ACRONYMS AND ABBREVIATIONS USED IN ASHRAE

AAAS American Association for the Advancement of Science

AABC Associated Air Balance Council

AACE American Association of Cost Engineers

AAES American Association of Engineering Societies

AAF Argentina Association of Refrigeration

AALA American Association for Laboratory Accreditation

AASA ASHRAE Associate Society Alliance

ABBE Advisory Board on Built Environment

ABET Accreditation Board for Engineering and Technology

ABMA American Boiler Manufacturers Association

ABOK Russian Association of Engineers in Heating, Ventilation, Air-Conditioning, Heat Supply and Building Thermal Physics

ABRAVA Brazilian Association of Refrigeration, Air-Conditioning, Ventilating and Water Treatment

AC Accreditation Activities Committee

ACAIRE Colombian Association of Air-Conditioning & Refrigeration

ACCA Air Conditioning Contractors of America

ACEC American Consulting Engineers Council

ACGIH American Conference of Governmental Industrial Hygienists

ACI American Concrete Institute

ACS American Chemical Society

ACTECIR Catalan Association of Energy, Air-Conditioning and Refrigeration Engineers (Spain)

ADC Air Diffusion Council

ADI Air Distributing Institute

AEDG Advanced Energy Design Guide

AEE Association of Energy Engineers

AEIC Association of Edison Illuminating Companies

AFFI American Frozen Food Institute

AGA American Gas Association

AGCA Associated General Contractors of America

AGFR Romanian Association for Heating, Refrigerating and Air-Conditioning

AHAM Association of Home Appliance Manufacturers

AHGWTEL Latvian Association of Heat, Gas & Water Technology Engineers

AHMA American Hotel-Hotel Association

AHR International Air Conditioning, Heating, Refrigerating Exposition

AI Action item

AIA American Institute of Architects

AID Airborne Infectious Disease

AICARR Italian Association of Air-Conditioning, Heating and Refrigeration

AIChE American Institute of Chemical Engineers

AICVF French Association of Heating & Ventilation Engineers

AIHA American Industrial Hygiene Association

AIP American Institute of Physics

AIPE American Institute of Plant Engineers

AIRAH Australian Institute of Refrigeration, Air Conditioning and Heating

ALA American Lighting Association

ALI ASHRAE Learning Institute

AMCA Air Movement and Control Association

AMERIC Mexican Association of Companies in the Industry of Building Installations

AMORTS Assistant Manager of Research and Technical Services

ANMC American National Metric Council

ANS American Nuclear Society

ANS American National Standard

ANSI American National Standards Institute

APC ASHRAE Program Committee

APEM Association of Professional Energy Managers

API American Petroleum Institute

APPA Association of Higher Education Facilities Officers

ARC ASHRAE Research Canada

ARC Assistant Regional Chair

ARCFCP The Alliance for Responsible CFC Policy

ARI Air-Conditioning and Refrigeration Institute

ARW Air-Conditioning and Refrigeration Wholesalers Association

ASA Acoustical Society of America

ASAE American Society of Agricultural Engineers

ASAE American Society of Association Executives

ASBRAV South Brazilian of Refrigeration, Air Conditioning, Heating and Ventilation Association

ASCE American Society of Civil Engineers

ASEE American Society for Engineering Education

ASES American Solar Energy Society

ASHE American Society for Healthcare Engineering of the American Hospital Association

ASHRAE American Society of Heating, Refrigerating and Air-Conditioning Engineers

ASME American Society of Mechanical Engineers

ASQC American Society for Quality Control

ASSE American Society of Safety Engineers

ASTE American Society of Test Engineers

ASURVAC Uruguay Association of Refrigeration, Ventilation, Air Conditioning and Heating

ATECYR Spanish Technical Association of Air Conditioning and Refrigeration

ATEAAR Ecuadorian Technical Association of Conditioned Air and Refrigeration

ATIC Royal Association of Heating, Ventilation, Air Conditioning and Related Systems

AWMA Air and Waste Management Association

AWWA American Water Works Association

BACnet Building Automation and Control Networks

BAR Board-Approved Rules

BCA Building and Construction Authority of Singapore

BCAP Building Codes Assistance Project

BEPS Building Energy Performance Standards

bEQ Building Energy Quotient

BERD Office of Building Energy Research and Development (DOE)

BLAST Building Load Analysis and System Thermodynamics (computer program)

BNL Brookhaven National Laboratory

BOCA Building Officials and Code Administrators International, Inc.

