

# Per- and Poly-fluorinated Alkyl Substances Chemical Action Plan Options Review

October 4, 2018  
Advisory Committee Meeting



# PFAS CAP Options Review

The purpose of this meeting is to provide agency updates and review options for CAP recommendations.

**Start time:** 9:00 am (PDT)

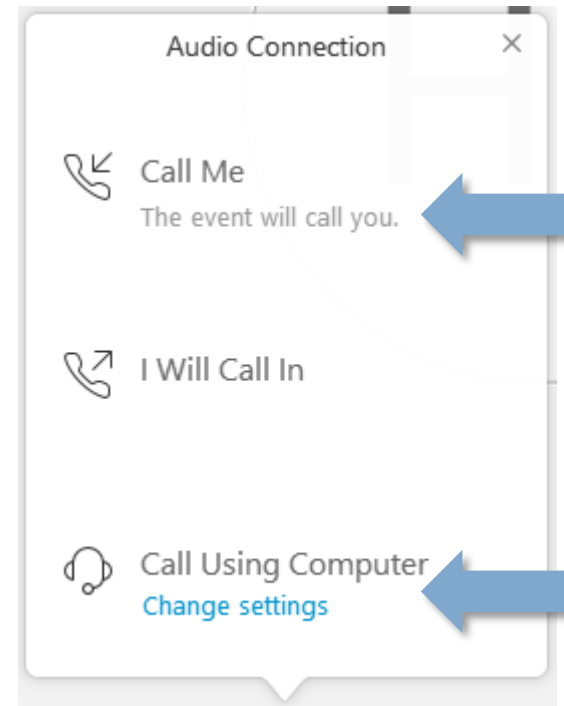
**Anticipated finish time:** 2:30 pm (PDT)

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

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

*All lines are muted.*

*For webinar participants, we can unmute you.*



# How to use WebEx



- > Participants
- > Chat
- > Q&A

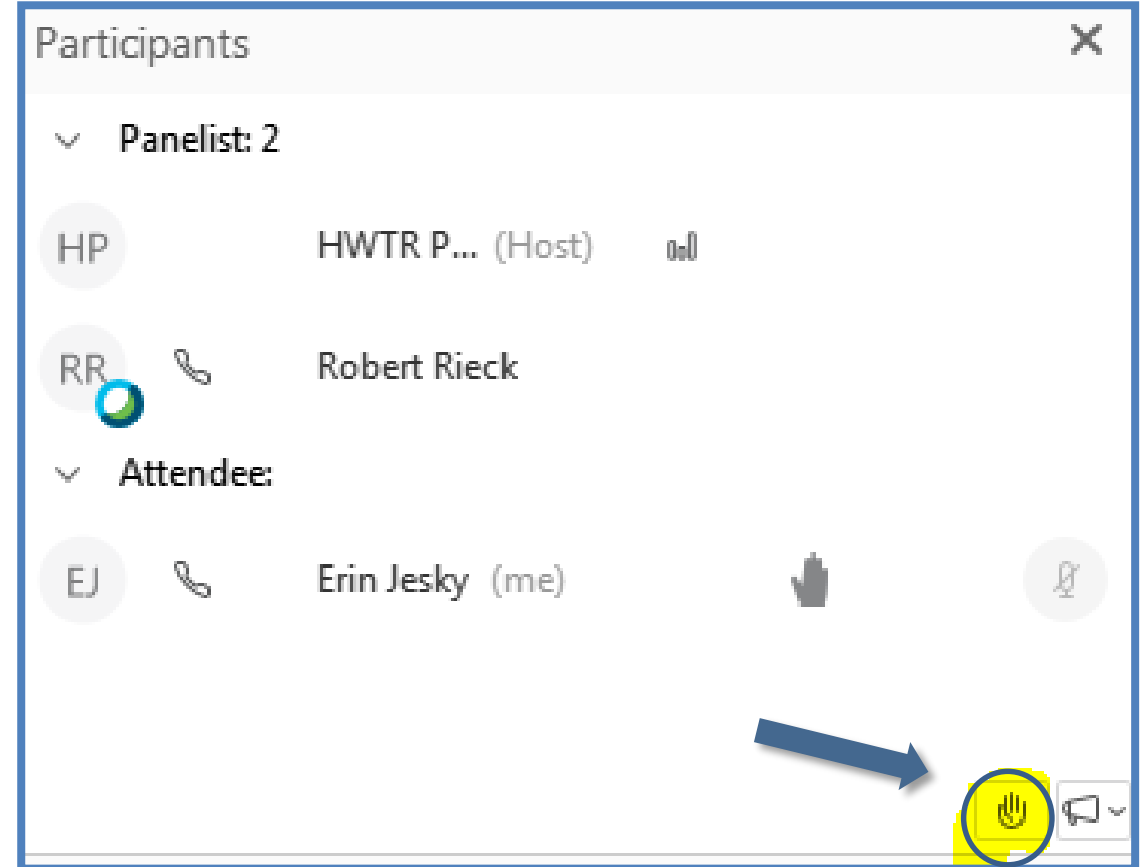


# Asking questions and providing feedback

For questions, use the Q&A feature and send your message to the host.  
Or, raise your hand to speak.

