



Supplementary Information

Renseignements supplémentaires

Oral Presentation

Exposé oral

Presentation from the Pickering Nuclear Generating Station Community Advisory Council

Présentation du Pickering Nuclear Generating Station Community Advisory Council

In the Matter of

À l'égard de

**Ontario Power Generation Inc.,
Pickering Nuclear Generating Station**

**Ontario Power Generation Inc.,
centrale nucléaire de Pickering**

Request for a ten-year renewal of its Nuclear Power Reactor Operating Licence for the Pickering Nuclear Generating Station

Demande de renouvellement, pour une période de dix ans, de son permis d'exploitation d'un réacteur nucléaire de puissance à la centrale nucléaire de Pickering

Commission Public Hearing – Part 2

**Audience publique de la Commission –
Partie 2**

June 2018

Juin 2018

CANADIAN NUCLEAR SAFETY COMMISSION

Renewal of Pickering Nuclear Generating Station operating licence – Ontario Power Generation

(Part 2) Hearing | Pickering, Ontario | June 25–29, 2018



**PICKERING NUCLEAR GENERATING STATION
Community Advisory Council**

WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?



PICKERING NUCLEAR GENERATING STATION
Community Advisory Council

WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?

RESEARCH

IMPROVED PERFORMANCE



WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?

RESEARCH

INNOVATION

IMPROVED PERFORMANCE



WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?

RESEARCH

INNOVATION

APPLIED
LEARNING

IMPROVED PERFORMANCE



WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?

RESEARCH

INNOVATION

APPLIED
LEARNING

OPERATING
EXPERIENCE

IMPROVED PERFORMANCE



WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?

