

Aurora



Second Session

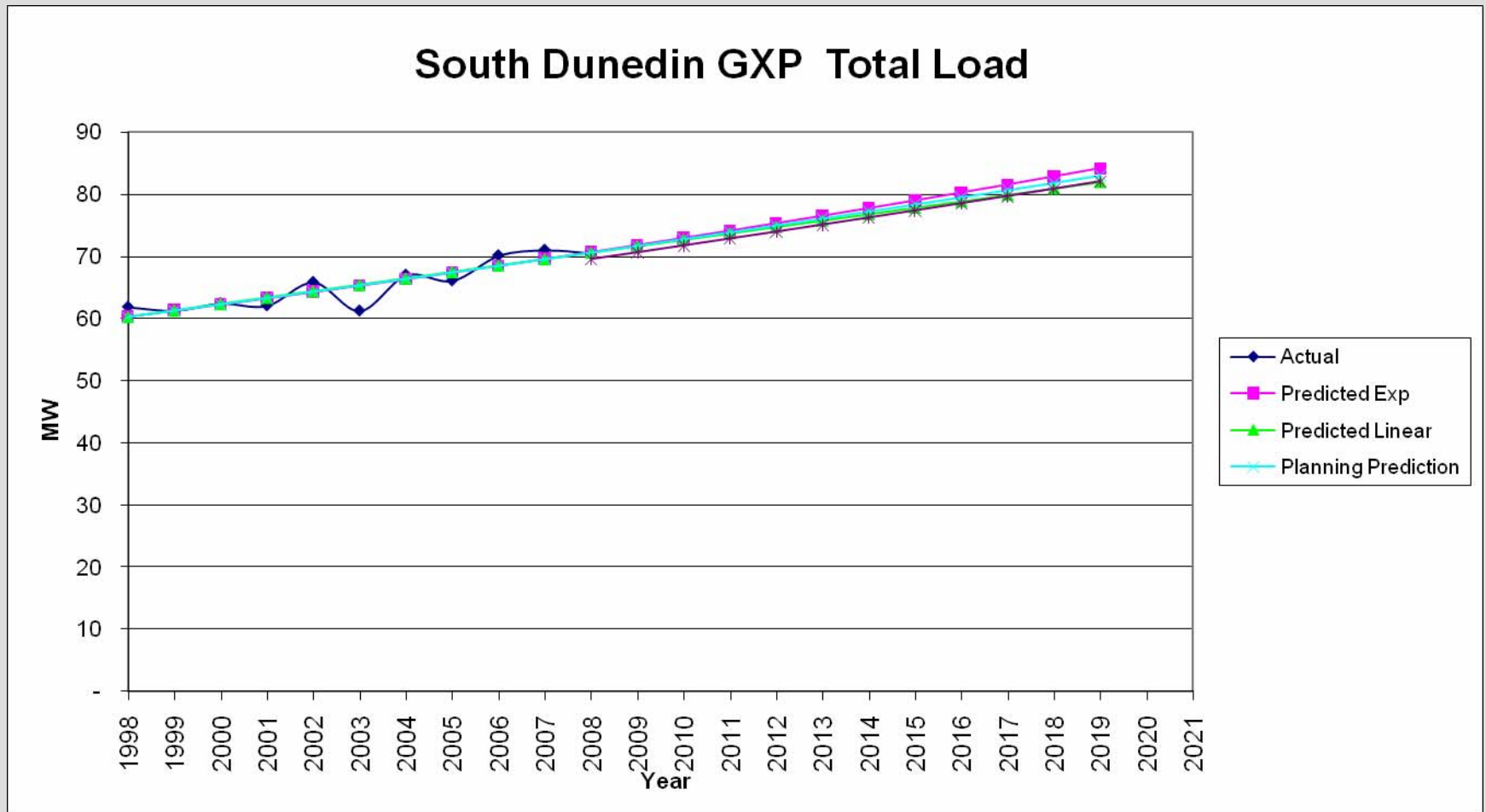
- Aurora Asset Management Plans
 - 2008 Plan published 11 August 2008
 - 2009 Plan published by 1 April 2009
 - Focus is on growth and capital expenditure plans

