

NOTICE OF ADOPTION OF RULE

NOTICE IS HEREBY GIVEN, pursuant to the authority vested in the Commissioner of the Department of Buildings by Section 643 of the New York City Charter and in accordance with Section 1043 of the Charter, that the Department of Buildings hereby adopts the amendments to Section 5000-02 of Title 1 of the Official Compilation of the Rules of the City of New York, relating to the implementation of the New York City Energy Conservation Code to conform to changes in the New York City Energy Conservation Code that were necessitated by updates to the New York State Energy Code that went into effect on October 3, 2016.

This rule was first published on March 27, 2018 and a public hearing thereon was held on May 2, 2018.

Dated: 6.20.18
New York, New York


Rick D. Chandler, P.E.
Commissioner



THE CITY OF NEW YORK
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Hon. Rick D. Chandler, P.E.
Commissioner of Buildings

**Re: Rule Making Corrections to the Reference Standard ASHRAE 90.1 and
Clarifying Modeling Methodology for Lighting and Pump Controls**

No. 2018 RG 011

Dear Commissioner Chandler:

Pursuant to New York City Charter § 1043 subd. c, the above-referenced rule has been reviewed and determined to be within the authority delegated by law to your agency.

Sincerely,

A handwritten signature in blue ink that reads "Steven I. Goulden".

STEVEN GOULDEN
Senior Counsel
Division of Legal Counsel

cc: Dorecia Phillip

Statement of Basis and Purpose

The Department of Buildings (DOB) is adding a new rule to make corrections to the reference standard ASHRAE 90.1, as identified in Appendix CA of the Energy Conservation Code, and to clarify modeling methodology for lighting and pump controls.

Specifically, the rule:

- Adds a new section 5000-02 regarding lighting control requirements under American Society of Heating, Refrigerating and Air Conditioning Engineers (“ASHRAE”) 90.1 to Title 1 of the RCNY,
- Adds clarifying language to Section 9.4.1.1, item c, which was omitted due to typographical error. The requirement for occupancy controls for open plan offices was added by the City, but the requirement for partial automatic ON was intended to be exempted,
- Updates the requirements of Table 9.6.1 to conform it to the requirements of ASHRAE standard 90.1-2013. These control requirements were omitted from Local Law 91 of 2016 due to typographical error,
- Further clarifies certain modeling requirements based on published addenda to ASHRAE 90.1-2013,
- Revises Section 4.2 to clarify that Appendix G is allowed for additions and alterations, and Section 11 is allowed for alterations,
- Revises Table G3.1, number 6, Lighting, to correct an inconsistency in modeling the lighting baseline requirements for not yet designed spaces and add details on modeling lighting controls,
- Revises Table G3.1.1-4 to modify a footnote to be consistent with the modeling approach of setting the baseline heat fuel source by climate zone,
- Revises Sections G3.1.3.5, G3.1.3.10 and G3.1.3.11 to provide more detail for the baseline model with regard to pumps, and
- Revises Table G3.7 to clarify the allowable reduction in lighting LPD when applying occupancy controls to the baseline lighting.

The Department of Buildings’ authority for this rule is found in sections 643 and 1043 of the New York City Charter, section 28-103.19 of the New York City Administrative Code and section ECC CA102.1 of the New York City Energy Conservation Code.

New material is underlined.

[Deleted material is in brackets.]

“Shall” and “must” denote mandatory requirements and may be used interchangeably in the rules of this department, unless otherwise specified or unless the context clearly indicates otherwise.

Section 1. Chapter 5000 of Title 1 of the Rules of the City of New York is amended by adding a new section 5000-02 to read as follows:

§ 5000-02 Amendment to ASHRAE 90.1 Relating to Lighting Controls and Modeling Requirements.
Pursuant to section 28-103.19 of the Administrative Code of the City of New York, ASHRAE 90.1, as modified by section CA102.1 of appendix CA of section 28-1001.2.2 of such code, is amended to read as follows:

4.2.1.2 Additions to Existing Buildings.

Revise Section 4.2.1.2 to read as follows:

4.2.1.2 Additions to Existing Buildings. Additions to existing buildings shall comply with either the provisions of Sections 5, 6, 7, 8, 9, and 10 or Section 11 or Normative Appendix G.

4.2.1.2.1 When an addition to an existing building cannot comply by itself, trade-offs will be allowed by modification to one or more of the existing components of the existing building. Modeling of the modified components of the existing building and addition shall employ the procedures of Section 11 or Normative Appendix G; the addition shall not increase the energy consumption of the existing building plus the addition beyond the energy that would be consumed by the existing building plus the addition if the addition alone did comply.

