



Supplementary Information

Presentation from NA Engineering Associates

In the Matter of

Bruce Power Inc. – Bruce A and B Nuclear Generating Station

Request for a ten-year renewal of its Nuclear Power Reactor Operating Licence for the Bruce A and B Nuclear Generating Station

Commission Public Hearing – Part 2

May 28-31, 2018

Renseignements supplémentaires

Présentation de NA Engineering Associates

À l'égard de

Bruce Power Inc. - Centrale nucléaire de Bruce A et Bruce B

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 Bruce A et Bruce B

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

28-31 mai 2018



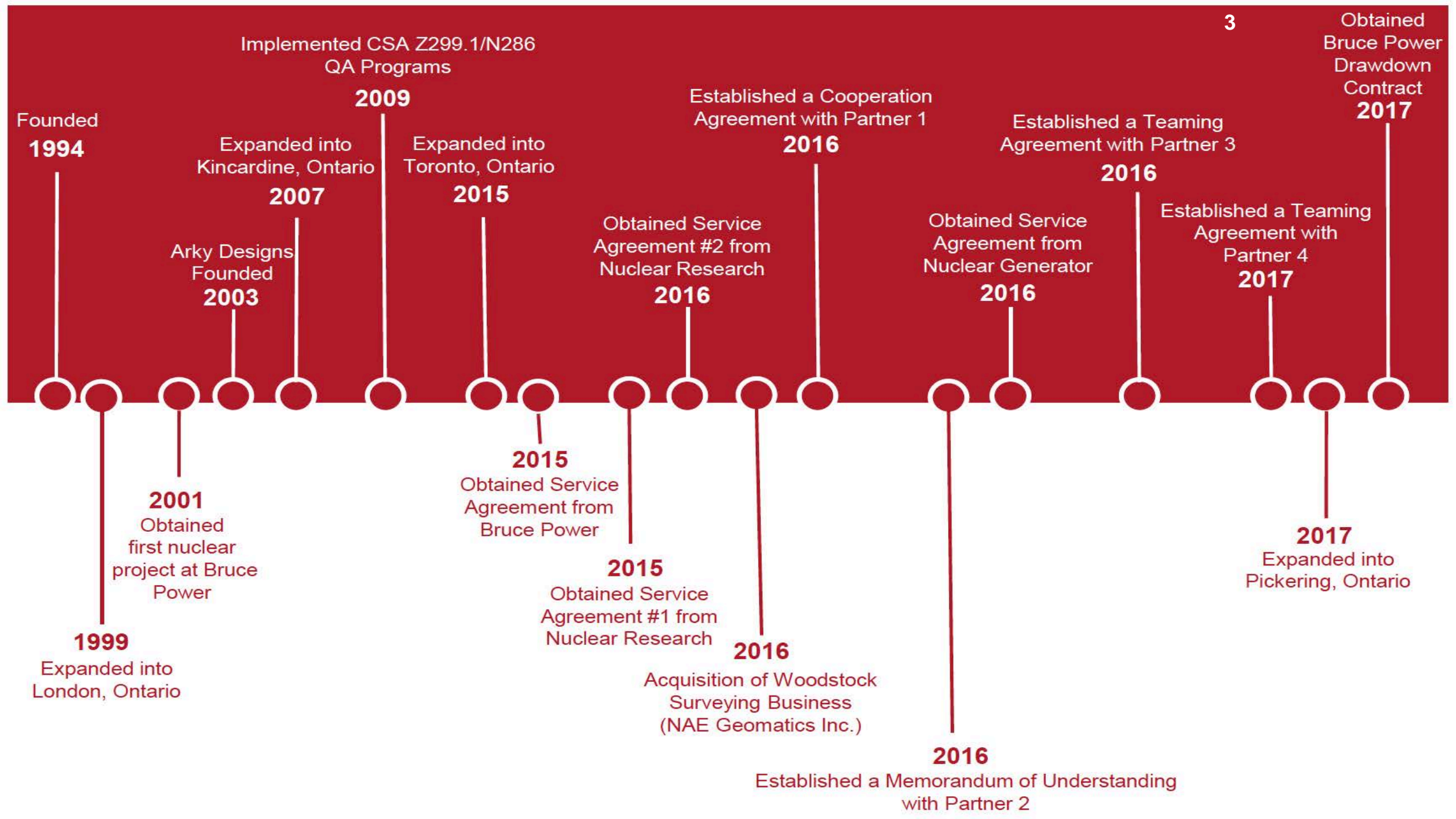
NA ENGINEERING ASSOCIATES INC.

