

# Shoptalk

FALL 2022

**MAKE MONEY**  
WITH THE NEW  
CLEAN FUEL  
STANDARD

**HOST AN  
INTERN,**  
DISCOVER NEW  
SUSTAINABLE  
BUSINESS  
PRACTICES



DEPARTMENT OF  
**ECOLOGY**  
State of Washington

Publication #22-04-003



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# WHAT'S **NEW** WITH **DANGEROUS WASTE** TODAY?



# New rulemaking could clarify how we calculate the Hazardous Waste Planning Fee

MEGAN HILLYARD

We've started rulemaking to amend section 220 of Chapter 173-305 WAC, the [Hazardous Waste Planning Fee](#)<sup>1</sup> (planning fee). We calculate the planning fee using a formula that applies risk factors (such as multiplication factors) to certain dangerous wastes. In this rulemaking, we'll consider adding language that tells Ecology to use a risk factor of 1 for any individual waste stream that is both dangerous waste (DW) and state-only extremely hazardous waste (EHW).

## Why is the rule changing?

A waste's potential hazard influences the planning fee. Calculations for EHW fees use a multiplier ten times higher than for DW. The current rule doesn't say which risk factor to apply to a waste stream that is both DW and EHW. This lack of clarity leads to inequity in the fees assessed for some businesses. Businesses reporting a waste stream with both the DW and EHW codes pay higher fees than those reporting the same waste stream without the EHW code. This rulemaking considers adding language to clarify that fees for this waste stream should be assessed as DW only.

## What would these changes do?

These changes will:

- Increase regulatory transparency.
- Achieve financial equity for businesses that pay the planning fee and report both DW and EHW codes for a waste stream without changing how they manage their dangerous waste.
- Encourage accurate waste characterization and reporting.
- Convert a long-standing [interpretive and policy statement](#)<sup>2</sup> into a rule.

## Stay updated

To learn more about this rulemaking, join our [email list](#)<sup>3</sup> and visit our [Hazardous Waste Planning Fee rulemaking webpage](#).<sup>4</sup> ♦



# Recent updates to Tier Two Online

EMILY SIDLEY

**We recently made a number of updates to our Tier Two Online database platform. Tier Two<sup>5</sup> is an annual report of hazardous chemicals and extremely hazardous substances (EHS)—one of the key reports required under the Emergency Planning and Community Right-to-Know Act (EPCRA).**

## What's new with Tier Two Online

Before this past reporting season, we made these updates to our Tier Two Online reporting system:

- Added EPA's new chemical hazard categories. These provide more detailed chemical

hazard information that will help first responders.

- Re-enabled the copy chemical feature, making it easier for you to report each year.
- Updated our geolocation feature to an easier-to-use decimal degrees format.
- Added a new look-up feature for selecting your business's industry code.
- Improved user instructions.

## Tell us about your experience!

If you submit an annual Tier Two report, we'd love feedback about your experience so we can continue to make improvements. Please send your thoughts and suggestions to [TierTwoOnline@ecy.wa.gov](mailto:TierTwoOnline@ecy.wa.gov).

## Did you know?

We recently upgraded the EPCRA Mobile Viewer, too. This mobile app allows first responders to access valuable Tier Two data as they travel to emergencies involving hazardous chemicals. This is just one of the ways we use the data you report to keep your community safer. ♦





# New video series helps you find safer solvents

LAUREN TAMBOER

**Are you worried about solvents at your business? Then our new four-part video series is for you!**

Many businesses use solvents for cleaning metal, degreasing, and lots more. Solvents can have harmful effects on workers' health and the environment, but they don't have to! There are many safer replacement solvents on the market, and our team can help find what will work for you.

