

NYS Clean Heat Working Group Series

for Participating Contractors & Industry Partners

Session #17

June 12, 2023 9:00 am–10:00 am

NYS Clean Heat
Joint Management Committee



NYS Clean Heat

Agenda

- > **Meeting procedures** (2m)
- > **Welcome** (2m)
- > **Safety Message** (2m)
- > **JMC updates and discussion** (45m)
 - Reminders and announcements
 - Incentive level changes
 - Heat Recovery Chillers
 - Air-to-Water Heat Pumps
 - Attention Required Application Items
- > **Stakeholder Presentations**
 - *None submitted this quarter*
- > **Resources, support, and next steps** (5m)

Meeting procedures

Before beginning, a few reminders:

- > **All attendees will be muted**
 - > For questions or comments throughout, please use either the Raise Hand or Q&A functions
 - > Select the Raise Hand icon in the bottom toolbar, or hover your mouse over your name in the Attendees list in order to see the Raise Hand icon displayed
 - > When you have finished asking your question, select the Raise Hand icon again to lower your hand
 - > If an attendee opts to use the Raise Hand function to ask a question or make a comment, the meeting moderator will call on that attendee and unmute individually
 - > When using the Q&A function, please be sure that your question is directed to “All Panelists”, rather than one specific individual
 - > Q&A function is private – the team will share public responses as appropriate
- > Slides, notes, and a compilation of Q&As will be posted after the meeting
- > If technical issues arise, please contact NYSCleanHeat@ceadvisors.com



Welcome

Joint Management Committee (JMC) Co-Chairs:

- > **Julie Hawkins**, National Grid
- > **Will Xia**, NYSERDA

> Other JMC Members:

- **Ray Cotto**: Central Hudson
- **Toby Hyde**: Con Edison
- **Jim MacMartin**: National Grid
- **Nicole Williams**: NYSEG, RG&E
- **Mark Maloney**: Orange & Rockland

> Our implementation team today:

- **Kenn Latal**: ICF
- **Tim Walsh**: ICF

> Our Working Group support team:

- **Ben Davis**: Concentric
- **Pieter Zwart**: Concentric
- **Clara-Ann Joyce**: Concentric

Working Group Series

Review of typical meeting format

- > **Working meetings between Participating Contractors, industry partners, and other stakeholders with the NYS Clean Heat Program Administrators**
- > To foster:
 - Transparency
 - Coordination and communication
 - Prioritization
 - Solution development

Working Group Series

Review of typical meeting format

- > **Updates on previous topics** (various)
- > **Stakeholder presentations (None this session)**
 - Presentation (5m)
 - Discussion time will vary by topic (5-30m)

Safety Message: Air Quality Awareness

- AQI = Air Quality Index
- Red and above means impacts will be more widely felt by general population; sensitive groups may see impacts at lower levels of pollution

| Daily AQI Color | Levels of Concern | Values of Index |
|-----------------|--------------------------------|-----------------|
| Green | Good | 0 to 50 |
| Yellow | Moderate | 51 to 100 |
| Orange | Unhealthy for Sensitive Groups | 101 to 150 |
| Red | Unhealthy | 151 to 200 |
| Purple | Very Unhealthy | 201 to 300 |
| Maroon | Hazardous | 301 and higher |



Safety Message: Air Quality Awareness

Staying safe:

1. Visit <https://www.airnow.gov/> to see current air quality stats in your area
2. Choose shorter, less strenuous outdoor activities (walk instead of run)
3. Mask up
 1. N95 or respirator mask
4. Consider an air purifier
5. People with heart or lung disease, older adults, children and teens should be extra vigilant



Reminders and Announcements

- > Sizing and Design Training: June 1 deadline is extended to June 30
 - Find courses on Clean Heat Connect: <https://cleanheatconnect.ny.gov/calendar/>
 - Reach out to your distributor if you do not see a course for your manufacturer
 - Submit certificates of completion to your account manager and nyscleanheat@icf.com
 - OIT credentials will be disabled if submission is not received by June 30 deadline
- > Reminder: customers may not receive incentives for both heat pump and gas space heating equipment for the same project
- > Please ensure that contractor contact information is up to date. Contact your account manager or email nyscleanheat@icf.com for changes

Incentive Level Changes

- > Clean Heat is completing midpoint program review
- > Allotted savings targets increasing relative to budgets over time
- > Transitioning from aggressive adoption to sustainable go-forward structure
- > Incentive updates meet the need for program efficiency as a result
- > Removal of Category 1 partial load to focus incentives on systems that fully displace fossil heating and where customers will see the most efficiency
- > Custom Updates: Provide substantial offering while maintaining cost-efficiency through updated rebate levels and project caps
- > New Clean Heat Program Manual and Calculators will be published September 1

