

North West Transfer Detailed Feasibility and Concept Design - Glossary

14 November 2022

1. NWT SRO Glossary

Term	Reference	Explanation
ACWG	All Company Working Group	Steering group consisting of representatives of companies participating in the SRO process to ensure a consistent approach to delivery.
AIC	Average Incremental Cost	A unit cost measure that is defined in terms of the costs per cubic metre of additional water available at the point of entry into the treated water distribution system.
BNG	Biodiversity Net Gain	Biodiversity refers to the variety of living organisms including animals, insects, plants, bacteria and fungi. Net gain is the process of increasing the overall biodiversity value.
CAMS	Catchment Abstraction Management Strategy	The Environment Agency's programme of assessing and classifying the abstraction status of surface water catchments and groundwater sources across England and Wales.
CAPEX	Capital Expenditure	Investment in new, replacement or refurbished capital assets, such as construction or buying machinery.
CCW	Consumer Council For Water	A statutory consumer body for the water industry in England and Wales.
CDR	Conceptual Design Report	The CDR is a technical report that describes the project in sufficient detail to produce a budget cost estimate and to evaluate the merits of the project.
CEC	Contaminants of Emerging Concern	A term used to describe pollutants that have been detected in water bodies that may cause ecological or human health impacts, and typically are not regulated under current environmental laws.
CPO	Compulsory Purchase Order	A compulsory purchase order (CPO) allows a public authority to acquire land without the consent of the owner.
CRT	Canal and Rivers Trust	Charity which operates and maintains England and Wales waterways.
DCO	Development Consent Order	The means of obtaining permission to construct and maintain developments categorised as Nationally Significant Infrastructure Projects.
DGD	Dee General Directions	A set of rules which manage the water flow in the Dee and associated tributaries. These are regulated by the NRW.
DO	Deployable Output	The output of a commissioned source or group of sources or of a bulk supply as constrained by the environment; abstraction licences; water quality; existing water treatment; and supply system capacities.
DPC	Direct Procurement for Customers	Arrangements where a regulated Water Company competitively tenders for a third party (a competitively appointed provider, or CAP) to design, build, operate and/or maintain large scale infrastructure and, critically, finance such activities that would otherwise have been delivered by the Company.
DWI	Drinking Water Inspectorate	A division of the Department for Environment, Food and Rural Affairs. It is responsible for enforcing drinking water quality standards in England and Wales and making sure that the appointed water companies comply with the requirements of the drinking water regulations.

Term	Reference	Explanation
DWPA	Drinking Water Protected Areas	Defined within the Water Framework Directive, where raw water is abstracted from rivers and reservoirs.
DWSP	Drinking Water Safety Plan	Plan to ensure the safety of drinking water through the use of a comprehensive risk assessment and risk management approach that encompasses all steps in water supply from catchment to consumer.
EA	Environment Agency	An executive, non-departmental government body that has a statutory duty to protect and enhance the environment in England and Wales.
EDO	Emergency Droughts Orders	The Water Resources Act 1991 gives the Secretary of State or the National Assembly for Wales the power to grant ordinary and emergency drought orders to water undertakers or the EA. This provides discretion on the uses of water that may be prohibited or limited, and can authorise supply of water by standpipes or water tanks or impose rota cuts.
EIA	Environmental Impact Assessment	Used to assess the significant effects of a project or development proposal on the environment.
GWMU	Groundwater Management Unit	Defined areas where specific rules are used to manage the water resource according to the needs of groundwater users and the environment.
GPDO	General Permitted Development Order 2015	A statutory instrument, applying in England, that grants planning permission for certain types of developments.
GHG	Greenhouse Gas	A gas that absorbs and emits radiant energy within the thermal infrared range, causing the greenhouse effect.
GI	Ground Investigations	An intrusive investigation to establish the soil and rock profile and parameters for Geotechnical and Environmental purposes
HRA	Habitats Regulations Assessment	Habitats Regulations Assessment is the process that competent authorities must undertake to consider whether a proposed development plan or programme is likely to have significant effects on a European site designated for its nature conservation interest.
INNS	Invasive Non-Native Species	A species whose presence in the environment causes economic or environmental harm or harm to human health.
MEM	Market Engagement Methodology	The way in which UU will engage with the market, and deliver the market testing activities.
MI/d	Megalitres Per Day	The unit for quantifying water volumes.
NAU	National Assessment Unit	Centralised group of Environmental regulators established to advise RAPID's SRO programme.
NCA	Natural Capital Assessment	An assessment of the value of natural capital and the benefits (in the form of ecosystem services) it provides.
NE	Natural England	A non-departmental public body in the United Kingdom sponsored by the Department for Environment, Food and Rural Affairs.
NEUBs	Non-Essential Use Bans	A set of measures granted to water companies to impose further restrictions on the use of water as long as certain legislative tests are met.
NIC	National Infrastructure Commission	An executive agency responsible for providing expert advice to the Government on infrastructure challenges facing the UK.

