

1 Q. Further to response to Request for Information NP-NLH-128:
2 Does Hydro believe that having customers available to curtail load for system
3 support is of value to the electrical system (i) from a planning perspective or (ii)
4 from an operational perspective? Please provide reasons in the response.
5
6

7 A. Depending on the terms of the curtailable load agreement, Hydro believes that
8 having customers available to curtail load for system support may be of value to the
9 electrical system (i) from a planning perspective, and (ii) from an operational
10 perspective.
11

12 (i) Long-Term Supply Planning perspective – In order for curtailable load to have
13 value from a planning perspective, the customer must agree to curtail load
14 when requested and for the required time period. In this situation, the utility
15 can depend on the load reduction and thus can reduce the amount of capacity
16 that must be provided to reliably meet the longer-term system load
17 requirements. If the curtailment is voluntary and/or not available for the
18 required time period, it would have less value as the total curtailable load
19 reduction cannot be depended upon, and must be planned to be met by other
20 means.
21

22 (ii) Operational Daily and Seasonal perspective – Similarly, curtailable load has value
23 from an operating perspective if the customer agrees to curtail load when
24 requested and for the required time period. It also depends on the cost and
25 terms of the curtailment as it can be used to manage supply costs. In this
26 situation, the utility can depend on the load reduction and thus make firm
27 decisions on supply management to meet short-term system load requirements.

1 As a minimum these arrangements can negate the need to take action such as
2 forced interruption of customers such as through rotating outages or
3 interruption of industrial process. If the curtailment is voluntary and/or not
4 available for the required time period, it would have less value as the total
5 curtailable load reduction cannot be depended upon and other more
6 undesirable action would be required.