

1 **CONSTRUCTION AND PROJECT ADMINISTRATION**

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3 Hydro One is making this Application under Section 92 of the *Ontario Energy Board*
4 *Act, 1998*. If the Board were to grant approval under Section 92 by end of October 2007,
5 Hydro One could achieve a December 2011 in-service date for the proposed facilities,
6 subject to timely receipt of other approvals.

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8 To complete the proposed project, Hydro One will install about 180 km of 500 kV
9 transmission line from the Bruce Power Complex and Milton SS as well as additional
10 station equipment:

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- 12 • A 3 km 500 kV single circuit transmission line from each of Bruce “A” and Bruce
13 “B”, to Bruce Jct. using mostly lattice steel structures, with some aluminum bus
14 structures at Bruce Jct.

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16 • A 173 km 500 kV double circuit transmission line from Bruce Jct. to Milton SS
17 using lattice steel structures. Additional land rights of approximately 53 m to 61 m
18 (175 ft to 200 ft) will be required for almost the entire length of the line as the
19 existing corridor is not wide enough to accommodate the proposed facilities.
20 Between Bruce Jct. and Colbeck Jct. (in East Luther Grand Valley) the new line will
21 be located on the north side of the existing transmission corridor. Between Colbeck
22 Jct. and Milton SS the new line will be located on the east side of the existing
23 transmission corridor. Line construction activities will include setting up
24 construction yards, building access roads on the corridor and off-corridor, clearing
25 trees and brush from the corridor, installing foundations, erecting new structures, and
26 stringing new conductor.
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- 1 • New station facilities at the existing Bruce Power Complex (Bruce “A” and Bruce
2 “B”) including 500 kV line terminations, three 500 kV breakers, two 500 kV 3-phase
3 line disconnect switches, six 500 kV 3-phase breaker disconnect switches, and
4 associated facilities such as drainage, metering, ground switches, rigid and strain bus,
5 steel structures, foundations and various protection and control equipment, and
6 telecom racks/cabinets. Cabling from the new equipment to the relay building will
7 be installed.
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- 9 • New station facilities at the existing Milton SS include 500 kV line terminations, two
10 500 kV GIS 3-phase line disconnect switches, four 500 kV 3-phase breaker
11 disconnect switches, metering, various protection and control equipment, telecom
12 racks/cabinets, and cabling from the new equipment to the existing relay building.
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- 14 • New access roads, grading, drainage, spill containment (where necessary), fencing,
15 and site restoration at the station sites.
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17 A project schedule is provided as Exhibit B, Tab 5, Schedule 2. The Schedule shows the
18 tasks leading up to the in-service date. To achieve an in-service date of December 2011,
19 construction mobilization is anticipated to begin in the fall of 2008.
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21 Some aspects of the proposed work require some components of the power system and
22 telecommunication equipment to be placed out of service during portions of the
23 construction period. To maintain the existing supply to the area, it is necessary to plan
24 certain work at specific times when outages can be obtained. These outage constraints
25 have been considered in the schedule.
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TABLE SHOWING PROJECT SCHEDULE

TASK	START	FINISH
Submit Section 92 Leave to Construct Application to OEB		March 2007
Submit Section 98 Early Access Application to OEB		March 2007
Initiate landowner discussions		April 2007
Obtain Section 92 Approval		October 2007
Submit Section 99 Expropriation Application to OEB		December 2007
Obtain Expropriation Approval from OEB		June 2008
Obtain EA Approval		September 2008
Register Plans under Expropriation Act		September 2008
Obtain Access to Property under Expropriation Act		December 2008
STATIONS		
Detailed Engineering	November 2006	January 2011
Tender & Award Major Station Equipment	October 2008	May 2009
Receive Major Station Equipment	June 2009	January 2010
Construction (Bruce "A" and "B")	May 2009	June 2011
Construction (Milton SS)	October 2008	July 2011
Commissioning	January 2010	September 2011
LINES		
Detailed Engineering	November 2006	April 2011
Tender & Award Structural Steel	October 2007	November 2008
Receive Structural Steel	May 2009	May 2010
Construction	January 2009*	September 2011
Restoration	April 2011	May 2012
Project In-Service		December 2011

2 * Construction on publicly owned land to start in October 2008, after EA and OEB
 3 approvals are received.