

Darlington Refurbishment Project

ONTARIO **POWER**
GENERATION

DELIVERING VALUE THROUGH EXCELLENCE IN PROJECT MANAGEMENT

Ontario Power Generation (OPG) is moving forward with plans for the mid-life refurbishment of the Darlington Nuclear station. The project will create thousands of jobs and result in positive economic impact across Ontario. OPG has been building strong project management expertise and has the right people with the right skills to ensure success. We are accountable for delivering this project safely, on time and on budget.



Definition

Preliminary & Detailed Planning

PHASE

1

SCOPE OF WORK

- Regulatory Components
 - Environmental Assessment
 - Integrated Safety Review
 - Integrated Improvement Plan
- Finalize project scope; implement major component contracts
- Develop full project cost and schedule, business case and financing
- Initiate infrastructure development

Outage Preparation

PHASE

2

SCOPE OF WORK

- Obtain all licences; finalize execution scope, cost, schedule, and engineering
- Complete infrastructure to support refurbishment needs
- Mobilize and train tradespeople
- Material procurement

Outage Execution

PHASE

3

SCOPE OF WORK

- Execute all refurbishment scope:
 - Reactor components
 - Fuel handling systems
 - Turbine/generator
 - Balance of plant systems
- Meet all regulatory commitments
- Complete maintenance and inspection activities
- Commission and return to operations
- Project close-out

