

# Per- and Poly-fluorinated Alkyl Substances Interim Chemical Action Plan

June 6, 2018

Advisory Committee Meeting



# Per and Poly-Fluorinated Alkyl Substances (PFAS) Interim Chemical Action Plan (CAP) Webinar

The purpose of this webinar is to get feedback on the Interim CAP and discuss the schedule for the Draft/Final CAP.

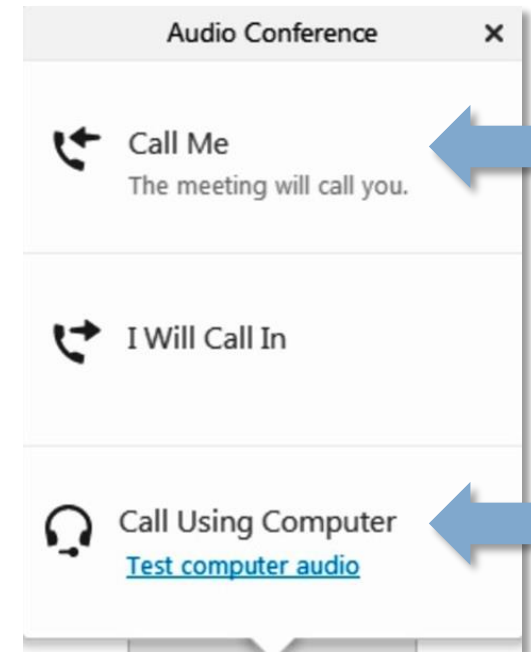
**Start time:** 1:00 p.m. (PST)

**Anticipated finish time:** 3:00 p.m. (PST)

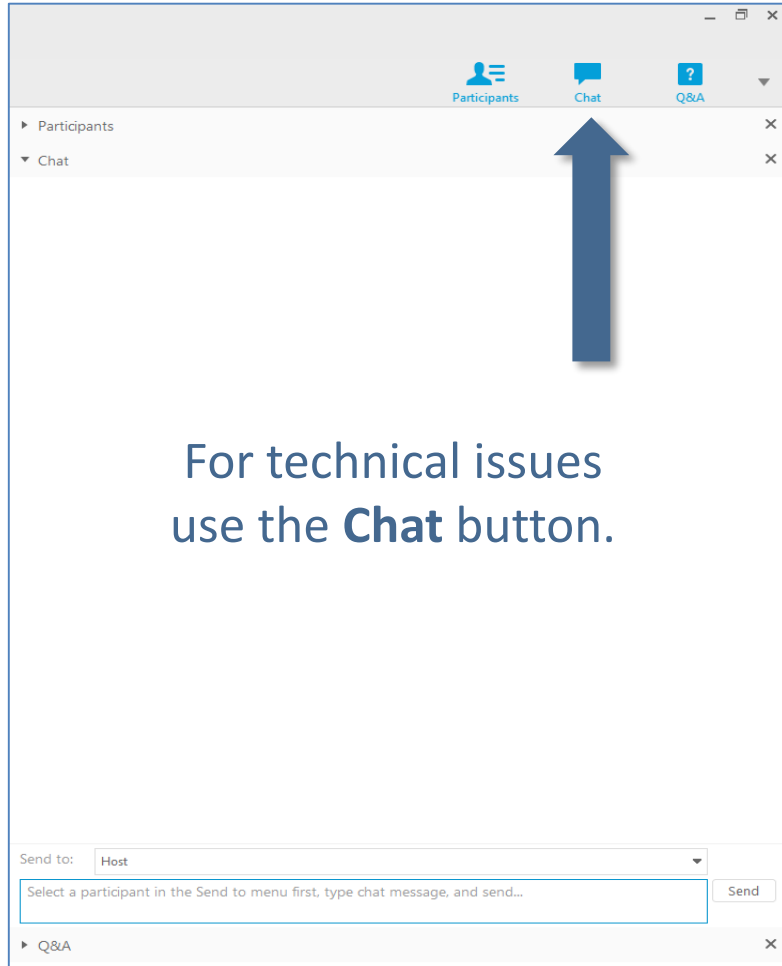
Please choose  
“Call Me” or  
“Call Using Computer”

This helps us identify you  
during our Q&A sessions.