BOD Board of Directors

BOD/ExCom Board of Directors/Executive Committee

BOG Board of Governors

BOMA Building Owners and Managers Association International

BSI British Standards Institute

BSRIA Building Services Research and Information Association

BTECC Building Thermal Envelope Coordinating Council

CABO Council of American Building Officials

CAE Certified Association Executive

CaGBC Canada Green Building Council

CAMEE Council of American Mechanical and Electrical Engineers

CAR Chinese Association of Refrigeration

CARI Council of Air Conditioning and Refrigeration Industry

CBL Charter and Bylaws Committee

CBT Center for Building Technology (NIST)

CCHVAC China Committee of Heating, Ventilating and Air Conditioning

CCI Clinton Climate Initiative

CD Course Development Committee

CDC Centers for Disease Control (HHS)

CEC Conferences and Expositions Committee

CEC California Energy Commission

CEN Committee for European Normalization

CESSE Council of Engineering and Scientific Society Executives

CFA Consumer Federation of America

CFC Chlorofluorocarbon(s)

CFR Center for Fire Research (NIST)

CGA Canadian Gas Association

CIB International Council for Building Research, Studies and Documentation

CIBSE Chartered Institution of Building Services Engineers

CII Confederation of Indian Industry

CIS Code Interaction Subcommittee (of Standards Committee)

CMA Chemical Manufacturers Association

CMES Mexico Green Building Council

CNV Chair Not Voting

CO Coordinating Officer

COF College of Fellows

CP Chapter Programs Committee

CPSC Consumer Product Safety Commission

CRC Chapters Regional Conference

CRMA Commercial Refrigerator Manufacturers Association

CSA Canadian Standards Association

CSA Chapter Service Award

CSB Construction Standards Board, ANSI

CSI Construction Specifications Institute

CSME Canadian Society for Mechanical Engineering

CSO Chief Staff Officer

CTI Cooling Tower Institute

CTTC Chapter Technology Transfer Committee (or CTT)

CV Chair Voting

DAL Director-at-Large

DANVAK Danish Society of Heating, Ventilating and Air-Conditioning Engineers

DASH Database for Analyzing Sustainable and High Performance Buildings

DHC District Heating and Cooling

DHW Domestic Hot Water

DITAR Cooling and Air Conditioning Technical Division (Chile)

DKV German Association of Refrigeration and Air-Conditioning Engineers

DL Distinguished Lecturers

DLP Distinguished Lecturer Program

DMG Data Management Group

DOC U. S. Department of Commerce

DOD U. S. Department of Defense

DOE U. S. Department of Energy

DOE 2 A computer program for building energy analysis

DOT Director of Technology

DOT Department of Transportation

DRC Director and Regional Chairman

DSA Distinguished Service Award

ECC Electronic Communications Committee

EEI Edison Electric Institute

EESB Electrical and Electronic Standards Board, ANSI

EFRIARC Portuguese Association of Refrigerating and Air-Conditioning Engineers

EH Environmental Health Committee (also EHC)

EIA Energy Information Administration (DOE)

EPA U.S. Environmental Protection Agency

EPRI Electric Power Research Institute

ESA Exceptional Service Award

ESME Egyptian Society of Mechanical Engineers

ESP Energy Simulation Program

ETE Epitestudomanyi Egyesulet (Scientific Society for Building, Hungary)

ETL ETL Testing Laboratories

ETS Environmental Tobacco Smoke

EUROVENT/ European Committee of Air Handling and Air Conditioning Equipment Manufacturers and

CECOMAF the European Committee of Manufacturers of Refrigeration Equipment

EUI Energy Use Index

EX Executive Committee

EX-O Ex-Officio Member from the Board of Directors

ExCom Executive Committee (also EX)

EXER Exergy Analysis for Sustainable Buildings

FASHRAE ASHRAE Fellow

FGI Facility Guidelines Institute

FI Finance Committee

FI Formaldehyde Institute

FINVAC Finnish Association of Heating, Ventilating, and Air-Conditioning Societies

