

Acronyms

Abbreviation	Full text
the Authority	Calgary Airport Authority
AAAQOs	Alberta Ambient Air Quality Objectives
ACI	Airports Council International
ACNCC	Airport Community Noise Consultative Committee
ACRP	Airport Cooperative Research Program
ADY	Academy soil series
AEIS	Aircraft Emergency Intervention Services
AENV	Alberta Environment
AEPEA	Alberta Environmental Protection and Enhancement Act
AERMIC	American Meteorological Society/Environmental Protection Agency Regulatory Model Improvement Committee
AG	Alberta Government
AGRASID	Agricultural Region of Alberta Soil Inventory Database
AGS	Alberta Geological Survey
ALR	Aircraft Load Rating
AMC	Airside Maintenance Centre
AN-ISD	Aircraft Noise Induced Sleep Disturbance
ANHIC	Alberta Natural Heritage Information Centre
ANSP	Air Navigation Service Provider
APUs	Auxiliary Power Units
ARP	Area Redevelopment Plan
ASL	Above Sea Level
ASP	Area Structure Plan
ASRD	Alberta Sustainable Resource Development
ASWQO	Alberta Surface Water Quality Objectives
ATB	Airport Terminal Building
ATC	Air Traffic Control
ATE	Airport Trail Extension
ATMs	Air Traffic Movements
AVOP	Airside Vehicle Operators Permit
AVPA	Airport Vicinity Protection Area
AWMP	Airport Wildlife Management Plan
BLZ	Balzac soil series
BMPs	Best Management Practices
BNP	Banff National Park
BOD	Biological Oxygen Demand
BRT	Bus Rapid Transit
BTEX	Benzene, Toluene, Ethylbenzene, Xylene,
CAC	Criteria Air Contaminants
CAEP	Committee on Aviation Environmental Committee
CARs	Canadian Aviation Regulations
CCME	Canadian Council of Ministers of Environment
CDED	Canadian Digital Elevation Data
CDF	Central De-Icing Facility
CEA	Cumulative Effects Assessment
CEAA	<i>Canadian Environmental Assessment Act</i>
CEPA	<i>Canadian Environmental Protection Act</i>
CFFC	Calgary Fuel Facility Consortium
CH ₄	Methane
CLI	Canada Land Inventory
CO	Carbon Monoxide
CO ₂	Carbon Dioxide
CO _{2eq}	Carbon Dioxide Equivalent
COD	Chemical Oxygen Demand

Abbreviation	Full text
COSEWIC	Committee on the Status of Endangered Wildlife in Canada
CPA	Closest Point of Approach
CPAC	Calgary Pathways and Bikeways Advisory Council
CRAZ	Calgary Region Air Zone
CREB	Calgary Real Estate Board
CRP	Calgary Regional Partnership
CS	Comprehensive Study
CTP	Calgary Transportation Plan
CWS	Canada Wide Standards
DEL	Delacour soil series
DfT	Department for Transport
DGR	Dangerous Goods Route
DME	Distance Measuring Equipment
DN	Do-Nothing scenario
DNL	Day-Night Average Sound Level
DNL _c	Day-Night Average Sound Level for Communities
DS	Do-Something scenario
DU	Ducks Unlimited
E/D	Enplaning and deplaning
EA	Environmental Assessment
EC	Environment Canada
ECO Plan	Environmental Construction and Operations Plan
EDMS	Emissions and Dispersion Modelling System
EDNS	Emissions and Dispersion Modelling System
EG	Ethylene Glycol
EMS	Environmental Management System
EPA	Environmental Protection Agency
EPEA	<i>Environmental Protection and Enhancement Act</i>
EPNL	Effective Perceived Noise Level
ERP	Emergency Response Plan
ERS	Emergency Response Services
FAA	Federal Aviation Administration
FDR	Flight Data Recorder
FEC	Field Electric Centre
FICON	Federal Interagency Committee on Noise
FICUN	Federal Interagency on Urban Noise
FMA	Fedirchuk McCullough & Associates Ltd.
FTEs	Full Time Equivalents
GDP	Gross Domestic Product
GHG	Greenhouse Gas
GNSS	Global Navigation Satellite System
GPS	Global Positioning System
GSE	Ground Service Equipment
GWP	Global Warming Potential
HAPs	Hazardous Air Pollutants
HC	Health Canada
HHRA	Human Health Risk Assessment
HLC	High Load Corridor
HRIA	Historical Resources Impact Assessment
ICAO	International Civil Aviation Organization
IFP	International Facilities Project
IFR	Instrument Flight Rules
IHD	Ischemic Heart Disease
ILS	Instrument Landing System

