

HVAC • Heat Pump Action Group — Manufacturers, Distributors, & Stakeholders Meeting

July 7, 2022, Thursday @ 4:00—5:00 pm

AGENDA • MINUTES

EEBC STAFF

- Patricia Rothwell, EEBC Executive Director • patricia@eebco.org | 303.319-5623
- Connie Neuber, Marketing & Membership • connie@eebco.org | 303.349.6390

HVAC/HP ACTION GROUP CO-CHAIRS

- Shawn LeMons, Mitsubishi Electric Trane • slemons@hvac.me.com | 720.648.0505
- Pete Perret, GA Larson • pete.perret@galarson.com | 719.205.1306

RESOURCES

- HVAC•Heat Pump Resource Hub | <https://www.eebco.org/HVAC-HP-Action-Group>
- EEBC Member Resource Library | <https://www.eebco.org/resource-library>

| MEETING INVITATION EMAIL • TOPIC

| WELCOME • Join Us Today! [Member Application](#)

Review ANTI-TRUST LAW Statement

| MEETING HIGHLIGHTS [AGENDA]

| Status Update | Heat Pump (Electrification) Rebate Program by City of Denver | Presenters

Lee Valenzuela | CASR Administrator - Community Energy Programs • Lee.Valenzuela@denvergov.org
Jeff Tyrel | CASR Renewable Heating & Cooling Manager • Jeff.Tejral@denvergov.org

| Heat Pump Forecast | Ad Hoc Working Group Report Out

| Regulatory Update | Inform, Advocate, & Influence

- HP/HVAC Policy Action Begins July!
- How to Give Input to Xcel Energy's New Beneficial Electrification HP Rebate Levels and Savings Goals
- EEBC raising \$50,000 by August 31st from members to cover legal costs, etc.

| Update | "Hiring Pipeline" Program For EEBC Contractor Members

EEBC's "Good Green Jobs" 3-Year Program with the City of Denver

- Invite Hiring Managers to Plug-n to EEBC's "Hiring Pipeline" at the next HVAC/HP Action Group Meeting for Contractors
- On Thursday, July 21st | 4pm-5pm [REGISTER](#)

| ACTION ITEMS

| EEBC FOR MEMBERS | Status Update | Denver Rebates Program Launch, Results, & Next Steps

Speaker: Lee Valenzuela, Community Energy Program Administrator for the City & County of Denver

- A general overview of Denver's Heat Pump Rebate Program so far and what their plans are for the future
- An Open Forum Session for Q&A from EEBC members

Results Summary:

"The City of Denver has definitely seen great success with our heat pump rebates. The program was open from April 22 to June 24 and so far we've provided 286 heat pump rebates".

Climate Action Rebate Program: Heat Pump Review	
Program was open from April 22-June 24, 2022	
72 HVAC Contractors Registered, 48 HVAC Contractors Submitted Rebate Applications	
Provided \$1,998,042 in rebate funding to facilitate install of \$4.5 million worth of projects	
Type of Rebate	# of Rebates Provided
Air Source Heat Pump	158
Cold Climate Air Source Heat Pump	37
Ground Source Heat Pump	2
Mini-Split Heat Pump	31
Cold Climate Mini-Split Heat Pump	61
Heat Pump Water Heater	22

- COMMENTARY ON
 - Denver’s Climate Action Rebate Program — Heat Pump Updates
 - Matched Xcel Energy’s requirements
 - Status To-Date of Rebates Submitted [Denver’s Program is Closed as of June 24]
- Next Steps | MEMBER ACTION ITEM
 - Analysis data, programs, and talk with stakeholders for input before next round of rebates. To be kept informed of the next round of rebates register <https://denverrebate.azurewebsites.net/>
 - Colorado Renewable Energy & Energy efficiency Programs <https://programs.dsireusa.org/system/program/co>
 - Contact Lee with any suggestions/ideas/comments at ClimateActionRebates@denvergov.org
 - [Denver Rebate Flyer](#)

Speaker: Jeff Tyrel, Manager Renewable Heating & Cooling Commercial Buildings

- Ramping up Commercial / Multi-family incentives
 - Building Code Update: moving toward more parity between gas replacement equipment and electric heat pump technology. The city will be requiring when replacing gas equipment will need to choose: electrification feasibility report, right sizing of equipment, and gas leak testing. Feedback sessions in Early August-EEBC will keep you updated.
 - Heat Pumps in commercial buildings. Focused on time of replacement – feasibility reports – reports – training sessions on filling out reports.
 - Heat Pump pilots – roof top furnaces, water heaters- use this information to design the rebate program incentives. Overcome barriers –
 - One of the challenges with ground source heat pump systems, while simple in concept, require more detail for design requirements, and coordination with the ground loop installation. This is true for both residential and commercial applications. There is also a longer lead time for qualified looping contractors as GSHP installs are growing in Colorado.
 - Green Work Force opportunities. Training opportunities.
- Questions / Q&A
 - Robert: You were surprised by the HP Water Heater – would it be plumbing contractors to speak to than HP Contractors – observation to gather more data.
 - Patricia: Scott S & Helio homes discussed having a mechanical contractor on call with the plumber in case.
 - Denise G: End of Life for Boilers in Multi-family buildings - roof top water heaters – challenges with metering, capacity formaking the switch – community spaces and/also units.
Reply – Jeff response: we are looking into piloting and looking at all the systems out there – as code requirements (2025 & 2027) that we want to set up incentives in 2025 for boilers.
 - Shawn L: Strategy question – What was the strategy of the high rebate levels to run short & fast around the short time frame, the amount of money that was spent, and how many systems that were installed.