NYS Clean Heat Program Incentive Changes Announced June 1, 2023

Central Hudson

| Category | Description | Total Incentives | | | Participating Contractor Reward ¹ | |
|----------|--|-------------------------------|------------------------------|-----------------------------------|--|---------------------|
| | | Current | Effective 9/1/2023 | Unit | Current | Effective 9/1/2023 |
| 1 | ccASHP: Partial Load Heating | \$200 | <i>Discontinued</i> | \$/Unit | \$100/Unit | <i>Discontinued</i> |
| 2 | ccASHP: Full Load Heating | \$500 | \$500 | \$/10,000 Btu/h | \$300/Project | \$300/Project |
| 2a | ccASHP: Full Load Heating with Integrated Controls | \$700 | \$700 | \$/10,000 Btu/h | \$500/Project | \$500/Project |
| 2b | ccASHP: Full Load Heating with Decommissioning | \$1,000 | \$1,000 | \$/10,000 Btu/h | \$500/Project | \$500/Project |
| 4 | Custom Space Heating | \$80 | \$70 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 4a | Custom Space Heating Plus Envelope | Tier 1: \$80 Tier 2: \$100 | Tier 1: \$70 Tier 2: \$80 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 6 | Custom Hot Water Heating Applications | \$80 | \$70 | \$/MMBTU of annual energy savings | | |
| 9 | Simultaneous Installation of Space Heating & Water Heating | \$250 | <i>Discontinued</i> | \$/ Project | \$250/Project | <i>Discontinued</i> |

| |
|------------------|
| Incentive Change |
| No Change |

¹ A portion of the total incentive that may be retained by the Participating Contractor

NYS Clean Heat Program Incentive Changes Announced June 1, 2023

National Grid

Note: the Category 1 ccASHP: Partial Load Heating incentive change is effective on Jan 1, 2024. Other incentive changes are effective Sept. 1, 2023.

| Category | Description | Total Incentives | | | Participating Contractor Reward ¹ | |
|----------|--|-------------------------------|------------------------------|-----------------------------------|--|---------------------|
| | | Current | Effective 9/1/2023 | Unit | Current | Effective 9/1/2023 |
| 2 | ccASHP: Full Load Heating | \$1,000 | \$800 | \$/10,000 Btu/h | \$500/Project | \$300/Project |
| 2a | ccASHP: Full Load Heating with Integrated Controls | \$1,200 | \$1,000 | \$/10,000 Btu/h | \$500/Project | \$500/Project |
| 2b | ccASHP: Full Load Heating with Decommissioning | \$1,400 | \$1,200 | \$/10,000 Btu/h | \$500/Project | \$500/Project |
| 4 | Custom Space Heating | \$80 | \$70 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 4a | Custom Space Heating Plus Envelope | Tier 1: \$80 Tier 2: \$100 | Tier 1: \$70 Tier 2: \$80 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 6 | Custom Hot Water Heating Applications | \$80 | \$70 | \$/MMBTU of annual energy savings | | |
| 9 | Simultaneous Installation of Space Heating & Water Heating | \$250 | <i>Discontinued</i> | \$/ Project | \$250/project | <i>Discontinued</i> |

| |
|------------------|
| Incentive Change |
| No Change |

| Category | Description | Current | Effective 1/1/2024 | Unit | Current | Effective 1/1/2024 |
|----------|------------------------------|---------|---------------------|---------|------------|---------------------|
| 1 | ccASHP: Partial Load Heating | \$500 | <i>Discontinued</i> | \$/Unit | \$100/unit | <i>Discontinued</i> |

¹ A portion of the total incentive that may be retained by the Participating Contractor

NYS Clean Heat Program Incentive Changes Announced June 1, 2023

NYSEG/RG&E

| Category | Description | Total Incentives | | | Participating Contractor Reward ¹ | |
|----------|--|-------------------------------|------------------------------|-----------------------------------|--|---------------------|
| | | Current | Effective 9/1/2023 | Unit | Current | Effective 9/1/2023 |
| 1 | ccASHP: Partial Load Heating | \$500 | <i>Discontinued</i> | \$/Unit | \$100/Unit | <i>Discontinued</i> |
| 2 | ccASHP: Full Load Heating | \$1,000 | \$800 | \$/10,000 Btu/h | \$500/Project | \$300/Project |
| 2a | ccASHP: Full Load Heating with Integrated Controls | \$1,200 | \$1,000 | \$/10,000 Btu/h | \$500/Project | \$500/Project |
| 2b | ccASHP: Full Load Heating with Decommissioning | \$1,400 | \$1,200 | \$/10,000 Btu/h | \$500/Project | \$500/Project |
| 4 | Custom Space Heating | \$80 | \$70 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 4a | Custom Space Heating Plus Envelope | Tier 1: \$80 Tier 2: \$100 | Tier 1: \$70 Tier 2: \$80 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 6 | Custom Hot Water Heating Applications | \$80 | \$70 | \$/MMBTU of annual energy savings | | |
| 9 | Simultaneous Installation of Space Heating & Water Heating | \$250 | <i>Discontinued</i> | \$/ Project | \$250/project | <i>Discontinued</i> |