***All lines are muted.***

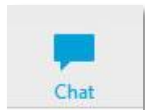


# Interim PFAS CAP - webinar will begin shortly...



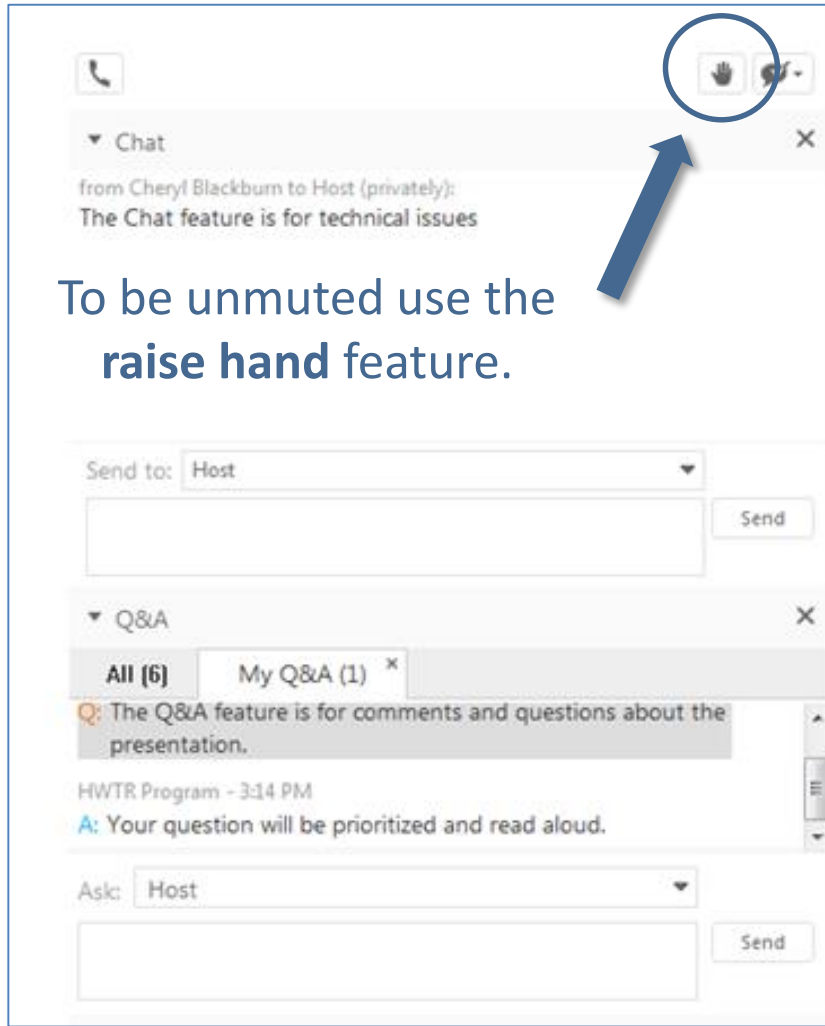
For technical issues  
use the **Chat** button.

These slides are posted on the PFAS CAP website.  
[www.ezview.wa.gov/?alias=1962&pageid=37105](http://www.ezview.wa.gov/?alias=1962&pageid=37105)

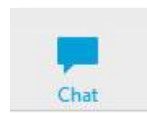


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Send your message to Maria.

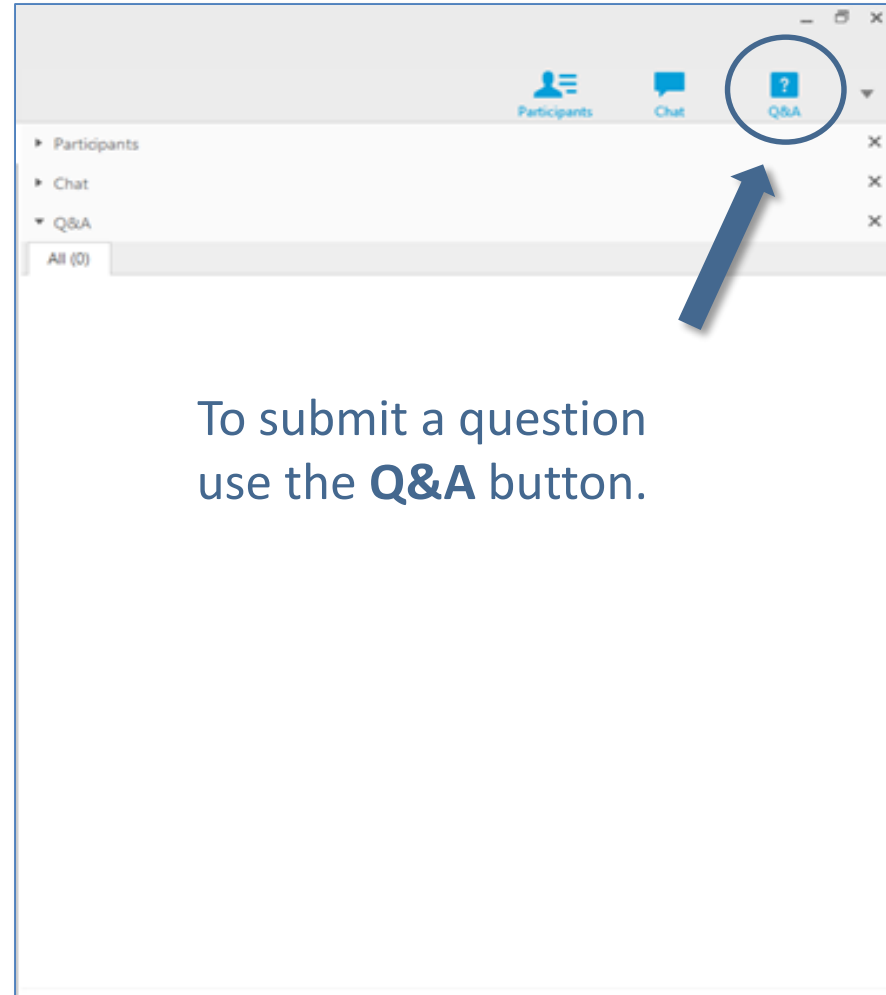
# Interim PFAS CAP - asking questions



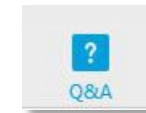
To be unmuted use the **raise hand** feature.



