

Spuckler, Amanda (DLI)

From: Reid Aleckson <raleckson@j-berd.com>
Sent: Wednesday, October 19, 2022 4:00 PM
To: RULES, DLI (DLI)
Subject: Amanda Spuckler

This message may be from an external email source.

Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

I'm concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Reid Aleckson

Sent from my iPhone

Spuckler, Amanda (DLI)

From: Jesse Anderson <janderson1@j-berd.com>
Sent: Wednesday, October 19, 2022 3:36 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Jesse Anderson

Jesse Anderson
Plumbing Foreman
J-Berd Mechanical
320-250-6033

Spuckler, Amanda (DLI)

From: Richard Becker <richardb@steeneng.com>
Sent: Wednesday, October 19, 2022 7:38 AM
To: Spuckler, Amanda (DLI)
Cc: Wysokinski, Brittany (DLI)
Subject: Request for hearing

This message may be from an external email source.

Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

Amanda,

I tried sending my request email to the one listed in the notice of intent to adopt but it bounced back to me. So I wanted to reach out to you and Brittany given that failure.

Thanks.

I am requesting a hearing related to the proposed adoption of ASHRAE 90.1-2019 as the Minnesota Energy Code.

My name is Richard Becker

My address is 7710 Everest Ln N, Maple Grove, MN 55311

The portion of the proposed rules I object to is 6.5.6.1.1, related to exhaust energy recovery for non transient dwelling units.

As we all know, we are currently facing a lack of available affordable housing in Minnesota. This section would require energy recovery for all non-transient dwelling units. This requirement would add significant cost and unnecessary complexity to dwelling units.

In a best case scenario this cost would be in the neighborhood of \$2,000 - \$3,000 per dwelling unit. And dependent on the situation, the cost could be even higher than that. For a 100 unit apartment building that would mean a \$200,000 to \$300,000 increase in cost for the HVAC system. Unfortunately increased costs like this will likely be passed down to the renters, increase rent prices, and decreasing the affordability of rental housing.

I propose that section 6.5.6.1.1 not be adopted as part of adopting ASHRAE 90.1-2019.

Thank you for your time.

Richard Becker, PE

Richard Becker, PE | Vice President & Principal | Steen Engineering, Inc. | [763-235-4802](tel:763-235-4802) | richardb@steeneng.com

Spuckler, Amanda (DLI)

From: Olivia Benkowski <obenkowski@j-berd.com>
Sent: Wednesday, October 19, 2022 2:30 PM
To: RULES, DLI (DLI)
Subject: Energy Code
Attachments: Recommendation to MDLI ASHRAE 90.1 Adoption..docx

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Good Afternoon,

Please see attached.

Thanks,

Olivia Benkowski

Assistant Project Manager

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.0312

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Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

Olivia Benkowski

Spuckler, Amanda (DLI)

From: Jeff Bovitz <jbovitz@j-berd.com>
Sent: Wednesday, October 19, 2022 2:42 PM
To: RULES, DLI (DLI)
Subject: Energy Code Changes

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Thanks!

Jeffrey Bovitz

CFO/IT

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd, Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.0312

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Spuckler, Amanda (DLI)

From: Mark Brengman <markbr@steeneng.com>
Sent: Wednesday, October 19, 2022 8:05 AM
To: Spuckler, Amanda (DLI)
Cc: Wysokinski, Brittany (DLI)
Subject: Request for hearing

This message may be from an external email source.

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Hello Amanda,

I am requesting a hearing related to the proposed adoption of ASHRAE 90.1-2019 as the Minnesota Energy Code. My name is Mark Brengman, Principal and President of Steen Engineering based out of Crystal, MN and I am a licensed professional engineer in the state of MN.

My address is 10104 Chestnut Circle N, Brooklyn Park, MN 55443

The portion of the proposed rules I object to is 6.5.6.1.1, related to exhaust energy recovery for non transient dwelling units.

As we all know, we are currently facing a lack of available affordable housing in Minnesota. This section would require energy recovery for all non-transient dwelling units. This requirement would add significant cost and unnecessary complexity to dwelling units and much needed affordable multi-family housing development.

