

APPENDIX A: ABBREVIATIONS AND ACRONYMS

A

AARE	Atmosphere and Air Resource Excellence
ABGR	Australian Building Greenhouse Rating
AEC	Architects, Engineers, Constructors
AEP	Alberta Environment and Parks
AER	Alberta Energy Regulator
AEW	Area of Excellence Weight
AHP	Analytic Hierarchy Process
AMD	Acid Metalliferous Drainage
ANP	Analytic Network Process
AOSP	Athabasca Oil Sands Projects
API	American Petroleum Institute
APM	Asset Performance Management
AQHI	Air Quality Health Index
AQI	Air Quality Index
ARD	Acid Rock Drainage
ASSIPAC	Assessing the Sustainability of Societal Initiatives and Proposing Agendas for Change

B

BBLS	Barrels
BBL/D	Barrel of Oil per Day
BCA	Benefit-Cost Analysis
BEE	Building Environmental Efficiency
BEES	Building for Environmental and Economic Sustainability

BEQUEST	Building Environmental Quality Evaluation for Sustainability through Time
BIA	Biodiversity Impact Assessment
BioIA	Biophysical Impact Assessment
BMPs	Best Management Practices
BOE	Barrel Oil Equivalent
BDP	Barrel per Day
BRE	Building Research Establishment
BREEAM	Building Research Establishment Environmental Assessment Method
BSC	Balance Scorecard
BSI	British Standard Institution
BSL	Beam Society Limited
BTU	British Thermal Unit
BVMR	Bitumen Valuation Methodology Regulation

C

CAM	Comparative Assessment Method
CAPP	Canadian Association of Petroleum Producers
CASBEE	Comprehensive Assessment System for Built Environment Efficiency
CASBEE-EB	CASBEE for Existing Buildings
CASBEE-NC	CASBEE for New Construction
CASBEE-HI	CASBEE for Heat Island Relaxation
CASBEE-MP	CASBEE for Market Promotion
CASBEE-RN	CASBEE for Renovation
CASBEE-TC	CASBEE for Temporary Construction
CASBEE-UD	CASBEE for Urban Development
CBA	Cost-Benefit Analysis
CDA	Canadian Dam Association
CDS	City Development Strategies
CEA	Cumulative Effects Assessment
CEAA	Canadian Environmental Assessment Act
CED	Cumulative Energy Demand
CEN	European Committee for Standardization

CEO	Chief Executive Officer
CERI	Canadian Energy Research Institute
CESI	Canadian Environmental Sustainability Indicators
CFS	Criteria/Criterion Final Score
CFW	Criteria/Criterion Final Weight
CHOPS	Cold Heavy Oil Production with Sands
CH₄	Methane
CI	Composite Indicator
CIA	Community Impact Analysis
CIB	Conseil International du Batiment
CIE	Community Impact Evaluation
CIM	Canadian Institute of Mining, Metallurgy, and Petroleum
CIS	Criteria Initial Score
CMIC	Canada Mining Innovation Council
CNRL	Canadian Natural Resources, Ltd.
CO	Carbon Monoxide
COI	Community of Interest
COPOLCO	Consumer Policy Committee
COSIA	Canada's Oil Sands Innovation Alliance
CO₂	Carbon Dioxide
CO_{2e}	Carbon Dioxide Equivalent
CPI	Continuous/Continual Performance Improvement
CSA	Canadian Standard Association
CSD	Commission on Sustainable Development
CSR	Corporate Social Responsibility
CSS	Cyclic Steam Stimulation
CVM	Contingent Valuation Method
CWF	Criterion Weight Factor
CWT	Criteria Weighting Tool
C2C	Cradle to Cradle

D

DAB	Design-Award-Build
DB	Design-Build

DBB	Design-Bid-Build
DBOM	Design-Build-Operate-Maintain
DCFROR	Discounted Cash Flow Rate of Return
DEH	Australian Department of Environment and Heritage
DFO	Fisheries and Oceans Canada
DIA	Demographic Impact Assessment
DIS	Draft International Standard
DM(s)	Decision Maker(s)
DPSIR	Driver-Pressure-State-Impact-Response
DSR	Driving-Force-State-Response
DSS	Decision Support Systems

E

EA	Environmental Assessment
EEA	European Environmental Agency
EcIA	Economic Impact Assessment
EIA	Environmental Impact Assessment/Analysis
EFIA	Economic and Fiscal Impact Assessment
ELECTRE	Elimination And Choice Expressing Reality
EMS	Environmental Management System(s)
EN	European Standard
ENGOS	Environmental Non-Governmental Organizations
EO	Earth Observation
EPC	Engineering, Procurement, and Construction
EPEA	Environmental Protection and Enhancement Act
EPI(s)	Environmental Performance Indicator(s)
EPS	Earnings per Share
ERCB	Energy Resources Conservation Board
ERCE	Education, Research, and Community Excellence
ERE	Energy Resource Excellence
ERM	Environmental Risk Management
ERR	Economic Rate of Return
ESIA	Environmental and Social Impact Assessment

