

## **Commercial Plan Review – Energy Compliance Worksheet**

Applies to new construction, additions, alterations, renovations, repairs and changes of use for commercial buildings, systems and equipment. Commercial buildings are all buildings except detached one- and two- family dwellings, multiple single-family dwellings (townhouses) as well as Group R-2, R-3 and R-4 buildings three stories or less in height above grade plane. Information on construction documents shall comply with MN Rules 1323.0100 Subp. 10. When commissioning is required, it shall be specified in construction documents prior to permit approval.

Project:			Ad	ddress:			
■ Pro	<b>ject Information:</b> Select	all that apply.					
	New Construction		Α	Alteration		☐ Change in Space Conditioning	
	Addition		C	Change in Use		- '	
		-	ns	are not required t	to co	emply with this code if the energy use of the building is	
not	increased: select if applies Storm windows installed					Reroofing without exposing sheathing or insulation	
	Glass-only replacement	Over existing				Alteration replacing <50% light fixtures	
	Vestibule exception for e	visting door replacem	ant	+		Bulb and Ballast ONLY replacement	
	Existing ceiling, wall, and, filled with insulation					Existing ceiling, wall, and/or floor cavities NOT	
■ Bui		o " -				exposed meet the provisions of IECC-Residential Provisions (RE),	
occ and spe	upancy buildings which in I meet the applicable pro- cific the occupancy. icate all that apply:	clude both residentia visions of IECC - Com	l an <b>me</b> i	nd commercial occ rcial Provisions (N	cupa <b>//SBC</b>	commercial Provisions (CE), MSBC Ch. 1323. For <i>Mixed</i> ancies, each occupancy shall be separately considered C 1323) and IECC - Residential Provisions (MSBC 1322) in the definition of <i>Residential Building</i> .	
_	_		_				
	_				-	mily dwellings and multiple single family dwellings or less in height above grade plane.	
	Mixed Occupancy Buildi separately considered an	-				al and commercial occupancies, each occupancy shall be 122 and Chapter 1323.	
to is	ssuance of building permit	, the name of the ind	ivid Co	lual or company tl	hat v	uired for the project based on compliance method. Prior will provide the system commissioning must be ed to be completed prior to final inspection.	
ENERG	Y CODE COMPLIANC	E DRAWING SHEE	T(:	S) For all complia	nce	methods	
	separate energy code com		-	•			
	Narrative explanation of	energy code complia	nce	e approach			
	Drawings depicting the tl				r		
		· · · · · · · · · · · · · · · · · · ·				mponents, building services and equipment, prescribed	
·	or used in the compliance calculations and analysis. For each item, list:						
	· ·	alue, or other releva	•			ed with the item	
						ted in the construction documents.	
		-				ements per ASHRAE 90.1-2016 or IECC Section 408.	

Energy Code Compliance							
<ul> <li>STEP 2 Under selected compliance method, select ONE option</li> <li>STEP 3 Prepare forms, reports or other documentation as indicated</li> <li>STEP 4 Prepare ENERGY CODE COMPLIANCE DRAWING SHEET</li> </ul>	Select ONLY ONE compliance method for the entire project using this form. 1a, 1b, 2, or 3 Under selected compliance method, select ONE option from each section Prepare forms, reports or other documentation as indicated for the method and path chosen Prepare ENERGY CODE COMPLIANCE DRAWING SHEET(S) see front of worksheet for requirements Submit items from Steps 1-4 and other construction documents with permit application package						
☐ 1a. ASHRAE Standard Compliance for NEW COMMERCIAL B Comply with the provisions of the following ASHRAE 90.1-2016 s submit required documentation.							
Section 5 Building Envelope  PRESCRIPTIVE BUILDING ENVELOPE OPTION Submit Standard 90.1-2016: Building Envelope Compliance Forms - Part 1 and Part 2  BUILDING ENVELOPE TRADE-OFF OPTION Submit Standard 90.1-2016: Building Envelope Compliance Forms - Part 1 and COMcheck report for the ASHRAE building envelope trade-off option  Section 6 Heating, Ventilation and Air Conditioning  HVAC SIMPLIFIED APPROACH OPTION Submit Standard 90.1-2016: HVAC Compliance Forms - Part 1  HVAC MANDATORY PROVISIONS and PRESCRIPTIVE PATH Submit Standard 90.1-2016: HVAC Compliance Forms - Part 2 and Part 3	Section 7 Service Water Heating  PRESCRIPTIVE PATH Submit Standard 90.1-2016: Service Water Heating Compliance Forms  Section 8 Power Only one compliance path is available for power distribution systems  Section 9 Lighting BUILDING AREA METHOD Submit Standard 90.1-2016: Lighting Compliance Forms SPACE-BY-SPACE METHOD Submit Standard 90.1-2016: Lighting Compliance Forms Section 10 Other Equipment Comply with provisions of Section 10.						
□ <b>1b. ASHRAE Energy Cost Budget Compliance</b> for NEW BUILDINGS and ADDITION Comply with the provisions of ASHRAE 90.1 2016 Section 11 Energy Cost Budget. See additional handout for submittal requirements for this compliance method.							
<ul> <li>□ 2. IECC Prescriptive Compliance for NEW BUILDINGS, ADDITIONS, ALTERATIONS &amp; REPAIRS         Comply with the provisions of the following INTERNATIONAL ENERGY CONSERVATION CODE (IECC), MN RULES CHAPTER 1323         sections: Select one option from Section C403.</li> </ul>							
Section C402 Building Envelope Requirements  Section C403 Building Mechanical Systems  Comply with mandatory provisions and either:  Section C403.3 Simple systems Section C403.4 Complex systems  Section C404 Service Water Heating  Section C405 Electrical Power and Lighting Systems Submit COMcheck reports or other documentation  3. IECC Total Building Performance for NEW BUILDINGS	For NEW BUILDINGS ONLY  Section C406 Additional Efficiency Packages  Comply with at least one of the following:  Section C406.2 Efficient HVAC Performance  Section C406.3 Efficient Lighting System  Section C406.4 On-Site Supply of  Renewable Energy  nto show compliance with IECC for all sections.						
<del>_</del>	additional handout for submittal requirements for this compliance						

method.