Use the Raise Hand feature to be unmuted to ask a question or make a comment.



To submit a question use the **Q&A** button.



Use the Q&A feature to send comments or questions about the CAP. Maria will read your comment.

# Today's Webinar



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What is a CAP?

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Interim comments

Q&A

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2018-19 CAP schedule

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Draft/Final CAP content

Q&A

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CAP recommendations



# Chemical Action Plan (CAP)

## Persistent Bioaccumulative Toxic (PBT) Rule

- Identifies, characterizes, and evaluates uses and releases of a PBT, and recommends actions to protect human health and the environment.
- Chapter 173-333 Washington Administrative Code.

More info:

- PFAS CAP website: [www.ezview.wa.gov/?alias=1962&pageid=37105](http://www.ezview.wa.gov/?alias=1962&pageid=37105)
- Ecology's PFAS webpage: <http://bit.ly/prioritytoxics-pfas>

PBT Rule in WAC 173-333: <http://apps.leg.wa.gov/Wac/default.aspx?cite=173-333>

# Steps in the CAP process

## WAC 173-333-430: Process to develop CAPs

- Plan and collect information (2016/17)
- Work with advisory committee (2017)
- Review and collect more information (2017/18)
- *Publish Interim CAP (April 2018)*
- **Comments on Interim CAP (May 2018)**
- Draft recommendations – Advisory Committee meeting (2018)
- Cost analysis webinar (2019)
- Publish Draft CAP (2019)
- Public comment/meeting (2019)
- Publish Final CAP (2019)
- Implement actions (ongoing)

WAC 173-333-430 - <http://apps.leg.wa.gov/wac/default.aspx?cite=173-333-430>

# Interim CAP Recommendations

## Drinking Water:

- Support drinking water rulemaking.
- Drinking water testing.
- Technical assistance.

## Firefighting Foam:

- Implement firefighting foam restrictions (ESSB6413).
- Survey and outreach to foam users.
- Replace PFAS foam.

## Environmental contamination:

- Develop cleanup levels – soil, groundwater, surface water.
- Investigate effective cleanup methods.

## Investigate Sources:

- Other sources of exposure.
- Firefighting PPE notification.
- Alternatives assessments, food packaging (ESHB2658).

Interim PFAS CAP - <https://fortress.wa.gov/ecy/publications/summarypages/1804005.html>





