

# GLOSSARY & ACRONYMS

AA	Appropriate Assessment
AADT	Annual Average Daily Traffic
AAWT	Annual Average Weekday Traffic
ABP	An Board Pleanála
ACA	Architectural Conservation Areas
ACC	Air-Cooled Condenser
ADMS	Atmospheric Dispersion Modelling System
AEP	Annual Exceedance Probability
AGI	Above Ground Installation
AIL	Abnormal Indivisible Loads
ALARP	As Low as Reasonably Practicable
AM	Ante Meridiem
APIS	Air Pollution Information System
Applicant	Shannon LNG Limited
AQLVs	Air Quality Limit Values
AQSR	Air Quality Standards Regulations
ASI	Archaeological Survey of Ireland
ASU	Aquatic Services Unit
ATC	Automatic Traffic Counter
BAT	Best Available Techniques
BBS	Breeding bird survey
BCI	Bat Conservation Ireland
Bcm	Billion cubic metres, gas equivalent
BCT	Bat Conservation Trust
BESS	Battery Energy Storage System
BLEVE	Boiling Liquid Expanding Vapour Explosion
BoCCI	Birds of Conservation Concern in Ireland
BOG	Boil-off Gas
Bq/m <sup>3</sup>	Becquerel per cubic metre
BPM	Best Practicable Means
BREF documents	Best Available Techniques Reference Documents
BS	British Standard
BSI	British Standards Institute
BTEX	Benzene, Toluene, Ethylbenzene and Xylene
BTO	British Trust for Ornithology
BWI	Bird Watch Ireland
CAFE	Clean Air for Europe
CAP	Climate Action Plan
CBC	Common Bird Census
CBR	California Bearing Ratio
CCC	Clare County Council
CCDP	Clare County Development Plan

CCGT	Combined Cycle Gas Turbines
CCR	Climate Change Resilience
CCTV	Closed Circuit Television
CDP	County Development Plan
CDW	Construction and Demolition Waste
CDWMP	Construction and Demolition Waste Management Plan
CEMP	Construction and Environmental Management Plan
CEMS	Continuous emissions monitoring system
CER	Commission for Energy Regulation
CFRAM	Catchment Flood Risk Assessment and Management
CGSs	County Geological Sites
C <sub>6</sub> H <sub>6</sub>	Benzene
CHP	Combined Heat and Power
CHS	Cultural Heritage Sites
CH <sub>4</sub>	Methane
CH <sub>2</sub> O	Formaldehyde
CIEEM	Chartered Institute of Ecology and Environmental Management
CIF	Construction Industry Federation
CIRIA	Construction Industry Research and Information Association
CLP	Classification, Labelling and Packaging
CO	Carbon Monoxide
CO <sub>2</sub>	Carbon Dioxide
COC	Constituents of Concern
COMAH	Control of Major Accidents and Hazards
CRAMP	Closure Remediation and Aftercare Management Plan
CRTN	Calculation of Road Traffic Noise
CRU	Commission for Regulation of Utilities
cSAC	Candidate Special Area of Conservation
CSM	Conceptual Site Model
CSO	Central Statistics Office
CTG	Combustion Turbine Generators
CTMP	Construction Traffic Management Plan
CWMP	Construction Waste Management Plan
DAC	Disability Access Certificate
DAHG	Department of Arts, Heritage and the Gaeltacht
DAHGI	Department of Arts, Heritage, Gaeltacht and the Islands
DAU	Development Applications Unit
dB	Decibels
DCCAE	Department of Communications, Climate Action and Environment
DCENR	Department of Communications, Energy and Natural Resources
DCHG	Department of Culture, Heritage and the Gaeltacht (More recently The Department of Tourism, Culture, Arts, Gaeltacht, Sport and Media)
DCM	Dichloromethane
DECC	Department of the Environment, Climate and Communications
DEFRA	Department of Environment, Food and Rural Affairs
DEHLG	Department of the Environment, Heritage and Local Government
DfT	UK Department for Transport

