

Responding to DOE Regulations on the Heat Treating Industry



The effort to stem global warming/climate change must be tempered by open discourse on the efficacy of proposed regulations. Until we have the technology in place to accomplish decarbonization without eviscerating our industrial, transportation, and power industries, we must slow down the indiscriminate steps that the U.S. Department of Energy has laid out for heat treaters. Utilize this one-page resource to let governmental officials know what our industry is, who we are, who we employ, and the effect this effort has in regulating us out of business.



Heat Treating's Impact on Society:

Heat treating is a thermal process in manufacturing that drives the world. It is a process that impacts all members of society from birth to death, all day every day by making metals stronger, flexible and long lasting.



Who do we serve?

- We service every industry that is crucial to our way of life, including our national defense.
- These industries include:

| | |
|----------------|--------------|
| Steelmaking | Military |
| Transportation | Medical |
| Aircraft | Construction |



Who are we?

- We are metal heat treaters.
- We have both a captive component embedded in major manufactures and a commercial component that services the needs of industries in-house heat treaters cannot fulfill.
- We are present in all 50 states.
- All in all, we account for some \$30 billion in industrial output, with estimated employment at over 150,000 people.



What is the Industrial Decarbonization Initiative?

- It is an initiative by the Biden administration to reduce greenhouse gas emissions by 85% by 2035 and achieve net zero by 2050.
- It tasks the DOE and the EPA with promulgating regulations to achieve this.



What do we do?

- We provide the technical service of heat treating that strengthens metals, making them strong, tough, and resistant to failure.
- Bridges and buildings stand, aircraft fly, transportation systems run, national defenses are strong, and artificial medical prosthetics work all because of what heat treaters do.



What does it mean for the heat treat industry?

- The elimination of natural gas as a fuel source by 2035 — and its replacement with either green hydrogen or green electricity — has the potential to escalate energy costs by a factor of 15, which is not sustainable.
- It will require complete revision of the heating apparatus of our furnaces. The costs of which are yet to be determined, but will surely be very high.

Slow down this effort. Wait until we have developed the necessary technologies.

Provided by:

Metal Treating Institute Regulatory Impact Task Force

Chaired by: Michael Mouilleseaux, General Manager, Erie Steel Ltd.

Established in 1933, the Metal Treating Institute is the largest non-profit network of heat treaters in the world.