4.2.1.3 Alterations to Existing Buildings.

Revise Section 4.2.1.3 to read as follows:

4.2.1.3 Alterations to Existing Buildings. Alterations of existing buildings shall comply with the provisions of Sections 5, 6, 7, 8, 9, and 10 or Section 11 or Normative Appendix G.

Exception: Historic buildings need not comply with these requirements.

9.4.1.1 Interior Lighting Controls.

Revise Item c of Section 9.4.1.1 to read as follows:

c. Restricted to partial automatic ON: No more than 50% of the lighting power for the general lighting shall be allowed to be automatically turned on, and none of the remaining lighting shall be automatically turned on. For open plan offices, a control device meeting this requirement shall control no more than 2500 ft².

Table 9.6.1 Lighting Power Density Allowances Using the Space-by-Space Method and Minimum Control Requirements Using Either Method.

Revise Table 9.6.1 to read as follows:

TABLE 9.6.1 Lighting Power Density Allowances Using the Space-by-Space Method and Minimum Control Requirements Using Either Method

Informative Note: This table is divided into two sections; this first section covers space types that can be commonly found in multiple building types. The second part of this table covers space types that are typically found in a single building type.		Local Control (See Section 9.4.1.1(a))	Restricted to Manual ON (See Section 9.4.1.1(b))	Restricted to Partial Automatic ON (See Section 9.4.1.1(c))	Bilevel Lighting Control (See Section 9.4.1.1(d))	Automatic Daylight Responsive Controls for Sidelighting (See Section 9.4.1.1(e)) ⁶	Automatic Daylight Responsive Controls for Toplighting (See Section 9.4.1.1(f)) ⁶	Automatic Partial OFF (See Section 9.4.1.1(g)) (Full Off complies)	Automatic Full OFF (See Section 9.4.1.1(h))	Schedule and Shutoff (See Section 9.4.1.1(i))	
Common Space Types ¹	LPD W/ft ²	RCR Threshold ^d	a	b	c	d	e	f	g	h	i
Atrium											
...that is < 20 ft in height	0.03/ft total height	NA	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...that is > 20 ft and < 40 ft in height	0.03/ft total height	NA	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...that is > 40 ft in height	0.40 + 0.02/ft total height	NA	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Audience Seating Area											
...in an auditorium	0.63	6	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a convention center	0.82	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a gymnasium	0.65	6	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a motion picture theater	1.14	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a penitentiary	0.28	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a performing arts theater	2.43	8	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a religious building	1.53	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a sports arena	0.43	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...all other audience seating areas	0.43	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Banking Activity Area	1.01	6	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Breakroom (See Lounge/Breakroom)											
Classroom/Lecture hall/Training Room^{8,9}											
...in a penitentiary	1.34	4	REQ	REQ	REQ	REQ	REQ	REQ	=	REQ	REQ
...all other classrooms/lecture halls/training rooms	1.24	4	REQ	REQ	REQ	REQ	REQ	REQ	=	REQ	REQ
Conference/Meeting/Multipurpose Room^{8,9}	1.23	6	REQ	REQ	REQ	REQ	REQ	REQ	=	REQ	REQ
Confinement Cells	0.81	6	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Copy/Print Room	0.72	6	REQ	ADD1	ADD1	REQ	REQ	REQ	=	REQ	REQ

Corridor ²	0.92	width < 8 ft	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a facility for the visually impaired (and not used primarily by the staff) ³	0.99	width < 8 ft	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a manufacturing facility	0.41	width < 8 ft	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...all other corridors	0.66	width < 8 ft	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
Courtroom	1.72	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Computer Room	1.71	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Dining Area											
...in a penitentiary	0.96	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a facility for the visually impaired and not used primarily by staff ³	2.65	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in bar lounge or leisure dining	1.07	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in cafeteria or fast food dining ⁴	0.65	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in family dining	0.89	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...all other dining areas	0.65	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Electrical/Mechanical Room⁷	0.42	6	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
Emergency Vehicle Garage	0.56	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Food Preparation Area	1.21	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Guest Room	0.91	6	See Section 9.4.1.3b.								
Laboratory											
...in or as a classroom	1.43	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...all other laboratories	1.81	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Laundry/Washing Area	0.60	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Loading Dock, Interior	0.47	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Lobby											
...in a facility for the visually impaired and not used primarily by staff ³	1.80	4	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...for an elevator	0.64	6	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a hotel	1.06	4	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a motion picture theater	0.59	4	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a performing arts theater	2.00	6	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
...all other lobbies	0.90	4	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2
Locker Room	0.75	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Lounge/Breakroom^{8,9}											
...in a healthcare facility	0.92	6	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ
...all other lounges/breakrooms	0.73	4	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ
Office											
...enclosed and < 250 ft ^{2(8,9)}	1.0	8	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ
...enclosed and > 250 ft ²	1.0	8	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...open plan	0.90	4	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ
Parking Area, Interior	0.19	4	See Section 9.4.1.2								
Pharmacy Area	1.68	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Restroom											
...in a facility for the visually impaired (and not used primarily by the staff) ³	1.21	8	REQ	=	=	REQ	REQ	REQ	REQ	REQ	REQ