DHPLG	Department of Housing, Planning and Local Government
DMP	Dust Management Plan
DMRB	Design Manual for Roads and Bridges
DoECLG	Department of Environment, Community & Local Government
DoEHLG	Department of the Environment, Heritage and Local Government
DQRA	Detailed Quantitative Risk Assessment
DSA	Detailed Site Assessment
DWS	Drinking Water Standards
dwt	Deadweight tonnes
EA	UK Environment Agency
EC	Electrical conductivity
EC	European Commission
EclA	Guideline for Ecological Impact Assessment
EcMS	Ecology Monitoring Strategy
EHGV	Electric Heavy Goods Vehicle
EIA	Environmental Impact Assessment
EIAR	Environmental Impact Assessment Report
EIS	Environmental Impact Statement
ENTSO-G	European Network of Transmission System Operators for Gas
EPA	Environmental Protection Agency
EPUK	Environmental Protection UK
EQSs	Environmental Quality Standards
ERH	Electrical Resistance Heating
ERS	Emergency Release Systems
ESA	Environmental Site Assessment
ESB	Electrical Supply Board
ESBN	Electricity Supply Board Network
ESD	Emergency Shutdown
ESD	Effort Sharing Decision
ESM	Environmental Sensitivity Mapping
ESR	Effort Sharing Regulation
ETS	Emissions Trading Scheme
EU	European Union
F&G	Fire and Gas
FGS	Fire and Gas System
FRA	Flood Risk Assessment
FSRU	Floating Storage Regasification Unit
GAC	Generic Assessment Criteria
gCO <sub>2</sub>	Carbon dioxide equivalent
GHG	Greenhouse Gas
GGBS	Ground Granulated Blast Furnace Slag
GIIGNL	International Group of Liquefied Natural Gas Importers
GIS	Geographic Information System
GLAs	Gas unloading arms
GLVIA	Guidelines for Landscape and Visual Impact Assessment
GNI	Gas Networks Ireland
GSI	Geological Survey Ireland

GSU	Generator step-up transformer
GTV	Groundwater Threshold Values
GWB	General Watching Brief
GWh/day	Gigawatt hours per day
GWTP	Groundwater Treatment Plant
Ha	Hectares
HAZID	Hazard Identification
HAZOP	Hazard and Operability
HC	Hydrocarbons
HDV	Heavy Duty Vehicles
HE	Historic England
HE	Highways England
HEFS	High-End Future Scenario
HFC	Hydrofluorocarbons
HFO	Heavy Fuel Oil
HGV	Heavy Goods Vehicle
HMP	Habitat Management Plan
HNS	Hazardous and Noxious Substances
HRSG	Heat recovery Steam Generator
HSA	Health and Safety Authority
HSE	Health Service Executive
HUDU	Healthy Urban Development Unit
HV	High Voltage
HVAC	Heating, ventilation and air conditioning
Hz	Hertz
IAA	Irish Aviation Authority
IAE	Irish Academy of Engineering
IAQM	Institute of Air Quality Management
ICCI	In-combination Climate Change Impact
ICE	Inventory of Carbon and Energy
ICF	Irish Concrete Federation
ICM	Integrated Catchment Modelling
ICSS	integrated control and safety system
IE	Industrial Emissions
IEA	International Energy Association
IEC	International Electrotechnical Commission
IED	Industrial Emissions Directive
IEL	Industrial Emissions Licence
IEMA	Institute of Environmental Management and Assessment
IFI	Inland Fisheries Ireland
IGC Code	International Code for the Construction and Equipment of Ships Carrying Liquefied Gases in Bulk
IGI	Institute of Geologists of Ireland
IGN	International Gas Union
IGV	Interim Guidelines Values
IMO	International Maritime Organization
IPCC	Intergovernmental Panel on Climate Change
IPH	Institute of Public Health

