



**Written submission from  
Celeros Flow Technology**

**Mémoire de  
Celeros Flow Technology**

In the Matter of the

À l'égard d'

**Ontario Power Generation Inc.**

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Application for a licence to construct one BWRX-300 reactor at the Darlington New Nuclear Project Site (DNNP)

Demande visant à construire 1 réacteur BWRX-300 sur le site du projet de nouvelle centrale nucléaire de Darlington (PNCND)

**Commission Public Hearing  
Part-2**

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

**January 8, 2024**

**8 janvier 2024**



Celeros Flow Technology

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To the Canadian Nuclear Safety Commission,

On behalf of Celeros Flow Technology, we respectfully submit this request to intervene regarding Ontario Power Generation's (OPG) application for a construction license for the Darlington New Nuclear Project (DNNP). As a longstanding partner within the Canadian nuclear sector, Celeros Flow Technology brings extensive expertise in flow solutions essential to the safety, reliability, and performance of nuclear power systems.

### **Celeros Flow Technology's Involvement and Investment in Ontario's Nuclear Future**

Our Burlington, Ontario, facility has been an essential contributor to DNNP, with substantial investments in both headcount and infrastructure to directly support the project's success. Through capital investments and dedicated engineering resources, Celeros has bolstered its local operations to meet the unique needs of the DNNP, demonstrating our commitment to Ontario's nuclear energy future. This expanded capability reflects both a commitment to Ontario's clean energy transition and a readiness to meet the technical and regulatory standards essential to Canada's nuclear industry.

### **Our Expertise and Value in Project Collaboration**

With decades of experience in pump and flow technology for the nuclear sector, Celeros Flow Technology is deeply familiar with the high standards of safety and efficiency required in nuclear operations. Our team has collaborated extensively with OPG and the nuclear community at large, providing insights that ensure optimized design, safety, and operational reliability of equipment essential to SMR projects like the DNNP. Our proactive contributions to technical discussions underscore our role as a vital partner in the Canadian nuclear landscape.

### **Recommendations for Consideration in the Licensing Process**

Celeros Flow Technology believes that our insights could provide value in the Commission's deliberations, particularly in areas relating to fluid control, hydraulic design, and system optimization for SMRs. We advocate for an evaluation that underscores the role of Canadian

| SPEED  
| EXCELLENCE  
| PARTNERSHIP



companies, particularly those like Celeros that have already made significant investments in local resources and capabilities in support of nuclear innovation.

### **Conclusion**

As the Commission considers OPG's application, we respectfully request the opportunity to provide our perspective on key technical and operational issues critical to the safety and success of the DNNP. Celeros Flow Technology remains committed to advancing the standards of excellence in Canada's nuclear industry, and we are confident that our involvement will contribute positively to the project's long-term success.

Thank you for your consideration of our intervention request.

Yours faithfully,

Ash Moham

A handwritten signature in black ink, appearing to read "Ash Moham".

**Regional Sales Manager, Nuclear Americas**  
**Celeros Flow Technology**