

# REDUCING OUR ENVIRONMENTAL FOOTPRINT

At TC Energy, we are committed to protecting our planet while meeting the world's growing energy requirements.

How we interact with the environment is as important to us as it is to the communities in which we live and work. Our Environment Principles of environmental stewardship, protection and performance, guide our decisions every day when building and operating energy infrastructure.

We have a dedicated team of environmental professionals with a variety of backgrounds and technical expertise in all environmental subjects. Their job is to conserve and protect the land and ecosystems throughout the life of our assets—from business development to project planning and design, through construction and operations to remediation and final decommissioning.

## CONSIDERING NEW PROJECTS

As an organization with diverse businesses in natural gas and liquids transportation and storage and power generation, we are evolving to support the world's future energy demands.

We continue to advance investments in projects displacing coal-fired electricity generation, reducing methane and GHG emissions, expanding renewables, and supporting critical research. This includes our U.S. natural gas modernization program, our new developing solar and pumped hydro storage projects, the world's first waste heat recovery project and Bruce Power's partnership in creating the Centre for Next Generation Nuclear Technologies. We believe that we have a critical role to play in delivering responsibly-produced North American energy while also protecting our planet.

## PROJECT PLANNING AND DESIGN

When developing new projects, we carefully consider the potential effects on the environment. Working with scientists, biologists, engineers and other experts, TC Energy completes environmental impact assessments for our projects. The environmental impact assessment includes field studies that examine existing natural resources and land use along our proposed project footprint, such as vegetation, soils, wildlife, water resources, marine ecosystems, wetlands, sensitive habitats, and protected areas. We also work closely with the local community and Indigenous groups who know their land well and rely on their knowledge to improve our own planning. We engage with them early and often in the process to identify and understand their use of the lands and any additional unique environmental concerns.

Information gathered from the environmental impact assessment is used in design considerations including pipeline route selection and facility site selection and to inform project-specific environmental protection plans.

## CONSTRUCTION

Before construction begins, we engage contractors and suppliers who align with TC Energy's commitment and approach to the environment, communities and Indigenous peoples.

In order to conserve and protect the environment through construction and into operations, project-specific environmental protection plans are developed based on the initial environmental impact assessment.

*For nearly four years, we worked closely with Monongahela National Forest scientists, biologists and other experts during the planning, permitting and construction phases of the WB Xpress natural gas pipeline in West Virginia to ensure forest resources were protected.*



These plans include specific measures to be implemented before, during and after construction, such as avoiding habitat of sensitive species, monitoring wildlife during construction, restricting construction during sensitive wildlife activity periods, selecting specific construction methods designed to reduce impact on plant habitat, restoring wildlife habitat and more.

Our post-construction monitoring process assesses the effectiveness of environmental protection measures and ensures that the land is returned to as close to pre-construction condition as possible.

## OPERATIONS

TC Energy has an extensive environmental management program to ensure ongoing, day-to-day protection of the environment, including detailed operating procedures, extensive employee training and routine inspections and audits. We also have a comprehensive Emergency Management System designed to protect the health, safety and welfare of people, and avoid effects to property, company operations or the environment in the rare event of an emergency.

## REMEDIATION, DECOMMISSIONING AND RETIREMENT

We are dedicated to the protection of people and the environment when completing any necessary remedial activities, such as mitigating impacts from historical operating activities and spills. Our comprehensive environmental risk management framework ensures that beneficial and leading-edge remedial strategies are applied.

At the end of a pipeline's life cycle, the asset is taken out of service with as much thought and care as when it was proposed and constructed. When a pipeline needs to be decommissioned (cleaned, capped and maintained) or permanently retired (a process called "abandonment" by regulators), we follow a robust regulatory process taking into consideration applicable stakeholder engagement and environmental and social assessments of the ecosystem and communities in which the facilities are located. This robust process ensures that the effects of our developments on the land are not permanent and enables the return of the site to a state of equivalent land capability.

TC Energy has a 70-year track record of responsible development and reliable operation of North American energy infrastructure. Throughout the entire life cycle of the asset, we remain committed to managing our assets safely and responsibly.

To read more about environmental stewardship, protection and performance at TC Energy, please visit [TCEnergy.com/Sustainability/Environment](https://www.tcenergy.com/Sustainability/Environment).



*TC Energy's environmental impact assessments include field studies which examine existing natural resources and land use along our proposed project, such as vegetation, soils, wildlife, water resources, wetlands and protected areas.*

## CONTACT US

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