

Kalama Manufacturing and Marine Export Facility

Second Supplemental Environmental Impact Statement



Providing Comments

Mail

- Rich Doenges, Department of Ecology, PO Box 47775, Olympia, WA 98504-7775

Online

- <http://admin.ecology.commentinput.com/?id=kG9ji>

During hearings

- September 17 at 1:00 p.m.
- September 22 at 10:00 a.m. and 6:00 p.m.

All comments are weighted equally regardless of how they are submitted!

Comments are due October 2, 2020

Providing Comments

Phone-In Only Hearing

- **September 23 at 6:00 p.m.**
- Phone numbers:
 - Toll Free – (844) 222-3810
 - Local - (360) 407-4030
- Conference ID - 4481906
- Taking verbal comments

All comments are weighted equally regardless of how they are submitted!

Comments are due October 2, 2020

Agenda

Presentation

- Background
- Analyses
- Results
- Next steps

Hearing

- Opening
- Oral
comments
- Closing



Meet the Ecology Team!

Host

- Cindy Bradley

Technical

- Sadie Hinklin
- Laura Westfall

Speakers

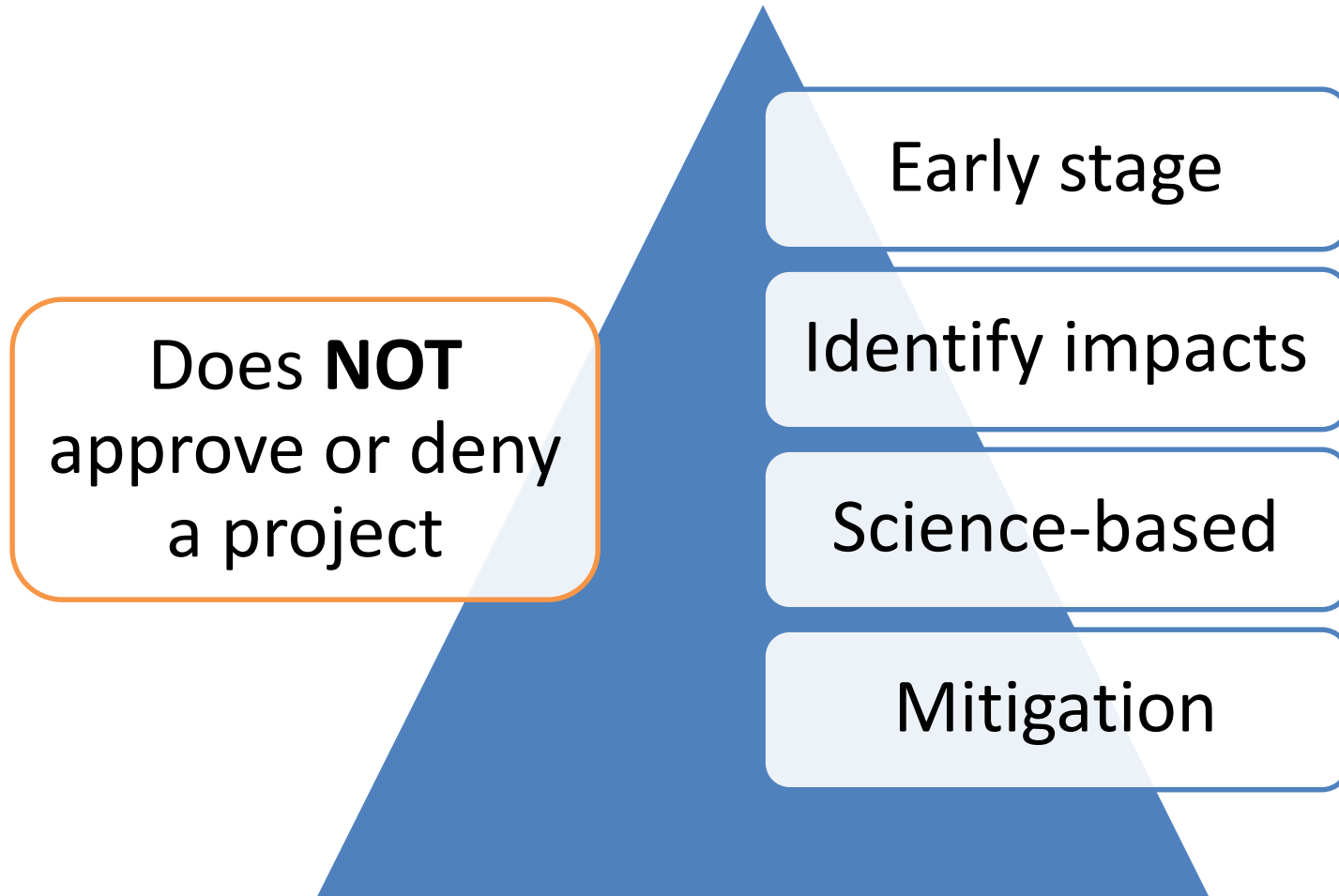
- Rich Doenges
- Neil Caudill

Hearing

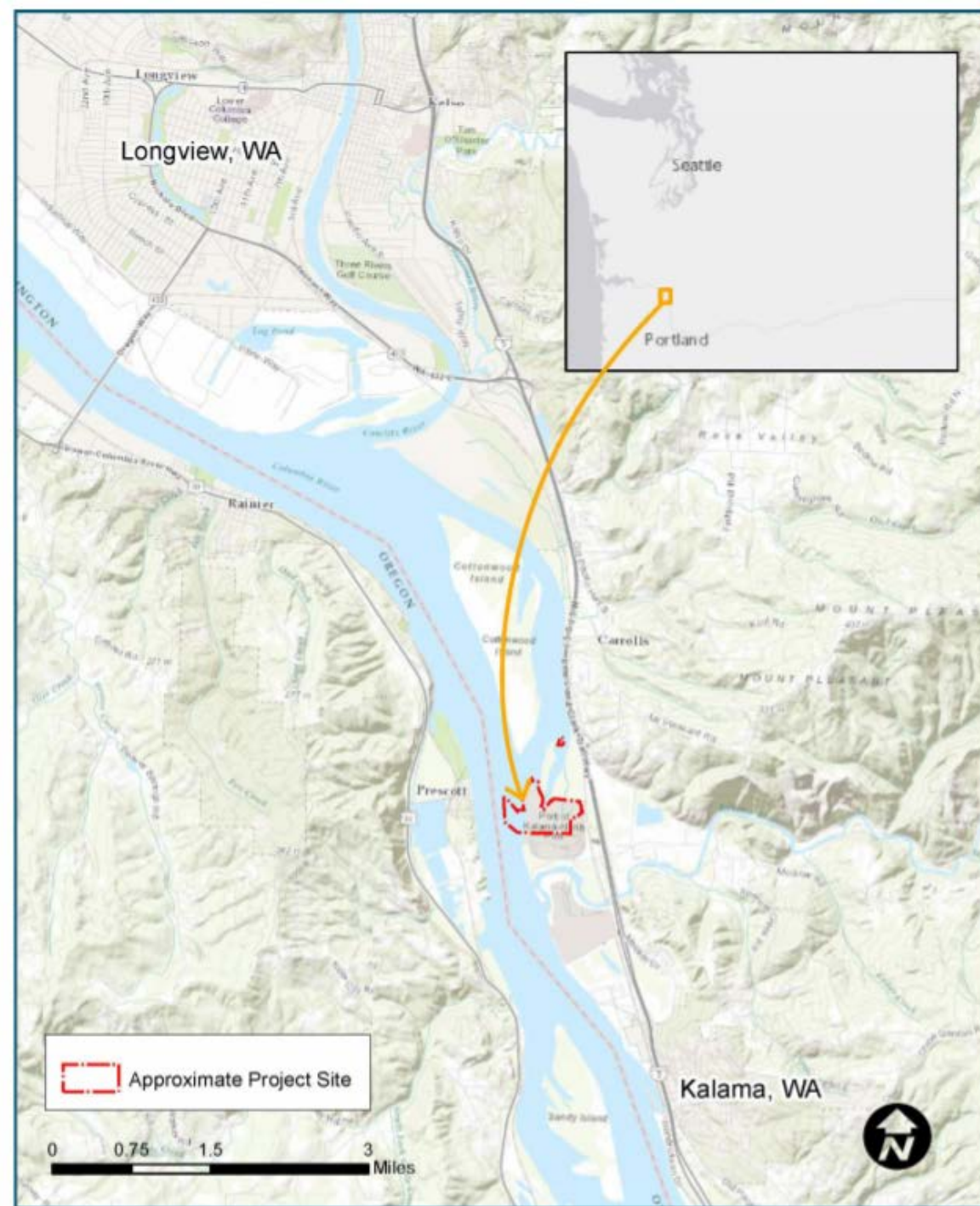
- Fran Sant



Purpose of an Environmental Impact Statement (EIS)



Proposed Project Location Port of Kalama Kalama, WA



Proposal



- Methanol manufacturing facility
- New marine terminal
- Convert natural gas to methanol onsite
- Ship product via marine vessel to global markets, primarily in Asia

Project History

Activity	Date
Final EIS	2016
Shoreline permit appeal	June 2017
Shoreline Hearings Board ruling – supplemental EIS required	Sept 2017
Superior Court ruling – SEIS required	May 2018
Final supplemental EIS released	Aug 2019
Ecology announces second supplemental EIS	Nov 2019

Second Supplemental EIS

- **Insufficient GHG analysis**
 - **Upstream**
 - **Onsite**
 - **Downstream**
- **Impacts of Kalama facility on the methanol market**
- **More information to make decision on Shoreline Conditional Use Permit**