IPIECA	International Petroleum Industry Environmental Conservation Association
IPPC	Integrated Pollution Prevention Control
iSEM	Integrated Single Electricity Market
ISMP	Invasive Species Management Plan
ISO	International Organization for Standardisation
IVC	Irish Vegetation Classification
IWeBS	Irish Wetland Bird Survey
JTC	Junction Turning Counts
KCC	Kerry County Council
KER	Key Ecological Receptors
Kg	Kilogram
km	Kilometre
Km <sup>2</sup>	Square Kilometre
ktoe	Tonne of oil equivalent
kV	Kilovolt
LAP	Local Area Plan
Laeq	Noise – Terms – Energy Averaging
LCA	Landscape Character Assessment
LCAs	Landscape Character Areas
LCPD	Large Combustion Plant Directive
LCT	Landscape Character Types
LGV	Light Goods Vehicle
LNG	Liquefied Natural Gas
LNGC	Liquefied Natural Gas Carrier
LNG Regasification	Process that converts LNG to a gaseous state by heating the LNG using either seawater or gas-fired water heaters
LoW	List of Wastes
LPA	Local Planning Authority – Kerry County Council
L/s	Litres per second
LV	Low Voltage
LVs	Limit Values
LVIA	Landscape and Visual Impact Assessment
m	Metre
MA&D	Major Accidents and Disasters
MAH	Major Accident Hazard
MAPP	Major Accident Prevention Policy
MARPOL	International Convention for the Prevention of Pollution
MASP	Metropolitan Area Strategic Plans
MATTE	Major Accident to the Environment
m bct	Metres below casing top
m bgl	Metres below ground level
MCC	Motor Control Centres
MDL	Method Detection Limit
MDO	Marine Diesel Oil
MEL	Minerex Environmental Limited
MFO	Marine Fuel Oil
mg/l	Milligram per litre

MHWS	Mean High Water Spring
MIC	Maximum Instantaneous Charge
Million Sm <sup>3</sup> /d	Million Standard Cubic Metres per Day
MIP	Membrane Interface Probe
mm	Millimetres
MMBtu	Metric Million British Thermal Unit
mm/hr	Millimetre per hour
MMP	Mobility Management Plan
MMQ	Maximum Mean Queue
mm/s	Millimetre per second
MNA	Monitored Natural Attenuation
m OD	Metres Ordnance Datum
MRFS	Mid-Range Future Scenario
m/s	Metre per second
Mt	Million tonnes
MtCO <sub>2</sub> e	Million tonnes of CO <sub>2</sub> equivalent
MPTA	Million tonnes per year
MTOE	Million tonnes of oil equivalent
MV	Medium voltage
MW	Mega watt
MWhr	Mega watts per hour
m <sup>2</sup>	Square metre
m <sup>3</sup>	Cubic metre
M <sup>3</sup> /day	Cubic metre per day
M <sup>3</sup> /hr	Cubic metre per hour
N	Ammoniacal nitrogen
NAC	Noise Advisory Council
N/A	Not Applicable
NBDC	National Biodiversity Data Centre
NCDWC	National Construction and Demolition Waste Council
NCP	National Contingency Plan
NDBC	National Biodiversity Data Centre
NDP	The National Development Plan
NECP	National Energy & Climate Plan
NF <sub>3</sub>	Nitrogen trifluoride
NFPA	National Fire Protection Association
NHS	National Health Service
NIAH	National Inventory of Architectural Heritage
NIEA	Northern Ireland Environment Agency
NIS	Natura Impact Statement
NLS	National Landscape Strategy
NMI	National Museum of Ireland
NMPF	National Marine Planning Framework
NMS	National Monument Service
NO	Nitric Oxide
N <sub>2</sub> O	Nitrous Oxide
NO <sub>2</sub>	Nitrogen Dioxide

NO <sub>x</sub>	Oxides of Nitrogen
NORA	National Oil Reserves Agency
NPF	National Planning Framework
NPO	National Policy Objectives
NPWS	National Parks and Wildlife Service
NRA	National Roads Authority
NRA	Navigation Risk Assessment
NRMM	Non-Road Mobile Machinery
NSO	National Strategic Outcome
NSR	Noise Sensitive Receptor
NSS	National Spatial Strategy
NTS	Non-Technical Summary
O <sub>3</sub>	Ozone
OCEMP	Outline Construction Environmental Management Plan
OCTMP	Outline Construction Traffic Management Plan
OD	Ordnance Datum
OEE	Office of Environmental Enforcement
OMP	Odour Management Plan
OPW	Office of Public Works
OS	Ordinance Survey
OSI	Ordinance Survey Ireland
PAH	Polycyclic Aromatic Hydrocarbons
PBU	Package boiler units
PC	Process Contribution
PCS	Power conversion system
PCU	Passenger Car Unit
PDC	Power Distribution Centre
PEC	Predicted Environmental Concentration
PFC	Perfluorocarbons
PFP	Passive fire protection
PM	Post Meridien
PM <sub>10</sub>	Particulate Matter (smaller than 10 microns in diameter)
PM <sub>2.5</sub>	Particulate matter (smaller than 2.5 microns in diameter)
pNHA	Proposed Natural Heritage Area
PPE	Personal Protective Equipment
ppm	Parts per million
PPUs	Pilot Portable Units
ppv	Peak Particle Velocity
PRF	Potential Roost Feature
Proposed Development	Proposed combined cycle natural gas plant with three combustion turbines, a battery energy storage system, and a liquefied natural gas Terminal, known collectively as the Shannon Technology and Energy Park
Proposed Development Site	52 ha location on the Shannon Estuary between Tarbert and Ballylongford in Co. Kerry on which the Proposed Development will be constructed
PSA	Preliminary Site Assessment
PSS	Process Safety System
psu	Practical salinity unit
QC/DC	Quick Connect/ Disconnect Coupling