RESEARCH

INNOVATION

APPLIED
LEARNING

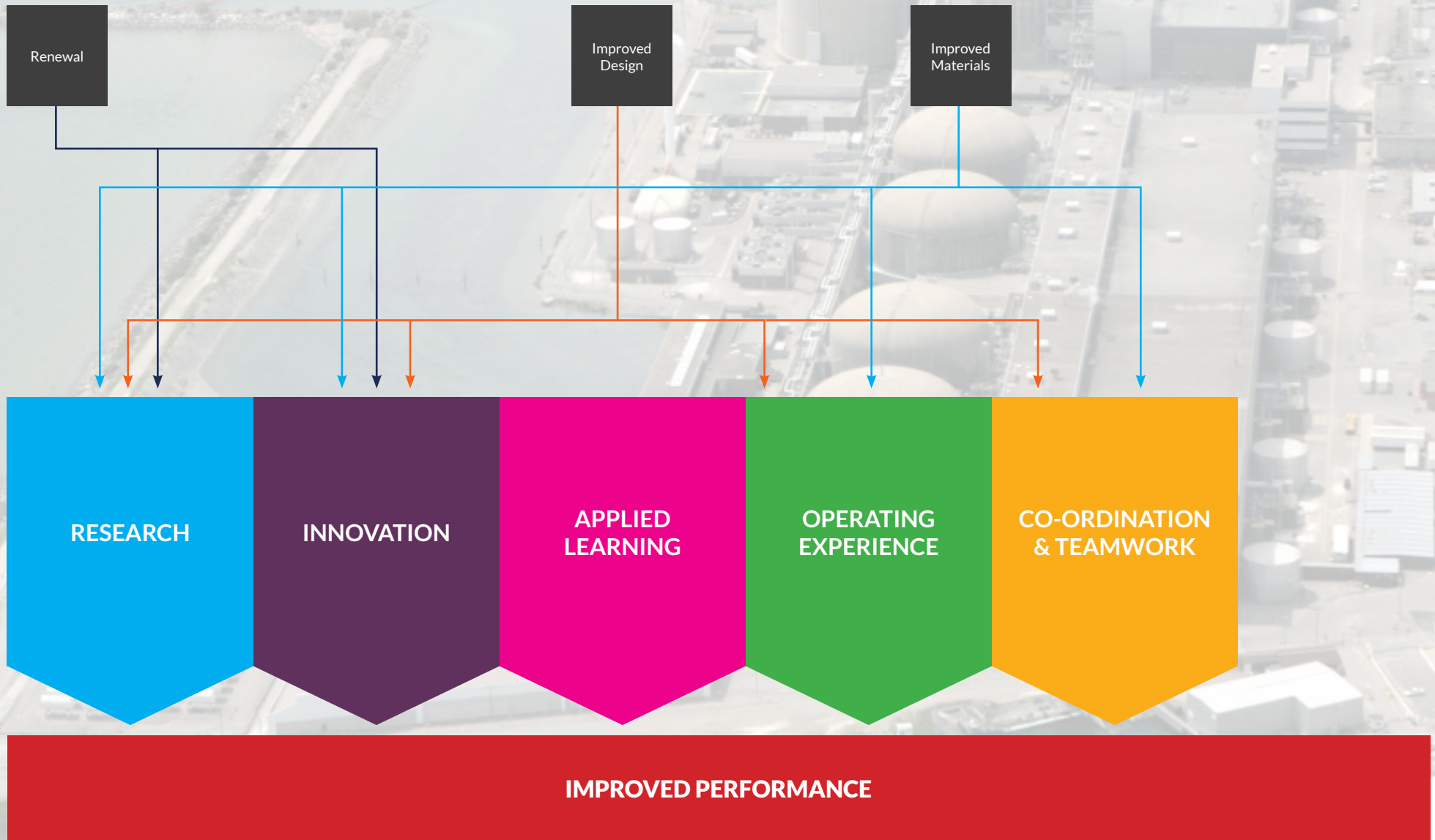
OPERATING
EXPERIENCE

CO-ORDINATION
& TEAMWORK

