

New Zealand Aluminium Smelters

Lower South Island Grid Development Stakeholder Group Workshop

10 October 2008



[PURE KIWI METTLE]

Present Demand

- Under 'normal' circumstances NZAS operates at **610 MW** (TPCC limit)
- This operating point requires idle capacity
- At full capacity, NZAS can utilise **620 MW**

→ NZAS is a 620 MW smelter constrained to 610 MW

NZAS Demand Growth

Short Term (now)

Pathway in place to utilise **620 MW** (full cell capacity)

Medium Term (2-5 years)

Pathway in place to utilise **640 MW** (moderate capital - transformer replacement)





Issues / Concerns

- Work currently underway with TPNZ to gain access to 620 MW in the short term (late 2008)
- NZAS can assist with grid support/security by offering potline Intertrips (SPS) up until end of 2012 (expiry of TPCC)
- However, NZAS does not want to become the alternative to any transmission upgrade post to 2012 (expiry of TPCC)