

Riverside Energy Park

Preliminary Environmental Information Report

CHAPTER:

17

PLANNING INSPECTORATE REFERENCE NUMBER:
EN010093

**GLOSSARY OF ABBREVIATIONS
AND DEFINITIONS**

June 2018 | Revision 0

Planning Act 2008 | Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

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17 Glossary of Abbreviations and Definitions

| Acronym/term | Full term/definition |
|------------------------|---|
| AAD 2008 | Ambient Air Directive 2008 |
| AADT | Annual Average Daily Traffic |
| AC | Alternating Current |
| ACC | Air Cooled Condenser |
| AD | Anaerobic Digestion |
| ADMS | UK Atmospheric Dispersion Modelling System |
| AEL | Air Emission Limits |
| AERMOD | American Meteorological Society/Environmental Protection Regulatory Model |
| AHAP | Area of High Archaeological Potential |
| ALGG | All London Green Grid |
| AOD | Above Ordnance Datum (Ordnance Datum Newlyn) |
| APCR | Air Pollution Control Residues |
| APFP 2009 | The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended) |
| APIS | Air Pollution Information System |
| [the] Applicant | The party applying for the Riverside Energy Park Development Consent Order, in this case Cory Environmental Holdings Limited (trading as Cory Riverside Energy) |
| [the] Application Site | The REP site, the Electrical Connection, and the temporary laydown areas (i.e. all development proposed within the Indicative Application Boundary) |
| AQAL | Air Quality Assessment Level |
| AQAP | Air Quality Action Plan |
| AQDMP | Air Quality Dust Management Plan |
| AQDRA | Air Quality Dust Risk Assessment |
| AQMA | Air Quality Management Area |
| AQN | Air Quality Neutral |
| AQS | Air Quality System |
| As | Arsenic |
| ASR | Annual Summary Report |
| ATC | Automatic Traffic Counts |
| BA | Bexley Archives |
| BAP | Biodiversity Action Plan |
| BAT | Best Available Techniques |
| BL | The British Library |

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| BREF | Best Available Techniques Reference Document |
| BS | British Standard |
| [the] Cable Route Temporary Construction Compound(s) | Compounds that are required temporarily along the Electrical Connection route to facilitate the laying of cables and associated works. |
| C&I | Commercial and Industrial |
| CBC | Common Bird Census |
| CBD | UN Convention on Biological Diversity |
| CCG | Clinical Commissioning Group |
| CCS | Combustion Control System |
| Cd | Cadmium |
| CHP | Combined Heat and Power |
| CHP Enabled | a plant which is fully capable of exporting heat, with all required infrastructure in place. The Environment Agency considers this approach Best Available Technique (BAT) for energy efficiency in circumstances where there are technically and economically viable opportunities for the supply of heat from the outset. For REP this would include district heating pipes laid to the site boundary. |
| CIEEM | Chartered Institute of Ecology and Ecological Management |
| CIRIA | Construction Industry Research and Information Association |
| CIWEM | Chartered Institution of Water and Environmental Management |
| CLP | Construction Logistics Plan |
| CNG | Compressed Natural Gas |
| CO | Carbon Monoxide |
| Co | Cobalt |
| CO ₂ | Carbon Dioxide |
| CoC | Chamber of Commerce |
| COMAH 2015 | Control of Major Accidents Hazards Regulations 2015 (as amended) |
| CoCP | Code of Construction Practice |
| COPA 1974 | Control of Pollution Act 1974 (as amended) |
| CoPC | Compounds of Potential Concern |
| Cory | Cory Environmental Holdings Limited (trading as Cory Riverside Energy) |
| COSHH 2002 | Control of Substances Hazardous to Health Regulations 2002 |
| COT | Committee on Toxicity |
| CPZ | Controlled Parking Zone |
| Cr | Chromium |
| CROW 2000 | Countryside and Rights of Way Act 2000 (as amended) |
| CRTN | Calculation of Road Traffic Noise |

