**BOARD STAFF ADVANCE QUESTIONS FOR UNION GAS LIMITED**

**TECHNICAL CONFERENCE TO BE HELD OCTOBER 4, 2016**

**Union Gas Limited**

 **EB-2016-0186**

1. Responses to OEB staff Interrogatory # 3a and #3d; LPMA interrogatory #14 and Exhibit A, Tab 6 page 2 of 6, lines 21-22

Please amend the comparison matrix filed in response to OEB staff interrogatory # 3d as follows:

a) Include Stage 1 economic assessment: NPV values for terms of 20 year and 40 year horizons for year 5 and year 6 and beyond.

b) For the infrastructure expansions not subject to this application that Union identified will be needed post 2021 to address forecast demand, presented in column on “Post 2021 Facility Requirements” provide estimated Capital and O&M costs based on today’s prices and costs.

Please provide a comparison of the Project and the LNG alternative in a separate table.

2. Ref: Response to OEB staff interrogatory #7a and Exhibit A, Tab 5, pages 7 and 8, Table 5-1: Design Day (TJ/d)

In response to the OEB staff interrogatory # 7a Union provided the basis for the demand forecast for 2017-2021, including Union’s request for Expression of Interest for 2017-2021, as part of 2016 Leamington Expansion Project. As a result of the Expression of Interest Union received a request for 80 TJ/d of firm demand related to greenhouse development. This includes 32 TJ/d to be served by the Leamington Expansion Project (EB-2016-0013) and leaves 48 TJ/d of unmet demand in Leamington-Kingsville area.

a) Has Union been able to meet a portion of the 48 TJ/d of unmet demand in the Leamington-Kingsville area? Please provide details.

b) Has Union considered any short term supply options to serve the 48 TJ/d of unmet demand? Please provide details of the options considered.

c) Under what conditions can Union defer the proposed project in the short- term (1-3 years) until there is greater clarity on the Province’s proposed cap and trade program?