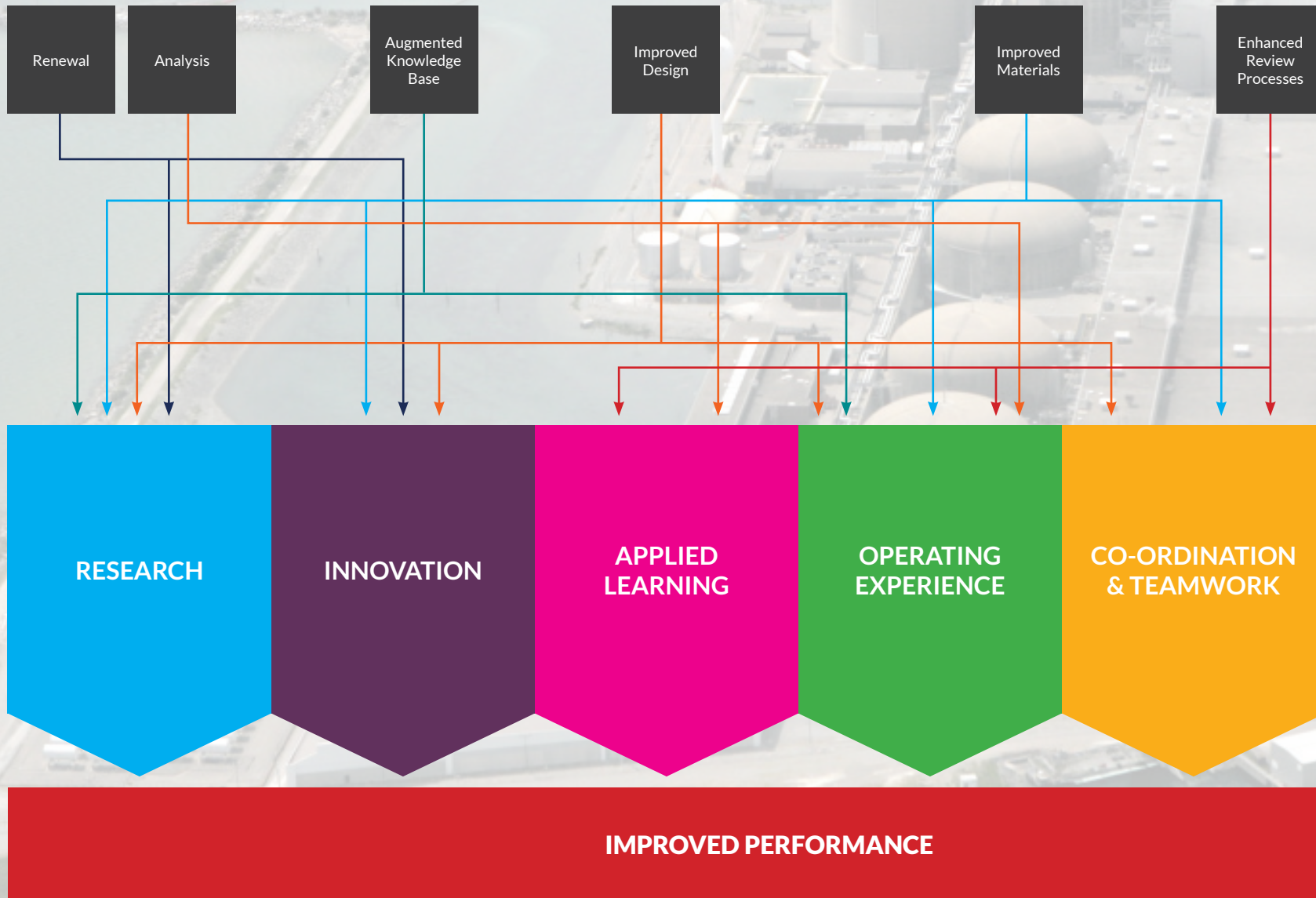
IMPROVED PERFORMANCE



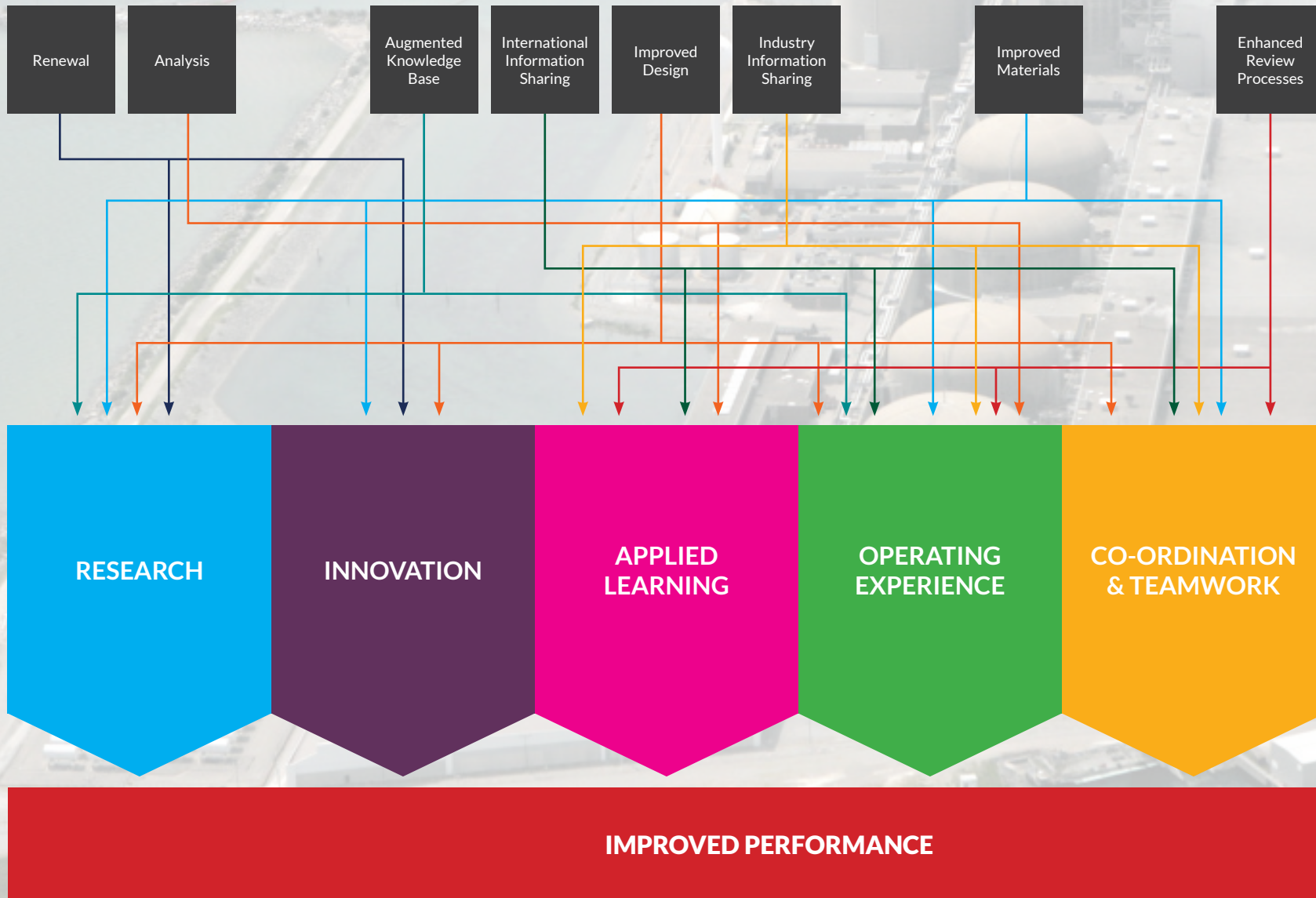
WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?