In a best case scenario this cost would be in the neighborhood of \$2,000 - \$3,000 per dwelling unit. And dependent on the situation, the cost could be even higher than that. For a 100 unit apartment building that would mean a \$200,000 to \$300,000 increase in cost for the HVAC system. Unfortunately increased costs like this will likely be passed down to the renters, increase rent prices, and decreasing the affordability of rental housing.

I propose that section 6.5.6.1.1 not be adopted as part of adopting ASHRAE 90.1-2019.

Thank you for your consideration.

Mark Brengman, PE | [LEED® AP](#) | President & Principal | Steen Engineering, Inc. | (763) 235-4780 | c (612) 269-5956 | markbr@steeneng.com

Spuckler, Amanda (DLI)

From: Adam Brix <abrix@j-berd.com>
Sent: Wednesday, October 19, 2022 2:33 PM
To: RULES, DLI (DLI)
Subject: RE: Public Hearing

I am concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

Thank you,

Adam Brix

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.1856

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From: RULES, DLI (DLI) [<mailto:dli.rules@state.mn.us>]
Sent: Wednesday, October 19, 2022 2:31 PM
To: Adam Brix <abrix@j-berd.com>
Subject: RE: Public Hearing

As a part of your hearing request, you must identify the portion of the rules that you object to or state that you oppose the entire set of rules. It is helpful if you explain the reason for the request and any changes you want made to the proposed rules so that the Department can prepare a response if there is a hearing on the matter.

Thank you.

Amanda Spuckler

Rules Specialist and Outreach | Education, Rules and Code Development

Minnesota Department of Labor and Industry

443 Lafayette Road N., St. Paul, MN 55155

Phone: (651) 284-5361 | Web: www.dli.mn.gov



From: Adam Brix <abrix@j-berd.com>
Sent: Wednesday, October 19, 2022 2:28 PM

To: RULES, DLI (DLI) <dli.rules@state.mn.us>

Subject: Public Hearing

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Hello,

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Adam Brix

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.1856

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Spuckler, Amanda (DLI)

From: Matt Broda <mbroda@j-berd.com>
Sent: Wednesday, October 19, 2022 4:28 PM
To: RULES, DLI (DLI)
Subject: attention Amanda Suckler

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I'm concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Matthew Broda

Matt Broda
J-Berd Mechanical Contractors
Cell # 320-241-9805

Spuckler, Amanda (DLI)

From: Ross Bundy <rbundy@j-berd.com>
Sent: Wednesday, October 19, 2022 4:02 PM
To: RULES, DLI (DLI)
Subject: Att Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Ross Bundy

J-Berd Mechanical Contractors
(320)248-9142
rbundy@j-berd.com
Sent from my iPhone

Spuckler, Amanda (DLI)

From: Eric Carstensen <ecarstensen@j-berd.com>
Sent: Wednesday, October 19, 2022 4:23 PM
To: RULES, DLI (DLI)
Subject: Amanda Spuckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Eric Carstensen

Sent from my iPad

Spuckler, Amanda (DLI)

From: Adam Cragoe <acragoe@j-berd.com>
Sent: Wednesday, October 19, 2022 4:10 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,
Adam Cragoe

Sent from my iPhone

Spuckler, Amanda (DLI)

From: Ken Eggert <ken@berdelectric.com>
Sent: Wednesday, October 19, 2022 3:12 PM
To: RULES, DLI (DLI)
Subject: RE: ASHRAE Standard 90.1-2019

Hi Amanda,

I am concerned with requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.

Thanks,

Ken Eggert

Project Manager

[Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Mobile: 320.290.9568

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From: RULES, DLI (DLI) <dli.rules@state.mn.us>
Sent: Wednesday, October 19, 2022 2:24 PM
To: Ken Eggert <ken@berdelectric.com>
Subject: RE: ASHRAE Standard 90.1-2019

Dear Mr. Eggert,

As a part of your hearing request, you must identify the portion of the rules that you object to or state that you oppose the entire set of rules. It is helpful if you explain the reason for the request and any changes you want made to the proposed rules so that the Department can prepare a response if there is a hearing on the matter.

Thank you.