Analyses



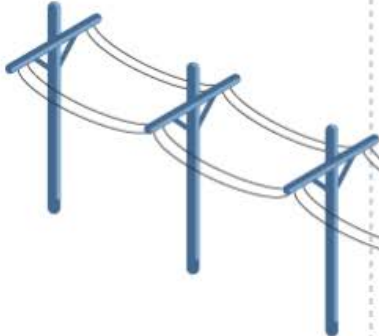
Kalama Project Emissions

Upstream Emissions

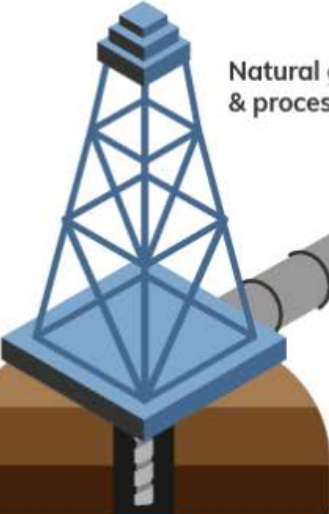
Production Emissions

Downstream Emissions

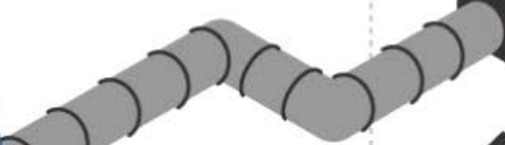
Purchased electricity



Natural gas extraction & processing



Natural gas transmission



Waste



Construction



Product shipping



Methanol to plastic ingredients



Fuel combustion



Ecology's New GHG Analysis

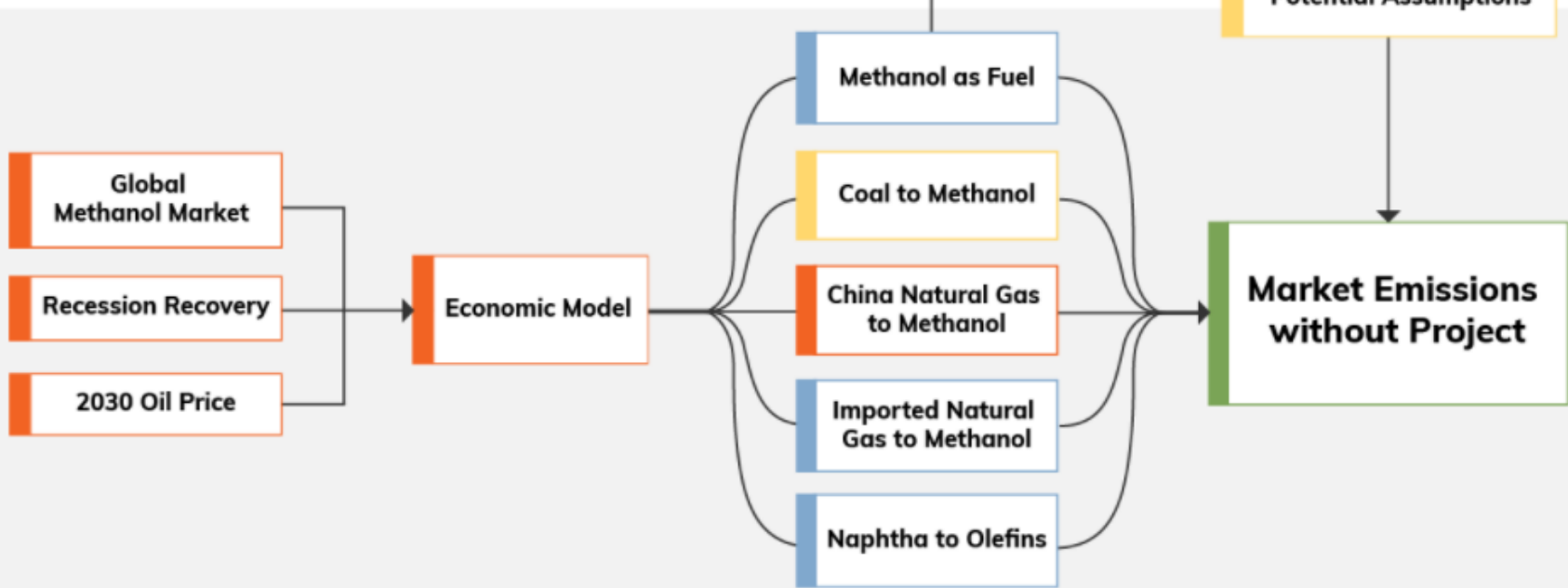
A comparison between the first and second Supplemental EIS



