### About the IWT Program

ISTC’s technical assistance group provides unbiased, professional water treatment advice to facilities equipped with institutional water systems including:

- cooling towers,
- chillers,
- boilers,
- and more.

The program assures public health and safety in addition to substantial annual savings in costs of chemicals, energy, water, and maintenance in industrial and potable water systems.

### What happens when systems do not have proper treatment?

If an institutional water system is not properly managed, several negative impacts will occur:

- Pipes corrode by pitting and losing thickness.
- Scale builds up.
- Biological growth can become a health hazard.
- Excessive water and energy use due to scaling and corrosion can impact the bottom line.

The board to the side displays the expansive range of negative impacts on institutional water systems that were not properly maintained.

### How is proper treatment determined and maintained?

IWT offers on-site training and seminars, provides chemical specifications, and makes recommendations based on a comprehensive analysis of each client’s institutional water system for control of corrosion, mineral scale formation, and biological growth. The comprehensive system analysis includes field and laboratory tests that check for pH, conductivity, treatment chemicals, metals, and biological growth. In addition, corrosion coupons are inserted into the water system for several months to determine the rate of metal loss, pitting, and color change that may be occurring in the system pipes.

Find out more: istc.illinois.edu/techassist/iwt