Amanda Spuckler

Rules Specialist and Outreach | Education, Rules and Code Development

Minnesota Department of Labor and Industry

443 Lafayette Road N., St. Paul, MN 55155

Phone: (651) 284-5361 | Web: www.dli.mn.gov



From: Ken Eggert <ken@berdelectric.com>
Sent: Wednesday, October 19, 2022 2:15 PM
To: RULES, DLI (DLI) <dli.rules@state.mn.us>
Subject: ASHRAE Standard 90.1-2019

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I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Ken Eggert

Project Manager

[Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Mobile: 320.290.9568

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Spuckler, Amanda (DLI)

From: Garrett Eischens <GEischens@j-berd.com>
Sent: Wednesday, October 19, 2022 2:34 PM
To: RULES, DLI (DLI)
Subject: Re: Amanda Spuckler

I'm concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

Garrett Eischens

Thanks, Garrett
HVAC Supervisor
J-Berd Mechanical
320-293-2669
Sent from my iPhone

On Oct 19, 2022, at 1:29 PM, RULES, DLI (DLI) <dli.rules@state.mn.us> wrote:

Dear Mr. Eischens,

As a part of your hearing request, you must identify the portion of the rules that you object to or state that you oppose the entire set of rules. It is helpful if you explain the reason for the request and any changes you want made to the proposed rules so that the Department can prepare a response if there is a hearing on the matter.

Also, please include your full name in your request.

Thank you.

From: Garrett Eischens <GEischens@j-berd.com>
Sent: Wednesday, October 19, 2022 2:24 PM
To: RULES, DLI (DLI) <dli.rules@state.mn.us>
Subject: Amanda Spuckler

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I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Thanks, Garrett
HVAC Supervisor
J-Berd Mechanical
320-293-2669
Sent from my iPhone

10-19-2022

Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

X *Will Loh*

(Name)

Spuckler, Amanda (DLI)

From: Brady Grundhoefer <bgrundhoefer@j-berd.com>
Sent: Wednesday, October 19, 2022 4:18 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Spuckler

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I am concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Brady Grundhoefer

Spuckler, Amanda (DLI)

From: Keith Haag <KHaag@j-berd.com>
Sent: Wednesday, October 19, 2022 2:33 PM
To: RULES, DLI (DLI)
Subject: RE: Public Hearing notice

Amanda

I am concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

Keith Haag

From: RULES, DLI (DLI) <dli.rules@state.mn.us>
Sent: Wednesday, October 19, 2022 2:31 PM
To: Keith Haag <KHaag@j-berd.com>; RULES, DLI (DLI) <dli.rules@state.mn.us>
Subject: RE: Public Hearing notice

As a part of your hearing request, you must identify the portion of the rules that you object to or state that you oppose the entire set of rules. It is helpful if you explain the reason for the request and any changes you want made to the proposed rules so that the Department can prepare a response if there is a hearing on the matter.

Thank you.

Amanda Spuckler

Rules Specialist and Outreach | Education, Rules and Code Development

Minnesota Department of Labor and Industry

443 Lafayette Road N., St. Paul, MN 55155

Phone: (651) 284-5361 | Web: www.dli.mn.gov



From: Keith Haag <KHaag@j-berd.com>
Sent: Wednesday, October 19, 2022 2:27 PM
To: RULES, DLI (DLI) <dli.rules@state.mn.us>
Subject: Public Hearing notice

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Amanda

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Keith Haag

Spuckler, Amanda (DLI)

From: Chad Hanson <mechdesinger@gmail.com>
Sent: Wednesday, October 19, 2022 7:34 AM
To: RULES, DLI (DLI)
Subject: RE: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

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Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC equipment in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

Chad Hanson

10/19/2022

Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will be challenging to add due to the service space required by such equipment, the either added soffit and/or radiation dampers needed to run these ducts back up into the floor/ceiling assembly. It is also likely that the added 6" wall cap from the ERV exhaust (Intake cap is already figured for O/A duct) will be very challenging to place on Multi-family Apartments if the dwelling unit still has a dedicated exhaust fan(s) for the bathrooms. It is already very challenging to keep code required separation between environmental exhaust air, combustion air and outdoor air penetrations on apartment buildings. The additional wall caps will be difficult to incorporate.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

A handwritten signature in black ink, appearing to read "Jeremy Hartneck". The signature is fluid and cursive, with a large initial "J" and "H".