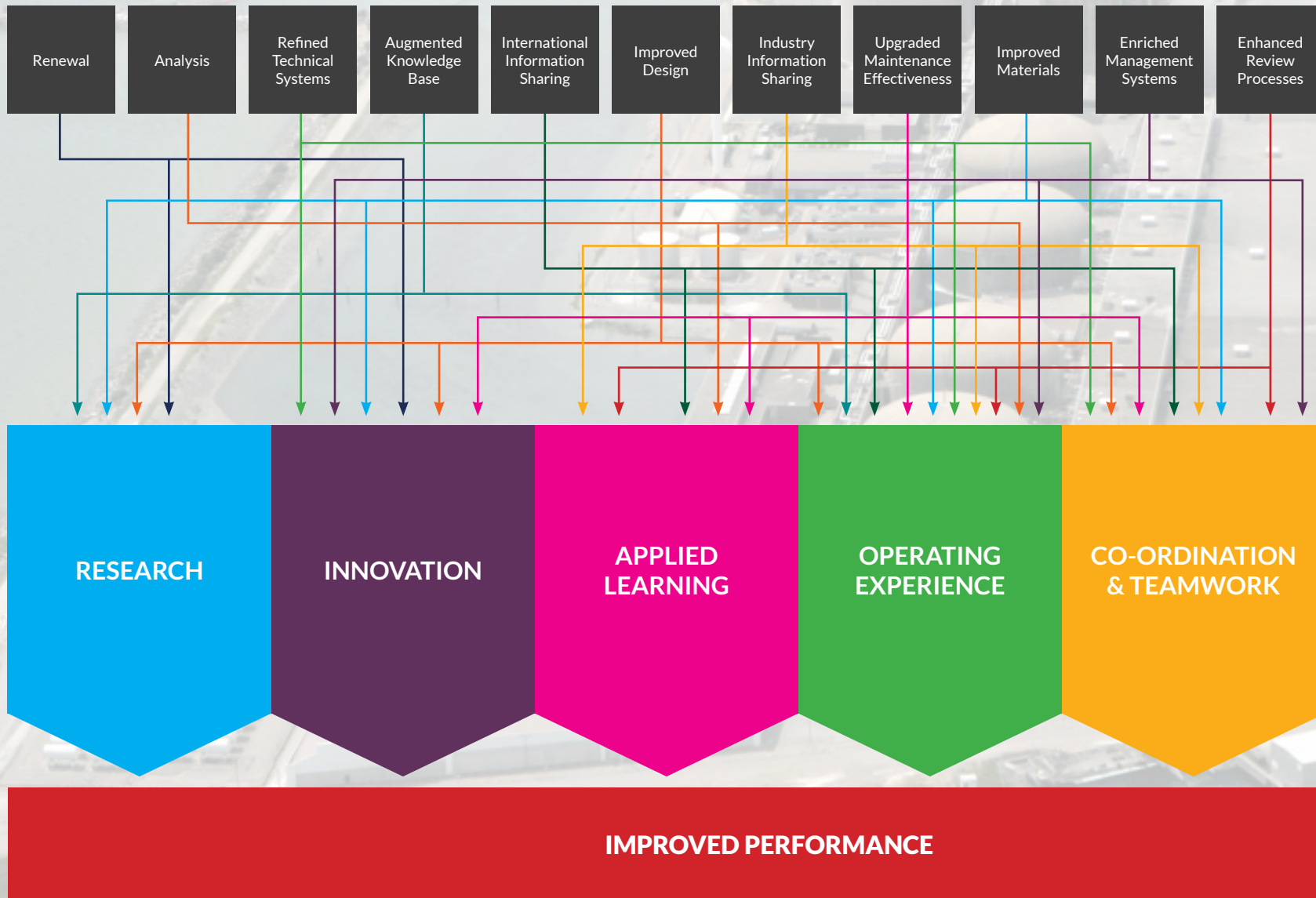
WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?