Project Analysis



Market Analysis



Economic Analysis

Supply and
Demand

Capacity

Technology

Use
Plastics vs Fuel

Economic
recovery

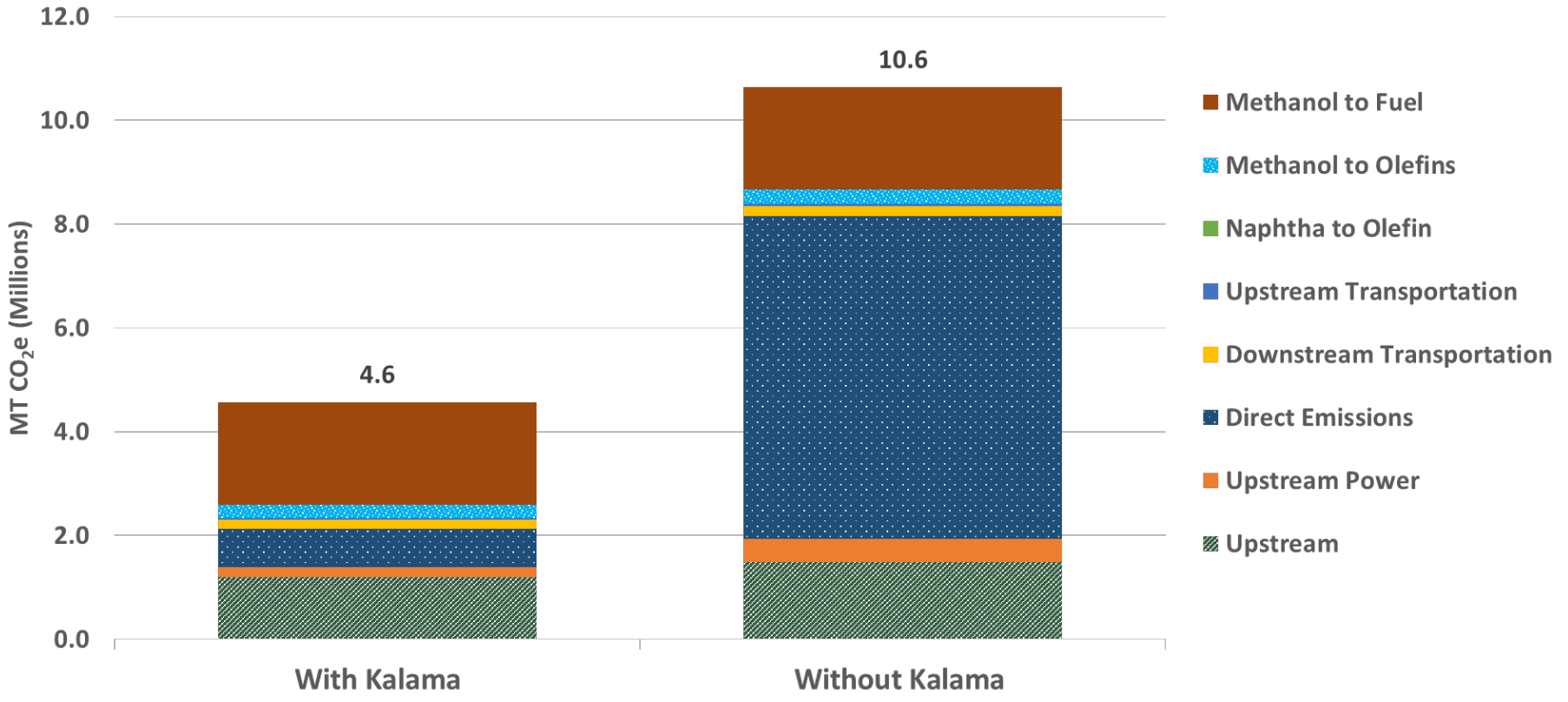