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|------------------|
| Incentive Change |
| No Change |

¹ A portion of the total incentive that may be retained by the Participating Contractor

NYS Clean Heat Program Incentive Changes Announced June 1, 2023

Orange & Rockland

| Category | Description | Total Incentives | | | Participating Contractor Reward ¹ | |
|----------|--|-------------------------------|------------------------------|-----------------------------------|--|---------------------|
| | | Current | Effective 9/1/2023 | Unit | Current | Effective 9/1/2023 |
| 1 | ccASHP: Partial Load Heating | \$200 | <i>Discontinued</i> | \$/Unit | \$100 | <i>Discontinued</i> |
| 2 | ccASHP: Full Load Heating | \$700 | \$700 | \$/10,000 Btu/h | \$500/project | \$500/project |
| 2a | ccASHP: Full Load Heating with Integrated Controls | \$1,200 | \$1,000 | \$/10,000 Btu/h | \$750/Project | \$750/Project |
| 2b | ccASHP: Full Load Heating with Decommissioning | \$1,800 | \$1,400 | \$/10,000 Btu/h | \$1,000/Project | \$1,000/Project |
| 4 | Custom Space Heating | \$80 | \$70 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 4a | Custom Space Heating Plus Envelope | Tier 1: \$80 Tier 2: \$160 | Tier 1: \$70 Tier 2: \$80 | \$/MMBTU of annual energy savings | \$500/Project | \$500/Project |
| 6 | Custom Hot Water Heating Applications | \$80 | \$70 | \$/MMBTU of annual energy savings | | |
| 9 | Simultaneous Installation of Space Heating & Water Heating | \$250 | <i>Discontinued</i> | \$/ Project | \$250 | <i>Discontinued</i> |

| |
|------------------|
| Incentive Change |
| No Change |

¹ A portion of the total incentive that may be retained by the Participating Contractor

Heat Recovery Chillers and Heat Pump Chillers

- > Heat Recovery Chillers (“HRC”) and Heat Pump Chillers (“HPC”) are eligible to receive Clean heat incentives beginning on September 1, 2023
- > Will be eligible under custom space and water heating categories (4, 4a, and 6)
 - Must be primarily used for heating
 - Will be subject to the same incentive limitations as all other heat pump projects
- > Must meet or exceed the minimum efficiency requirements at the operating conditions set forth in ASHRAE Standard 90.1-2022, Table 6.8.1-16
- > Incentives for HRC and HPC will only be available in utility service territories with sufficient budget availability (Con Edison, National Grid and NYSEG, as of June 12)

Air-to-Water Heat Pumps

- > The New York Technical Resource Manual (“TRM”) Management Committee plans to adopt a Residential Air-to-Water Heat Pump (“AWHP”) measure into the TRM in July 2023
- > The Clean Heat program plans to begin offering incentives for AWHPs on September 1, 2023
- > AWHPs must provide full load heating for the entire space over the scope of the project
- > Incentives for AWHP are in design, but will likely be close to each utility’s Category 2 rates in value and structure

Common Application Attention Required Reasons (1/3)

| Attention Required Reason | Resolution |
|---|--|
| Incentive on submitted Customer Acknowledgement form/Invoice does not match utility calculated incentive. | Use the NYS Clean Heat Prescriptive Incentive Calculator to ensure the incentive is calculated correctly. |
| Customer Acknowledgement form incomplete or needs revision. | Ensure all sections of the Customer Acknowledgement form are complete and the Customer incentive is entered correctly from the NYS Clean Heat Calculator. |
| Applicant name on Customer Acknowledgement form/invoice does not match electric utility account holder. | Name and address from the electric utility account must match the Customer Acknowledgement form and invoice. Contractors can request customer provide their latest electric utility bill to confirm. |

- [NYS CleanHeat Prescriptive Incentive Calculator \(Excel\)](#)
- Reach out to your [Account Manager](#) with questions regarding any Attention Required Applications.