...all other restrooms	0.98	8	REQ	=	=	REQ	=	REQ	=	REQ	=	REQ	=
Sales Area ⁴	1.30	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2
Seating Area, General	0.54	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2
Stairway	The space containing the stairway shall determine the LPD and control requirements for the stairway.												
Stairwell	0.69	10	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2
Storage Room													
...< 50 ft ²	1.24	6	REQ	=	=	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2
...> 50 ft ² and <1000 ft ²	0.63	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	REQ	REQ	REQ	REQ
...all other storage rooms	0.63	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2
Vehicle Maintenance Area	0.67	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2
Workshop	1.59	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2	ADD2	ADD2

TABLE 9.6.1 Lighting Power Density Allowances Using the Space-by-Space Method and Minimum Control Requirements Using Either Method (Continued)

Informative Note: This table is divided into two sections: this first section covers space types that can be commonly found in multiple building types. The second part of this table covers space types that are typically found in a single building type.

The control functions below shall be implemented in accordance with the descriptions found in the referenced paragraphs within Section 9.4.1.1. For each space type: (1) All REQs shall be implemented. (2) At least one ADD1 (when present) shall be implemented. (3) At least one ADD2 (when present) shall be implemented.

Building Specific/Space Types ¹	Type	LPD W/ft ²	RCR Threshold	a	b	c	d	e	f	g	h	i
Facility for the Visually Impaired³												
...in a chapel primarily by residents	used	2.21	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a recreation room/common living room (and not used primarily by staff)		2.41	6	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Automotive (See "Vehicular Maintenance Area")												
Convention Center-Exhibit Space		1.45	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Dormitory-Living Quarters		0.38	8	REQ	=	=	=	=	=	=	=	=
Fire Station-Sleeping Quarters		0.22	6	REQ	=	=	=	=	=	=	=	=
Facility for the Visually Impaired³												
...in a recreation room (and not used primarily by staff)		2.41	6	=	=	=	=	=	=	=	=	=
Gymnasium/Fitness Center												
...in an exercise area		0.72	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
...in a playing area		1.20	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2
Healthcare Facility												
...in an exam/treatment room		1.66	8	REQ	=	=	REQ	REQ	REQ	=	ADD2	ADD2
...in an imaging room		1.51	6	REQ	=	=	REQ	=	=	=	ADD2	ADD2
...in a medical supply room		0.74	6	REQ	=	=	=	=	=	=	ADD2	ADD2
...in a nursery		0.88	6	REQ	=	=	REQ	REQ	REQ	=	ADD2	ADD2
...in a nurse's station		0.71	6	REQ	=	=	REQ	REQ	REQ	=	ADD2	ADD2
...in an operating room		2.48	6	REQ	=	=	=	=	=	=	ADD2	ADD2
...in a patient room		0.62	6	REQ	=	=	REQ	REQ	REQ	=	ADD2	ADD2
...in a physical therapy room		0.91	6	REQ	=	=	REQ	REQ	REQ	=	ADD2	ADD2
...in a recovery room		1.15	6	REQ	=	=	REQ	REQ	REQ	=	ADD2	ADD2
Library		1.06	4	REQ	ADD1	ADD1	REQ	REQ	REQ	=	ADD2	ADD2

Informative Note: This table is divided into two sections: this first section covers space types that can be commonly found in multiple building types. The second part of this table covers space types that are typically found in a single building type.

The control functions below shall be implemented in accordance with the descriptions found in the referenced paragraphs within Section 9.4.1.1. For each space type: (1) All REQs shall be implemented. (2) At least one ADD1 (when present) shall be implemented. (3) At least one ADD2 (when present) shall be implemented.