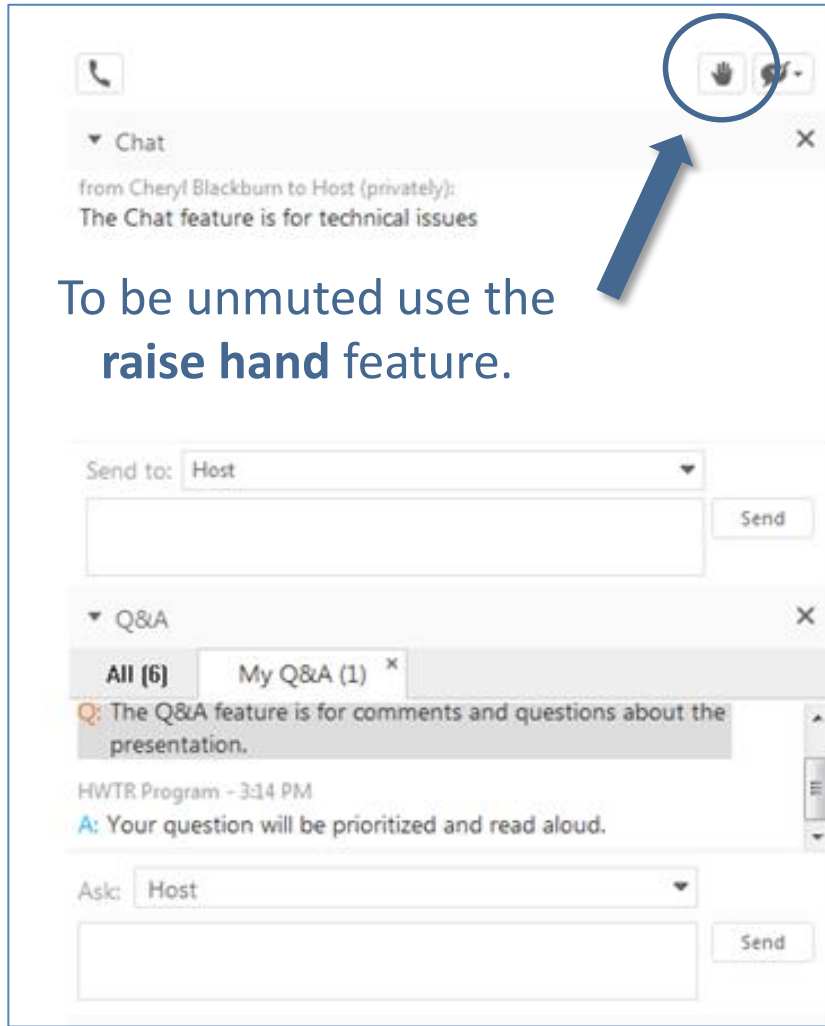
# Interim Comments

- Comment period ended May 31, 2018.
- 12 letters.
  - 6 governments
  - 1 business
  - 3 associations
  - 2 advocacy groups
- Limited Interim CAP update.
- Incorporate into Draft CAP.