CNSC Public Hearing Participation -
Bruce Power Inc., Part 2

Eddie Saab
VP, Business Development
May 29, 2018



“With engineering presence in Stratford, London, Kincardine, Pickering and Woodstock, not only is it important to our firm to provide local technical expertise to our clients, we must also give back to the communities that we are a part of.”



Hospitals, Schools & Churches

Stratford General Hospital | Stratford, ON
New construction | Renovation, structural, site services and stormwater services provided

Strathroy Hospital | Strathroy, ON
Addition of single-storey concrete structure
Structural consulting services provided

Port Colbourne Hospital | Port Colbourne, ON
Mechanical and electrical design engineering services for renovation of existing hospital

St. Joseph's Health Care | London, ON
Mechanical system / humidification investigation, existing system. Building science consulting services

Regional Mental Health Care | St. Thomas, ON
Parking lot / access road rehabilitation, roof consulting services and building envelope upgrades

St. Anne Catholic School | Listowel, ON
New construction | Structural, site services and stormwater management services provided

St. Joseph's Catholic School | Clinton, ON
New construction | Structural engineering services provided

St. Michael Catholic Secondary School | Stratford, ON
Construction for additional classrooms and two technical shops | Structural design and preparation of working drawings provided

Hotels, Theatres & Restaurants

Arden Park | Stratford, ON
Five-story, luxury hotel featuring 200 rooms. Structural and civil engineering services provided. Project management

Avon Theatre | Stratford, ON
Renovation | Two-phased project with top to bottom structural changes

Studio Theatre | Stratford, ON
Renovation | Creation of new theatre space from former prop shop

Moxie's Classic Grill | London, ON
Renovation and expansions | Reviewed structural drawings | Site reviews | Structural consulting during construction provided

Bruce Inn | Stratford, ON
Two story, luxury hotel.
Structural and civil engineering provided

Western University | London, ON
Condition assessments, building science consulting services, specifications for numerous roof replacements

Fanshawe College | London, ON
Roof consulting services; assessment of existing roofs, field review during new construction

St. Joseph's Health Care | London & St. Thomas, ON
Compliance consultants, structural components and systems

Regional Mental Health Care | London, ON
Building science, roof consulting services; investigations, specifications & tender documents, field review

Huron-Perth Children's Aid Society | Stratford, ON
Ground-up renovation and conversion from industrial space to office facility | Structural design and consulting services provided

North Campus Building | London, ON
New construction. Complete structural, site services and site grading designs provided

Holy Trinity Greek Orthodox Church | London, ON
New construction of a Byzantine-style church
Structural design, site services, and consulting services provided

Residential & Offices

Stratford Place | Stratford, ON
Five-story, concrete framed building | Structural and environmental, civil engineering services provided | Project management provided

Bank of Montreal | London & St. Thomas, ON
Renovation | Mechanical and electrical design services provided

790 Wonderland Rd., 550 & 555 Berkshire Drive | London, ON
High rise, residential apartment buildings. Building science, structural, mechanical & electrical

700 University Avenue | Toronto, ON
Building condition assessment, structural, building science/roof consulting, mechanical & electrical

Municipal

London Airport | London, ON
Renovation and expansions of parking, walkway and roadway systems

Kincardine Annex Building | Kincardine, ON
Building science condition assessment | Review of the overall exterior features

Stratford Honda | Stratford, ON
Structural | New construction two separate construction methods: a pre-engineered structure and conventional structural steel block

Expressway Ford | Stratford, ON
New Construction | Structural design of the building foundation and interior components

Via Rail Station | London, ON
Structural engineering for the renovation and expansion

No. 2 Fire Station | St. Thomas, ON
New state of the art construction | Mechanical and electrical design consulting and engineering

No's. 3, 6 & 8 Fire Stations | London, ON
Structural, mechanical and electrical system upgrades to existing fire stations

OPP Detachments, London | Tillsonburg, ON
Civil Engineering parking area | access road assessments, preparation of specifications and tender documents for rehabilitation