QI	Qualifying Interest
QRA	Quantitative Risk Assessment
RPT	Rapid Phase Transition
RBMP	River Basin Management Plan
RES-E	Renewable Energy Sources for Electricity
RFC	Ratio of Flow to Capacity
SFPC	Shannon Foynes Port Company
RHM	Register of Historic Monuments
RMP	Record of Monuments and Places
RO	Recognized Organizations
RPO	Regional Policy Objective
RPS	Record of Protected Structures
RSA	Road Safety Audit
RSES	Regional Spatial and Economic Strategy
RSO	Recognized security organization
SAC	Special Area of Conservation
SCI	Special Conservation Interest
SEA	Strategic Environmental Assessment
SEAI	Sustainable Energy Authority of Ireland
SEAPT	Shannon Estuary Anti-Pollution Team
SED	Solvent Emissions Directive
SEMO	Single Electricity Market Operator
SF <sub>6</sub>	Sulphur hexafluoride
SHG	Shannon Group
SI	Statutory Instrument
SID	Strategic Infrastructure Development
SIFP	Strategic Integrated Framework Plan
SIGTTO	Society of International Gas Tanker and Terminal Operators
SIS	Safety Instrumented Systems
SLw	Sound Power Level
SLWL	Summer Load Water Line
Sm <sup>3</sup> /d	Standard Cubic Metres per Day, cubic metre natural gas at 101,325 Pa and 15°C, dry
SMR	Sites & Monuments Record
SNH	Scottish National Heritage
SO <sub>2</sub>	Sulphur Dioxide
SOLAS	Safety of Life at Sea
SOPEP	Shipboard Oil Pollution Emergency Plan
SPA	Special Protection Area
SRTM	Shuttle Radar Topography Mission
SS	Suspended Solids
SSAC	Site Specific Assessment Criteria
STCW	Standards of Training, Certification & Watchkeeping for Seafarers
STEP	Shannon Technology and Energy Park
SWMP	Site Waste Management Plan
t	Tonnes
tCO <sub>2</sub> e	Tonnes of carbon dioxide equivalent
TEN-E	Trans-European Networks for Energy



THC	Total Hydrocarbons
TII	Transport Infrastructure Ireland
TMP	Traffic Management Plan
TNSS	Tills derived from Namurian Sandstones and Shales
TOC	Total Organic Carbon
TP	Trial Pit
TPH	Total Petroleum Hydrocarbons
TR	Temporary refuge
TRL	Transport Research Laboratory
TTA	Traffic and Transport Assessment
TWh	Terawatt hours
TWhr/yr	Terawatt-hour-per-year
UAIA	Underwater Archaeological Impact Assessment
UK	United Kingdom
UN	United Nations
UNFCCC	United Nations Framework Convention on Climate Change
V	Voltage
VOC	Volatile Organic Compound
VP	Vantage Point
VTMIS	Vessel Traffic Management Information System
WBH	Water Bath Heaters
WERLA	Waste Enforcement Regional Lead Authority
WFD	Water Framework Directive
WFD	Waste Framework Directive
WID	Waste Incineration Directive
WLU	Wildlife Licensing Unit
WMP	Waste Management Plan
WRAP	Waste and Resources Action Plan
WWTP	Wastewater treatment plant
ZoI	Zone of Influence
ZTV	Zone of Theoretical Visibility
µg/m <sup>3</sup>	Microgram per cubic metre
µm	Micrometre
%	Percent
>	Greater than

### Acoustic Glossary

Please see the acoustic glossary in appendix A9-1 for a detailed summary of key acoustic terms.