Term	Reference	Explanation
NPV	Net Present Value	Net present value is the difference between the present value of cash inflows and the present value of cash outflows over a period of time. NPV is used in capital budgeting and investment planning to analyse the profitability of a projected investment or project.
NRW	Natural Resource Wales	Natural Resources Wales is a Welsh Government-sponsored public body established in 2013, with responsibilities relating to the protection and enhancement of the environment in Wales.
NSIP	Nationally Significant Infrastructure Project	Major infrastructure developments in England and Wales that bypass normal local planning requirements.
NWL	Northumbrian Water	An appointed water company serving the North East of England.
NWT	North West Transfer	An SRO delivered by UU investigating the feasibility of transferring water from the North West of England.
Ofwat	Office of Water Services	The economic regulator of the water and sewerage sectors in England and Wales.
OPEX	Operational Expenditure	Investment required to operate assets services. For example, it comprises power, rates, manpower, and chemicals.
PBD	Process Block Diagram	A process flow diagram is a diagram commonly used in chemical and process engineering to indicate the general flow of plant processes and equipment.
PCC	Per Capita Consumption	The sum of measured household consumption and unmeasured household consumption divided by the total household population.
PR19	Price Review 2019	Price review in 2019 to determine water prices, water company investment plans and service levels for the period 2020–25.
PR24	Price Review 2024	Price review in 2024 to determine water prices, water company investment plans and service levels for the period 2025–30.
PWS	Public Water Supply	Public water supply refers to water withdrawn by public and private water suppliers and delivered to users.
PFAS	Perfluoroalkyl and Polyfluoroalkyl Substances	A large, complex group of manufactured chemicals that are ingredients in various everyday products.
RAID	Risk, Actions, Issues, Decisions	A simple, effective project/program management tool to organise a project/program by tracking risks, actions, issues, and decisions.
RAPID	Regulators' Alliance for Progressing Infrastructure Development	Regulatory group formed to facilitate the development of new water infrastructure and design future regulatory frameworks.
SAC	Special Area Of Conservation	Land designated under Directive 92/43/EEC on the Conservation of Natural Habitats and of Wild Fauna and Flora.
SEA	Strategic Environmental Assessment	The assessment of the wider environmental, social and economic impacts of alternative proposals at the beginning of a project. That is, at the decision stage – the policy, planning or programme level.
SIPR	Specified Infrastructure Projects Regulations	A similar procurement model to DPC, however the third party delivering the project (Infrastructure Provider) is licensed and regulated by Ofwat.

Term	Reference	Explanation
SRO	Strategic Resource Option	Large-scale infrastructure solutions to provide water supply resilience. Sponsored by Ofwat.
SRZ	Strategic Resource Zone	The largest water resource zone, covering the majority of the North-West of England. Formerly the Integrated Resource Zone but including West Cumbria also.
SSSI	Site of Special Scientific Interest	A formal conservation designation. It describes an area of particular interest to science due to the rare species of fauna or flora it contains - or even important geological or physiological features that may lie in its boundaries.
SWQRA	Strategic Water Quality Risk Assessment	A risk assessment analysing a range of water quality related business risks.
STT	Severn to Thames Transfer	An SRO exploring the feasibility of transferring raw water from the River Severn to the River Thames through a new interconnector pipeline.
STW	Severn Trent Water	An appointed water company serving the English Midlands.
TCPA	Town and Country Planning Act 1990	The Act contains the main provisions in relation to town and country planning. It contains provisions regarding several aspects of planning, but perhaps most importantly, it sets out details about control over development, enforcement and special controls.
TOTEX	Total Expenditure	Capital expenditure (CAPEX) + operating expenditure (OPEX).
TUB	Temporary Usage Ban	A Temporary Use Ban, also called a Hose Pipe Ban, refers to the temporary restriction of water use.
Twort	Authors Name and Applied Standard	Twort's Water Supply, Seventh Edition, has been expanded to provide the latest tools and techniques to meet engineering challenges over dwindling natural resources. The book sets out levels of hardness against the measured mineral concentrations.
UKWIR	United Kingdom Water Industry Research Limited.	UKWIR facilitates and manages collaborative research for water and sewage companies in the United Kingdom.
UU	United Utilities	An appointed water company serving the North West of England.
VA	Vyrnwy Aqueduct	The Vyrnwy Aqueduct, which runs from Lake Vyrnwy in North Wales through to Merseyside, delivers drinking water to the North West region.
VAMP	Vyrnwy Aqueduct Modernisation Programme	A capital project being delivered by UU to clean and line the Vyrnwy Aqueduct.
Water UK	Water UK	Trade body representing the UK water and sewerage sectors.
WFD	Water Framework Directive	The European Union Water Framework Directive (2000/60/EC) establishes a strategic 'river basin planning' approach to managing the water environment. It provides a consistent approach for ensuring compliance with standards and objectives set for protected areas, and implementation of programmes of measures to meet those objectives.
WFDA	Water Framework Directive Assessment	An assessment of the impact an activity may have on the immediate water body and any linked water bodies.
WINEP	Water Industry National Environment Programme	A programme issued to water companies by the EA which outlines what regulators expect companies to include in future investment plans to meet environmental obligations.

Term	Reference	Explanation
WReN	Water Resources North	Group designed to oversee water resources planning for Yorkshire and the North East of England.
WRMP	Water Resource Management Plan	An appointed water company's long-term strategic plan for water resource development in its area.
WRSE	Water Resources South East	Group designed to oversee water resources planning for the South East Region of England.
WRW	Water Resources West	Group designed to oversee water resources planning for the West of England and the cross-border river systems with Wales.
WTW	Water Treatment Works	Assets used for the storage, treatment, filtration, and purification of water.
WwTW	Waste Water Treatment Works	Assets used to remove contaminants from wastewater and convert it into an effluent that can be returned to the water cycle.

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