Abbreviation	Full text
INAC	Indian and Northern Affairs Canada
INM	Integrated Noise Model
IPCC	Intergovernmental Panel on Climate Change
L_{eq}	Equivalent Sound Measure
L_{max}	Maximum Sound Level
L_{night}	Total Night-Time Sound Energy
LDN	Day-Night Sound Level
LFN	Low Frequency Noise
LOAEL	Lowest Observed Adverse Effects Level
LRT	Light Rail Transit
LSA	Local Study Area
LST	Local Standard Time
LTOs	Landing and Takeoff Operations
MAL	Maximum Acceptable Level
MBCA	Migratory Birds Convention Act
MDL	Maximum Desirable Level
MET	Raw Meteorological Data
MGA	Municipal Government Act
MGTOW	Maximum Gross Take Off Weight
MMEU	Multi-Model Extraction Utility
MTL	Maximum Tolerable Level
MUNAME	Map Unit Name
N_2O	Nitrous Oxide
NA	Number of Events Above
NAAQOs	National Ambient Air Quality Objectives
NADP	Noise Abatement Departure Procedures
NAP	Noise Abatement Procedures
NCWMCA	Nose Creek Watershed Management Catchment Area
NCWMP	Nose Creek Watershed Management Partnership
NCWWMP	Nose Creek Watershed Water Management Plan
NEF	Noise Exposure Forecast
NMSs	Noise Monitoring Stations
NMTs	Noise Monitoring Terminals
NO_2	Nitrogen Dioxide
NO_x	Oxides of Nitrogen
NPD	Noise Propagation Data
NPRI	National Pollution Reporting Inventory
O_3	Ozone
PG	Propylene Glycol
PHCs	Petroleum Hydrocarbons
PM	Particulate Matter
PMRA	Pest Management Regulatory Agency
PNLT	Tone-corrected Perceived Level
PRP	Parallel Runway Project
RAIC	Restricted Area Identity Card
RfC	Reference Concentration
RKV	Rocky View soil series
RLUP	Regional Land Use Plan
RNAV	Required Navigation
RSA	Regional Study Area
RTM	Regional Transportation Model
SAE	Society of Automotive Engineers
SAGA	Sustainable Aviation Guidance Alliance
SARA	Species at Risk Act

Abbreviation	Full text
SCA	Soil Correlation Area
SEL	Sound Exposure Level
SELi	Sound Exposure Level Indoors
SF ₆	Sulphur Hexafluoride
SGER	Specified Gas Emitters Regulation
SIDs	Standard Instrument Departures
SO ₂	Sulphur Dioxide
SPL	Sound pressure level
SPM	Sustainable Pest Management
SSA	Site Study Area
STARs	Standard Terminal Arrival Routes
TA	Time Above
TC	Transport Canada
TSS	Total Suspended Solids
TWCG	Tenant Wildlife Control Guidelines
USAF	United States Air Force
v/c	Volume to capacity
VCs	Valued Components
VECs	Valued Ecosystem Components
VFR	Visual Flight Rules
VMC	Visual Meteorological Conditions
VNAP	Vertical Noise Abatement Procedures
VOCs	Volatile Organic Compounds
VOR	Very High Frequency Omni-Range
VSCs	Valued Social (or Socio-Economic) Components
VZF	Zero Flaps Minimum Safe Manoeuvring Speed
WHMIS	Workplace Hazardous Materials Information System
WHO	World Health Organization
WOC	Weather Office Canada
WSRBSR	Wetland Strategy for Reducing Bird Strike Risk
YBW	Springbank Airport
YQF	Red Deer Airport
YQL	Lethbridge Airport
YXC	Cranbrook Airport
YXH	Medicine Hat Airport
YYC	Calgary International Airport

Symbol	Unit of measure
%HA	Percentage Highly Annoyed
%HSD	Percentage Highly Sleep Disturbed
%LSD	Percentage Little Sleep Disturbed
%SD	Percentage Sleep Disturbed
°C	Degrees Celsius
cm	Centimetres
dB	Decibel
dBA	A-Weighted Decibel
ft	Feet
fpm	Feet per Minute
ha	Hectares
kHz	Kilohertz
km	Kilometres
km ²	Kilometres squared
km/hr	Kilometres per hour

kPa	Kilopascal
kt	Kilotonne
L	Litres
L/s	Litres per second
L/s/ha	Litres per second per hectare
lbs	Pounds
m	Metres
m asl	Metres above sea level
m/s	Metres per second
m/yr	Metres per year
m ²	Metres squared
m ³	Metres cubed
m ³ /day	Metres cubed per day
m ³ /s	Metres cubed per second
m ³ /yr	Metres cubed per year
mg	Milligrams
mg/L	Milligrams per litre
ml	Millilitres
mm	Millimetres
mm/yr	Millimetres per year
mph	Miles per hour
Mt	Megatonne
MW	Megawatts
Pa	Pascals
T	Tonne
µm	Microns
v/c	Volume to capacity