FMI Food Marketing Institute

FMRC Factory Mutual Research Corporation

FTC Federal Trade Commission

FY Fiscal Year

FYE Fiscal Year Ending

GAMA Gas Appliance Manufacturers Association

GAME Greening ASHRAE Meetings and Expositions

GATT General Agreement on Tariffs and Trade

GBA Green Building Alliance

GBCB Green Building Council Brasil

GBI Green Building Initiative

GCCA Global Cold Chain Alliance

GEMS Generalized Engineering Modeling and Simulation

GGAC Grassroots Government Advocacy Committee

GIA Grant-in-Aid

GMA Grocery Manufacturers of America

GOST USSR Standards Institute

GPC Guideline Project Committee

GRAS Generally Recognized as Safe (FDA/HHS)

GRI Gas Research Institute

GRP Government Co-sponsored Research Project (archaic)

GSA U.S. General Services Administration

GSAE Georgia Society of Association Executives

GSPE Georgia Society of Professional Engineers

GWP Global Warming Potential

H&A Honors and Awards Committee

HB Handbook Committee

HBDP High-Performance Building Design Professional

HCFC Hydrofluorocarbon

HFDP Healthcare Facility Design Professional

HI Historical Committee

HI Hydronics Institute

HO Honors and Awards Committee (also H&A)

HPAC Heating/Piping/Air Conditioning (periodical)

HRAI Heating, Refrigerating and Air-Conditioning Institute of Canada

HUD U. S. Department of Housing and Urban Development

HVAC Heating, Ventilating and Air-Conditioning

HVI Home Ventilating Institute

IACSC International Association of Cold Storage Contractors

IAPMO International Association of Plumbing and Mechanical Officials

IAQ Indoor Air Quality

IARW International Association of Refrigeration Warehouses

IC International Committee

ICC International Code Council

ICBO International Conference of Building Officials

ICHMT International Centre for Heat and Mass Transfer

ICSP Interagency Committee for Standardization Policy

ICVAC The Icelandic Heating, Ventilating and Sanitary Association

IDEA International District Energy Association

IEC International Electrotechnical Commission

IEC International Exposition Company

IEEE Institute of Electrical and Electronics Engineers

IEQ Indoor Environmental Quality

IESNA Illuminating Engineering Society of North America

IFMA International Facility Management Association

IGBC Indian Green Building Council

IHS Information Handling Services

IIAR International Institute of Ammonia Refrigeration

IIE Institute of Industrial Engineers

IIR International Institute of Refrigeration

ILM International Liaison Member

ILS Intersociety Liaison Subcommittee (of Standards Committee)

IMACA International Mobile Air Conditioning Association

IN International Committee

IOR Institute of Refrigeration (UK)

I-P Inch-Pound

IRHACE Institute of Refrigeration, Heating and Air-Conditioning Engineers of New Zealand, Inc.

ISA Instrument Society of America

ISES International Solar Energy Society

ISHRAE Indian Society of Heating, Refrigerating and Air-Conditioning Engineers

ISHRAE Israel Society of Heating, Refrigeration & Air-Conditioning Engineers

ISIAQ International Society of Indoor Air Quality and Climate

ISO International Organization for Standardization

ISO/DIS ISO/Draft International Standards

ITCC Interstate Truckload Carriers Conference

JAR Japanese Association of Refrigeration

JE Joint ASHRAE/AIR Exposition Policy Committee

JF Justice Facilities

JR Journal/Insights Committee

JRAIA Japanese Refrigeration and Air Conditioning Industry Association

JSRAE Japan Society of Refrigeration and Air-Conditioning Engineers

KGH Serbian Society of Heating, Ventilating, Air-Conditioning, and Refrigerating

KNVVK Royal Dutch Association of Refrigeration

LANL Los Alamos National Laboratory

LBNL Lawrence Berkeley National Laboratory

LEED Leadership in Energy and Environmental Design

LITES Lithuanian Thermotechnical Engineers’ Society

LIVI Society of Building Services and Energy Engineers

LMC Life Members Club

LRRP Long Range Research Plan

LYBUNT Last Year, But Not This (Year), (fundraising term)

MA Meetings Arrangements Committee

MMACS Mobile Air Conditioning Society

MAP Manual of Acceptable Practices

MBO Management by Objective

MC Members Council

MCAA Mechanical Contractors Association of America

MCO Manual for Chapter Operations

MHI Manufactured Housing Institute

MIMA Mineral Insulation Manufacturers Association

MOP Manual of Procedures

MOR Manager of Research

MORP Manual of Recommended Practice

MOS Manager of Standards

MPC Membership Promotion Committee (or MP)

