



CONTROLLING HAZARDOUS ENERGY

UW employees who service, repair or maintain equipment, machinery or systems should control hazardous energy with lockout/tagout practices and procedures.

WHAT ARE HAZARDOUS ENERGY SOURCES?

Hazardous energy sources include:

- Chemical/fuel
- Electrical (hardwired)
- Electromagnetic
- Hydraulic
- Gravitational
- Kinetic
- Mechanical
- Pneumatic
- Pressure/vacuum
- Radioactive
- Rotational
- Thermal

Each of these energy sources have the potential to cause an **injury or fatality** if a person comes into direct contact with it.

WHAT ACTIVITIES COULD PUT ME AT RISK?

Servicing, repairing or maintaining equipment, machinery or systems may include any of the following activities:

- Adjust
- Clean
- Construct
- Install
- Inspect
- Lubricate
- Modify
- Setup

These activities may cause a person to come into direct contact with a hazardous energy source.

HOW DO I CONTROL HAZARDOUS ENERGY?

Lockout/Tagout practices and procedures are used to safeguard UW employees from the unexpected energization or startup of machinery or equipment, or the release of hazardous energy, during service or maintenance activities.

LOCKOUT/TAGOUT IS A REGULATORY REQUIREMENT THAT COMPLIES WITH:

- > UW Administrative Policy Statement 12.6
- > Washington Administrative Codes (WAC 296-803, WAC 296-155-429, and WAC 296-24-975)

WHAT IS LOCKOUT/TAGOUT?

Lockout/Tagout procedures involve:

- Using a **lockout device** to prevent the unexpected energization of a hazardous energy source during service, maintenance or repair
- Using a **tagout device** to warn affected persons to not reenergize the equipment or machinery during service, maintenance or repair



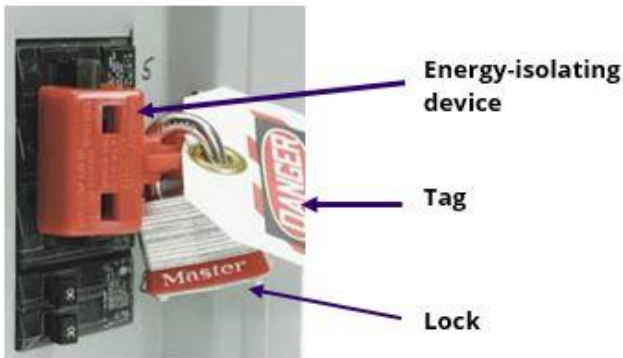
Lockout device



Tagout device

WHAT DO I NEED TO DO?

1. Register for the lockout/tagout **safety training course** on the [EH&S website](#).
2. Review the [UW Lockout/Tagout Program Manual](#).
3. Find out if your department has a **department-specific lockout/tagout plan**.
4. Each time maintenance or repair work is performed, **document the procedure** using the [Lockout/Tagout Hazardous Energy Control Procedure Form](#).
5. **Review** lockout/tagout procedures annually.



50,000

Injuries are prevented each year from workers using lockout/tagout procedures.

AM I REQUIRED TO USE LOCKOUT/TAGOUT?

Review the items below and **check the boxes** next to the items that apply to you.

If all three boxes are checked, you might need to be in the Hazardous Energy Control-Lockout/Tagout program.

If <u>all</u> are checked, you might need lockout/tagout:	
<input type="checkbox"/>	You service, repair or maintain department-owned equipment, machinery or systems. <i>(Includes constructing, installing, setup, adjusting, inspecting, modifying, lubricating, or cleaning; Troubleshooting activities are exempt)</i>
<input type="checkbox"/>	The equipment, machinery or system has at least one hazardous energy source . <i>(Includes chemical/fuel, electrical, electromagnetic, hydraulic, gravitational, kinetic, mechanical, pneumatic, pressure/vacuum, radioactive, rotational or thermal)</i>
<input type="checkbox"/>	The equipment, machinery or system is hardwired and cannot be unplugged. <i>(Cord-and-plug equipment are exempt)</i>

GETTING STARTED

EH&S has training and resources to help you establish your lockout/tagout program, practices and procedures.

Get started by reviewing the [Hazardous Energy Control page](#) on our website.

Contact the Hazardous Energy Control program at 206.543.7388 for more information.