Project
lifespan
40 years



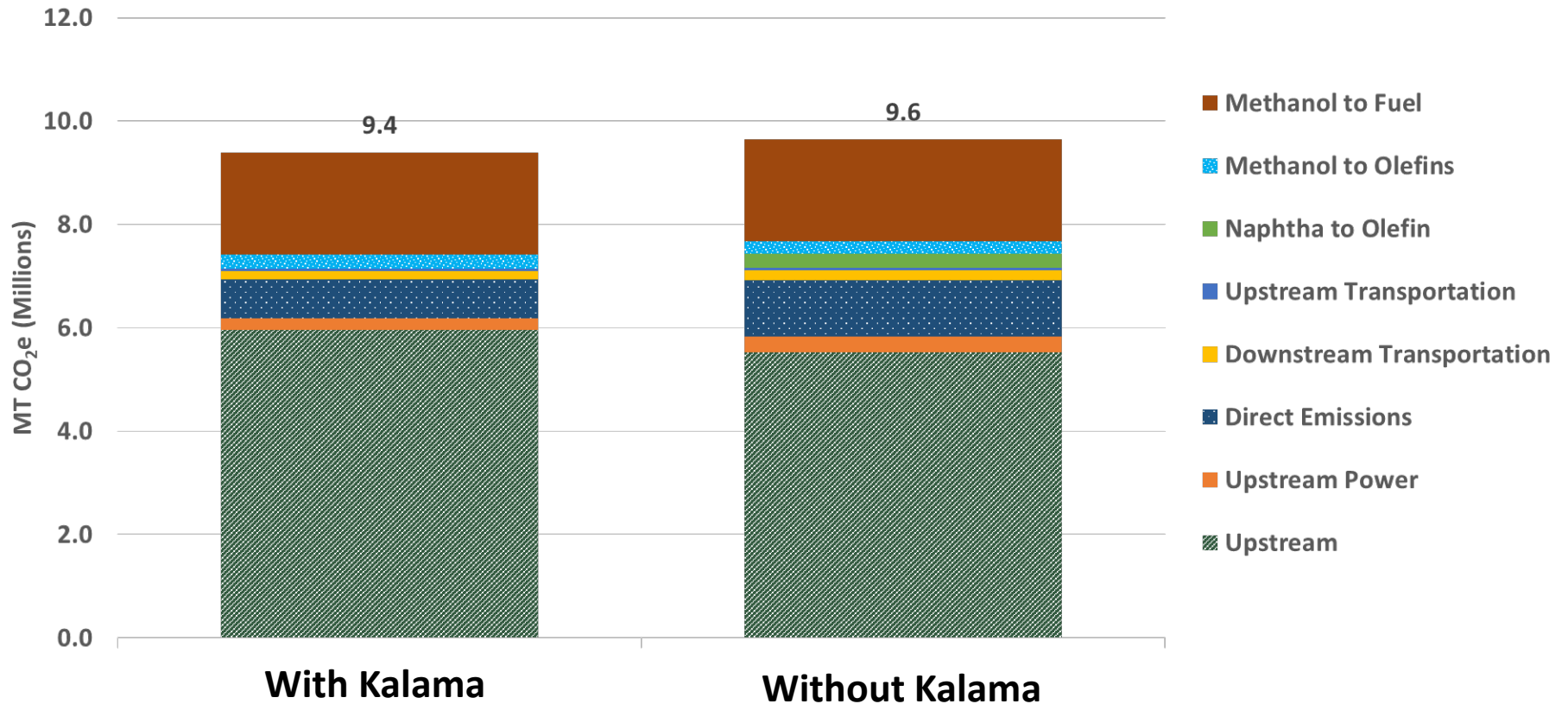
Results



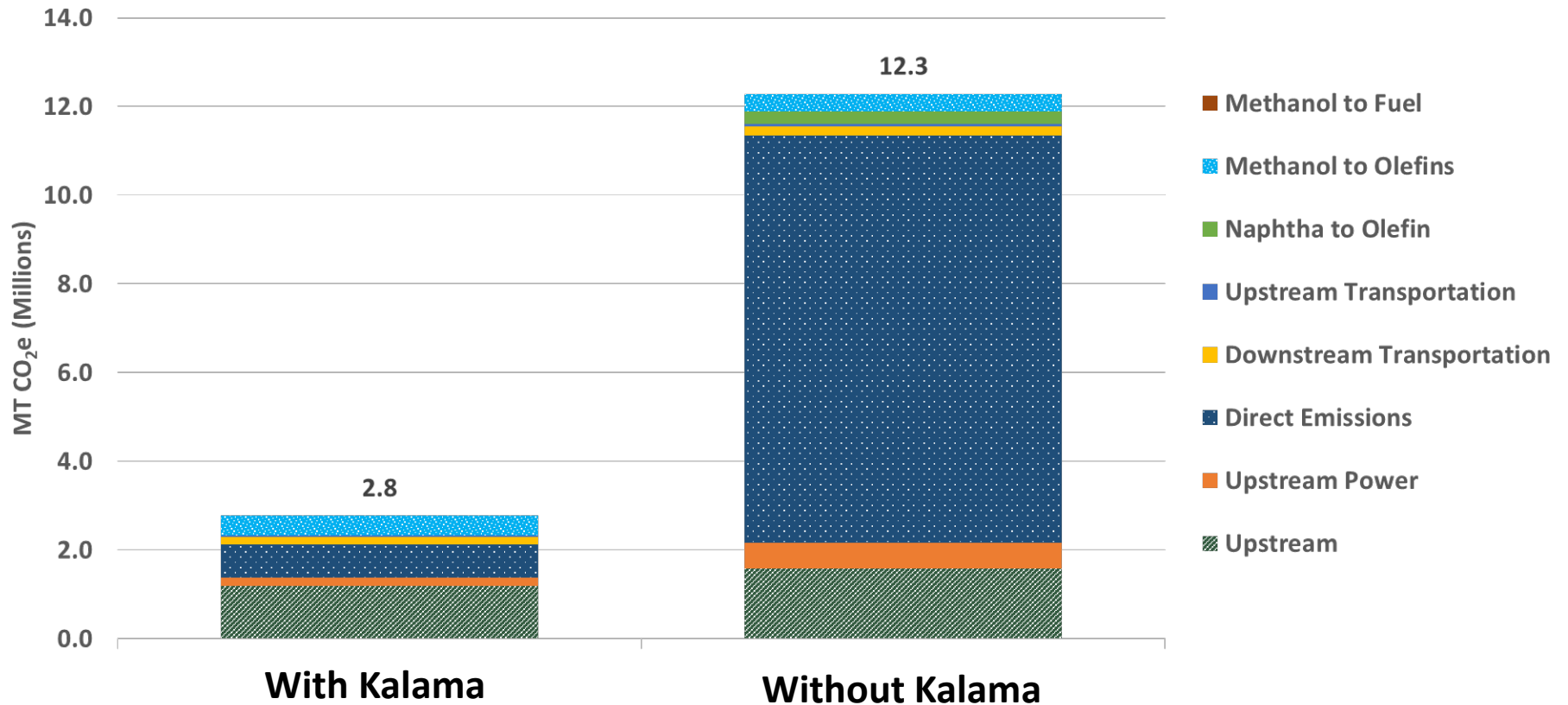
Average Annual Global Emissions Increase Best Estimate