MPAG Manual for Processing ASHRAE Guidelines

MPAS Manual for Processing ASHRAE Standards

MPS Minimum Property Standards

MSCA Mechanical Service Contractors of America

MTS Manager of Technical Services

MVMA Motor Vehicle Manufacturers Association of the United States

NAA National Aeronautics Association

NAC National Asbestos Council

NACE National Association of Corrosion Engineers

NACME National Action Council for Minorities in Engineering

NADCA National Air Duct Cleaners Association

NAE National Academy of Engineering of the United States of America

NAFA National Air Filtration Association

NAHB National Association of Home Builders of the United States

NAIMA North American Insulation Manufacturers Association

NAM National Association of Manufacturers

NAPHCC National Association of Plumbing-Heating-Cooling Contractors

NAS National Academy of Sciences

NATE North American Technician Excellence, Inc.

NCEES National Council of Examiners for Engineering and Surveying

NCI National Cancer Institute

NCIAQ National Coalition on Indoor Air Quality

NCMA National Concrete Masonry Association

NCS/BCS National Conference of States on Building Codes and Standards

NEBB National Environmental Balancing Bureau

NEC National Electrical Code

NEHA National Environmental Health Association

NEMA National Electrical Manufacturers Association

NFI National Fisheries Institute

NFPA National Fire Protection Association

NGWA National Ground Water Association

NHAWA North American Heating and Air Conditioning Wholesalers Association

NIBS National Institute of Building Sciences

NIEHS National Institute of Environmental Health Science

NIOSH National Institute for Occupational Safety and Health (Centers for Disease Control, HHS)

NIST National Institute for Standards and Technology (U.S. Department of Commerce)

NO Nominating Committee

NOFR Notice of Final Rulemaking

NOPR Notice of Proposed Rulemaking

NORVAC Norwegian Association of Heating Ventilating & Sanitary Engineers (also, NORSK VVS)

NPA National Particleboard Association

NPP National Program Plan (for Building Thermal Envelope Systems)

NRCA National Roofing Contractors Association

NREL National Renewable Energy Laboratory

NSAE National Society of Architectural Engineers

NSPE National Society of Professional Engineers

NTIS National Technical Information Service

NWS National Weather Service (NOAA, Commerce)

ODS Ozone Depleting Substances

OEA Order of Engineers and Architects-Beirut

OEA Order of Engineers and Architects-Tripoli

OEKKV Austrian Air Conditioning and Refrigeration Society

OFAC U.S. Department of Treasury’s Office of Foreign Assets Control

ORNL Oak Ridge National Laboratory

OSHA Occupational Safety and Health Administration (Labor)

PAGA Procedures for ASHRAE Guidelines Actions

PAOE Presidential Award of Excellence

PASA Procedures for ASHRAE Standards Actions Under the ANSI Organization Method

PC Publishing Council

PD Position Document

PDC Professional Development Committee

PDH Professional Development Hours

PDS Professional Development Seminars

PE President-Elect

PE President-Elect Advisory Committee (also PEAC)

PE Professional Engineer (registered)

PEAC President-Elect Advisory Committee

PERSI Practice, Education, Research for Sustainable Infrastructure

PES Project Evaluation Subcommittee

PIE Practicing Institute of Engineering

PL ASHRAE Planning Committee (also PLC)

PMS Project Monitoring Subcommittee (for research projects)

PMSC Project Monitoring Subcommittee Chairman

PNNL Pacific Northwest National Laboratories (Battelle)

PO Purchase Order

PPIS Planning, Policy and Interpretations Subcommittee (of Standards Committee)

PP/S Position Paper/Statement

PR Society Programs Committee

PSVARE Philippine Society of Ventilating, Air-Conditioning and Refrigerating Engineers

PZITS Polish Association of Sanitary Engineers and Technicians

RAC Research Administration Committee

RAL Region-At-Large

RAN Refrigeration Association of the Netherlands

RAP Research Advisory Panel (of Research Administration Committee)

RAS Research Activities Subcommittee (of Research Administration Committee)

RE Refrigeration Committee (or REF)

RECC Regional Electronic Communications Chair

RETA Refrigerating Engineers and Technicians Association

REHVA Federation of European Heating and Air Conditioning Associations

RFP Request for proposal

RAOM Regional Award of Merit

RMCR Region Members Council Representative

ROB Rules of the Board

RP Research Project (contracted)

