ONTARIO POWER GENERATION | SUSTAINABLE DEVELOPMENT GOALS

We support the Sustainable Development Goals

OPG supports the achievement of the United Nations Sustainable Development Goals (SDGs). The SDGs are a collection of 17 interdependent global goals designed to be a blueprint to achieve a better and more sustainable future for all by addressing the world's most pressing economic, social, and environmental issues. The SDGs were adopted in 2015 by the United Nations General Assembly and are intended to be achieved by 2030.

All of the goals contain important challenges for developing and developed countries alike. While much of the discussion in the formation of the SDGs was justifiably concentrated on the needs of developing countries, developed countries like Canada also face social problems related to poverty, health, education and gender issues, though to differing degrees. And every country has a responsibility for playing a part in delivering the global vision to fight climate change, relieve anthropogenic pressures on the planet and its natural systems, and make economies and growth pathways more sustainable.

The 17 goals. To find out more about the SDGs, visit www.un.org/sustainabledevelopment/.

While many of OPG's business priorities and practices support the SDGs, we have the ability to make significant contributions to goals 7 (sustainable energy), 8 (sustainable economic growth) and 13 (combat climate change) and to specific targets under these goals. OPG's alignment with these goals are described in the following pages.

7 AFFORDABLE AND CLEAN ENERGY

ENSURE ACCESS TO AFFORDABLE, RELIABLE, SUSTAINABLE AND MODERN ENERGY FOR ALL

Target 7.1: By 2030, ensure universal access to affordable, reliable and modern energy services

Target 7.2: By 2030, increase substantially the share of renewable energy in the global energy mix

Related OPG Priority Sustainability Topics:

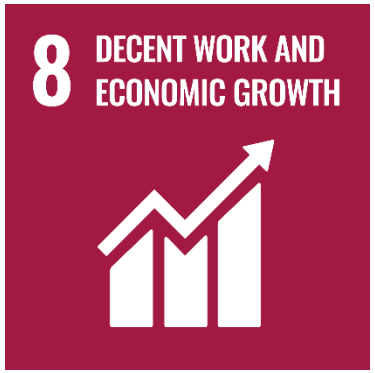
Cost of electricity, reliability of assets, renewal and development of assets, long-term energy plan

Goals and Opportunities:

- Maintain OPG's generation price advantage for the benefit of electricity customers.
- Improve operational performance and extend operating life of generating assets.
- Continue to invest in and expand OPG's renewable generation portfolio.

Recent Results:

- The electricity OPG generates costs about a third less than the average price paid to other generators in Ontario.
- OPG continues to execute the Darlington Refurbishment project. Once complete, the Darlington nuclear generating station will provide at least another 30 years of reliable, cost effective and clean energy.
- OPG continues to execute work required to optimize the end-of-operations dates for the Pickering nuclear generating station. Optimized operations will result in economic and environmental benefits.
- OPG is supporting the advancement of small modular nuclear reactors.
- OPG continues to implement plans to increase the generating capacity, maintain and improve operational performance, and extend the operating life of its hydroelectric generating assets. The new 10 megawatt generating unit at the Ranney Falls hydroelectric generating station is expected to be in service in 2022. OPG is redeveloping the Calabogie hydroelectric generating station to double the installed capacity from 5 to 10 megawatts. OPG has also initiated a project to replace two older generating units at the Sir Adam Beck I hydroelectric generating station which is expected to add approximately 125 megawatts of incremental peaking generation capacity.



PROMOTE SUSTAINED, INCLUSIVE AND SUSTAINABLE ECONOMIC GROWTH, FULL AND PRODUCTIVE EMPLOYMENT AND DECENT WORK FOR ALL

Target 8.2: Achieve higher levels of economic productivity through diversification, technological upgrading and innovation, including through a focus on high-value added and labour-intensive sectors

Target 8.5: By 2030, achieve full and productive employment and decent work for all women and men, including for young people and persons with disabilities, and equal pay for work of equal value

Target 8.8: Protect labour rights and promote safe and secure working environments for all workers, including migrant workers, in particular women migrants, and those in precarious employment

Related OPG Priority Sustainability Topics:

Financial strength, renewal and development of assets, local economic impact, people and culture, Indigenous relations, health and safety

Goals and Opportunities:

- Drive economic growth and prosperity for Ontario.
- Build a diverse, committed, healthy and agile workforce. OPG is committed to being and a global leader in equity, diversity and inclusion best practices by 2030. OPG is committed to achieving its goal of zero workplace injuries.

Recent Results:

- OPG's business strategy includes the renewal and expansion of its generating assets. OPG is also expanding beyond its generation business through investments in innovative technologies and new lines of business in the electricity sector such as small modular nuclear reactors, energy storage, distributed energy resources, and transport electrification.
- OPG directly employs more than 9,000 people and supports thousands of jobs through the purchase of goods and services. In addition, OPG provides benefits to the economy through payments to its Shareholder, the Province of Ontario.
- OPG has a diverse workforce comprised of highly skilled and trained workers. OPG is proud to be an equal opportunity workplace that actively seeks applicants from a variety of diverse backgrounds. OPG's Code of Business Conduct establishes the standards, expectations and accountabilities for a safe, ethical, professional and respectful workplace.
- OPG supports employment opportunities with Indigenous community partners. In 2021, OPG was awarded Gold designation under the Canadian Council for Aboriginal Business' Progressive Aboriginal Relations program. Also in 2021, OPG issued an Indigenous relations Reconciliation Action Plan that includes goals and actions related to employment.
- OPG continues to offer a Student Program that gives students from universities and colleges an opportunity for paid work terms related to their field of study.

TAKE URGENT ACTION TO COMBAT CLIMATE CHANGE AND ITS IMPACTS

Target 13.1: Strengthen resilience and adaptive capacity to climate-related hazards and natural disasters in all countries

Target 13.3: Improve education, awareness-raising and human and institutional capacity on climate change mitigation, adaptation, impact reduction and early warning

Related OPG Priority Sustainability Topics:

Climate change, water management, reliability of assets

Goals and Opportunities:

- OPG will achieve net-zero carbon emissions by 2040.
- OPG will help the markets where it operates achieve net-zero carbon economies by 2050.

Recent Results:

- In 2020, OPG released its Climate Change Plan as part of the company's commitment to being a North American clean energy leader. To help achieve its climate goals, OPG has developed action plans in the areas of carbon emissions reductions, climate change adaptation, energy sector innovation, and climate change leadership.
- To support reductions in emissions, OPG continues to execute the Darlington Refurbishment project and increase the capacity of its hydroelectric fleet. OPG is also supporting the advancement of small modular nuclear reactors.
- OPG is continuing to evaluate and prioritize potential physical and transition climate-related risks over the near, medium and long-term timeframes. As part of this process, OPG is increasing data collection and developing modelling to better understand the range of potential climate impacts on the business and to identify opportunities for increasing resilience.
- OPG has developed a roadmap for integrating consideration of climate-related risks and opportunities into applicable business processes, such as investment decisions and engineering processes.
- OPG is advancing electrification through the Ivy Charging Network of electrical vehicle chargers in Ontario. OPG's new PowerON Energy Solutions subsidiary will provide electrification and charging infrastructure to municipal transit agencies and other corporate fleets.
- OPG continues to work with stakeholders to safely manage water level and flow conditions within its control.