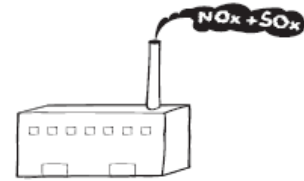


# ENVIRONMENTAL FOOTPRINT COMPARISON TOOL

*A tool for understanding environmental decisions related to the pulp and paper industry*



EMISSIONS TO AIR

## EFFECTS OF DECREASED ENERGY CONSUMPTION ON EMISSIONS TO AIR

### SO<sub>x</sub>

Typically, all other things being equal, the amount of SO<sub>2</sub> released during the burning of fuels is directly related to the amounts of fuel burned. Therefore, in almost all cases, when you reduce energy consumption you lower fuel use. There are a few situations where reductions in energy use may increase SO<sub>2</sub> emissions. One of note involves switching from wood fuel or natural gas to higher sulfur oil or coal. Oil and coal generally burn more efficiently than wood or natural gas so less fuel is needed, even though more SO<sub>2</sub> may be emitted.

Understanding the actual impacts of energy conservation on SO<sub>2</sub> emissions requires understanding the specific situation at the mill where the reductions are taking place. More information on SO<sub>x</sub> can be found in the [SO<sub>x</sub> and NO<sub>x</sub>](#) section.