

2018 IECC® Code and Commentary

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PREFACE

The principal purpose of the Commentary is to provide a basic volume of knowledge and facts relating to building construction as it pertains to the regulations set forth in the 2018 *International Energy Conservation Code*[®]. The person who is serious about effectively designing, constructing and regulating buildings and structures will find the Commentary to be a reliable data source and reference to almost all components of the built environment.

The 2018 edition of the *International Energy Conservation Code* is the result of aggressive efforts to maintain efficiencies provided in the 2015 edition and to provide reasonable increases commercial and residential energy efficiency requirements. Historically, the 2015 edition provided modest efficiency increases over the 2012 edition, which provided a significant increase in energy efficiency levels over the 2009 edition of the code, which in turn represented a significant increase over 2006 levels. The code change proposals are reflective of a national focus on reduction in energy consumption that stems not only from concerns about our oil reserves, but also from growing concerns over global warming.

As a follow-up to the *International Energy Conservation Code*, we offer a companion document, the *IECC*[®] *Code and Commentary*. The basic appeal of the Commentary is thus: it provides in a small package and at a reasonable cost thorough coverage of many issues likely to be dealt with when using the *International Energy Conservation Code*—and then supplements that coverage with historical and technical background. Reference lists, information sources and bibliographies are also included.

Throughout, effort has been made to keep the vast quantity of material accessible and its method of presentation useful. With a comprehensive yet concise summary of each section, the Commentary provides convenient reference for regulations applicable to the construction of buildings and structures. In the chapters that follow, discussions focus on the full meaning and implications of the code text. Guidelines suggest the most effective method of application and the consequences of not adhering to the code text. Illustrations are provided to aid understanding; they do not necessarily illustrate the only methods of achieving code compliance.

The format of the Commentary includes the full text of each section, table and figure in the code, followed immediately by the commentary applicable to that text. At the time of printing, the Commentary reflects the most up-to-date text of the 2018 *International Energy Conservation Code*. Each section's narrative includes a statement of its objective and intent and usually includes a discussion about why the requirement commands the conditions set forth. Code text and commentary text are easily distinguished from each other. All code text is shown as it appears in the *International Energy Conservation Code*, and all commentary is indented below the code text and begins with the symbol ❖.

Readers should note that the Commentary is to be used in conjunction with the *International Energy Conservation Code* and not as a substitute for the code. **The Commentary is advisory only.** The code official alone possesses the authority and responsibility for interpreting the code.

Comments and recommendations are encouraged, for through your input, we can improve future editions. Please direct your comments to the Codes and Standards Development Department at the Central Regional Office.

TABLE OF CONTENTS

IECC—COMMERCIAL PROVISIONS

CHAPTER 1 [CE] SCOPE AND ADMINISTRATION.....	C1-1 – C1-12
CHAPTER 2 [CE] DEFINITIONS.....	C2-1 – C2-20
CHAPTER 3 [CE] GENERAL REQUIREMENTS	C3-1 – C3-26
CHAPTER 4 [CE] COMMERCIAL ENERGY EFFICIENCY	C4-1 – C4-142
CHAPTER 5 [CE] EXISTING BUILDINGS	C5-1 – C5-8
CHAPTER 6 [CE] REFERENCED STANDARDS	C6-1 – C6-8
APPENDIX CA SOLAR-READY ZONE—COMMERCIAL PROVISIONS.....	CA-1 – CA-2
INDEX	INDEX C-1 – INDEX C-10

IECC—RESIDENTIAL PROVISIONS

CHAPTER 1 [RE] SCOPE AND ADMINISTRATION.....	R1-1 – R1-12
CHAPTER 2 [RE] DEFINITIONS.....	R2-1 – R2-14
CHAPTER 3 [RE] GENERAL REQUIREMENTS	R3-1 – R3-26
CHAPTER 4 [RE] RESIDENTIAL ENERGY EFFICIENCY	R4-1 – R4-50
CHAPTER 5 [RE] EXISTING BUILDINGS	R5-1 – R5-8
CHAPTER 6 [RE] REFERENCED STANDARDS	R6-1 – R6-6
APPENDIX RA SOLAR-READY PROVISIONS— DETACHED ONE- AND TWO-FAMILY DWELLINGS AND TOWNHOUSES.....	RA-1 – RA-2
INDEX	INDEX R-1 – INDEX R-6

IECC—COMMERCIAL PROVISIONS

TABLE OF CONTENTS

CHAPTER 1 [CE] SCOPE AND ADMINISTRATION	C1-1
PART 1—SCOPE AND APPLICATION	C1-2
Section	
C101 Scope and General Requirements	C1-2
C102 Alternative Materials, Design and Methods of Construction and Equipment	C1-4
PART 2—ADMINISTRATION AND ENFORCEMENT	C1-5
C103 Construction Documents	C1-5
C104 Fees	C1-8
C105 Inspections	C1-9
C106 Validity	C1-11
C107 Referenced Standards	C1-11
C108 Stop Work Order	C1-12
C109 Board of Appeals	C1-12
CHAPTER 2 [CE] DEFINITIONS	C2-1
Section	
C201 General	C2-1
C202 General Definitions	C2-1
CHAPTER 3 [CE] GENERAL REQUIREMENTS	C3-1
Section	
C301 Climate Zones	C3-2
C302 Design Conditions	C3-20
C303 Materials, Systems and Equipment	C3-20
CHAPTER 4 [CE] COMMERCIAL ENERGY EFFICIENCY	C4-1
Section	
C401 General	C4-2
C402 Building Envelope Requirements	C4-3
C403 Building Mechanical Systems	C4-29
C404 Service Water Heating (Mandatory)	C4-89
C405 Electrical Power and Lighting Systems	C4-98
C406 Additional Efficiency Package Options	C4-125
C407 Total Building Performance	C4-127
C408 Maintenance Information and System Commissioning	C4-137

TABLE OF CONTENTS

CHAPTER 5 [CE] EXISTING BUILDINGS C5-1
Section
C501 General C5-1
C502 Additions C5-2
C503 Alterations C5-4
C504 Repairs C5-6
C505 Change of Occupancy or Use C5-6

CHAPTER 6 [CE] REFERENCED STANDARDS C6-1

APPENDIX CA SOLAR-READY ZONE—COMMERCIAL PROVISIONS CA-1
CA101 Scope CA-1
CA102 General Definition CA-1
CA103 Solar-Ready Zone CA-1

INDEX INDEX C-1