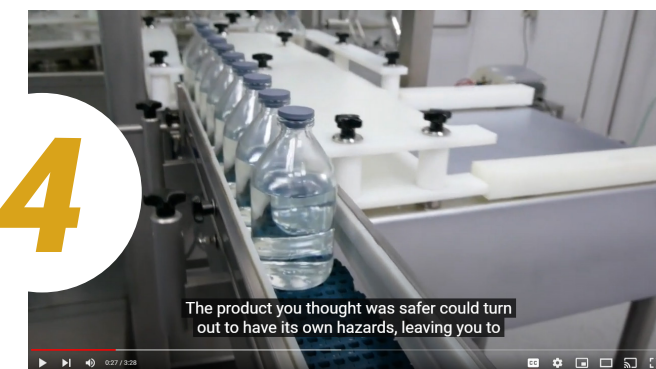
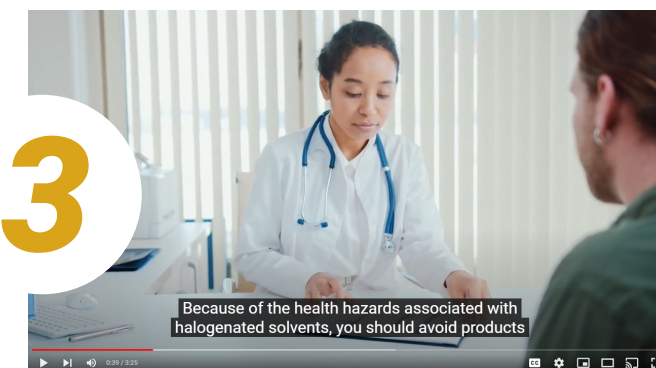
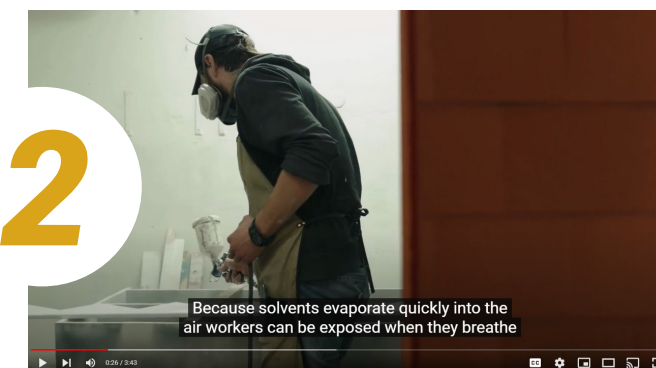
We developed a four-part video series in partnership with the Toxics Use Reduction Institute at the University of Massachusetts Lowell. We're excited to share this series to help you make the switch to safer solvent chemicals. These videos will also be available in Spanish soon. Apply the steps in these videos to any hazardous chemical you wish to replace with a safer option.

This video series supports your switch to safer solvents by:

1. Introducing you to common solvents and their uses.<sup>6</sup>
2. Outlining the hazards associated with some toxic solvents.<sup>7</sup>
3. Assisting you in identifying a safer alternative solvent.<sup>8</sup>
4. Helping you avoid switching to a more hazardous solvent.<sup>9</sup>

Do you have more questions about finding safer chemicals or looking for information beyond solvents?

- Check out our [safer alternatives webpage](#).<sup>10</sup>
- Reach out to the Safer Chemicals team at [Safer.Chem@ecy.wa.gov](mailto:Safer.Chem@ecy.wa.gov).
- Find your [local toxics reduction support staff](#).<sup>11</sup> ♦



# Make money with the new Clean Fuel Standard

REBECCA SEARS

**If your business owns or operates electric vehicles, you may benefit from Washington's new Clean Fuel Standard (CFS). The CFS creates exciting opportunities to generate revenue while reducing greenhouse gases and pollution.**

## Background

Transportation is the largest source of greenhouse gas emissions in Washington. In 2023, Washington is launching the Clean Fuel Standard, a market-based program that will:

- Reduce emissions of greenhouse gases and conventional air pollutants from transportation.
- Spur economic development through deployment of clean fuel technology. California, Oregon, and British Columbia all have similar clean fuel programs.

## Program goals

The CFS will reduce the carbon intensity of Washington's 2017 transportation fuel levels by 20 percent by 2038.

Carbon intensity accounts for greenhouse gas emissions throughout the full life cycle of the fuel, including production, transportation, and use.

## What to expect from the CFS

Ecology is drafting rules for the program, which will take effect on Jan. 1, 2023. The CFS will:

- Establish carbon intensity standards for transportation fuels used in Washington.
- Outline compliance methods, including assigning credits to fuels with carbon intensities below the standard and deficits to high-carbon fuels.
- Require deficit holders to buy credits at the end of each year to balance their account.

## Who participates?

Parties selling or importing transportation fuel with carbon intensities that exceed the standard are required to comply, while parties selling or importing transportation fuel with a carbon intensity below the standard may opt in.







## Revenue-generating opportunities

- Electric vehicle charging (non-residential): Owners of electric-charging equipment can generate credits for charging electric vehicles such as fleet vehicles, electric forklifts, and other equipment. They can sell these credits to deficit holders.
- Fuel supply capacity: Participants may earn credits for installing new fueling infrastructure, including eligible hydrogen refueling infrastructure and DC fast charging. They can also sell these credits to deficit holders.