Perth County Courthouse | Stratford, ON
Condition assessment & report - 115 yr old slate roofing system

Provincial Courthouse | London, ON
Structural, mechanical & electrical, building science. Detailed condition assessment, rehabilitation of waterproofing, caulking, and building envelope

Industrial

Bruce Power | Tiverton, ON
Structural, civil, mechanical, electrical, building science, roof consulting. Investigations, specifications, drawings, tender documents, and field reviews

FAG Aerospace | Stratford, ON
Engineering services were provided for design of the concrete slab, structural building framing

Solis Mexican Foods | St. Marys, ON
Construction of original building and multiple additions | Economical construction | Structural design, code compliance, electrical and mechanical

Waycon International Truck Dealership | Goderich, ON
New construction | Architectural, structural, mechanical, electrical and site service designs provided

Ontario Power Generation | Pickering, ON
Roof investigation and report | Contamination waste storage area assessment

Bell Building | Guelph, ON
Electrical, mechanical, and structural- design and supervision installation of new emergency generator

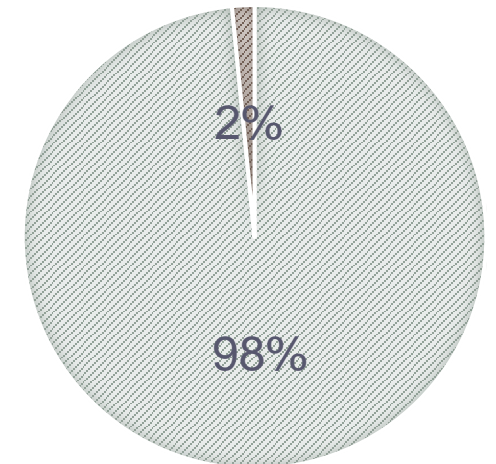
Sifton Salt | Goderich, ON
Structural - scaffold design for structural rehabilitation

OPG Parking Garage, 40 Murray St. | Toronto, ON
Structural evaluation of existing, concrete parking garage

Bell Buildings | various locations
Electrical consulting - evaluation of existing electrical equipment/components

NA ENGINEERING PROJECTS

■ Other Clients ■ Bruce Power





Bruce Power Fire Training Facility

- World-class 23,000 sq. ft. facility
- \$25M investment includes:
 - Turbine Generator Mock-up
 - Propane Fueled Props
 - Thermal Cameras
 - Central Control Room
 - 50-ft Tower
 - Outdoor Fire Simulators
- Used by local fire departments





BRUCE POWER
INDIGENOUS RELATIONS
SUPPLIER NETWORK



Be an explorer.



Bruce Power launched a \$1.2 million Indigenous Community Investment Fund in 2016

Everyone is entitled to his own opinion, but not to his own facts.

— Daniel Patrick Moynihan

- Bruce Power's Conventional Health and Safety Programs have consistently been considered a strength by the CNSC in its annual report card on operations, achieving a rating of Fully Satisfactory (or A+) since 2012.
 - Source: *Canadian Nuclear Safety Commission*
- Bruce Power generate 30 per cent of Ontario's electricity at 30 per cent below the average residential price of electricity.
 - Source: *Independent Electricity System Operator*
- Bruce Power supports economic growth and jobs. In fact, up to 22,000 jobs across the province are directly and indirectly supported from the Bruce Power site annually.
 - Source: [Report from the Canadian Manufacturers and Exporters and Provincial Building & Construction Trades Council of Ontario](#)
- Bruce Power keeps hospitals clean and safe throughout Ontario as the world's largest supplier of Cobalt-60 and are now starting to produce medical Cobalt to treat Brain tumors.
 - Source: www.cleannuclearpowersafehospitals.com
- Bruce Power generates clean electricity every day, providing 70 per cent of the additional energy needed since 2003 to phase out the use of coal while cleaning the air and reducing smog days in the Greater Toronto Area from 45 in 2005 to zero in 2015.
 - Source: *Asthma Society of Canada*



Safety is clearly communicated at Bruce Power and the promotion of a healthy safety culture is evident throughout all aspects of the company. It is this fact that enables NA Engineering Associates to confidently support Bruce Power's 10-year Licence Application.