Jeremy Hartneck

12015 3rd Ave

Plymouth, MN 55441

Spuckler, Amanda (DLI)

From: Justin Hellevik <justin.b.hellevik@gmail.com>
Sent: Wednesday, October 19, 2022 7:31 AM
To: RULES, DLI (DLI)
Subject: Proposed permanent Rules to Amend Minnesota Rules, Chapter 1323 "Commercial Energy Code"

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Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HAVC equipment in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant. I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the afore mentioned section.

Sincerely,
Justin Hellevik

Spuckler, Amanda (DLI)

From: Megan Henkemeyer <MHenkemeyer@j-berd.com>
Sent: Wednesday, October 19, 2022 2:50 PM
To: RULES, DLI (DLI)
Subject: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

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Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Non-transient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Megan Henkemeyer

Marketing Communications Manager

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Direct: 320.640.7021

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Spuckler, Amanda (DLI)

From: Nate Henning <nhenning@j-berd.com>
Sent: Wednesday, October 19, 2022 3:55 PM
To: RULES, DLI (DLI)
Subject: Attn, Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Thanks
Nate Henning
Lead Plumbing Foreman
J-Berd Mechanical Contractors Inc.
#320-333-3794

Spuckler, Amanda (DLI)

From: Mike j <rapidhines@gmail.com>
Sent: Wednesday, October 19, 2022 7:38 AM
To: RULES, DLI (DLI)
Subject: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

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Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC equipment in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the afore mentioned section.

Sincerely,

Michael Hines

Spuckler, Amanda (DLI)

From: Brock Iverson <brock@berdelectric.com>
Sent: Wednesday, October 19, 2022 4:24 PM
To: RULES, DLI (DLI)
Subject: ASHRAE 90.1 Code Changes

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I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

I am concerned with requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1

Thanks,

Brock Iverson

General Manager

[Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.0312

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Spuckler, Amanda (DLI)

From: Derek Johnson <djohnson@j-berd.com>
Sent: Wednesday, October 19, 2022 4:01 PM
To: RULES, DLI (DLI)
Subject: Amanda Spuckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sent from my iPhone

Spuckler, Amanda (DLI)

From: Mitch Kingston <mkingston@j-berd.com>
Sent: Wednesday, October 19, 2022 3:29 PM
To: RULES, DLI (DLI)
Subject: Attn: Amanda Spuckler

This message may be from an external email source.

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Mitch Kingston
J-berd Mechanical

Spuckler, Amanda (DLI)

From: Nick Klimek <nklimek@j-berd.com>
Sent: Wednesday, October 19, 2022 4:24 PM
To: RULES, DLI (DLI)
Subject: Attn. Amanda suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,
Thanks,
Nick Klimek
Plumbing Foreman
J-Berd Mechanical Contractors
320-292-1059 cell

Spuckler, Amanda (DLI)

From: Tanner Koetter <tanner@berdelectric.com>
Sent: Wednesday, October 19, 2022 2:32 PM
To: RULES, DLI (DLI)
Subject: RE: ASHRAE 90.1 Code Changes

I am concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1

Thanks,

Tanner Koetter

Electrical Designer

[Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.0312

From: RULES, DLI (DLI) <dli.rules@state.mn.us>
Sent: Wednesday, October 19, 2022 2:25 PM
To: Tanner Koetter <tanner@berdelectric.com>; RULES, DLI (DLI) <dli.rules@state.mn.us>
Subject: RE: ASHRAE 90.1 Code Changes

Dear Mr. Koetter,

As a part of your hearing request, you must identify the portion of the rules that you object to or state that you oppose the entire set of rules. It is helpful if you explain the reason for the request and any changes you want made to the proposed rules so that the Department can prepare a response if there is a hearing on the matter.

Thank you.

Amanda Spuckler

Rules Specialist and Outreach | Education, Rules and Code Development

Minnesota Department of Labor and Industry

443 Lafayette Road N., St. Paul, MN 55155

Phone: (651) 284-5361 | Web: www.dli.mn.gov



From: Tanner Koetter <tanner@berdelectric.com>
Sent: Wednesday, October 19, 2022 2:17 PM
To: RULES, DLI (DLI) <dli.rules@state.mn.us>
Subject: ASHRAE 90.1 Code Changes

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I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Tanner Koetter

Electrical Designer

[Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.0312

Spuckler, Amanda (DLI)

From: JOSH MARTINSON <jmartinson43@gmail.com>
Sent: Wednesday, October 19, 2022 7:41 AM
To: RULES, DLI (DLI)
Subject: RE: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

This message may be from an external email source.

Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC equipment in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

Josh Martinson

Spuckler, Amanda (DLI)

From: Tony McClelland <tmcclelland@j-berd.com>
Sent: Wednesday, October 19, 2022 3:57 PM
To: RULES, DLI (DLI)
Subject: Amanda Spuckler

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concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Tony McClelland

Sent from my iPad

Spuckler, Amanda (DLI)

From: JON MICK <jonnywad58@icloud.com>
Sent: Wednesday, October 19, 2022 3:50 PM
To: RULES, DLI (DLI)
Subject: Amanda Spuckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Jon Mick

Sent from my iPhone

Spuckler, Amanda (DLI)

From: Patrick Murray <pmurray@j-berd.com>
Sent: Wednesday, October 19, 2022 1:48 PM
To: RULES, DLI (DLI)
Subject: Adoption of ASHRAE 90.1-2019 as Commercial Energy Code

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Dear Ms. Spuckler,

I design HVAC systems for multifamily buildings. I have concerns regarding ASHRAE 90.1 section 6.5.6.1.1 *Nontransient Dwelling Units*.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Thank you,

Patrick Murray, P.E.

Spuckler, Amanda (DLI)

From: Trevor Ness <tness@j-berd.com>
Sent: Wednesday, October 19, 2022 4:13 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Trevor ness
J-Berd mechanical
320-345-8952

Spuckler, Amanda (DLI)

From: Austin Petron <apetron@j-berd.com>
Sent: Wednesday, October 19, 2022 3:29 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda suckler

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Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely, Austin Petron

Thank you,
Austin Petron
J-Berd Mechanical Contractors
(320) 345-8280
Apetron@j-berd.com
Sent from my iPhone

Spuckler, Amanda (DLI)

From: Randy Klimek <rklimek@j-berd.com>
Sent: Wednesday, October 19, 2022 3:32 PM
To: RULES, DLI (DLI)
Subject: Amanda spuckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Randy Klimek
J-Berd mechanical

Spuckler, Amanda (DLI)

From: Jason Reinert <JReinert@j-berd.com>
Sent: Wednesday, October 19, 2022 4:08 PM
To: RULES, DLI (DLI)
Subject: Amanda suckler

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I am concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Jason Reinert

Thanks,
Jason Reinert
Plumbing foreman
3203336252

Spuckler, Amanda (DLI)

From: Alex Reis <areis@j-berd.com>
Sent: Wednesday, October 19, 2022 3:31 PM
To: RULES, DLI (DLI)
Subject: Attn: Amanda Spuckler

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I am concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1 I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 Energy Standard for Building Except Low-Rise Residential Buildings.

Sincerely,

Alex Reis
Plumbing Foreman
J-Berd Mechanical Contractors Inc.
320-342-8422

Spuckler, Amanda (DLI)

From: Riley Eiyneck <reiynck2@j-berd.com>
Sent: Wednesday, October 19, 2022 3:51 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Spuckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,
Riley Eiyneck

Spuckler, Amanda (DLI)

From: Joseph Rivera <jrivera@j-berd.com>
Sent: Wednesday, October 19, 2022 4:10 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Suckler

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***I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1
I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019Energy
Standard for Building Except Low-Rise Residential Buildings.***

Sincerely,

Joe Rivera

[J-Berd Mechanical](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Cell: 320.345.8504

Spuckler, Amanda (DLI)

From: Kathleen Rocheleau <krocheleau@j-berd.com>
Sent: Wednesday, October 19, 2022 3:10 PM
To: RULES, DLI (DLI)
Subject: Standard 90.1-2019

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Hello,

I'm concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 Energy Standard for Building Except Low-Rise Residential Buildings.