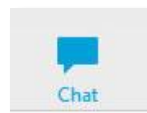


E-Comment Website - <http://wt.ecology.commentinput.com/?id=GAaDQ>

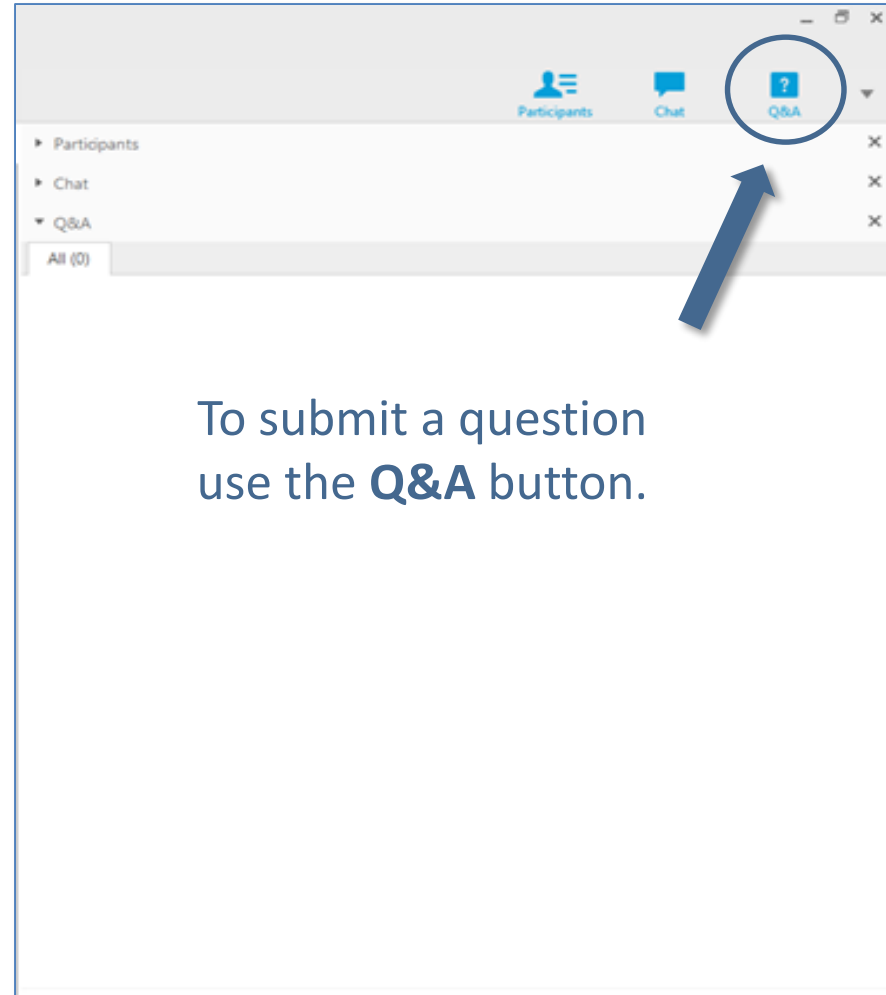
# Interim CAP – Q&A Opportunity



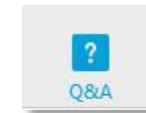
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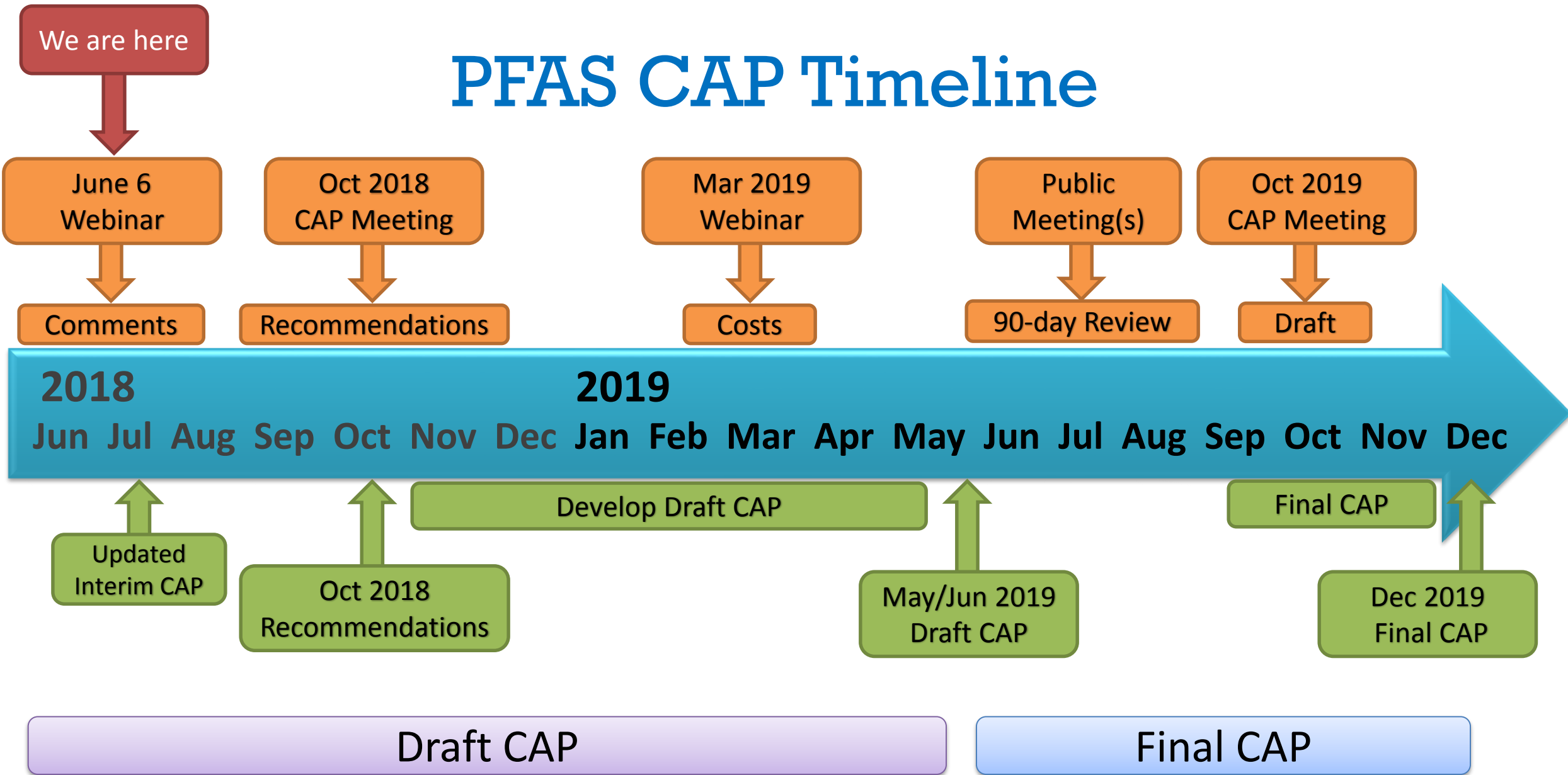


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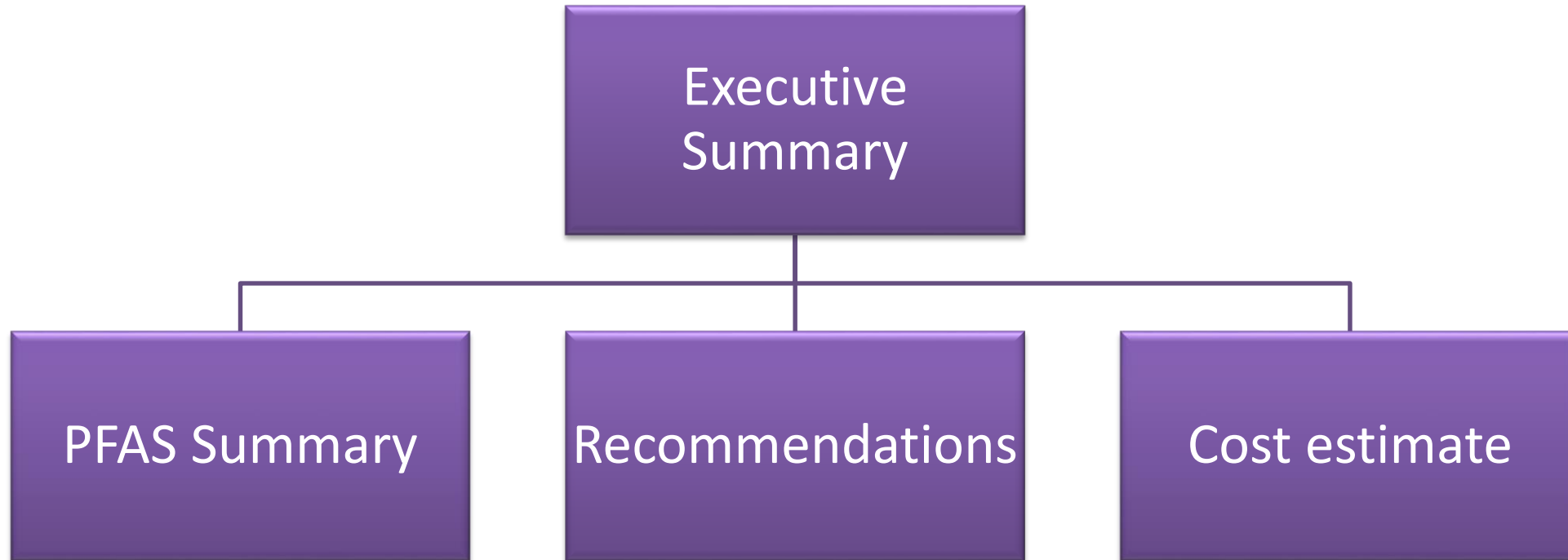


Use the Q&A feature for comments and questions about the CAP. Send your message to the host.

