COMMERCIAL ENERGY CONSUMERS
PRESENTATION TO
BRITISH COLUMBIA UTILITIES COMMISSION
ON SITE C INQUIRY
SURPLUS SHAPING DECISIONS – SETTING THE CONTEXT

Existing Surplus 5000 GWh/year

- REDUCE ACQUISITIONS
  - SOP 800 GWh/year to 1500 GWh/year before and after Site C
  - IPP Renewal 1100 GWh/year to 2200 GWh/year

- LEAVE ACQUISITIONS
  - 7500 GWh/year of Supply adding to surplus risk
  - Cost to rate payers $2.5 billion

Cost to Ratepayers $2.5 billion

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LOAD MANAGEMENT DECISIONS – SETTING THE CONTEXT

LOAD FORECAST & ACTIVE MANAGEMENT

GROWTH

BCH Forecast
500 - 1500 GWh/year +
Electrification
Transport, Heat, Industry
Non-Firm
Establish new uses

Ratepayer Impact likely ongoing rate impact

FLAT - SUSTAINABLE

BCH Forecast Bias Adj
0 -200 GWh/year
Demand Response
Solar Displace
Efficiency in Economy
DSM Energy & Capacity
Codes & Standard
Market Transformation

Ratepayer Impact Low to No rate increases
SITE C DECISION – RATEPAYER IMPACTS

Cost to Complete $10 to $12 Billion

COMPLETE

$5 billion to $7 billion
$20/MWh to $30/MWh
Exportable for Revenue

Ratepayer Impact Low to No rate increases

RATEPAYER IMPACT
$2 - $2.5 B - SUNK
$1 - $1.5 B - TERM & RE
$2 - $2.5 B - RATEPAYER
COST OF RECOVERY

TERMINATION

Ratepayer Impact 17% rate impact

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COST OF RECOVERY
NEXT ENERGY & CAPACITY PORTFOLIO – RATEPAYER IMPACTS

WIND PORTFOLIO

- $105/MWh Energy only
- Price reductions
- $5 to $45/MWh
- SCGT Capacity $100/kW-Yr
- PS Capacity $200/Kw-Yr

Ratepayer Impact Significant Rate Increases

GEOTHERMAL PORTFOLIO

- $80 -$100/MWh Energy & Capacity
- Capacity Credit
- $30 - $40/MWh

Ratepayer Impact Lower Cost Higher Risk