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|-----------------------------------|--|
| CsF | Carcinogenic Slope Factor |
| CTMP | Construction Traffic Management Plan |
| Cu | Copper |
| CWS | County Wildlife Site |
| C ₆ H ₆ | Benzene |
| DAS | Design and Access Statement |
| dB | Decibel |
| DBA | Desk Based Assessment |
| DBC | Dartford Borough Council |
| DC | Direct Current |
| DCLG | Department for Communities and Local Government (the predecessor department to MHCLG). |
| DCO | Development Consent Order |
| dDCO | Draft Development Consent Order |
| DCMS | Department for Digital, Culture Media and Sport |
| DE | Decentralised Energy |
| DEFRA | Department for Environment, Food and Rural Affairs |
| DETR | Department of Environment, Transport and the Regions (former) |
| DfT | Department for Transport |
| DH | District Heating |
| DMRB | Design Manual for Roads and Bridges |
| DNO | Distribution Network Operator |
| DPD | Development Plan Document |
| DSP | Delivery and Servicing Plan |
| DTA | Dartford Town Archive |
| EA | Environment Agency |
| EEA | European Economic Area |
| EALs | Environmental Assessment Levels |
| EC | European Commission |
| EcIA | Ecological Impact Assessment |
| EFT | Emissions Factor Toolkit |
| EfW | Energy from Waste |
| EHO | Environmental Health Officer |
| EIA | Environmental Impact Assessment |
| [the] Electrical Connection | the works from the REP Electrical Interface Point in the onsite substation to the Electrical Connection Point to the electricity distribution connection |
| [the] Electrical Connection Point | the connection point at Littlebrook substation |
| [the] Electrical Connection route | the route of the Electrical Connection |

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| ELV | Emission Limit Values |
| EMFs | Electromagnetic Fields |
| EMP | Bexley Energy Master Plan |
| [the] Energy Park | alternative reference for Riverside Energy Park |
| EP | Environmental Permit |
| EPA 1990 | Environmental Protection Act 1990 |
| EPS | Energy Performance Standard |
| EPUK | Environmental Protection UK |
| ERF | Energy Recovery Facility |
| ES | Environmental Statement |
| ESCo | Energy Services Company |
| ESCos | Energy Services Companies |
| EU | European Union |
| FALP | Further Alterations London Plan |
| FFL | Finished Floor Level |
| FGT | Flue Gas Treatment |
| Filtered Views | A view which is partially obscured by another object, for example a view through a tree canopy. |
| FRA | Flood Risk Assessment |
| Framed Views | A view that is restricted and bordered by objects located at the sides of the view; for example a view along a street which is bordered at both sides by buildings. |
| FTE | Full Time Equivalent |
| FWMA 2010 | Flood and Water Management Act 2010 (as amended) |
| FWRA | Foundation Works Risk Assessment |
| GCA | Ground Condition Assessment |
| GCN | Great Crested Newt |
| GHG | Greenhouse Gasses |
| GiGL | Greenspace Information for Greater London |
| GIS | Gas Insulated Switchgear |
| GLA | Greater London Authority |
| GLHER | Greater London Historic Environment Record |
| Glimpsed Views | A view which is seen or perceived briefly or partially, for example when the viewer is moving. |
| GLVIA | Guidelines for Visual Impact Assessment |
| GP | General Practice |
| GPLC | Guiding Principles for Land Contamination |
| GQA | General Quality Assessment |
| GVA | Gross Value Added |

