



Wright, Jennifer <jennifer.wright@dnr.iowa.gov>

P2 News

1 message

State Of Iowa <StateOfIowa@public.govdelivery.com>
Reply-To: StateOfIowa@public.govdelivery.com
To: jennifer.wright@dnr.iowa.gov

Thu, Jul 20, 2023 at 1:05 PM

Having trouble viewing this email? [View it as a Web page.](#)



- [Boiler Best Practices](#)
- [Upcoming events](#)

Boiler Best Practices



As we go into the peak of summer, boilers are often forgotten unless they are being used for production. Facilities that have a dedicated boiler for space heating may not think about the boiler being used or maintained until it's time to turn it on again. This month we are going to focus on preventative maintenance and efficiencies within boiler systems.

1. Summer could be the best time to look at doing the annual boiler inspections and cleanings especially for a boiler only used for space heating. Ensuring the heat transfer areas of the boiler are clean increase the efficiency for more effective heat transfer throughout

the boiler. Scaling is one of the major causes of lost efficiency in boiler systems. [Check out this article to see how scaling effects boiler efficiency.](#)

2. [Insulation \(pdf\)](#) is commonly left out of the equation when it comes to boiler efficiency. Taking the time this summer to investigate insulation specifically for the boiler itself and anything immediately near the boiler. Valves are often left out as well because the insulation can be time consuming to replace when maintenance is needed.

3. Preheating the water going into the boiler can reduce the amount of energy needed to heat the water to desired temperature. Installing an economizer is one way to achieve this. Economizers utilize the hot flue gas to heat the feed water.

These are just a few best management practices when it comes to boilers. Check out these other resources for other ideas on how to increase the efficiency of your boiler:

- [Department of Energy](#)
- [US EPA \(pdf\)](#)
- [EnergyStar \(pdf\)](#)
- [ChemREADY](#)
- [Rasmussen](#)

The P2 Services technical staff is also available to assist you with boiler efficiency opportunities and assessments. For more information contact P2Services@dnr.iowa.gov.

Upcoming events

September 6 [2023 IAWEA Operators/Pretreatment Conference](#) Newton

September 14 [Congratulations, You're in charge of a Continuous Improvement project](#) Ames

October 2-4 [ISOSWO Conference](#) Waterloo

October 4 [Iowa Manufacturing Conference](#) Ankeny

November 7-8 [Iowa Energy Summit](#) Altoona

January 10-11 2024 [IOWWA Conference](#) Cedar Rapids

Learn more about our program at www.iowap2services.com.



Subscriber Services: You are currently signed up to receive messages from the Iowa Department of Natural Resources. Manage your subscription preferences, unsubscribe, or get further help.

[Manage Subscriptions](#) | [Help](#)

This email was sent to jennifer.wright@dnr.iowa.gov using GovDelivery Communications Cloud on behalf of: [State of Iowa](#) · 1007 E Grand Ave · Des Moines, IA 50319

