

1 **6.2.6 Clean Power Call**

2 **6.2.6.1 Order Sought**

3 BC Hydro is seeking a BCUC determination pursuant to subsection 44.2(3)(a) of the *UCA*
4 that expenditures of \$2.0 million in F2009 and F2010 to complete the Definition phase work
5 and to implement the Clean Power Call are in the public interest. As part of this
6 determination request, BC Hydro requests that the BCUC endorse: (i) the proposed Clean
7 Power Call target of 5,000 GWh/year of firm energy, (ii) that the energy to be purchased
8 pursuant to the Clean Power Call must qualify as “clean or renewable” in accordance with
9 the B.C. Government’s *Clean or Renewable Electricity Guidelines*, and (iii) the eligibility
10 requirements for the Clean Power Call.

11 **6.2.6.2 Justification**

12 Volume

13 The Clean Power Call is intended to meet BC Hydro’s load/resource balance requirements.

14 The updated load resource analysis in sections 2.4 and 5.6.2 show an energy shortfall of
15 approximately 3,200 GWh in 2016 based on the Mid Load Forecast and after
16 implementation of the proposed DSM Plan. The analysis in Chapter 3 has confirmed that
17 there are no material self-build options which can meet the energy shortfall by 2016. Site C’s
18 earliest ISD is 2019, and the large hydro analysis in section 3.3.11 confirms that no other
19 large hydro option can be in-service before 2019. Further, Resource Smart options are
20 primarily capacity projects; the six additional Resource Smart options that are energy
21 projects together can only provide potentially 259 GWh/year. Therefore, the projected
22 energy shortfall will be sourced from IPP purchases from BC Hydro’s acquisition processes,
23 specifically the Clean Power Call and the two phases of the Bioenergy Call (described in
24 section 6.2.7).

25 BC Hydro issued a structured RFP on June 11, 2008 targeting to acquire 5,000 GWh/year of
26 firm energy. The targeted acquisition amount would include any EPA which may be awarded
27 to CPC or its subsidiaries for WAX and will be pre-attrition. BC Hydro is using a 30 per cent
28 attrition factor for the Clean Power Call and the two Bioenergy Calls, and therefore the post-