Reply Lee response: From Xcel Energy's results with small rebates people weren't responding. Heard from people that the rebates had to be pretty high in order to chose heat pumps over anything else - in general heat pumps are more expensive.

- Robert Glass: Social economics of the end users. High rebates in an high income area – vs low-income or disadvantage areas – one of the criteria – higher rebates for lower income – tyo have more value to the end user. Identifying how much monies are left – Clean Furnance Rebate would see a pie chart to see how much dollars were left in the program.

Lee: We do have an lower- income is still open – Thru Energy Resource Center. Income qualifying program; thewe did still have a bar cjhart – but it was sytill hard for contractors to know if there would still be funding when projects started out.

- *Jeff:* Is interested to talk to EEBC after they have done their analysis. September?
- *Patricia R:* Suggests EEBC use the July 21st HPAG Contractor meeting to make our own “best practices” recommendations and feedback for the “ideal program” relaunch in 2023. Then bring in Denver reps to August 18th HPAG Contractor meeting to present and get contractor/dealer response with Lee and Jeff.

| FOR MEMBERS TO DO

- HP Forecasting meeting – what is the number of HP to reach 2030 goals. Interested contact Patricia.

| MEMBERS SOCIAL MEDIA POSTING FOR YOU TO USE

TARGET: CUSTOMERS-HOMEOWNERS / CONSUMERS

| MEMBERS INTERNAL MESSAGING / SALES MEETING TOOLS / EMPLOYEE REOURCES

| MEETING SUMMARY / KEY TAKE AWAYS

- Robert Glass: In Colorado HB-1362 was signed in by the governor will be effective 8.3.2022. The ability to **sell 2** refrigerate hp in Colorado is now allowed. There is an opportunity as product comes in the market place that uses the low gw refrigerate.

| MEETING CHAT BOX

From Terry Proffer to Everyone:

One of the challenges with ground source heat pump systems, while simple in concept, require more detail for design requirements, and coordination with the ground loop installation. This is true for both residential and commercial applications. There is also a longer lead time for qualified looping contractors as GSHP installs are growing in Colorado.

From Terry Proffer to Everyone:

Need to list any incentives with the <https://www.dsireusa.org/> data base.

From Lee Valenzuela to Everyone:

DenverClimateRebates.com

Denvergov.org/HomeEnergy

| MEETING 'RAW' NOTES

| MEETING ATTENDEES [Mark Member / Non-Member*]

1. Pete Perret, GA Larson, Co-Chair
2. Shawn LeMons, Mitsubishi Electric Trane, Co-chair
3. Robert Glass, Daikin
4. Sam Beeson, Mitsubishi Electric Trane
5. Scott Muhonen, Vista Sales [Bosch]
6. Rob Foley, ICAST
7. Chris Prato, Energy Solutions - member

8. Doug Bursnal
9. Jeff Tejral, City & County Denver - Speaker
10. Kasey Provorse, ED Energy Smart Colorado - member
11. Kevin Steinke, Carrier Corporate
12. Denise Grim, Boulder County
13. Matt Baker, Daikin
14. Jim Meyers, SWEEP
15. Lee Valenzwela City & County Denver - Speaker
16. Terry Proffer, Major Geothermal
17. Scott Suddreth, Platte River Power Authority (PRPA)
18. Ann Kirkpatrick, Xcel Energy
19. Jason Adams, Sanders & Johnson

POST MEETING NOTES

“Denise G. and Ann. Discussion following the meeting. Questions about the HP Forecast project with RMI. What is the source and basis for the analytics in the “hockey stick HP Acceleration Forecast chart” – Does include commercial & residential?”

Patricia: We are focusing on residential/light commercial (typically under 25K SF) first... where residential non-commercial grade equipment with single-phase in AHRI segments are often installed. Not 3-phase heavy or industrial commercial equipment.”

I’m meeting with the co-chair leads on the Forecast ad hoc Action Group next week – Shawn L, Pete P, and Matt B. We’re summarizing our HP Acceleration Forecast “goals, methodology, metrics, and outcomes” for RMI and hope to be ready to share with the larger group at the Aug 4th meeting.

Also, once we get this outlined, the Next Step is to send our summary to RMI’s Data Analytics Team about how to project this type of analysis using the new metric of “Carbon Reduction savings” instead of the “Energy Efficiency Savings” metrics we used based on solid market data we could model. Then we’ll set up the larger ad hoc Action Group meeting to work on this further with all of these inputs.