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|-------------------------------------|---|
| GW | Gigawatt |
| GWD 1979 | Ground Water Directive (80/68/EEC) |
| GWDD 2006 | Ground Water Daughter Directive (2006/118/EC) |
| Ha | Hectare(s) |
| HAQMAAP | Havering's Air Quality Management Area Action Plan |
| HQ | Hazard Quotant |
| HCA | Homes and Communities Agency (former) known as Homes England |
| HCl | Hydrogen chloride |
| HCL | Hydrochloric Acid |
| HDD | Horizontal Directional Drilling |
| HDV | Heavy Duty Vehicles; a vehicle with a gross vehicle weight greater than 3.5 tonnes, includes Heavy Goods Vehicles and buses |
| HighE | Highways England |
| HistE | Historic England |
| HER | Historic Environment Record |
| HF | Hydrogen fluoride |
| Hg | Mercury |
| HGV | Heavy Goods Vehicle |
| HHRA | Human Health Risk Assessment |
| HHRAP | Human Health Risk Assessment Protocol |
| HIA | Health Impact Assessment |
| HMWB | Heavily Modified Water Body |
| HRA | Habitats Regulations Assessment |
| [the] HSE | Health and Safety Executive |
| HUDU | Healthy Urban Development Unit |
| IAQM | Institute of Air Quality Management |
| IBA | Incinerator Bottom Ash |
| ICNIRP | International Commission on Non-Ionizing Radiation Protection |
| IEA | Institute of Environmental Assessment |
| IED | Industrial Emissions Directive (2010/75/EU) |
| IEMA | Institute of Environmental Management and Assessment |
| Indicative Application Boundary | The indicative DCO application boundary which has been used for the purpose of the Preliminary Environmental Information |
| Infrastructure EIA Regulations 2017 | The Infrastructure Planning (Environmental Impact Assessment) Regulations 2017 |
| IPC | Infrastructure Planning Commission (now abolished and functions transferred to the Secretary of State by the Localism Act 2011) |
| IRAP | Industrial Risk Assessment Protocol |

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| IRR | Internal Rate of Return |
| ISO | International Organisation for Standardisation |
| I-TEFs | International Toxic Equivalency Factors |
| JNCC | Joint Nature Conservation Committee |
| JSNA | Joint Strategic Needs Assessment |
| KCC | Kent County Council |
| KHER | Kent Historic Environment Record |
| Km | Kilometre |
| KMBRC | Kent and Medway Biological Records Centre |
| KMWLP | Kent Minerals and Waste Local Plan |
| kV | Kilovolt |
| Kwh | Kilowatt hours |
| LAEI | London Atmospheric Emissions Inventory |
| LAQM | Local Air Quality Management |
| LBB | London Borough of Bexley |
| LBBD | London Borough of Barking and Dagenham |
| LBH | London Borough of Havering |
| LCA | Landscape Character Area |
| LEAP | London Enterprise Action Partnership |
| LDV | Light Duty Vehicle |
| LEconS | London Economic Strategy |
| dLEnvS | Draft London Environment Strategy |
| LI | Landscape Institute |
| LiDAR | Light Detection and Ranging |
| LLFA | Lead Local Flood Authority |
| LNR | Local Nature Reserve |
| LOAEL | Lowest Observed Adverse Effect Level |
| LoD | Limits of Deviation |
| LPA | Local Planning Authority |
| LSOAs | Lower super output areas – the smallest geographical area which aggregated census data is available for |
| LTP | Local Transport Plan |
| LVMF | London Views Management Framework |
| LWARB | London Waste and Recycling Board |
| LWS | Local Wildlife Site |
| M | Metre |
| MAGIC | Multi Agency Geographic Information for the Countryside |

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| [the] Main Temporary Construction Compound | The area west of Norman Road, Belvedere, to be used (temporarily) during construction of the REP site for laydown, parking, fabrication, welfare etc. |
| [the] Main REP Building | the main building housing the ERF, the majority of Anaerobic Digestion equipment, Battery Storage and supporting Solar panels |
| MCC | Manual Classified Counts |
| MEA | Manual of Environmental Appraisal |
| MHCLG | Ministry of Housing, Communities and Local Government (MHCLG) |
| MHWS | Mean High Water Springs |
| $\mu\text{g}/\text{m}^3$ | Microgram per cubic metre |
| mg/m^3 | Milligram per cubic metre |
| MMO | Marine Management Organisation |
| MMWMS | London's Wasted Resource – The Mayor's Municipal Waste Management Strategy |
| Mn | Manganese |
| MNR | Marine Nature Reserve |
| MO | Monin-Obukhov |
| MOL | Metropolitan Open Land |
| MPH | Miles Per Hour |
| MSOA | Middle Layer Super Output Area |
| MSW | Municipal Solid Waste |
| MTS | Mayor's Transport Strategy |
| MWe | Megawatt electricity |
| MWt | Megawatt thermal |
| MWh | Megawatt hour |
| MW | Megawatt |
| NAEI | National Atmospheric Emissions Inventory |
| NAQO | National Air Quality Objective |
| NAQS | National Air Quality Strategy |
| NCA | National Character Area |
| NCN | National Cycle Network |
| NE | Natural England |
| NEET | Not in Education, Employment or Training |
| NERC 2006 | The Natural Environmental and Rural Communities Act 2006 |
| ng/m^3 | Nanogram per cubic metre |
| NGR | National Grid Reference |
| NHBC | National House-Building Council |
| NH_3 | Ammonia |