Common Application Attention Required Reasons (2/3)

| Attention Required Reason | Resolution |
|--|---|
| Manual J heating design temperature is below 5°F and no equipment heating capacity below 5°F submitted with application. | Provide expanded heating charts from manufacturer showing equipment capacity below 5°F to confirm capacity at design temperature. |
| Manual J design temperatures outside +/-5°F of the approved Program Manual ASHRAE design temperatures based on project location. | Submit updated Manual J with heating and cooling design temperatures within +/-5°F from the recommended temperatures based on project zip code from the NYS Clean Heat Prescriptive Calculator. |

- [NYS CleanHeat Prescriptive Incentive Calculator \(Excel\)](#)
- Reach out to your [Account Manager](#) with questions regarding any Attention Required Applications.

Common Application Attention Required Reasons (3/3)

| Attention Required Reason | Resolution |
|--|--|
| Missing or illegible installation/nameplate photos. | New installation/nameplate photos will need to be submitted. Ensure model and S/N are clear and legible. |
| Decommissioning checklist incomplete/missing or missing pre and post decommissioning photos. | New Decommissioning checklist or photos need to be submitted. |

- [NYSCH Decommissioning Checklist: CH&G, NGRID, NYSEG, O&R and RG&E \(PDF\)](#)
- [NYSCH Decommissioning Checklist: Con Edison Residential \(PDF\)](#)
- Reach out to your [Account Manager](#) with questions regarding any Attention Required Applications.

Stakeholder Updates

- > No formal submissions received. Additional topics encouraged to be coordinated via JMC through nyscleanheat@ceadvisors.com.

Reminder: Meeting Cadence

- > The JMC has moved PC&IP meeting cadence to quarterly, with meetings scheduled in early June, September, January and March.
 - Aligns with future program announcements and updates moving forward
 - Continuous feedback is still encouraged through program representatives and NYS Clean Heat email inboxes
 - Lengthening time between meetings will allow stakeholders more time to prepare topics and engage with the JMC individually and in small groups on discussion topics
- > Utilities expect to increase engagement and outreach with individuals and small groups to align on potential program adjustments and get additional feedback from the industry

Resources, Support, and Next Steps

- > Next PC&IP meeting on **September 14th, 2023** (9:00 AM-10 AM)
 - Please submit potential topics for the next Working Group by **September 7th** via email to NYSCleanHeat@ceadvisors.com or directly to your utility partner.
- > **Email blasts** – twice per quarter
 1. Early week following Working Group: next steps, including slides, meeting notes and Q&A
 2. Week prior to meeting: Agenda items and report-out on prior items
- > NYSCleanHeat@ceadvisors.com – for *program*-related inquiries
- > NYSCleanHeat@icf.com and (844) 212-7823 for *project*-related inquiries
- > NYS Clean Heat Website - (<https://cleanheat.ny.gov/contractor-resources/>)

NYS Clean Heat Project Status Inquiry Process

Project inquiries

1. Contractor reaches out to their dedicated account manager (AM) for issue resolution first
2. If the AM does not respond within three days, contact NYSCleanHeat@icf.com or the Utility Program Manager as listed below. These Program Managers work for their respective utilities, which have contracted with ICF to handle applications.

Utility Program Manager contacts

- > **Central Hudson:** Ray Cotto, Assoc. Energy Efficiency Program Manager
Phone: (845) 486-5750, Email: RCotto@cenhud.com
- > **Con Edison:** Toby Hyde, Section Manager, Phone: (917) 565-6911, Email: hydett@coned.com, Dan Krupa, Sr. Specialist, Phone: (917) 509-8631, Email: krupad@coned.com
- > **National Grid:** Jim MacMartin - Senior Program Manager, Customer Energy Integration
315-427-0723, Email: James.MacMartin@nationalgrid.com
- > **NYSEG/RG&E:** Nicole Williams - Program Manager, Conservation and Load Management
Phone: 585-484-6592, Email: nicole.williams@nyseg.com
- > **Orange & Rockland:** Mark Maloney Phone: (845) 577-2368, Email: maloneym@oru.com

Additional Resources

> Co-chair contacts

- **Julie Hawkins**, National Grid: Phone: (315) 776-1006, Email: Julie.Hawkins@nationalgrid.com
- **Will Xia**, NYSERDA: Phone: (332) 323-8368 (m) , Email: William.Xia@nyserda.ny.gov

- > All program documents are located on the NYS Clean Heat Resources page (<https://cleanheat.ny.gov/contractor-resources/>)
- > All regulatory proceeding documents are located on the NYS DMM (<http://documents.dps.ny.gov/public/MatterManagement/CaseMaster.aspx?Mattercaseno=18-M-0084>)
- > Additional program resources are available on the Clean Heat Connect website (<https://cleanheatconnect.ny.gov/>)

Thank you!

