**SDC 301 CALCULATIONS SC Call Draft Minutes**

March 3rd, 2025 | 1:00 PM – 2:30 PM Eastern

[MEETING RECORDING HERE](https://zoom.us/rec/share/1VLUX10uLOaPO7QZaXgX5_PmtsiOmwHQqHdonfKxPEZrMiS_sKD3sTXD3roxm_ET.FoDP-98-XnTpwi8I)  
Passcode: \*0pGrb#7

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| --- | --- | --- | --- |
| **Members & Staff** | **Present** | **Absent** | **Other Attendees** |
| **Members**  Brian Christensen  Charlie Haack  Gayathri Vijayakumar  Nick Sisler  Philip Fairey  Rob Salcido  Scott Horowitz  William Ranson | **Members**  Philip Fairey  Nick Sisler  Brian Christensen  Scott Horowitz  William Ranson | Charlie Haack  Gayathri Vijayakumar  Rob Salcido | Gary Klein  Laurel Elam  Rick Dixon  Neal Kruis |

Meeting called to order at 1:00 PM ET.

**Approve agenda**

Brian Christensen made a motion to approve the agenda. Gary Klein seconded. The agenda was approved.

**Approve 02/03/2024 meeting minutes (**[**here**](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.dropbox.com_scl_fi_tipzxm7h0wyrl6yqzsw41_SDC-2D301-2DCALCULATIONS-2DSC-2DCall-2DDraft-2DMeeting-2DMinutes-5F2-2D3-2D2025.docx-3Frlkey-3D456exgp6cls3ltjgloiejmmob-26e-3D2-26st-3Dbz82fak4-26dl-3D0&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=y0zDPUzlMNyztHqjTxt9aw27dCQ3l7x39_C6koQaJHM&e=)**)**

Brian made a motion to approve the minutes. Gary seconded. The agenda was approved.

Rick clarified that non-appointed members can motion and/or second motions for subcommittees.

**Status update on Standard and Addenda timing (Rick)**

For 301-2025, the SDC has voted on a draft. An item was identified by Gayathri regarding the use of multifamily residential energy codes where a different approach should be used. This edit will be included as part of PDS-02.

301-2025 and 380-2025 have been approved by ANSI.

Addendum 81 is a supplement to Addendum 76. This is currently out for public comment.

Addendum 85, which covers garages used as sales offices, will go out for public comment soon.

**Discussion on status of Addendum 83f (Rick)**

Addenda I is in place and will stay in effect until the final version is completed. The 301-2022 Addendum D Task Group is also addressing this issue.

**Additional discussion on Addendum 77 (Philip & Rick - files attached)**

There is concern that the analysis needs to be more in-depth for iHPWH. More work will be required to complete these changes in the future. The goal is to get something in place by July 1st to align with changes from 301-2019 and 301-2022.

The objective of this addendum is to define Hybrid iHPWH. Brian noted that this may cause issues for HPWHs that are not hybrid and stated the original objective was to address HPWHs as a whole.  
Philip said the group previously agreed to address only hybrid HPWHs because they would not allow any water heaters that did not meet the water heating demand lows.  
Brian said if a home has an iHPWH that is not hybrid, the Rating process needs to be able to properly handle such. Brian suggested not narrowing the focus to address hybrid only.  
Gary agreed that any iHPWH should be Rated the same.

The phrase *usually above the storage tank* was struck from the definition of iHPWH.

There was discussion on the inclusion of COP=1 for Service Hot Water System simulations in Table 4.2.2(1). The first sentence in v.1 will be struck and it will be possible to have a water heater that does not meet the low.  
*For air-source* was added in v.2.  
*Additionally* was struck and replaced with *If necessary*.  
The reference to tank UA was moved to the end of v.2.

The word *Hybrid* was struck from the definition of iHPWH and the definition was updated.

**Discussion on PDS-02 of Addendum 82 (Neal - file attached)**

N/A

**Re-approval of 301-2019 IRs for 301-2022 (see list below)**

From Philip Fairey via email:

*There needs to be a determination as to whether the IRs that were approved for 301-2019 were incorporated into 301-2022 or whether they need to be re-approved for 301-2022.*