Building Specific/Space Types ¹	Type	LPD W/ft ²	RCR Threshold	a	b	c	d	e	f	g	h	i
...in the stacks		1.71	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Manufacturing Facility												
...in a detailed manufacturing area		1.29	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in an equipment room		0.74	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in an extra high bay area (> 50 ft floor-to-ceiling height)		1.05	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a high bay area (25-50 ft floor-to-ceiling height)		1.23	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a low bay area (< 25 ft floor-to-ceiling height)		1.19	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Museum												
...in a general exhibition area		1.05	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a restoration room		1.02	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Performing Arts Theater-Dressing Room		0.61	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Post Office-Sorting Area		0.94	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Religious Buildings												
...in a fellowship hall		0.64	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a worship/pulpit/choir area		1.53	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Retail Facilities												
...in a dressing/fitting room		0.71	8	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in a mall concourse		1.10	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Sports Arena-Playing Area												
...for a Class I facility		3.68	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...for a Class II facility		2.40	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...for a Class III facility		1.80	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...for a Class IV facility		1.20	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Transportation Facility												
...in a baggage/carousel area		0.53	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...in an airport concourse		0.36	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
...at a terminal ticket counter		0.80	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2
Warehouse-Storage Area												
...for medium to bulky		0.58	4	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2

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The control functions below shall be implemented in accordance with the descriptions found in the referenced paragraphs within Section 9.4.1.1. For each space type: (1) All REQs shall be implemented. (2) At least one ADD1 (when present) shall be implemented. (3) At least one ADD2 (when present) shall be implemented.

Building Specific/Space Types ¹	Type	LPD W/ft ²	RCR Threshold	a	b	c	d	e	f	g	h	i
palletized items												
...for smaller hand-carried items ⁵		0.95	6	REQ	ADD1	ADD1	REQ	REQ	REQ	REQ	ADD2	ADD2

- In cases where both a common space type and a building area specific space type are listed, the building area specific space type shall apply.
- In corridors, the extra lighting power density allowance is permitted when the width of the corridor is less than 8 ft and is not based on the RCR.
- A "Facility for the Visually Impaired" is a facility that can be documented as being designed to comply with the light levels in ANSI/IES RP-28 and is licensed or will be licensed by local/state authorities for either senior long-term care, adult daycare, senior support and/or people with special visual needs.
- For accent lighting, see Section 9.6.2(b).
- Sometimes referred to as a "Picking Area."
- Automatic daylight responsive controls are mandatory only if the requirements of the specified sections are present.
- An additional 0.53 w/ft² shall be allowed, provided that the additional lighting is controlled separately from the base allowance of 0.42 W/ft². The additional 0.53 w/ft² allowance shall not be used for any other purpose.
- Occupant sensor shall not have an override switch that converts from manual-on to automatic-on functionality.
- The occupant sensor may have a grace period of up to 30 seconds to turn on the lighting automatically after the sensor has turned off the lighting if occupancy is detected.

APPENDIX G – PERFORMANCE RATING METHOD

G1.3 Trade-Off Limits.

Revise Section G1.3 to read as follows:

G1.3 Trade-Off Limits. RESERVED.

TABLE G3.1 Modeling Requirements for Calculating Proposed and Baseline Building Performance.

Revise Item 2 of Table G3.1 to read as follows:

<u>No.</u> <u>Proposed Building Performance</u>	<u>Baseline Building Performance</u>
<u>2. Additions and Alterations</u>	
<p><u>It is acceptable to predict performance using building models that exclude parts of the existing building provided that all of the following conditions are met:</u></p> <ul style="list-style-type: none"><u>a. Work to be performed in excluded parts of the building shall meet the requirements of Sections 5 through 10.</u><u>b. Excluded parts of the building are served by HVAC systems that are entirely separate from those serving parts of the building that are included in the building model.</u><u>c. Design space temperature and HVAC system operating setpoints and schedules on either side of the boundary between included and excluded parts of the building are essentially the same.</u><u>d. If a declining block or similar utility rate is being used in the analysis, and the excluded and included parts of the building are on the same utility meter, the rate shall reflect the utility block or rate for the building plus the addition.</u>	<p><u>If the proposed building model excluded parts of the existing building, the baseline building model shall exclude them as well.</u></p> <p><u>When modeled, unmodified existing building component shall follow the same rules as new and modified building components.</u></p>