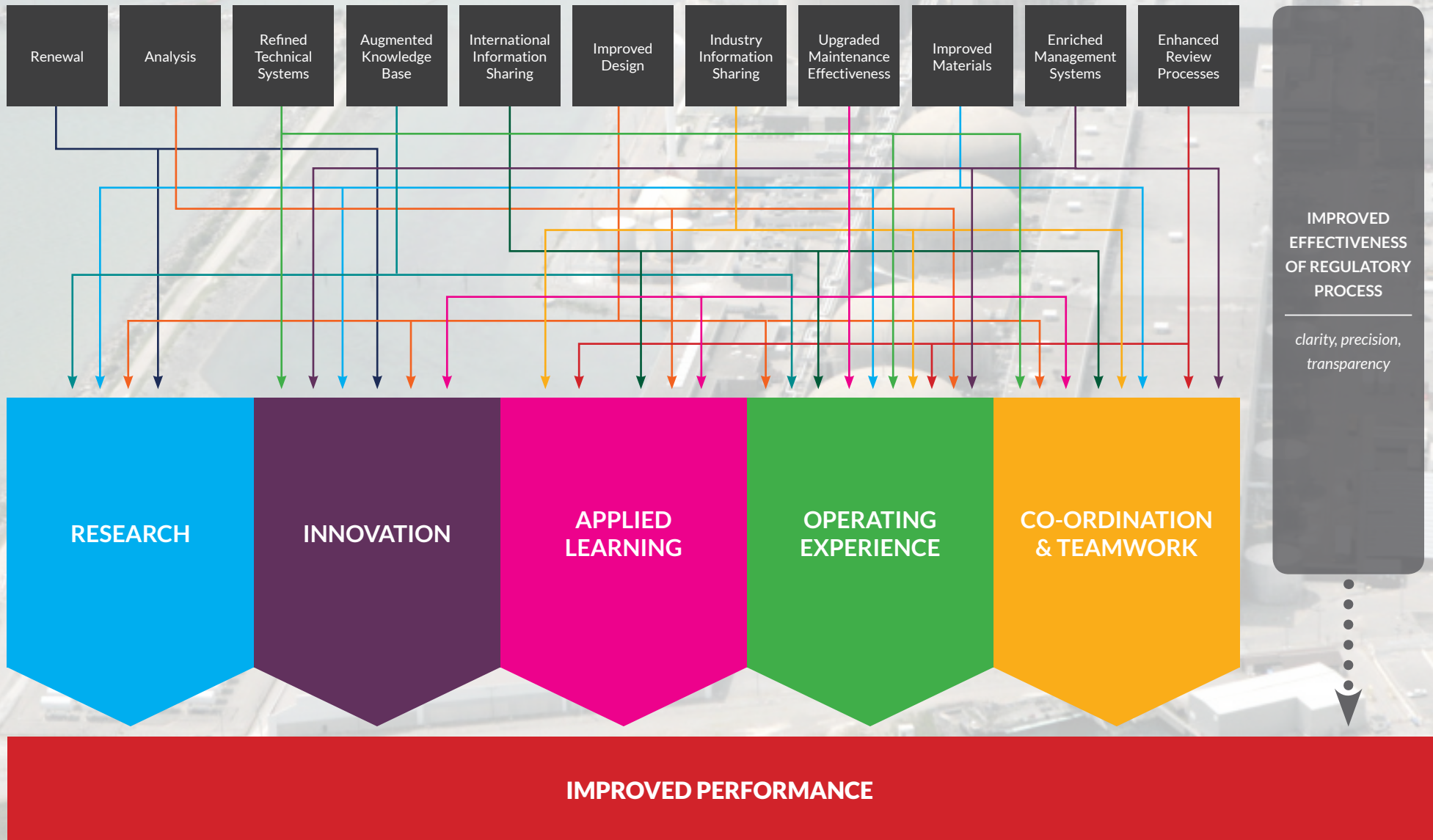
WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?



WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?



WHY ARE WE CONFIDENT THAT PICKERING NUCLEAR WILL MAINTAIN BEST PERFORMANCE TO 2024?



- and contaminated material from reactor decommissioning)
- High Level (used nuclear fuel)

Low and intermediate level wastes are shipped to OPG's Western Waste Management Facility (WWMF) near the Bruce Power site, where they are carefully handled by qualified staff. Low level wastes are processed for volume reduction (through incineration and other measures) and stored in above ground concrete warehouse-like structures. Intermediate level wastes are stored in steel-lined concrete containers set into the ground. This is safe, temporary storage for low and intermediate level waste.

In 2013, a number of CAC members visited the site in Kincardine for OPG's proposed Deep Geologic Repository (DGR) for the long-term storage of low and intermediate level nuclear waste. They talked to OPG scientists about the type of rock layers deep underground in which the waste will be stored. Because low and intermediate level waste from the Pickering site



Dry Storage Containers

will continue to facility in Kincardine to intervene in a public hearing. They wrote a letter project, citing the working with C public input; an materials in que on the site at Kincardine proposed project

The federal revised DGR proposal

Meetings are open to the public on local media, and on the OPG website at www.opg.com/communities/Pickering/Pages/Pickering-Council.aspx.

COUNCIL Q&A

WHAT IS THE CAC?

A core vehicle for OPG dialogue with the community, the Community Advisory Council assists Pickering Nuclear Generating Station in identifying and responding effectively to the concerns of the community. The group is made up of citizens, representatives of community organizations and members of local government staff and agencies, all of whom examine a wide range of issues associated with the station.

HOW ARE CAC MEETINGS HELD?

The process of a public hearing is complex, as is any large industrial project. The approach is to engage the community in a non-technical way. A Community Advisory Council member from an informed perspective is a two-way flow of information.



REPORT TO THE COMMUNITY

Pickering Nuclear Community Advisory Council 2018

PICKERING PLANT AIMS FOR NEW LEASE ON LIFE

During 2015, the Community Advisory Council (CAC) had frequently discussed the repurposing of the Pickering site, where nuclear commercial operations were scheduled to close within three years. In January 2016, the picture changed completely with the Government of Ontario's announcement of plans to extend the operating life of Pickering Nuclear to 2024. Like most people who live and work in the Pickering area and surrounding region, Council members saw this turn of events as good news. But they had to ask OPG: What has changed to lead you to, seemingly all of a sudden, conclude that continued operations to 2024 is feasible? And how are you going to ensure that this can be done safely?

OPG took these questions seriously and organized a series of presentations to demonstrate the safety of the proposed plant life extension activities.

OPG spokesperson Josie Barbato indicated that OPG's ability to gauge the future capacity of the plant has

been constantly improving. These tools and methodologies for assessing the equipment "have been able to reassure us that the plant is sufficiently robust to continue operations to 2024," she said.

Plant manager Ken Gilbert put the life extension project in a larger context: operating the Pickering plant to 2024 will fill the gap in the province's electricity supply while parts of the Darlington and Bruce Power nuclear power stations are shut down during their refurbishment over the next few years. It was noted that the province had concluded that this approach to ensuring an emission-free baseload capacity to 2024 was the best one for Ontario.

The CAC was reassured to hear that Pickering Nuclear continued operations from 2018 to 2024 will avoid the need to call upon natural gas plant-generated power during that timeframe, which will:

- Reduce greenhouse gas emissions by an estimated 17 million tonnes
- Save Ontario electricity consumers up to \$600 million
- Maintain 4,500 jobs across Durham Region

CAC members emphasized the importance of OPG keeping the community informed about the extended operation plans for the Pickering site and the continued commitment to safety. ■



Pickering Nuclear Control Room