*Standard ANSI/RESNET/ICC 301-2019*

* [*No. 301-2019-001 Fan Energy for Unmeasured Mechanical Ventilation*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D001-2DFanEnergyUnmeasuredMechVentilation-5Ffinal.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=RZC_gHtyDIhOXxtF1Win6U1chyum2N8j-pVdGd9O1qU&e=)
* [*No. 301-2019-002 Ventilation Run Time*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D002-2DVentilation-2DRuntime-2Dand-2DControls-5F6moTP-2D1.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=tqSlPKIpskkp_4E_vuwG3OC4GoKEpGF_r0hwDE1qcY0&e=)
* [*No. 301-2019-003 Total Duct Leakage Used as Duct Leakage to Outside*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D003-5FTotal-2DDuct-2DLeakage-2DResults.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=q4b5oExcIPoF0ooPZExO7BQu7--YIbvEyYmSWOMrbVw&e=)
* [*No. 301-2019-004 Fibrous Insulation Installed on Conditioned Basement and Crawlspace*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D004-5FFibrousInsulationOnConditionedBasementCrawlspace-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=7dxXtR3mezkvBtdgHIk277fR_b6vOV4Ps8DSm8QH0Ac&e=)
* [*No. 301-2019-006 Open Cell Foam Thickness*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D006-5FOpenCellFoamThickness-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=ctPh6B5gGot7POAq1jq5wGYkVNv3CynrDTs2wxjiH3I&e=)
* [*No. 301-2019-007 Radiant Barrier Grading Requirements – Clarification*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D007-5FRadiantBarrierGradingClarification-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=pffUy5SffO-LCDf09ueVETFLiD456zrE5llJMyrsiJk&e=)
* [*No. 301-2019-008 Radiant Barrier Grading Requirements – Roof*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D008-5FRadiantBarrierGradingRoof-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=hgbfHYi8DZ3XU3XgbNwx_pjRmfkMGK_af4UaywRMQhI&e=)
* [*No. 301-2019-009 Dwelling-Unit Mechanical Ventilation System fan watts*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D009Dwelling-2DUnitMechVentSysFanWatts-5FSDC-5Fvf.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=x7avh8hqF1aFfjIFj3oPnxiuquKWPdXdRrVfVEcnVzo&e=)
* [*No. 301-2019-010 Air Barrier Requirements for Floor/Rim/Band in Unconditioned, Unvented Space*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D010Floor-2DRim-2DBand-2DUnconditioned-2DSpace-2DAir-2DBarrier-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=jKMWVo68HvI0Y37D0hnoaVO7d9H9NBFAKuX5gg6S3kI&e=)
* [*No. 301-2019-011 Grading Installation and Modeling compressed R-Values*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D011-5FGrdngInstallModelingCompresd-2DR-2DValue-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=CqttrAUbni_56ctxtyKVxYiMLW2TZbZLdOieKRBhxQU&e=)
* [*No. 301-2019-013 Energy purchased from a Power Purchase Agreement (PPA)*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D013-5FPurchasedEnergy-5Fwebpost.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=SKhW44eHy60k30vmG8lkjhQOhA2R0GZzI654kl-UfDA&e=)
* [*No. 301-2019-012 Wall Insulation Requirements for Cantilever Floor with Conditioned End*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D012-5Fvf-2D1.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=a4xoLjVNAHYGge6da3wx1RB0WePmQqqB74b2IUx8R4U&e=)
* [*No. 301-2019-014 Percentage of Area Required for Visual Insulation Verification*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D014-5FPercentageAreaRequired-2DVisualInsulationVerification-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=J000js0LMDyMdEnB3BSaVtVooib2lTmksETHXXJwqQs&e=)
* [*No. 301-2019-015 Procedure to Calculate the Area of a Door*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D015-5FDoorAreaCalculationProcedure-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=QgSdZBLGJqLflK0sqVktscC0gRywFYw-kaRzagj17nk&e=)
* [*No. 301-2019-016 Attribution of Hot Water Loads Where Multiple Water Heaters are Present*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D016-5FAttribution-2Dof-2DHot-2DWater-2Dloads-5Fv.f.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=b8UEcyKrcfwP9RsBatL7vGHxLYYCKKsJ8QIyGkfSFwY&e=)
* [*No. 301-2019-017 Dwelling Unit Mechanical Ventilation System Controls*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D017-5FVntltnSysControls-5Fwebpost.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=oJoAqiJMhZ5ZPxEAwDEty1OtwLMAfmiRS-_YEAsETo4&e=)
* [*No. 301-2019-018 Kitchen Faucet inclusion in Water Efficient Faucets*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D018KitchenFaucet-5Fweb.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=1z_oZnmO7IOsGTn00Pho9RIiTwkgDESLKokNOucPQkA&e=)