# PFAS CAP Timeline



# Draft/Final CAP



Supported by chapters on chemistry, health, environment, uses, regulations, biosolids, ecotoxicology, cost analysis

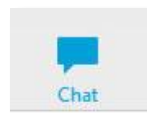
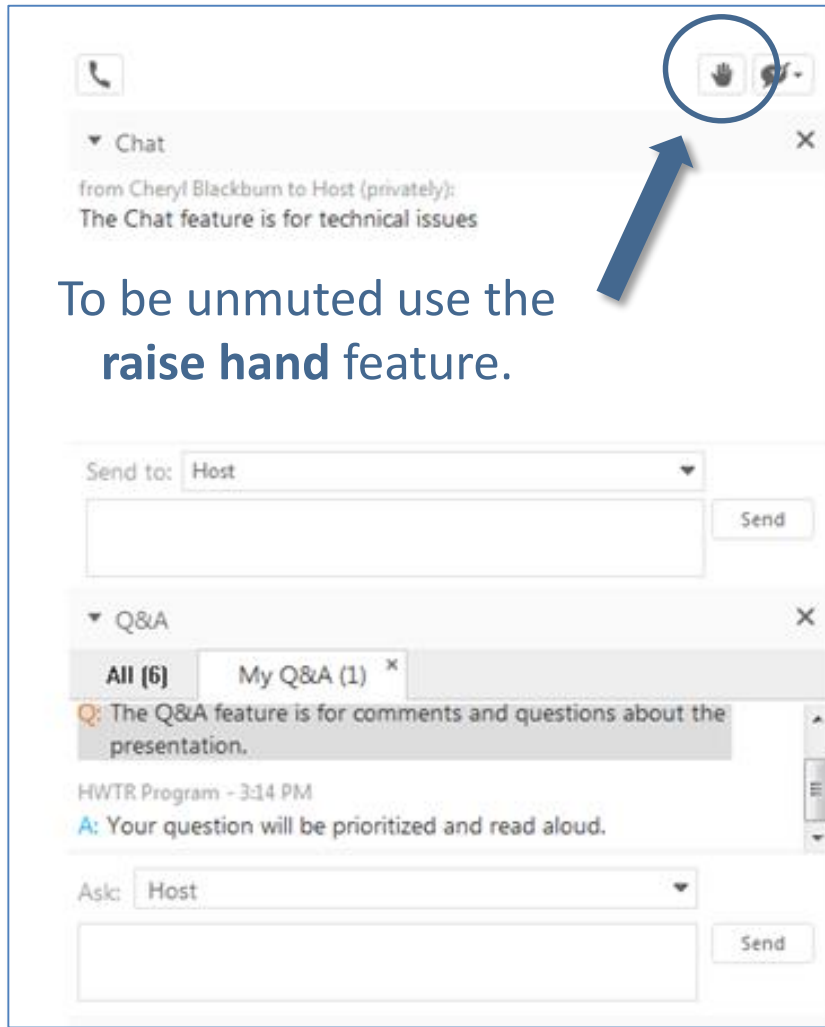