Find these slides online:

<https://www.ezview.wa.gov/?alias=1962&pageid=37105>



# Meeting Agenda

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Introduction.

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CAP summary.

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Agency updates.

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Break

CAP economics.

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Criteria for success.

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Lunch

Options facilitated discussion.

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Break

Next steps.

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# Ground rules

- Open minds.
- Focus on solutions, not blame (collaboration, not confrontation).
- Recognize that people are not always going to agree.
- Direct, straightforward, thoughtful communication.
- Transparency, no surprises.
- Be respectful:
  - Listen to understand points of view, respect others' opinions.
  - Everyone has chance to be heard: avoid interruptions, 1 person talk at a time.
- Stay on topic and on time; don't talk too long or too little.
- Be consultative and creative.
- Members need not agree, but solutions that work for all are ideal.

# Chemical Action Plan (CAP)

## Persistent Bioaccumulative Toxic (PBT) Rule

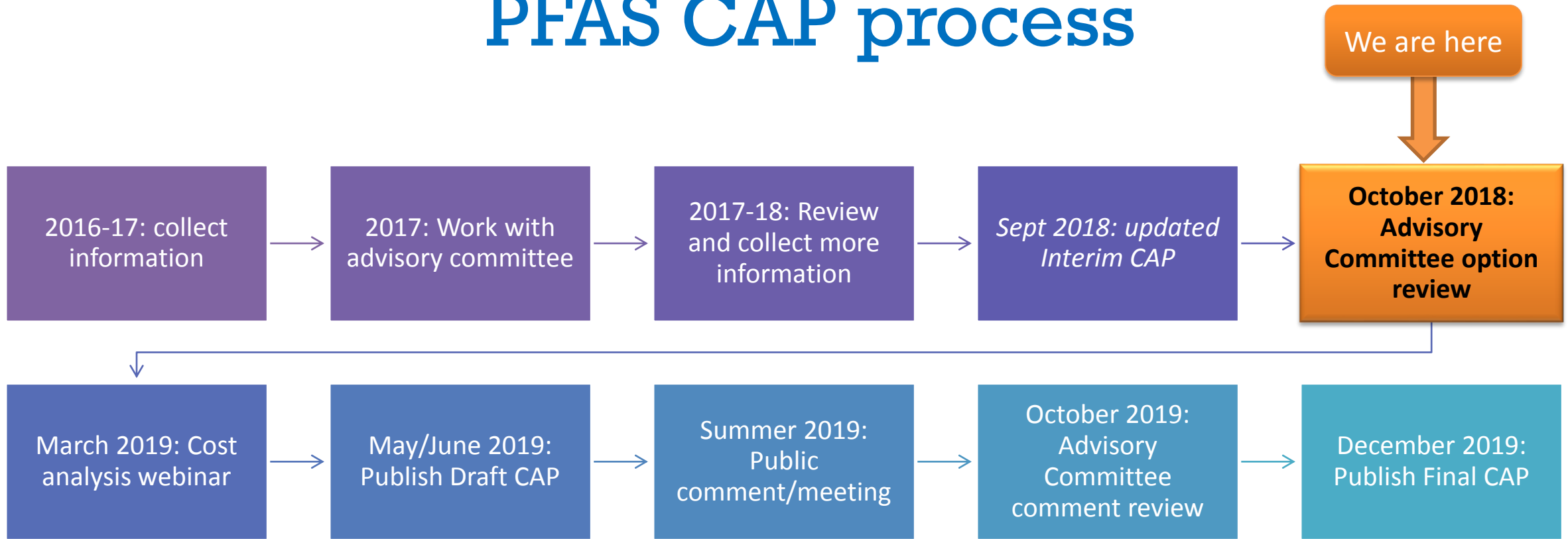
- Identifies, characterizes, and evaluates uses and releases of a PBT.
- Recommends actions to protect human health and the environment.