## How to participate

- Establish an account in the online system.
- Register, maintain required records, and submit quarterly and annual reports.
- Pay a fee, with a higher proportion paid by deficit generators.
- Sell credits to generate revenue.

To learn more, go to [ecology.wa.gov/cfs](https://ecology.wa.gov/cfs) or sign up for [email updates](#).<sup>12</sup> ◆



SMALL CHANGES, **BIG** RESULTS:  
OPPORTUNITIES AND  
**SUCCESS STORIES**



# Host an intern, discover new sustainable business practices

AMY LEANG & JENNY YOO

## Could your business use an intern?

If your business is looking for pollution prevention (P2) opportunities, consider hosting an intern next summer. The Washington Applied Sustainability Internship (WASI) program just wrapped up a successful pilot year! This fall, WASI will select four new internship projects to fund for next summer.

## What do WASI interns do?

WASI is a non-regulatory summer internship program designed to link dedicated engineering, chemistry, sustainability, and environmental science students with Washington businesses. Interns research P2 opportunities at a host business to analyze, recommend, or implement process changes. Projects can cover a range of P2 topics, resulting in positive changes, including:

- Finding safer chemical alternatives.

- Reducing hazardous or solid wastes.
- Reducing water contaminants or emissions.
- Conserving energy and water.
- Increasing efficiency and cost savings.
- Improving employee health and safety.

## What WASI accomplished in year one

We partner with Washington Sea Grant to oversee the WASI program. This year, we matched two college interns with Washington businesses. For 10 weeks, they worked to create sustainable solutions for their host business. The 2022 host businesses were Harborview Medical Center and Crane Aerospace & Electronics. The program benefited both the interns and the host businesses!

The Harborview Medical Center (HMC) intern implemented a sterile blue wrap

recycling program that will recycle 19,200 pounds of plastic and save nearly \$4,000 per year (see photo on next page). UW Medicine, which manages HMC, hopes to roll the program out to other facilities.

The Crane Aerospace & Electronics intern researched safer alternatives to PFAS-containing aqueous film forming foam, or AFFF, used for firefighting. She helped Crane narrow down the alternative options so they can assess which will work best with their process and products.

## How to host an intern

Could your business use our help on your next P2 project? If you're interested in becoming a host business, please contact Jenny Yoo at [jenny.yoo@ecy.wa.gov](mailto:jenny.yoo@ecy.wa.gov).

See the [WASI webpage](#)<sup>13</sup> for more information. ♦



# HELPFUL **GUIDANCE** FOR DANGEROUS WASTE GENERATORS





## Guides

[How to Dispose of Fluorescent Light Ballast Waste that Contains PCBs<sup>14</sup>](#)  
[Keep Your Business Clean and Competitive<sup>15</sup>](#)



## Reports

[Cost Analysis for Pollution Prevention<sup>16</sup>](#)



## Posters

[The 6 Rs of Sustainable Design<sup>17</sup>](#)



## Brochures

[Healthy House, Happy Home<sup>18</sup>](#)  
[PFAS in Firefighting Foam<sup>19</sup>](#)



# UPCOMING **EVENTS & TRAININGS**

\* The following information and references are provided as a convenience only. Any reference in this publication to persons, organizations, services, or activities does not constitute or imply endorsement, recommendation, or preference by the Washington State Department of Ecology.