Annual Global GHG Emissions Increase Lower Range Outlier

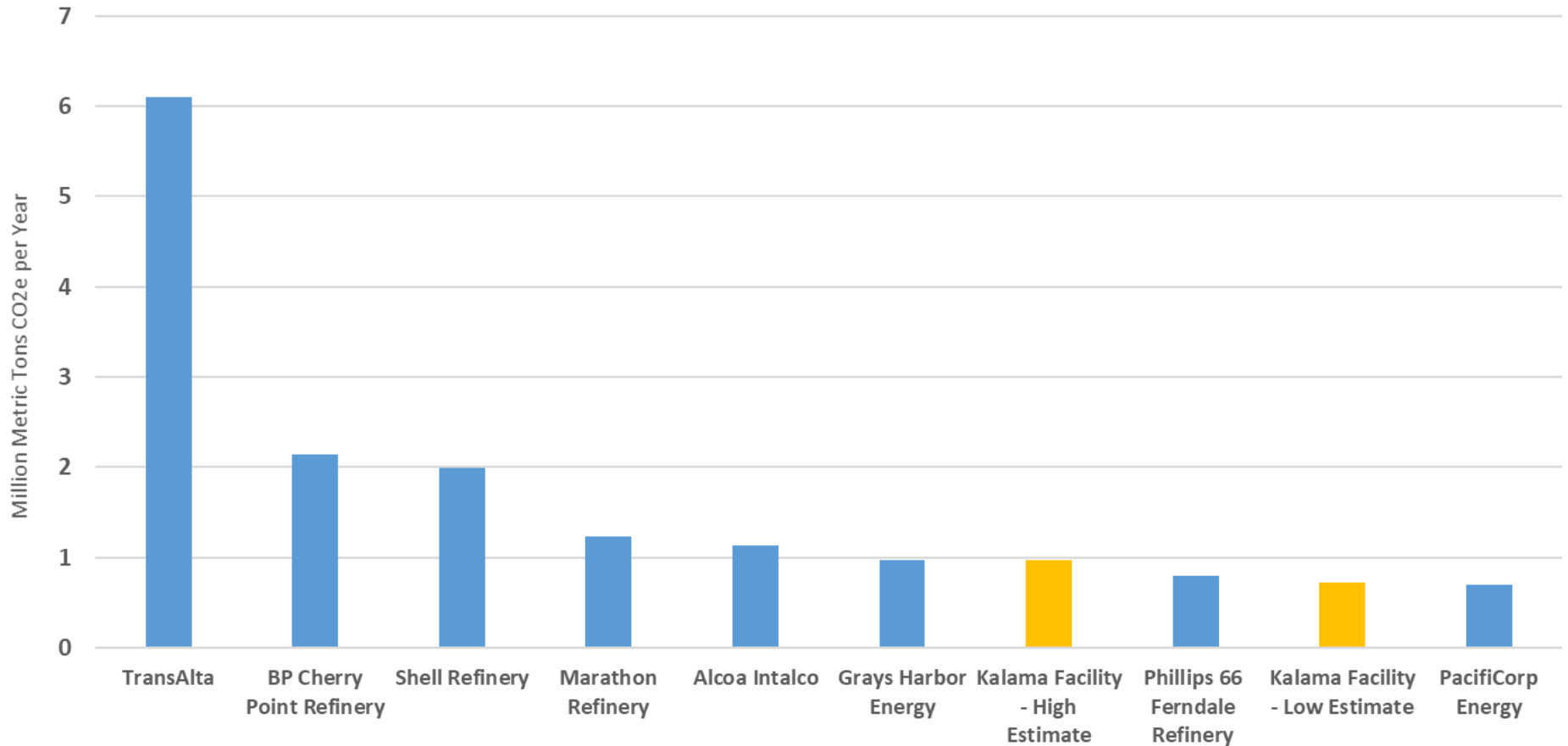


Annual Global GHG Emissions Increase Higher Range Outlier



In-State GHG Emissions

Largest GHG Emitting Facilities in WA



Proponent's Proposed Mitigation

**100% in
WA**

**Direct
(onsite)**

Indirect

**Emissions
Totals**

**Ecology's
GHG
reporting
program**

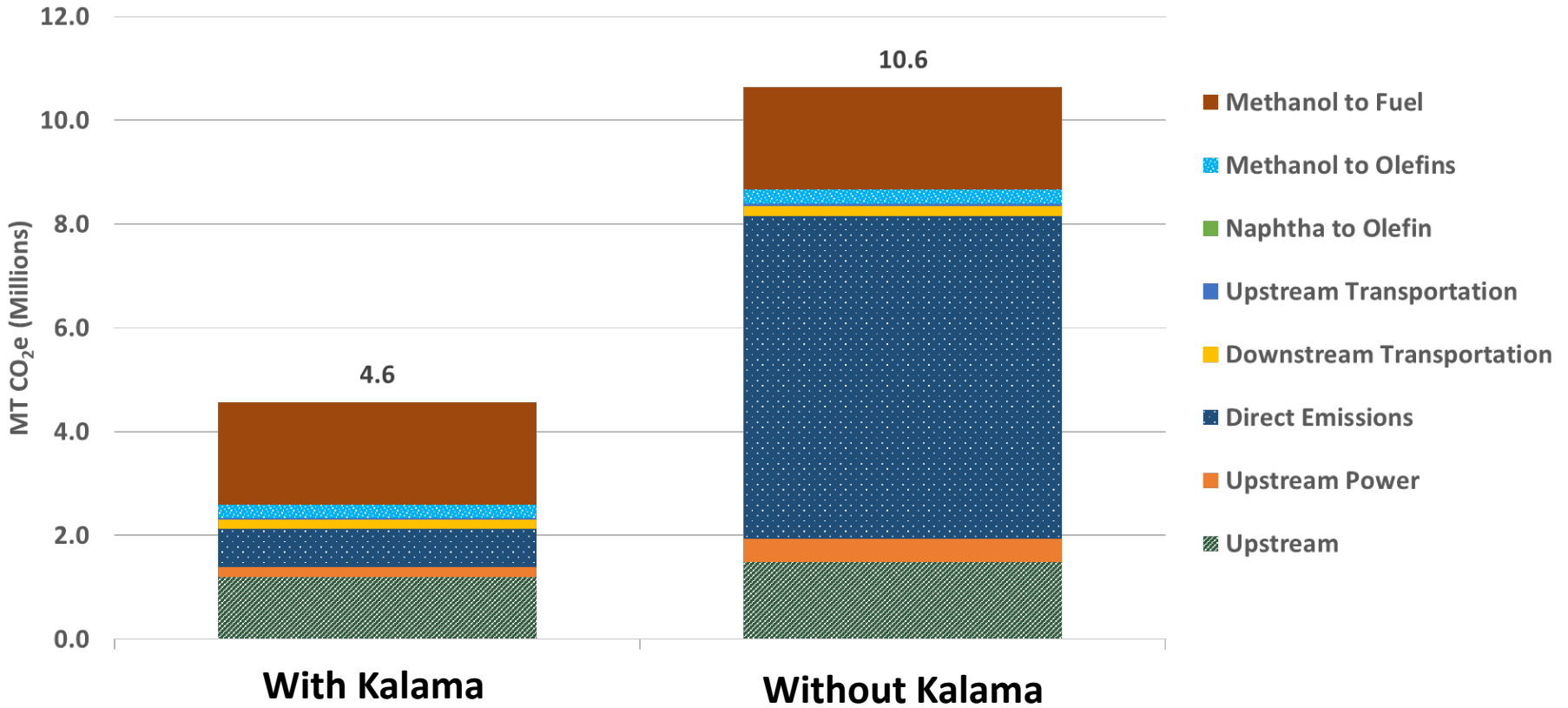
Mitigation

**Quality
criteria**

**Board
oversight**

**Prioritize
local projects**