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|-----------------|---|
| NHLE | National Heritage List for England |
| NHS | National Health Service |
| Ni | Nickel |
| NNR | National Nature Reserve |
| NMU | Non-motorised Users |
| NOEL | No Observed Effect Level |
| NOx | The Oxides of Nitrogen |
| NO ₂ | Nitrogen Dioxide |
| NPPF | National Planning Policy Framework |
| NPPG | National Planning Practice Guidance |
| NPPW | National Planning Policy for Waste |
| NPSs | National Policy Statements |
| NPS EN-1 | National Policy Statement - Overarching NPS for Energy |
| NPS EN-3 | National Policy Statement - Renewable Energy Infrastructure |
| NPS EN-5 | National Policy Statement - Electricity Networks Infrastructure |
| NPSE | Noise Policy Statement for England |
| NRA | Navigational Risk Assessment |
| NRS | National Readership Survey |
| NSIP | Nationally Significant Infrastructure Project |
| NSR | Noise Sensitive Receptor |
| NTS | Non-Technical Summary |
| NVZ | Nitrate Vulnerable Zone |
| OA | Opportunity Area |
| OAPF | Opportunity Area Planning Framework |
| Oblique Views | A view which is not seen or experienced in a direct way or angle; for example a view which is at a different angle to the main direction of the viewer's travel and therefore requires the head to be turned to perceive the view, and is not the main focus for that person. |
| Open Views | A view with no restrictions, not closed or blocked or framed. |
| OS | Ordnance Survey |
| PA 2008 | Planning Act 2008 (as amended) |
| PAC | Powdered Activated Carbon |
| PAHs | Polycyclic Aromatic Hydrocarbons |
| PAS100 | Publicly Available Specification 100 |
| Pb | Lead |
| PBA | Peter Brett Associates LLP |
| PC | Process Contribution |
| PCB | Polychlorinated biphenyl |

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| PCCD/F | Dioxins |
| PEC | Predicted Environmental Concentration |
| PEIR | Preliminary Environmental Information Report |
| PGH | Potential Geological Hazards |
| PHE | Public Health England |
| PIC | Personal Injury Collision |
| PIL | Preferred Industrial Location |
| PINS | Planning Inspectorate |
| PLA | Port of London Authority |
| PM10 – 2.5 | Small (fine and very fine) airborne particles |
| PPE | Personal Protective Equipment |
| PPG | Planning Practice Guidance (online) |
| PPV | Peak Particle Velocity |
| Proposed Development | The whole of the development comprising the Riverside Energy Park for which development consent is sought including the REP site, the Electrical Connection and the Temporary Construction Compounds. |
| PRoW | Public Right of Way |
| PSC | Potential Sources of Contamination |
| PTAL | Public Transport Accessibility Level |
| PV | Photovoltaic |
| RBG | Royal Borough of Greenwich |
| RBMP | River Basin Management Plan |
| RCV | Refuse Collection Vehicles |
| REMA | Revised Early Minor Alterations (to the London Plan) |
| REP | Riverside Energy Park |
| [the] REP Electrical Interface Point | The connection point between REP and the electrical distribution network (which is owned and operated by UKPN). This is currently assumed to occur within the onsite substation on the high voltage side |
| [the] REP site | The site of permanent works in the area adjacent to/around the Riverside Resource Recovery Facility, north of Norman Road |
| RfD | Reference Dose |
| RHPG | Registered Historic Parks and Gardens |
| Riverside Energy Park DCO | The name of the Development Consent Order that Cory are seeking |
| Rochdale Envelope | The Rochdale cases provide the basis upon which a project can be described by a series of maximum extents. This allows the detailed design of the Project to vary within this 'envelope' without invalidating the corresponding EIA |
| RRRF | Riverside Resource Recovery Facility |
| RsNR | Roadside Nature Reserve |

