

## How we protect water

At TransCanada, we are committed to protecting the environment. Not just because we have to, but because we want to.



*TransCanada supplies enough generating capacity to power more than 10 million homes, over one-third of which comes from emission-less sources like this certified low-impact hydro facility in the U.S. Northeast.*

**We recognize that how we interact with the environment is of vital importance to you. It is to us, too. That's why TransCanada's Environment Strategy reflects our long-term corporate culture when it comes to environmental stewardship, protection and performance. It guides our decisions every day when building and operating energy infrastructure.**

TransCanada recognizes water and water systems as fundamental components of the ecosystems where we operate. The protection of our water resources is of the utmost importance to both the environment and our business.

### **Protecting our natural resources**

Whenever the potential exists for a proposed facility or pipeline to interact with water resources, we conduct evaluations to understand the nature and extent of the interaction. When necessary, specific plans are developed and implemented to ensure all resources are protected to maintain their natural function within the environment.

TransCanada has played a key role in advancements related to reducing the environmental impacts not only of our own activities, but across the industry. TransCanada continually works to study and predict the effect of pipelines on soil, surface water and groundwater conditions to ensure every possible step is taken to mitigate impacts. We share this knowledge across the industry.

Water is responsibly managed by our operations through a comprehensive environmental management program. For example, when we conduct hydrostatic pressure testing of our pipelines, 99.7 per cent of the water used is tested, treated and returned to the environment.



*While we remain dedicated to our goal of zero incidents, we also conduct regular emergency drills to ensure we have the tools and resources in place across our operations to protect people and the environment, including water resources.*

Our rigorous emergency management system also ensures we are prepared in the case of an incident at one of our facilities or along our pipelines, including regular emergency drills to ensure we have the tools and resources to protect people and the environment, including water resources. And while we recognize preparedness is a top priority through these ongoing drills and training programs across our three operating countries, we also remain dedicated to our goal of zero incidents.

As for our energy business, TransCanada has achieved a Low Impact Hydropower Institute (LIHI) certification for the bulk of our hydro generation in New England. LIHI is a non-profit organization dedicated to reducing the impacts of hydropower generation through the certification of hydropower facilities that have avoided or reduced their environmental impacts. The LIHI certification program is intended to protect multiple ecosystem components including river flows, water quality, fish and wildlife, as well as meeting recreation and cultural preservation needs. In order to be certified, a hydropower facility must pass the LIHI low impact standard for each of these ecosystem components, with criteria based on the most recent and most stringent state and federal mitigation measures.

## **Performance and recognition**

We measure and report on our performance each year in our Corporate Social Responsibility report. In 2016, TransCanada's achievements in environmental, social and economic performance were recognized with a gold class distinction – along with 'Industry Leader' and 'Industry Mover' awards – in RobecoSAM's globally recognized Sustainability Yearbook 2016 publication. We were also named to Corporate Knights' list of Best 50 Corporate Citizens in Canada. In 2015, TransCanada achieved a score at the 100th percentile on the Dow Jones Sustainability Index (DJSI), earning rankings on DJSI's North America and World Indices. Further, we were named to the Climate Disclosure Leadership Index by the CDP for our actions to disclose carbon emissions and our strategy to mitigate the business risks of climate change.

To read more about environmental stewardship, protection and performance at TransCanada, please see **TransCanada's 2015 CSR Report** available at [www.transcanada.com](http://www.transcanada.com).

### **Contact us at:**

TransCanada 1.800.661.3805

[www.transcanada.com](http://www.transcanada.com)