* [*No. 301-2019-019 Air Tightness Test Requirement*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-5F301-2D2019-2D019-5FAirtightnessTestRqmnt-5Fwebpost.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=52_z4ywyO8RgKfzfJ5gw132w5_Uck5wqXw40FDxwhv0&e=)
* [*No. 301-2019-020 Duct Testing for Shared Pre-conditioning Ventilation Systems*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D020-5FShrdVntltnSysTstng-5Fwebpost.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=VIMzcO9w7AYqVtMjukdWpwsH_U0Qa0gAt7bgU_1Zp54&e=)
* [*No. 301-2019-021 Effect of Compression in Insulation Grading*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-5F301-2D2019-2D021-5FInsulCmprsnGrdng-5Fvfinal1.13.21-5Fwebpost.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=lbgJiM1K2e1TOPC6ObP8LhFZJH0h8xER4tpYEZV24Ig&e=)
* [*No. 301-2019-022 Duct Testing for Dedicated Pre-conditioning Ventilation Systems*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D022-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=y-UFlvyksRAUzNu-4bJi1iAZpjNntxJSm9T54JWuMnQ&e=)
* [*No. 301-2019-023 Insulation Is Not Required to Fill Floor Cavity to Achieve Grade I*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D023-5FFloorCavityInsulFillForGradeI-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=fwIaLKIc6aAQJBB181KXLZvCLuwE5aG8Rn79wwm8x2E&e=)
* [*No, 301-2019-024 Natatorium Rooms CSV and CFA*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D024Natatorium-5FCSV-2DCFA-5Fwebpost-2D1.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=mx3XkTOoTGG8qocKu_HzENB_7zoGPXO5yRtvYFvRbZg&e=)
* [*No. 301-2019-025 Efficiency Ratings for Mix-Matched AC Units*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D025MixMatchACEquipEfficiency-5Fwebpost-2D1.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=dMgsWlqpCyIe-ix3m3xMtp5A3PDwWgL8abWak1o9ugM&e=)
* [*No. 301-2019-026 Modeling Homes Without Builder Specified Appliances Installed*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-2D301-2D2019-2D026-2DModelingHomesWithoutBuilderSpecifiedAppliances-5Fwebpost-2D1.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=zGP75TYFS6KkoZmgDJx0SRy_Di1At0jigFV2CVIJRTI&e=)
* [*No. 301-2019-027 Modeling Continuous Bathroom & Kitchen Exhaust Ventilation*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D027-5FKitchen-2DExhaust-5FSDCappvd-5F10.6.22.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=hYCaq2WdICzS7uC6LKOB9LXlLOvwDPZ68Zdr-Y44dEI&e=)
* [*No. 301-2019-028 Balanced Mechanical Ventilation*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D028-5FBalancedMechanicalVentilation-5Fwebpost.docx&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=25pM0YMoB_3-81BKw1V8dh5LO1-TS09QM62Ja6d4gu4&e=)
* [*No. 301-2019-029 Existing Wall Insulation Grade*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D029Existing-2DWall-2DInsul-2DGrade-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=6A3geIBVczL56hQUNWxsG54MjOf-AkxDlrpqFDRuAGw&e=)
* [*No. 301-2019-030 Hot Water Distribution Piping Insulation Requirements*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D030-2DHot-2DWater-2DDistribution-2DPiping-2DInsulation-5Ffinal.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=Uf8TNupcIa3B7lp1MxOQVGR5ffVSVCiRYtQUz9I8sys&e=)
* [*No. 301-2019-031 Including Finished Space in Conditioned Floor Area*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D031-2DIncluding-2DFinished-2DSpace-2Din-2DConditioned-2DFloor-2DArea-5Fwebpost2-2D1.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=21vBn-O1a-GmWlb4tTrlxImuaUeLrVl3hzSwxoOQ9-o&e=)
* [*No. 301-2019-032 Hot Water Distribution Pipe Length Calculation Requirements*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D032-2DHot-2DWater-2DDistribution-2DPipe-2DLength-2DCalc-5FSDC300-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=mfNiXOcR8IxPsSPN_IOLd3M3IfQZSYSwoEh7MEwGr4E&e=)
* [*No. 301-2019-033 Fixture Factor Determination*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D033FixtureFactorDetermination-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=vU9EPQc3kdgs2QDvfr8WjNdiPJ8O-Ys7x2gcLHDe-80&e=)
* [*No. 301-2019-034 Prorating Shared Kitchen Appliances for Sleeping Units*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR301-2D2019-2D034-5FProratngSharedKithcenApplianceForSleepingUnits-5Fwebpost2.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=XBUSJtTXW32wVddF6pf1TmZcOSJiHdaoAE0tIEkfT9Q&e=)
* [*No. 301-2019-035 Core-filled CMU block walls cannot achieve Grade I*](https://urldefense.proofpoint.com/v2/url?u=https-3A__www.resnet.us_wp-2Dcontent_uploads_IR-5F301-2D2019-2D035CoreFilledCMU-5Fwebpost.pdf&d=DwMDaQ&c=euGZstcaTDllvimEN8b7jXrwqOf-v5A_CdpgnVfiiMM&r=7XUwxAZbmftOVV1BsRddTg&m=Ckd9MlpOfNxlE31vcr3vjpx6YO91tY34IwGW-Ws2vZqJf6f23C_ZVRY_uaMMbmZV&s=018FKPQ8Hlwjv5Kgas1WxHxeufT_ElQXEoyH6OtuX9A&e=)
* **New business**

N/A

* **Adjourn**

Meeting adjourned at 2:39 PM ET.