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| s42 | Lists prescribed bodies of The Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009 (as amended) |
| s46 | Notification to the Secretary of State of the proposed application |
| s61 | Application under section 61 of the Control of Pollution Act 1974 |
| SAB | Sustainable Drainage Systems Approval Bodies |
| SAC | Special Area of Conservation |
| SAR | Standardised Admission Ratio |
| Sb | Antimony |
| SCR | Selective Catalytic Reduction |
| SGV | Soil Guidance Value |
| SIL | Strategic Industrial Location |
| SINC | Site of Importance for Nature Conservation |
| SM | Scheduled Monument |
| SMI | Sites of metropolitan importance for nature |
| SMR | Standardised Mortality Ratio |
| SNCR | Selective Non-Catalytic Reduction |
| SO ₂ | Sulphur Dioxide |
| SOAEL | Significant Observed Adverse Effect Level |
| SOCC | Statement of Community Consultation |
| SO _x | Sulphur Oxides |
| SPA | Special Protection Area |
| SPD | Supplementary Planning Document |
| SPG | Supplementary Planning Guidance |
| SPZ | Source Protection Zone |
| SRN | Strategic Road Network |
| SSAC | Site Specific Assessment Criteria |
| SSSI | Site of Special Scientific Interest |
| STW | Sewage Treatment Works |
| SuDS | Sustainable Drainage Systems |
| SWMP | Site Waste Management Plan |
| SWOT | Strengths, Weaknesses, Opportunities and Threats |
| t | Tonne |
| TA | Transport Assessment |
| [the] Temporary Construction Compounds | Any areas used (temporarily) during construction for laydown, parking, fabrication, welfare etc. that do not fall within the REP site or do not comprise part of the permanent works associated with the Electrical Connection. This comprises the Main Temporary Construction Compounds and the Cable Route Temporary Construction Compounds |

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| TDI | Tolerable Daily Intake |
| TemPro | Trip End Model Presentation Program |
| TfL | Transport for London |
| Ti | Thallium |
| TLRN | Transport for London Road Network |
| TN | Target Note |
| TNA | The National Archive |
| TOC | Total Organic Carbon |
| TP | Travel Plan |
| tpa | Tonnes Per Annum |
| TPO | Tree Preservation Order |
| TraC | Transitional and Coastal (Transitional and Coastal Management Catchment) |
| TVIA | Townscape and Visual Impact Assessment |
| TVOC | Total Volatile Organic Carbon |
| UNECE | United Nations Economic Commission for Europe |
| UDP | Unitary Development Plan |
| UGF | Urban Greening Factor |
| UKPN | UK Power Networks Ltd |
| ULEZ | Ultra Low Emissions Zone |
| URF | Unit Risk Factor |
| VP | Viewpoint |
| V | Vanadium |
| WFD 2000 | Water Framework Directive (2000/60/EC) |
| WHO | World Health Organisation |
| WHS | World Heritage Site |
| WIA 1991 | Water Industry Act 1991 (as amended) |
| WID | Waste Incineration Directive |
| WIncD 2000 | Waste Incineration Directive (2000/76/EC) |
| WInfD | Waste Infrastructure Directive |
| WMS | Waste Management Strategy |
| WRA 1991 | Water Resources Act 1991 |
| WSI | Written Scheme of Investigation |
| WTS | Waste Transfer Station |
| ZOI | Zone of Influence |
| ZTV | Zone of Theoretical Visibility |
| 4CBG | Four Countries' Biodiversity Group |