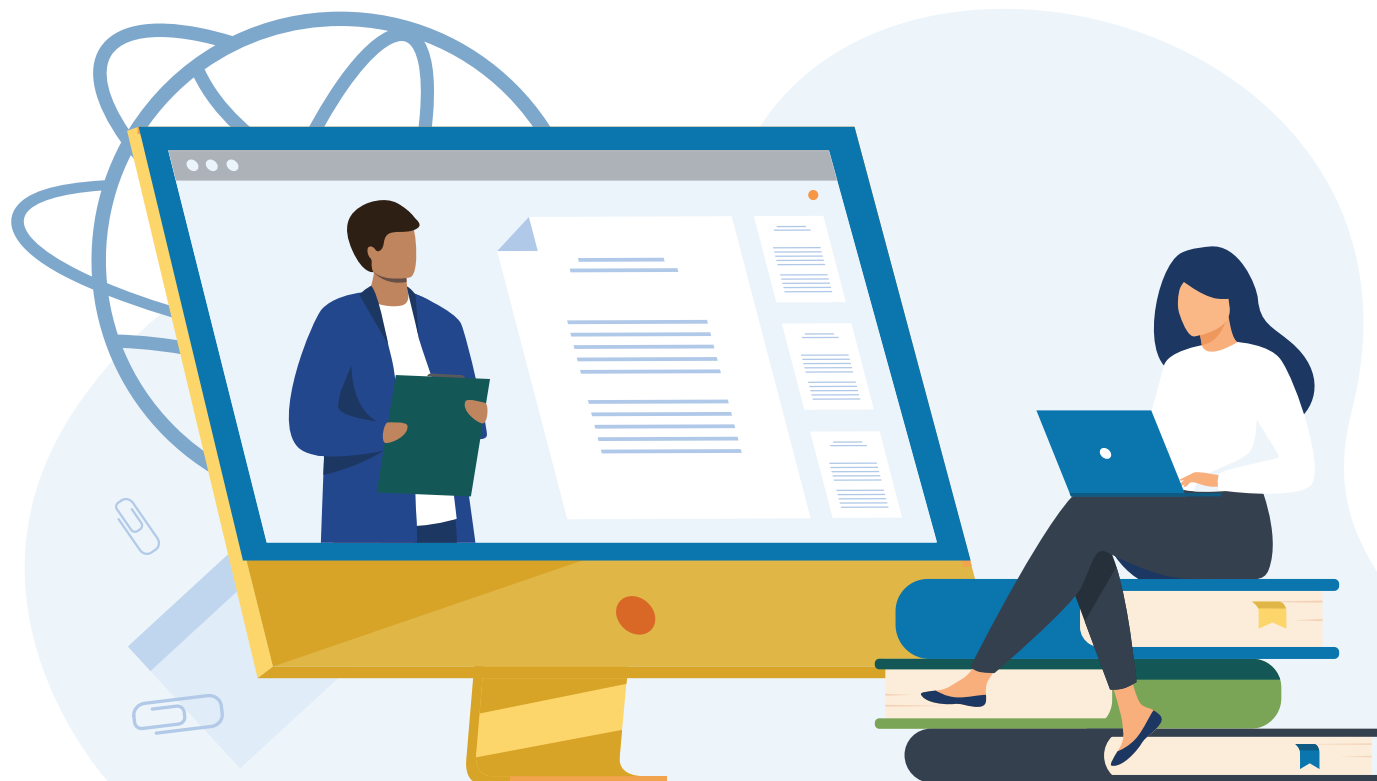
## Transitioning to Safer Chemicals<sup>20</sup>

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**When:** Dec. 8–9, 2022

**Where:** Online/Virtual

This course gives participants hands-on experience with innovative processes for transitioning to safer chemicals, as well as the new methods, tools, and databases that can assist in this process. The course will guide participants through OSHA's seven-step substitution planning process for understanding and evaluating chemical use, identifying and assessing alternatives, and implementing those alternatives that are safer.







# IMAGE CREDITS

1. Business vector created by Makyzz. [www.freepik.com](http://www.freepik.com)
2. Book stack vector created by Pch.Vector. [www.freepik.com](http://www.freepik.com)
3. Webinar vector created by Pch.Vector. [www.freepik.com](http://www.freepik.com)

# ENDNOTES

- 1 <https://apps.ecology.wa.gov/publications/SummaryPages/2104029.html>
- 2 <https://apps.ecology.wa.gov/publications/documents/2004015.pdf>
- 3 [https://public.govdelivery.com/accounts/WAECY/subscriber/new?topic\\_id=WAECY\\_239](https://public.govdelivery.com/accounts/WAECY/subscriber/new?topic_id=WAECY_239)
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- 5 <https://ecology.wa.gov/Research-Data/Data-resources/Tier-Two-Summary>
- 6 <https://www.youtube.com/watch?v=5WDSof9d3nU>
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- 8 [https://www.youtube.com/watch?v=UCkoHzD\\_FaQ](https://www.youtube.com/watch?v=UCkoHzD_FaQ)
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- 18 <https://apps.ecology.wa.gov/publications/SummaryPages/2204031.html>
- 19 <https://apps.ecology.wa.gov/publications/SummaryPages/2204037.html>
- 20 <https://osha.washington.edu/osha/course/7225web1222>



# About Shoptalk

## Publication information

Publication: 22-04-003

Issue: October 2022

## Accommodation requests

To request an ADA accommodation, contact Ecology at 360-407-6700 or [hwtrpubs@ecy.wa.gov](mailto:hwtrpubs@ecy.wa.gov), or visit [ecology.wa.gov/accessibility](https://ecology.wa.gov/accessibility). For Relay Service or TTY, call 711 or 877-833-6341.