# 2018-19 CAP Schedule

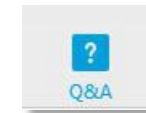
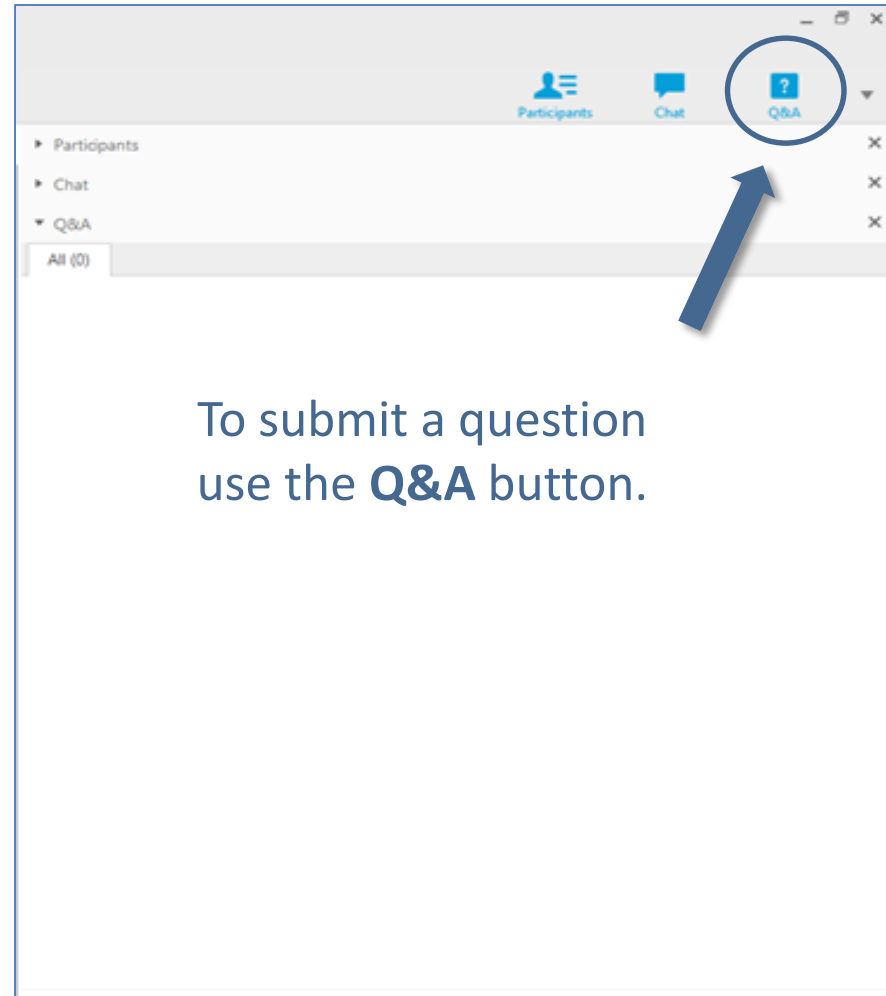
- Summer 2019 – updated Interim CAP (limited corrections)
- **Oct 2018** - Committee input on recommendations
- **Mar 2019** – Cost of recommendations webinar
- May/June 2019 - Publish Draft CAP (updated chapters)
- **Summer 2019** - 90-day public comment period/meeting(s)
- **Oct 2019** - Committee meeting about comments
- Dec 2019 - Publish Final CAP

**Bold** – your opportunity to provide input

# Draft/Final CAP– Q&A Opportunity



Use the Raise Hand feature to be unmuted to ask a question or make a comment.



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# PBT Recommendations

## **WAC 173-333-420:**

- Reduce and phase-out uses and releases.
- Manage chemicals, products or wastes.
- Minimize exposure to the PBTs.
- Switch to safer alternatives.
- Encourage development of safer alternatives.

WAC 173-333-420 - <http://apps.leg.wa.gov/wac/default.aspx?cite=173-333-420>

# PFAS Concerns

Area of Concern	Problems or Issues
Alternatives assessments	Need more information on safer alternatives
Analytical methods	Few qualified labs, need approved methods for products, soil, biosolids, more analytes
Disposal	PFAS in products in the landfill, dangerous waste disposal
Ecosystem	Fish consumption advisories, impact on ecosystem and wildlife
Firefighting foam	Historic use, potential hot-spots, ferries, buildings with sprinkler systems, aircraft hangars, proper disposal, BMPs, alternatives assessment, cleanup resources
Health	More studies, more data, info about more PFAS, short versus long chain
Outreach	Convey PFAS info, risk reduction, CAP recommendations
Products	Info on products using PFAS, sales in WA, biggest sources of exposure, source for urban lakes
Remediation	Drinking water filters, groundwater remediation
Sources in WA	Refineries, metal plating, semiconductors, textiles, food contact materials, cosmetics, lubricants, car waxes, ski waxes, floor waxes, polishes, upholstery, leather
State action	Ban long chain, funding for cleanup actions



