properly sized conductors, higher efficiency motors, and more efficient fluorescent or high intensity discharge lighting (rather than incandescent).

For more information, contact a consulting engineer, a mechanical contractor or the nearest PG&E office. We'll be glad to work with your consulting engineer to help conserve energy and reduce your gas and electricity bills.

PG and E