

without reference to the school portion of the tax rate in order to avoid paying twice for the same service. (d) At the completion. (e) (i) Developed lands are considered as being lands acquired by Parks Canada which are being used for the purposes for which they were intended to be used, i.e., public use of the land is available in a manner compatible to the development of a national park or historic site or park. (ii) Parks Canada in consultation with the Department of Finance. (iii) Decisions on the designation of developed/undeveloped category would be open to review to ensure that decisions have been made in accordance with established guidelines upon reasonable request.

2. Yes.

TAR SANDS RESERVES

Question No. 2,842—**Mr. Brisco:**

1. What are the total known tar sands reserves in Canada?
2. How long will they last at present and predicted future rates of consumption?

Hon. Alastair Gillespie (Minister of Energy, Mines and Resources): The Department of Energy, Mines and Resources reports as follows:

1. It is estimated that 26.5 billion barrels of synthetic crude may be recovered from the mineable portion of the tar sands, using existing mining, upgrading technology, and under appropriate economic conditions. The extent of additional recoveries from a total resource in place of 789 billion barrels will depend on technological progress in mining and in-situ recovery methods and the extraction costs.

2. The only volumes of reserves from the tar sands, expressed in terms of recoverable upgraded synthetic oil, are those today within economic reach and the two plants now operating or under construction. This volume is 2 billion barrels; at current and projected production rates, the reserves available to these plants would last approximately 25 years.

NATURAL GAS RESERVES

Question No. 2,843—**Mr. Brisco:**

1. What are the total known natural gas reserves in Canada exclusive of the Arctic?
2. How long will they last at present and predicted future rates of consumption?

Hon. Alastair Gillespie (Minister of Energy, Mines and Resources): The Department of Energy, Mines and Resources reports as follows: 1. Canada's proven reserves of natural gas (exclusive of Arctic) total 61.4 trillion cubic feet.

2. The reserves noted in 1 above will provide gas supplies for many years into the future. However, the limiting factor with regard to meeting all of our required needs at any point in time is the potential rate of production rather than the size of the remaining reserves. Present estimates suggest that production rates possible from presently known reserves may fall short of meeting all Canadian needs before the mid-1980's. If produc-

tion was not a limiting factor the reserves noted would meet present and projected needs for about 19 years. In making this estimate no allowance has been made for new reserves that will be found and it was assumed that: 1. There will be no change in exports, currently about 1 trillion cubic feet a year; 2. that domestic demand will increase by approximately 3 per cent a year.

OIL RESERVES

Question No. 2,844—**Mr. Brisco:**

1. What are the total known oil reserves in Canada exclusive of the Arctic?
2. How long will they last at present and predicted future rates of consumption?

Hon. Alastair Gillespie (Minister of Energy, Mines and Resources): The Department of Energy, Mines and Resources reports as follows: 1. Canadian proved oil reserves as of January 1, 1976 amounted to 6,474.3 million barrels, exclusive of the tar sands and related resources.

2. The reserves noted in 1 above will provide oil supplies for many years into the future. However, the limiting factor with regard to meeting all of our required needs at any point in time is the potential rate of production rather than the size of the remaining reserves. The production capacity currently available is already less than that required to meet total Canadian demand. Therefore, while the present reserves will be meeting a portion of our needs for many years into the future, that portion will be a smaller and smaller percentage of our requirements. If production was not a limiting factor the reserves noted would meet present and projected needs for approximately 12 years. This estimate is based on the assumption of an average annual rate of growth in domestic consumption of 2 percent compared to 5 percent over the past 15 years, and a complete phase-out of exports to the United States by 1981.

LAC ST. JEAN INTERNATIONAL CROSSING (SWIMMING) COMPETITION

Question No. 2,847—**Mr. Gauthier (Roberval):**

Did the Department of Manpower and Immigration (a) accept (b) carry-out projects in Roberval in connection with the Lac St. Jean International Crossing (Swimming) Competition and, if so, in each case (i) which projects (ii) in what amount, each year since the creation of the contest?

Hon. Bud Cullen (Minister of Manpower and Immigration): (a) Yes. (b) Yes. (i), (ii) See list below. Subject: Breakdown of the participation of the Local Initiatives Program in the Lake St. John International Crossing (Swimming) Competition since 1974. Year 1973-74, Project 3H-4863; Title: Construction of bleachers and improvements at the finishing line of the crossing. Grant: \$17,280; Year 1974-1975, Project AH-3608-9; Title: Construction of a wharf. Grant: \$17,262; Year 1975-1976, Project BH-5644; Title: Cultural and sports promotion of the 22nd Crossing; Grant: \$21,413; Year 1976-1977, Project CH-3695; Title: Development of grounds at the marina; Grant: \$48,110.