

## BAAQMD Building Appliances Rules Implementation Working Group Meeting #5

Tuesday, May 21, 2024

1:00 PM - 4:00 PM

## **Zoom Webinar Information**

- Please click the link below to join the webinar: https://kearnswest.zoom.us/j/84840159736
- Webinar ID: 848 4015 9736
- Call-in options
  - 833 928 4610 US Toll Free
  - o 877 853 5257 US Toll Free
  - o 888 475 4499 US Toll Free
  - 833 548 0276 US Toll Free

## **Meeting Objective**

• Provide updates and receive feedback on IWG work and progress made over the last quarter.

## Agenda

2       2024 updates & remaining meetings       2024 Calendar review       Amy Dao, BAAQMD       5         2       March Subcommittee       1. Technical Subcommittee       Amy Dao, BAAQMD       5         3       March Subcommittee       1. Technical Subcommittee       Amy Dao, BAAQMD       5         3       March Subcommittee       1. Technical Subcommittee       Amy Dao, BAAQMD       5         3       March Subcommittee       1. Technical Subcommittee       Amy Dao, BAAQMD       11         3       March Subcommittee       1. Technical Subcommittee       Amy Dao, BAAQMD       11         4       March Subcommittee       1. Technical Subcommittee take-aways       Amy Dao, BAAQMD       11         4       BW Research Presentation:       What do workforce numbers for the installation of zero-NOx appliances look       Rich Chien, BAAQMD       11         6       BW Research Development in the Bay Area?       What is the outlook for hiring, training and installation, according to contractors? For training resources in the Bay Area, how does availability vary across counties or sub-regions?       11         4       Learn about BW's Research on existing landscape, current workforce programs and recommendations for Bay Area.       Cai Steger, BW Research       11         9       March Reduce davelopment as it relates to Zero-NOX appliances.       Q&A throughout from IWG members only	Time Minutes)	Speaker	Description	Agenda Item	Item
2       remaining meetings       Consultant deliverables update Remaining meetings and topics to be discussed.       Amy Dao, BAAQMD Planning & Climate Division       5         3       March Subcommittee summaries       1. Technical Subcommittee takeaways.       Amy Dao, BAAQMD Planning & Climate Division       5         3       March Subcommittee summaries       1. Technical Subcommittee takeaways.       Amy Dao, BAAQMD Planning & Climate Division       5         3       BW Research Presentation: Workforce Development in the Bay Area       What do workforce numbers for the installation according to contractors? For training resources in the Bay Area, how does availability vary across counties or sub-regions?       20         4       Learn about BW's Research on existing landscape, current workforce programs and recommendations for Bay Area- located workforce development as it relates to Zero-NOx appliances. Q&A through Q&A window only during agenda item #6.       Cai Steger, BW Research         5       Mincon Consultants Presentation: Presentation: Development in the Break       What are the current market and sales trends for heat pump water heaters? Will there he enough Zero-NOX will are the current market and sales trends for heat pump water heaters? Will there he enough Zero-NOX will are the current market and sales       Ryan Gardner, Rincon	5-10		Welcome & review agenda.	Welcome	1
3       Subcommittee summaries       takeaways.       Amy Dao, BAAQMD Planning & Climate Division       11         3       & next steps       Q&A throughout from IWG members only       Amy Dao, BAAQMD Planning & Climate Division       11         4       BW Research Presentation: Workforce Development in the Bay Area       What do workforce numbers for the installation of zero-NOx appliances look like across the Bay Area? What is the outlook for hiring, training and installation, according to contractors? For training resources in the Bay Area, how does availability vary across counties or sub-regions?       21         4       Learn about BW's Research on existing landscape, current workforce programs and recommendations for Bay Area- located workforce development as it relates to Zero-NOx appliances. Q&A throughout from IWG members only Public Q&A through Q&A window only during agenda item #6.       Cai Steger, BW Research         5       Rincon Consultants Presentation: Presentation: Sub-regions to heat pump water heaters? Will there be enough zero-NOX appliances to       Ryan Gardner, Rincon	5-10		Consultant deliverables update Remaining meetings and topics to be		2
Presentation:       installation of zero-NOX appliances look       24         Workforce       like across the Bay Area? What is the       24         Development in the       outlook for hiring, training and       installation, according to contractors? For       24         training resources in the Bay Area, how       does availability vary across counties or       24         Learn about BW's Research on existing       Learn about BW's Research on existing       24         Learn about BW's Research on existing       Learn about BW's Research on existing       Cai Steger, BW Research         Indicated workforce development as it       relates to Zero-NOX appliances.       Q&A throughout from IWG members only         Public Q&A through Q&A window only       Public Q&A through Q&A window only       5         Rincon Consultants       What are the current market and sales       Fresentation:         Market Readiness       What are the current market and sales       11         Market Readiness       Terds for heat pump water heaters? Will       Ryan Gardner, Rincon	5-10 15-20 5-10	Planning & Climate Division Rich Chien, BAAQMD	takeaways. 2. Equity Subcommittee take-aways & next steps	Subcommittee	3
Rincon Consultants       What are the current market and sales       11         Presentation:       trends for heat pump water heaters? Will       Ryan Gardner, Rincon       11         5       Market Readiness       there be enough zero-NOx appliances to       Ryan Gardner, Rincon       11	20-25 10-15 5	Cai Steger, BW Research	<ul> <li>installation of zero-NOx appliances look</li> <li>like across the Bay Area? What is the</li> <li>outlook for hiring, training and</li> <li>installation, according to contractors? For</li> <li>training resources in the Bay Area, how</li> <li>does availability vary across counties or</li> <li>sub-regions?</li> <li>Learn about BW's Research on existing</li> <li>landscape, current workforce programs</li> <li>and recommendations for Bay Area-</li> <li>located workforce development as it</li> <li>relates to Zero-NOx appliances.</li> <li><i>Q&amp;A throughout from IWG members only</i></li> <li><i>Public Q&amp;A through Q&amp;A window only</i></li> </ul>	Presentation: <i>Workforce</i> <i>Development in the</i>	4
Presentation: trends for heat pump water heaters? Will Ryan Gardner, Rincon	5-10				
meet future demand resulting from Rules	15-20 10-15	Ryan Gardner, Rincon Consultants	trends for heat pump water heaters? Will there be enough zero-NOx appliances to		5

Item	Agenda Item	Description	Speaker	Time ( <i>Minutes)</i>
		How are other local, state, and federal policies or programs pushing the market and what about the global market? Learn from Rincon's whitepaper and survey on market characterization and context as it applies to the Air District's Appliance Rules. Discussion/Q&A throughout from IWG members only Public Q&A through Q&A window only during agenda item #6.		
6	Public discussion	Discussion/Q&A from IWG and Public	Veronica Cummings, Kearns & West	10-15
7	Administrative items, Close & Next Steps	Summarize meeting and review action items/next steps. • Upcoming Meeting Schedule	Veronica Cummings, Kearns & West	5