RPC Research Promotion Committee (or RP)

RPS Research Planning Subcommittee (of Research Administration Committee)

RSES Refrigeration Service Engineers Society

RTAR Research Topic Acceptance Request

RVC Regional Vice Chair

SAC Student Activities Committee (or SA)

SAE Society of Automotive Engineers

SAIRAC South African Institute of Refrigeration and Air-Conditioning

SAREK Society of Air-Conditioning and Refrigerating Engineers of Korea

SBCCI Southern Building Code Congress International

SBL Society Bylaws

SEAP Simplified Energy Analysis Procedure

SEIA Solar Energy Industries Association

SEREF Solar Energy Research and Education Foundation

SES Standards Engineering Society

SFPE Society of Fire Protection Engineers

SH Section Head (of Research Administration Committee)

SHASE Society of Heating, Air-Conditioning & Sanitary Engineers of Japan

SI International System of Units

SITHOK Slovenian Society of Refrigerating, Heating and Air-Conditioning Engineers

SLI Staff Liaison

SMACNA Sheet Metal and Air Conditioning Contractors National Association

SMWIA Sheet Metal Workers International Association

SNC Society Nominating Committee

SOEH Society for Occupational and Environmental Health

SP Special Project

SP Special Publications Committee

SPC Standard Project Committee

SPLS Standards Project Liaison Subcommittee (of Standards Committee)

SPO Strategic Plan Objective

SRC Society Rules Committee

SRC Sub-Regional Chair

SRCC Solar Rating and Certification Corporation (see SEIA)

SRP Strategic Research Plan

SSPC Standing Standard Project Committee

SSTP Slovak Society of environmental Technology

ST Standards Committee (also StdC)

StdC/ExCom Standards Committee/Executive Committee

STP Society of Environmental Engineering

SVOC Semi-Volatile Organic Compound

SWEDVAC Swedish Society of Heating and Air-Conditioning Engineers

SWKI Swiss Association of Heating and Air Conditioning Engineers

SY Society Year

SYBUNT Some Years, But Not This (Year), (fundraising term)

TAC Technical Activities Committee

TAG (See US/TAG)

TAPPI Technical Association of the Pulp and Paper Industry

TC Technical Committee

TC Technology Council

TE Technical, Energy and Government Activities Committee (also TEGA)

TEC Technical Evaluation Committee

TECFRIO Asociacion Nacional Capitulo Tecnico de Asofrio

TEE Technical Chamber of Greece

TEGA Technical, Energy and Government Activities Committee

TG Task Group

TIMA Thermal Insulation Manufacturers Association

TISP The Infrastructure Security Partnership

TPS Title, Purpose, and Scope

TRACE Trane Air Conditioning Economics (computer program for building energy consumption and life cost analysis)

TRG Technical Resource Group

TRP Tentative Research Project

TRRF The Refrigeration Research Foundation

TTMA Truck Trailer Manufacturing Association

TTMD Turkish Society of Heating, Ventilating, Air Conditioning and Sanitary Engineers

TVVL Dutch Society for Building Services

UBC Uniform Building Code

UCA Unvented Combustion Appliances

UFAD Underfloor Air Distribution

UFFI Urea-Formaldehyde Foam Insulation

UFFVA United Fresh Fruit & Vegetable Association

UL Underwriters Laboratories, Inc.

UNEP United Nations Environment Program

URP Unsolicited Research Proposal

USACE U.S. Army Corps of Engineers

USGBC United States Green Building Council

USMA United States Metric Association

USNC/CIB U.S. National Committee for the International Council for Building Research, Studies and Documentation

USNC/CIE U.S. National Committee of the International Commission on Illumination

USNC/IIR U.S. National Committee for the International Institute of Refrigeration

USNC/WEC U.S. National Committee of the World Energy Conference

US/TAG U.S. Technical Advisory Group (for ISO or IEC standards)

UV Ultra Violet

VRF Variable Refrigerant Flow

VVS Swedish Association of Heating and Ventilating Engineers

WATTec An annual technical conference in Knoxville, TN

WHO World Health Organization

WS Work Statement

WYEC Weather Year for Energy Calculations

YEA Young Engineers in ASHRAE

YRC Young Engineers in ASHRAE Regional Coordinator