Chapter 173-333 of the Washington Administrative Code

### More information:

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

# PFAS CAP process

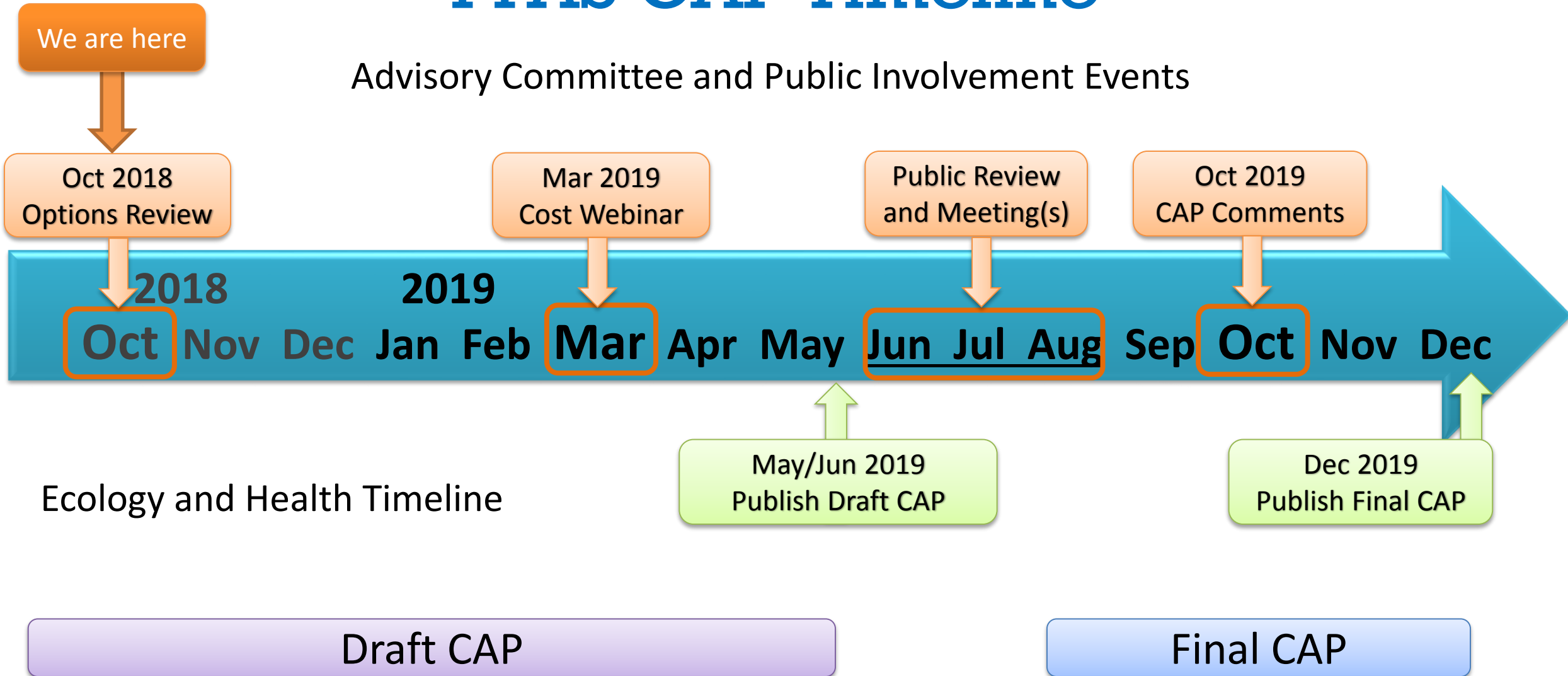


WAC 173-333-430 - <http://apps.leg.wa.gov/wac/default.aspx?cite=173-333-430>

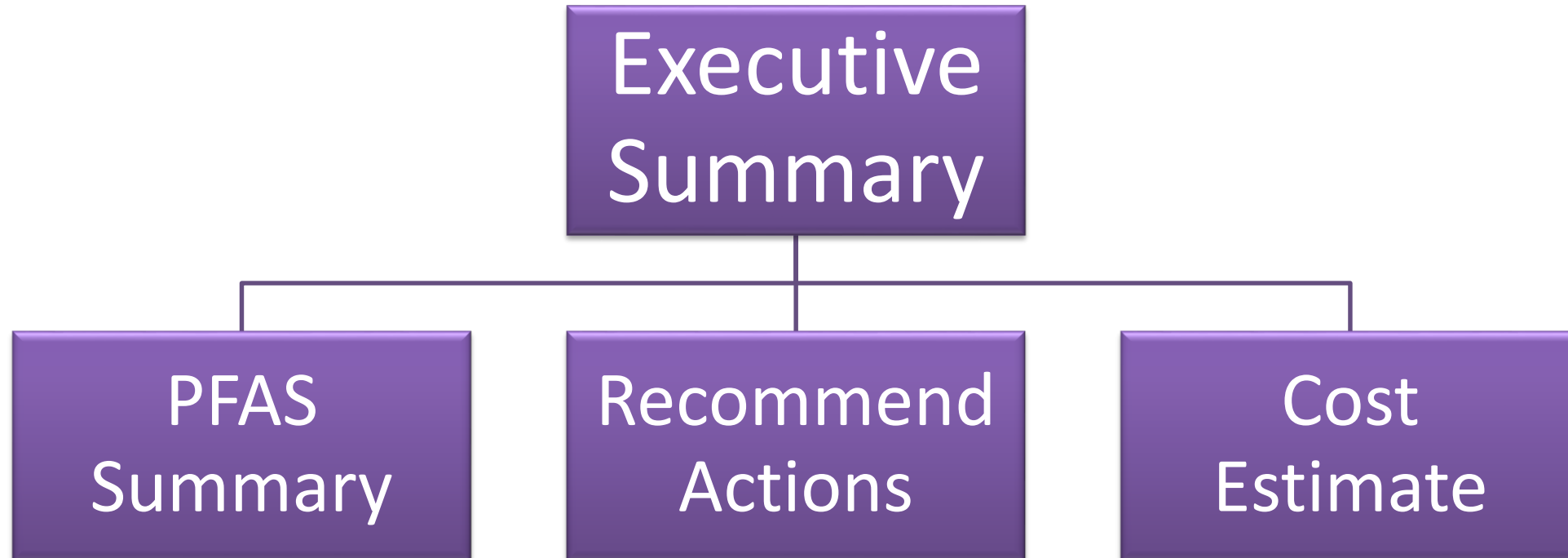


# PFAS CAP Timeline

Advisory Committee and Public Involvement Events



# Draft/Final CAP



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



# Firefighting foam

## Implementation of Chapter [70.75A](#) RCW - Firefighting Agents and Equipment

- Compliance Assistance Website established.
- Firefighting training ban effective July 1, 2018.
- Personal Protective Equipment (PPE) notice requirements.
- Ecology developing compliance review of PPE manufacturers.

# Firefighting foam

## Ecology Foam Disposal Technical Assistance

- Ecology’s Spills Program helped entities close to rail lines switch from fluorinated foam to non-fluorinated foam.
- Who needs assistance?
  - Ecology seeking partners to build “disposal needs” inventory.
- Pending HWTR budget package for 2018/19 legislative session
  - Ecology’s Local Source Control to implement “Swap Out”
  - Total Cost ~ \$2.1 Million