Sincerely,

Kathleen Rocheleau

Safety Coordinator

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.258.5945

Cell:320.290.0118

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Spuckler, Amanda (DLI)

From: Mike Roettger <MRoettger@j-berd.com>
Sent: Wednesday, October 19, 2022 3:44 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Mike Roettger
Plumbing Lead Foreman
J-Berd Mechanical
320-248-7051

Spuckler, Amanda (DLI)

From: Ryan Rossman <rrossman@j-berd.com>
Sent: Wednesday, October 19, 2022 3:36 PM
To: RULES, DLI (DLI)
Subject: Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Ryan Rossman
J-Berd mechanical
Plumbing foreman
320 250 8040

Spuckler, Amanda (DLI)

From: Cassidy Rothfork <crothfork@j-berd.com>
Sent: Wednesday, October 19, 2022 2:05 PM
To: RULES, DLI (DLI)
Subject: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

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Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

Cassidy Rothfork

Assistant Project Manager

[J-Berd Mechanical](#)

1 Industrial Blvd | Sauk Rapids, MN 56379

Office: 320.656.0847

Spuckler, Amanda (DLI)

From: Russ Eiyneck <REiyneck@j-berd.com>
Sent: Wednesday, October 19, 2022 3:57 PM
To: RULES, DLI (DLI)
Subject: Amanda Spuckler

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Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Russ Eiyneck
Plumbing supervisor
J-Berd Mechanical
320-290-7842

10/19/2022

RE: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Non-transient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

A handwritten signature in black ink that reads "Kurt Saxton". The signature is written in a cursive, flowing style.

Kurt Saxton
10824 Grand Lake Rd
Cold Spring, MN 56320

Spuckler, Amanda (DLI)

From: Dan Skroch <dskroch@j-berd.com>
Sent: Wednesday, October 19, 2022 4:19 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Suckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Daniel Skroch

Dan Skroch
J-Berd Mechanical Contractors Inc.
(320)428-3610

10/19/2022

RE: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state of Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC systems in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Non-transient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

A handwritten signature in black ink, appearing to be 'ES', with a long horizontal line extending to the right.

Eric Stearns
9015 Shoestring Loop NW
Rice, MN 56367

Spuckler, Amanda (DLI)

From: matt toren <mtoren34@live.com>
Sent: Wednesday, October 19, 2022 7:42 AM
To: RULES, DLI (DLI)
Subject: Proposed Permanent Rules to Amend Minnesota Rules, Chapter 1323, "Commercial Energy Code"

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Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

Dear Ms. Spuckler,

The Technical Advisory Group formed to review the potential adoption of ASHRAE 90.1-2019 by the state Minnesota recommended a modification (line item 12) to ASHRAE 90.1 section 6.5.6.1.2. This modification would remove the requirement for exhaust energy recovery when the outdoor airflow rate is under 20%.

As someone who works for a mechanical contractor that designs and installs HVAC equipment in multifamily buildings, I recommend this modification be applied to section 6.5.6.1.1 for *Nontransient Dwelling Units*. Adding energy recovery equipment to every dwelling unit will increase construction cost substantially. Inevitably this cost is then passed on to the tenant.

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings* as it specifically pertains to the aforementioned section.

Sincerely,

Matt Toren

Spuckler, Amanda (DLI)

From: Greg Tryggeseth <GTryggeseth@j-berd.com>
Sent: Wednesday, October 19, 2022 3:02 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Spuckler

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I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Greg Tryggeseth
Plumbing supervisor
J-Berd Mechanical
Cell (320)333-6251

Spuckler, Amanda (DLI)

From: Ashley Wendlandt <awendlandt@j-berd.com>
Sent: Wednesday, October 19, 2022 2:32 PM
To: RULES, DLI (DLI)
Subject: Public hearing

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Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

Hi Amanda,

I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sincerely,

Ashley Wendlandt

[J-Berd Mechanical/Security Fire Sprinkler/Berd Electric](#)

1 Industrial Blvd Sauk Rapids, MN 56379

Office: 320.656.0847 | Fax: 320.656.0312

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Spuckler, Amanda (DLI)

From: Jake Zeis <jzeis@j-berd.com>
Sent: Wednesday, October 19, 2022 3:48 PM
To: RULES, DLI (DLI)
Subject: Attention Amanda Spuckler

This message may be from an external email source.

Do not select links or open attachments unless verified. Report all suspicious emails to Minnesota IT Services Security Operations Center.

I concerned with the requirements of ASHRAE 90.1 – 2019 Section 6.5.6.1.1

I respectfully request a public hearing regarding the adoption of ASHRAE Standard 90.1-2019 *Energy Standard for Building Except Low-Rise Residential Buildings*.

Sent from my iPhone