ESRS	Environmental and Sustainability Rating System(s)
ESRD	Alberta Environment and Sustainable Resource Development
ESSD	Environmentally Sound and Sustainable Development

F

FSC	Forest Stewardship Council
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G

GAIA	Geometrical Analysis for Interactive Decision Aid
GBC	Green Building Challenge
GBCA	Green Building Council of Australia
GDP	Gross Domestic Product
GDSS	Group Decision Support System
GHEM	Green Home Evaluation Manual
GHG(s)	Greenhouse Gas(es)
GIS	Geographical Information System
GJ	Gigajoules
GMI	Green Mining Initiative
GNP	Gross National Product
GPI	Genuine Progress Indicator
GRI	Global Reporting Initiative

H

H₂S	Hydrogen Sulphide
Ha	Hectares
HBC	Hudson's Bay Company
HIA	Health Impact Assessment
HKBEAM	Hong Kong Building Environmental Assessment Method
HKSDU	Hong Kong Sustainable Development Unit
HQE	Haute Qualité Environnementale
HVAC	Heating, Ventilation, and Air Conditioning

I

IBE	Infrastructure and Buildings Excellence
IBEC	Institute for Building Environment and Energy Conservation
ICLEI	International Council for Local Environmental Initiatives
ICMM	International Council on Mining and Metals
ICT	Information and Communication Technology
ID & BC	Initial Development and Business Case
IDOE	Innovation in Design and Operations Excellence
IEA	International Energy Agency
IEQ	Indoor Environment Quality
IGOs	Intergovernmental Organizations
IIA	Integrated Impact Assessment
iiSBE	International Initiative for a Sustainable Built Environment
IIED	International Institute for Environment and Development
IISD	International Institute for Sustainable Development
ILO	International Labour Organization
IOM3	Institute of Materials, Minerals, and Mining
IRR	Internal Rate of Return
ISA	Integrated Sustainability Assessment
ISCAM	Integrated Sustainable Cities Assessment Method
ISO	International Organization for Standardization
IUNC	International Union for Conservation of Nature
IVM	Institute for Environmental Studies

J

JSBC Japan Sustainable Building Consortium

K

KBBLs	Kilobarrel
km	Kilometres
km²	Square Kilometre
KPI(s)	Key Performance Indicator(s)

kT	Kilotonnes
KTH	Royal Institute of Technology

L

LA21	Local Agenda 21
LCA	Life Cycle Assessment
LCA-OST	Life Cycle Assessment of Oil Sands Technologies
LCC	Life Cycle Costing
LCT	Life Cycle Thinking
LEED	Leadership in Energy and Environmental Design
LEED BC + C	LEED Building Design and Construction
LEED ID + C	LEED Interior Design and Construction
LEED ND	LEED Neighbourhood Development
LEED O + M	LEED Operations and Maintenance
LPG	Liquefied Petroleum Gas
LTFI	Lot-Time Injury Frequency
LUDA	Large Urban Distressed Areas

M

m³	Cubic Metre
MAC	Mining Association of Canada
MACBETH	Measuring Attractiveness by a Categorical Based Evaluation Technique
MATISSE	Methods and Tools for Integrated Sustainability Assessment
MAUT	Multi-Attribute Utility Theory
MBBLs	Thousand Barrels
MBD	Million Barrels per Day
MBOE	One Thousand Barrels of Oil Equivalent
MCA	Multi-Criteria Analysis
MCDA	Multi-Criteria Decision Analysis
MCDM	Multi-Criteria Decision Making
MDGs	Millennium Development Goals
MDSC	Multi-Disciplinary Stakeholder Committee
MEND	Mine Environment Neutral Drainage
MIPS	Material Intensity per Service

MLIT	Ministry of Land, Infrastructure, Transport and Tourism
Mm³	Million Metre
MMBOE	Million Barrels of Oil Equivalent
MMER	Metal Mining Effluent Regulations
MMLER	Metal Mining Liquid Effluent Regulations
MMSD	Mining, Mineral and Sustainable Development
MMSD-NA	Mining, Mineral and Sustainable Development North America
MOSS	Mineable Oil Sands Strategy
MPI(s)	Management Performance Indicator(s)
MSC	Multi-Stakeholder Committee
Mt	Megatonnes
Mt of CO₂e	Megatonnes in Carbon Dioxide Equivalent