# Alternatives to PFAS in Food Packaging

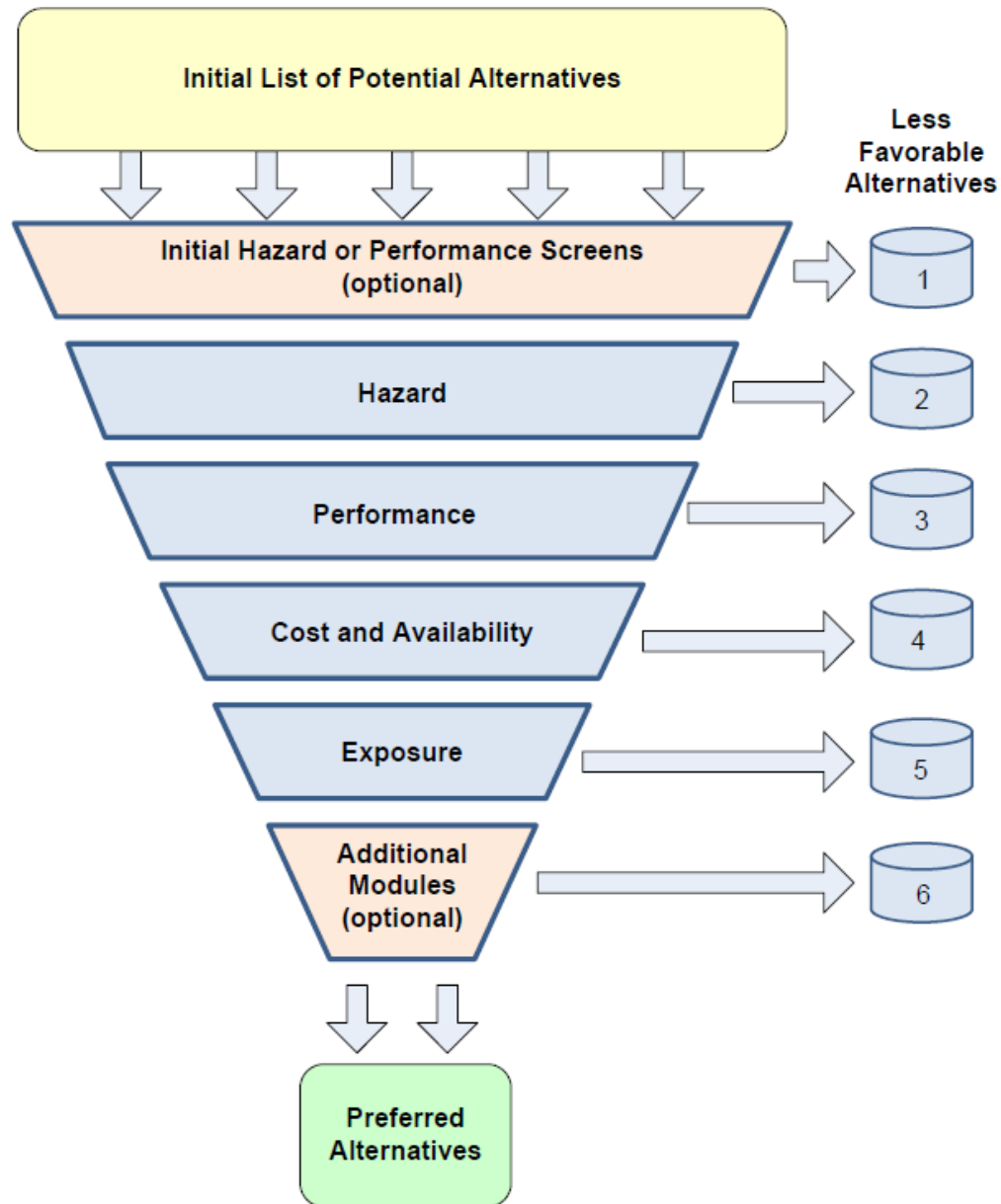
- Ecology required to conduct Alternatives Assessment (AA) as part of the PFAS CAP.
- Ecology creating CAP sub-group for providing updates on progress.
- Ecology AA Work Assignment (\$170,000) to hire contractor support.



# Alternatives to PFAS in Food Packaging

- WA ban of PFAS in food packaging (RCW 70.95G).
  - Ecology identifies safer alternatives based on IC2 Guidance and statutory requirements.
  - External peer review of the AA.
  - Ecology publishes findings in the WA State Register (1/1/2020).
  - Effective following two year transition period. (1/1/2022).





## Alternatives Assessment (AA)

- An AA is a process for:
  - Comparing alternatives to a chemical or product of concern.
  - To identify options that are safer.
- “Safer” defined by criteria and definitions in the law.
- Ecology will make the safer alternative determinations.



# Options and Recommendations

Identify policy options	Recommendations
No action option	Reduce and phase out uses and releases
Phase out uses and releases	Manage products or wastes
Manage to reduce exposure	Minimize exposure
Use of substitutes	Switch to safer substitutes
Other options	Develop safer alternatives

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



# Draft List of CAP Goals

Reduce exposure to people through drinking water.

Identify, prioritize, and clean up sources of PFAS contamination in drinking water.

Evaluate and reduce releases of PFAS to people, homes or the environment

Evaluate and identify the need to regulate or reduce releases of PFAS

Actions that residents can take to reduce PFAS exposure.

Priorities for federal agencies and industry partners.



# When looking at the options, what are the things we need to keep in mind?

- Silent self-reflection on your own (1 min.)
- Generate ideas in pairs, building on ideas from self-reflection (2 min.)
- Share and develop ideas from your pair in foursomes (notice similarities and differences) (4 min.)
- Ask, “What is one idea that stood out in your conversation?” Each group shares one important idea with all. (5 min.)

# Goals and options discussion

- What words or phrases jump out at you from the text?
- What parts of these options appeal to you most?
- Which parts are you concerned about?
- What challenges would you face in implementing these options?
- What options should be taken out?
- What other options would you add to this goal?
- What resources are needed to meet this goal?

# Next steps

- Ecology/Health continue with Interim actions.
- Ecology/Health draft CAP recommendations.
- Publish Draft CAP in Spring 2019.
  - 60+ day comment period and public meetings.
- Review comments.
  - October 2019 Advisory Committee meeting.
- Publish Final CAP Dec 2019.

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