

BERDO POLICIES & PROCEDURES

Air Pollution Control Commission

Adopted March 16, 2022

Version 1.1



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1. INTRODUCTION

This document includes policies of the Air Pollution Control Commission related to the Building Emissions Reduction and Disclosure Ordinance (BERDO). These policies may be updated by the Air Pollution Control Commission. All policies are to be considered in conjunction with the [BERDO ordinance language](#) and with all adopted regulations.

2. DEFAULT ENERGY USE VALUES

Pursuant to BERDO Regulations Section 1.04(e), if no Energy use is known for a floor area, the appropriate energy use per square foot per month shall be multiplied by the floor area of that Building Use for which Energy use is unknown. If Energy use is known for one or more fuel types for a floor area, but is missing for others, report the actual Energy use for the known fuel types, and also report the net of the default values minus the actual Energy use.

Building Use	Total Energy Use (kBtu/sq ft/month)	2021 Emissions Factors (kgCO ₂ e/MMBtu)
Assembly	13.7	68.3
College/ University	17.0	67.1
Education	9.3	59.8
Food Sales & Service	34.0	71.7
Healthcare	32.4	69.8
Lodging	11.8	66.6
Manufacturing/ Industrial	53.7	54.9
Multifamily housing	8.0	63.9
Office	9.4	75.0
Retail	6.9	72.6
Services	14.9	65.8
Storage	3.9	70.2
Technology/ Science	33.5	69.6

Default values are based on 2018 BERDO data. They represent total annual Energy use (kBtu) by each Building Use type, divided by the square footage of buildings of that Building Use type, divided by 12 to obtain the monthly value, and multiplied by 150%. Since the total annual Energy use is the sum of multiple fuel types, each Building Use type has a blended

emissions factor that represents the mix of fuels for that Building Use, applying the emissions factors used in the Technical Methods Overview. Blended emissions factors by Building Use type will be updated annually.



3. QUALIFIED ENERGY PROFESSIONAL CREDENTIALS

Profession	Credential	Organization
Engineer	Professional Engineer (PE)	National Society of Professional Engineers (NSPE)
Architect	Licensed Architect	National Council of Architectural Registration Boards (NCARB)
Architect	Registered Architect (RA)	American Institute of Architects (AIA)
Energy Modeler	Passive House	Passive House Institute US (PHIUS)
Energy Auditor	Building Energy Assessment Professional (BEAP)	American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
Energy Auditor	Certified Energy Auditor (CEA)	Association of Energy Engineers (AEE)
Energy Auditor	Building Energy Modeling Professional (BEMP)	American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
Energy Auditor	RPA/FMA High Performance Designation (RPA/FMA-HP)	BOMI International
Energy Auditor	Certified Measurement and Verification Professional (CMVP)	Association of Energy Engineers (AEE)
Energy Auditor	LEED Advanced Professional (AP) Building Operations & Maintenance	U.S. Green Building Council (USGBC)
Commissioning Professional	Commissioning Process Management Professional Certification (CPMP)	American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
Commissioning Professional	Certified Commissioning Professional (CCP)	Building Commissioning Association (BCA)

Profession	Credential	Organization
Commissioning Professional	Associate Commissioning Professional (ACP)	Building Commissioning Association (BCA)
Commissioning Professional	Certified Building Commissioning Professional (CBCP)	Association of Energy Engineers (AEE)
Commissioning Professional	Existing Building Commissioning Professional (EBCP)	Association of Energy Engineers (AEE)
Commissioning Professional	Certified Commissioning Authority (CxA)	AABC Commissioning Group (ACG)
Energy Manager	Operations and Performance Management Professional (OPMP)	American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE)
Energy Manager	Certified Energy Manager (CEM)	Association of Energy Engineers (AEE)
Energy Manager	Energy Management Professional (EMP)	Energy Management Association (EMA)
Building Operator	Building Operator Certification (BOC) Level 2	Northwest Energy Efficiency Council

Pursuant to the Regulations Section 1.08(a), the Review Board may approve additional credentials for designation as qualified energy professionals.