# Next steps

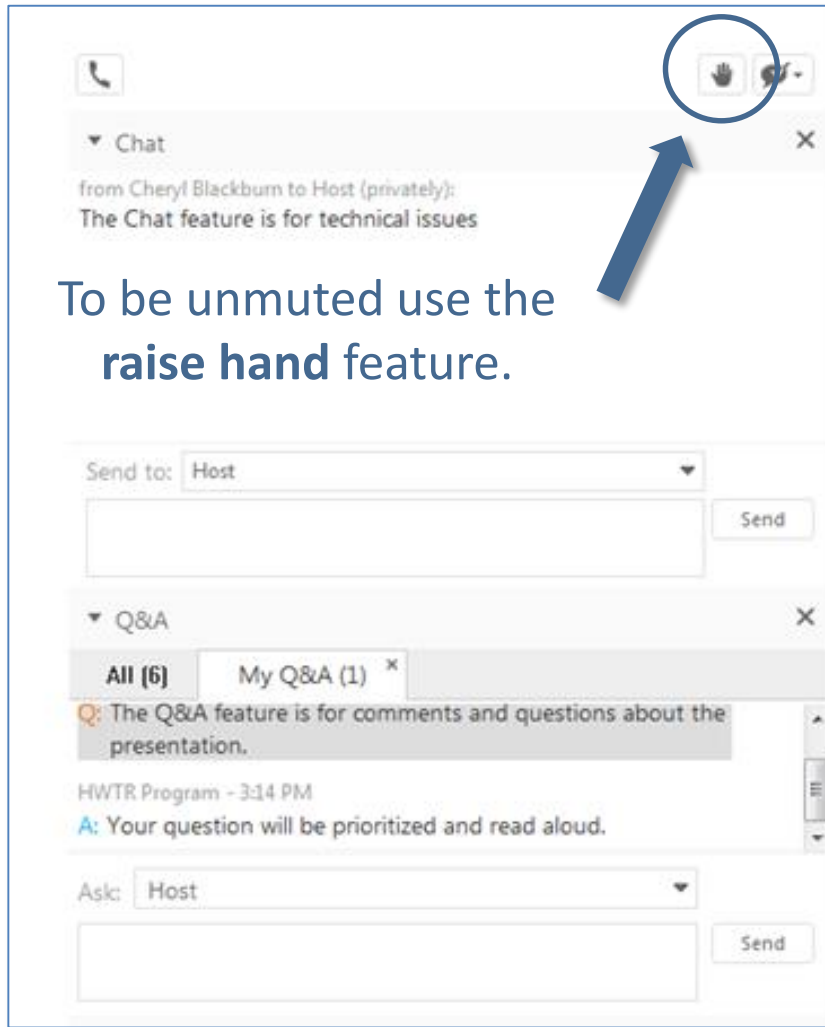
- Ecology/Health continue with Interim actions.
- Advisory Committee meets in October to discuss recommendations.
  - Cost analysis webinar in March 2019.
- Publish Draft CAP in Spring 2019.
  - 90-day comment period and public meetings.
- Review comments, discuss with Advisory Committee.
  - October 2019 Advisory Committee meeting.
- Publish Final CAP (Dec 2019).

Contact: Kara Steward 360.407.6250 or [kara.steward@ecy.wa.gov](mailto:kara.steward@ecy.wa.gov)

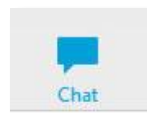
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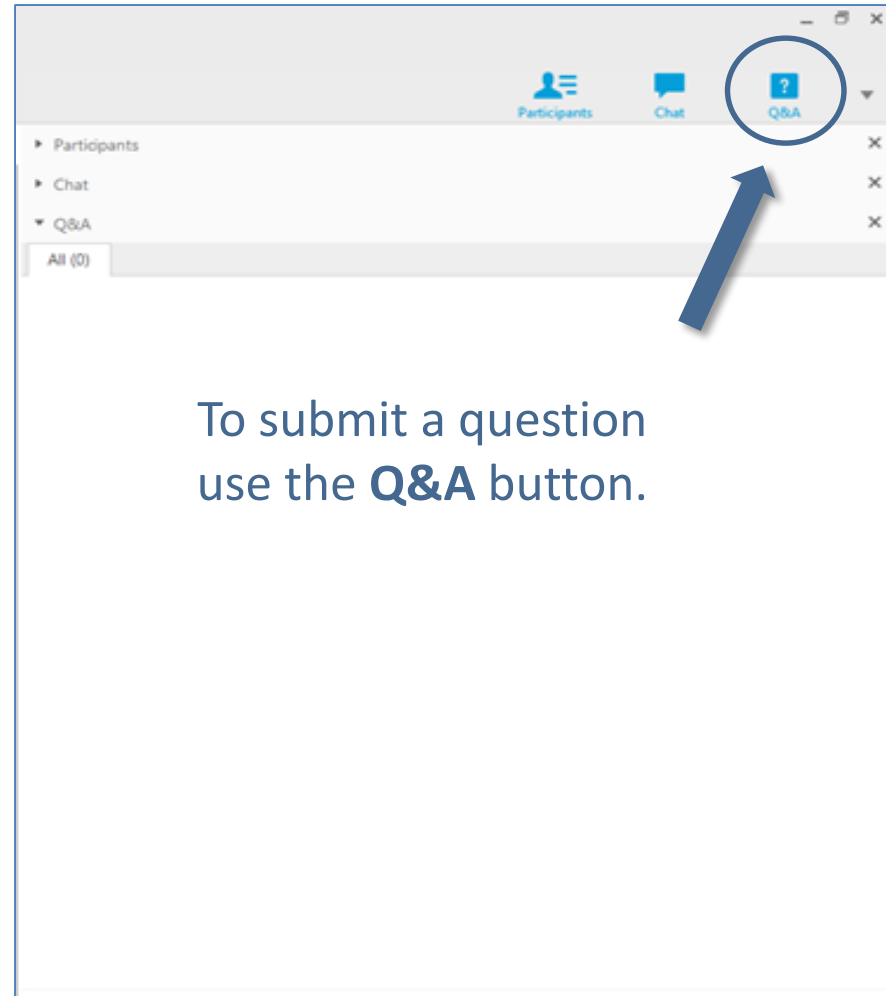
# Any other questions?



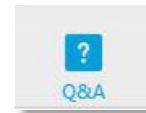
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