N

NA E&P	North American Exploration and Production
NALE	Natural and Artificial Lighting Excellence
NBI	Norwegian Building Research Institute
NEB	National Energy Board
NEPA	National Environmental Policy Act
NGLs	Natural Gas Liquids
NGOs	Non-Governmental Organizations
NIST	U.S. National Institute of Standards and Technology
NO_x	Nitrogen Oxides
NO₂	Nitrogen Dioxide
NPV	Net Present Value

O

O₃	Ozone
OE	Oil Equivalent
OECD	Organisation for Economic Co-Operation and Development
OPI(s)	Operational Performance Indicator(s)
OSACR	Oil Sands Allowed Costs Regulation
OSDG	Oil Sands Development Group
OSRIN	Oil Sands Research and Information Network
OSRR	Oil Sands Royalty Regulation

OSTRF Oil Sands Tailings Research Facility
OSTC Oil Sands Tailings Consortium

P

PA Pactual
PAHs Polycyclic Aromatic Hydrocarbons
PB Pbaseline
PBS Planning Balance Sheet
PDCA Plan-Do-Check-Act
PEME Project and Environmental Management Excellence
pH Potential of Hydrogen
PIA Privacy Impact Assessment
PIF Performance Improvement Factor
PLA Project Lifecycle Assessment
PM Particular Matter
PM_{2.5} Fine Particulate Matter
PeM Performance Measurement
PPA Political and Policy Assessment
PPP Policies, Plans, and Programmes
PROMETHEE Preference Ranking Organization Method for Enrichment of Evaluations

R

RAMP Regional Aquatics Monitoring Program
RF Relevance Factor
RME Resources and Materials Excellence
RMW Regional Municipality of Waterloo
RMWB Regional Municipality of Wood Buffalo
ROI Return on Investment
ROR Rate of Return

S

SA Sustainability Appraisal/Sustainability Assessment
SAGD Steam-Assisted Gravity Drainage

SBAT	South African Sustainable Building Assessment Tool
SBSC	Sustainability Balanced Scorecard
SBi	Danish Building Research Institute
SC	Subcommittee
SCI(s)	Sustainable Community Indicator(s)
SCO	Synthetic Crude Oil
S/D	Shutdown
SDI(s)	Sustainable Development Indicator(s)
SDG(s)	Sustainable Development Goal(s)
SD-KPI(s)	Sustainable Development Key Performance Indicator(s) or Key Performance Indicators for Sustainability
SDS	Sustainable Development Strategy
SDW	Sub-Divisions Weights
SEA	Strategic Environmental Assessment/Analysis
SEEA	System of Integrated Environmental and Economic Accounting
SEI	Stockholm Environment Institute
SERI	Sustainable Europe Research Institute
SIA	Sustainability Impact Assessment
SoIA	Social Impact Assessment
SMS	Sustainability Management System
SOR	Steam to Oil Ratio
SO_x	Sulphur Oxides
SO₂	Sulphur Dioxide
SPI(s)	Sustainable Performance Indicator(s)
SRD	Sustainable Resource Development
SRI	Socially Responsible Investing
SROI	Social Return on Investment
SRS	Sustainability Rating Scale
SS	Suspended Solids
SSRE	Site and Soil Resource Excellence
STARS	Sustainability Tracking, Assessment and Rating System

T

T	Tonnes
TACTIC	Treatment of the Alternatives according to the Importance of Criteria

TAR's	Turnarounds
TBL	Triple Bottom Line Assessment
TC	Technical Committee
TERI	The Energy and Resources Institute
TIA	Technology Impact Assessment
TQA	Total Quality Assessment
TQM	Total Quality Management
TR	Technical Report
TRIF	Total Recordable Injury Frequency
TS	Technical Specification
TSM	Towards Sustainable Mining
TSS	Total Suspended Solids

U

UIA	Urban Impact Assessment
UN	United Nations
UNCED	United Nations Conference on Environment and Development
UNEP-MRF	United Nations Environment Programme's Mineral Resource Forum
UN-Habitat	United Nations Human Settlements Programme
USGBC	U.S. Green Building Council
UTA	Utility Additive

V

VAPEX	Vapour Recovery Extraction
VIMDA	Visual Interactive Method for Decision Analysis
VOC	Volatile Organic Compounds

W

WBEA	Wood Buffalo Environmental Association
WCED	World Commission on Environment and Development
WMI	Whitehorse Mining Initiative
WRE	Water Resource Excellence
WRI	World Resources Institute
WSSD	World Summit on Sustainable Development