Average Annual Global Emissions Increase Best Estimate



Next Steps

**Public
Hearings &
Comment
Period**

**Comment
Review**

**Final SSEIS
Nov/Dec**

**Conditional
Use Permit
Decision**



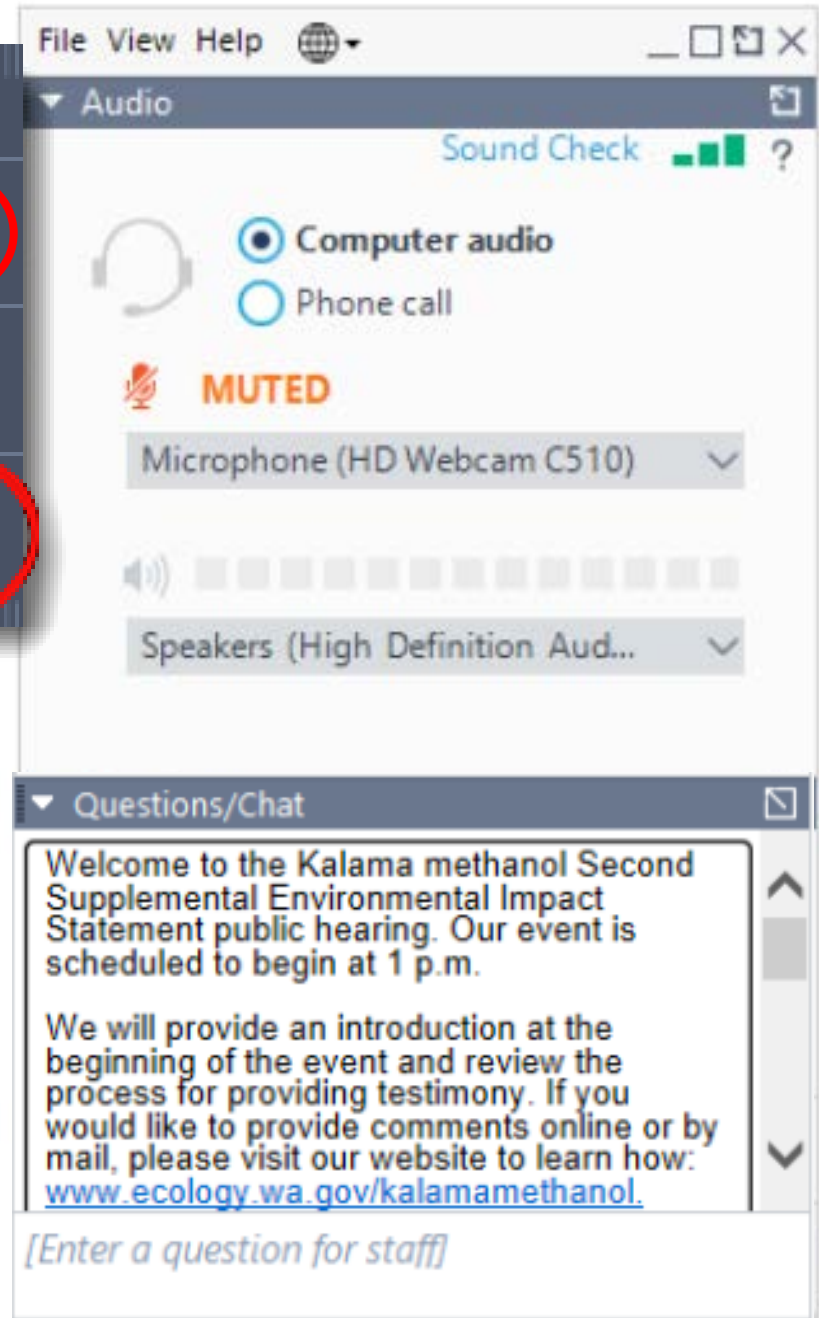
Public Hearing

How to Give Comments

- Self mute/un-mute
- Click the “raise your hand” button.
- We will call your name and unmute you when it’s your turn
- You will have 2 minutes

Please note:

We are only taking oral comments during this meeting.





Public Hearing

2 Minute Public Comment

To provide comments on the
Second Supplemental EIS:

Online:

<http://admin.ecology.commentinput.com/?id=kG9ji>

Mail to:

Rich Doenges

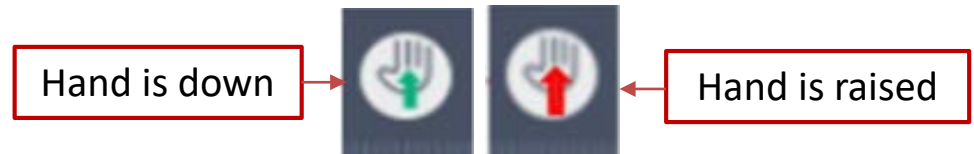
PO Box 47775

Olympia, WA 98504-47775

**Ecology will consider all
comments equally, regardless
how they are submitted.**



**Please use the raised hand feature if you
would like to make a comment.**





5 minute break

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**Thank you for
participating!**