GXP Total Load Growth

- Many Aurora GXP's characterised by large amounts of embedded generation
 - Aurora System Load – 290 MW
 - Connected Distributed Generation – 80MW – more planned
 - Aurora plans take into account growth in System Total Load

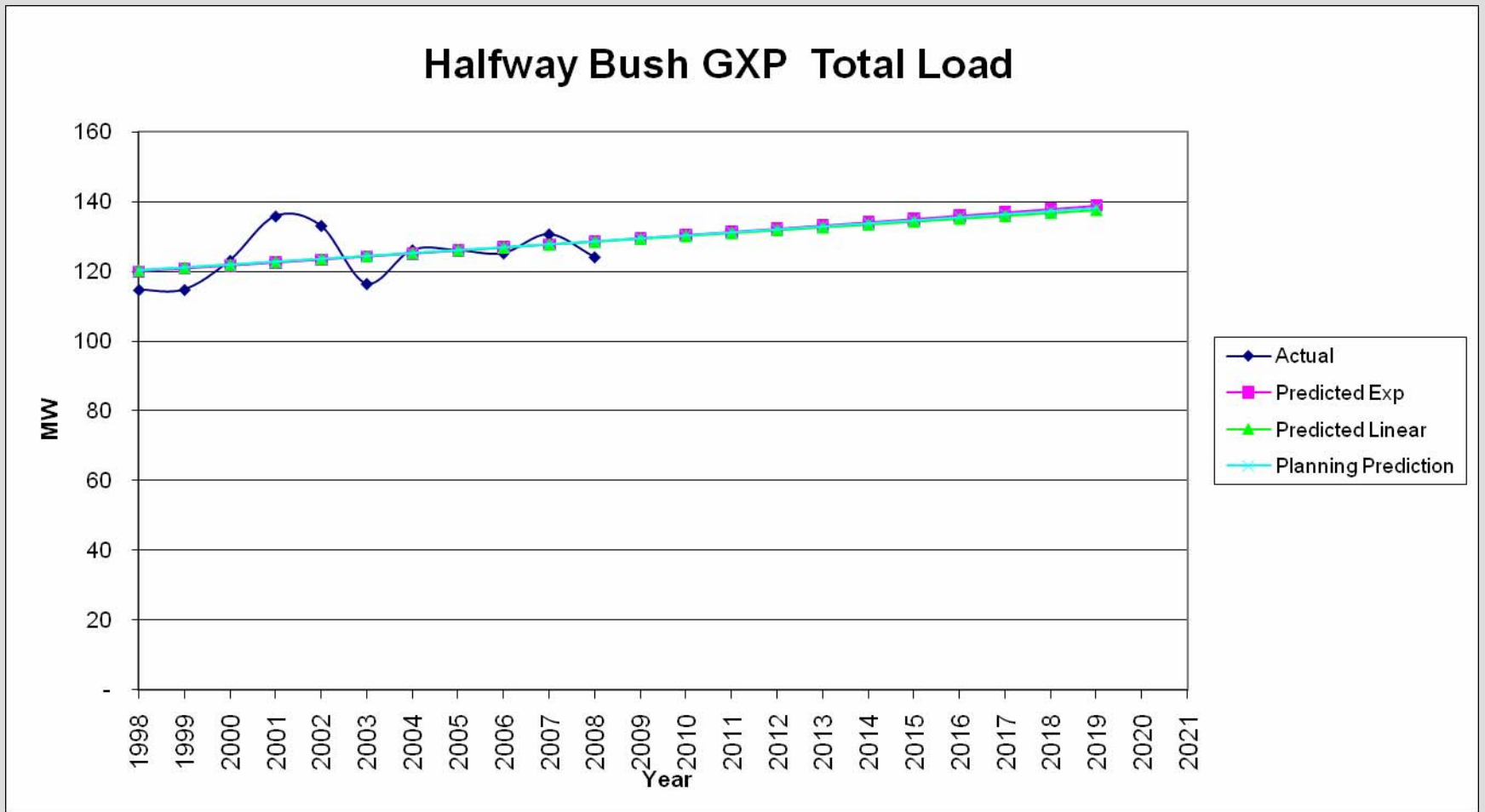
South Dunedin GXP approx 33%

Dunedin – growth 1.6%

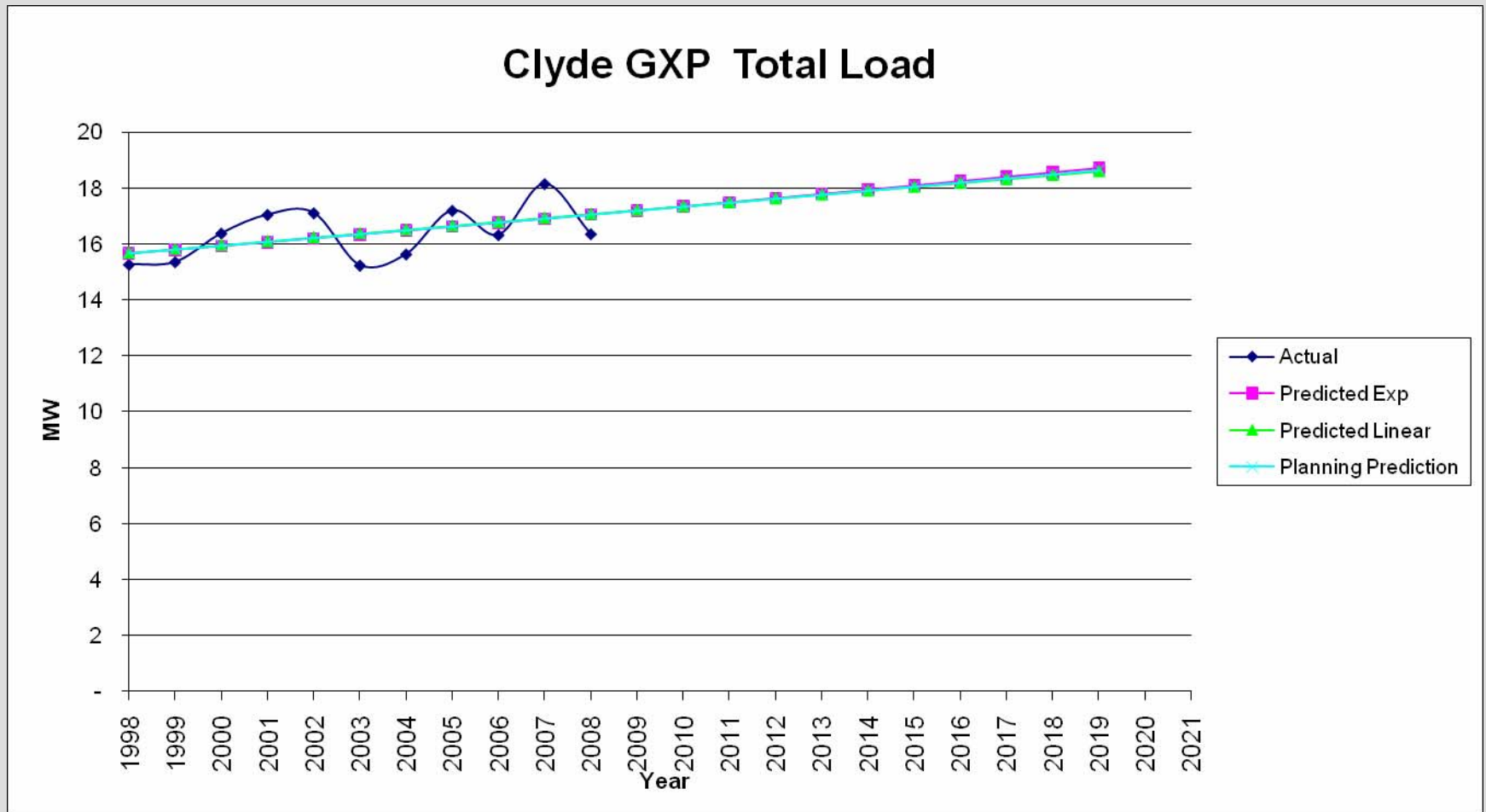


Halfway Bush GXP Approx 67%

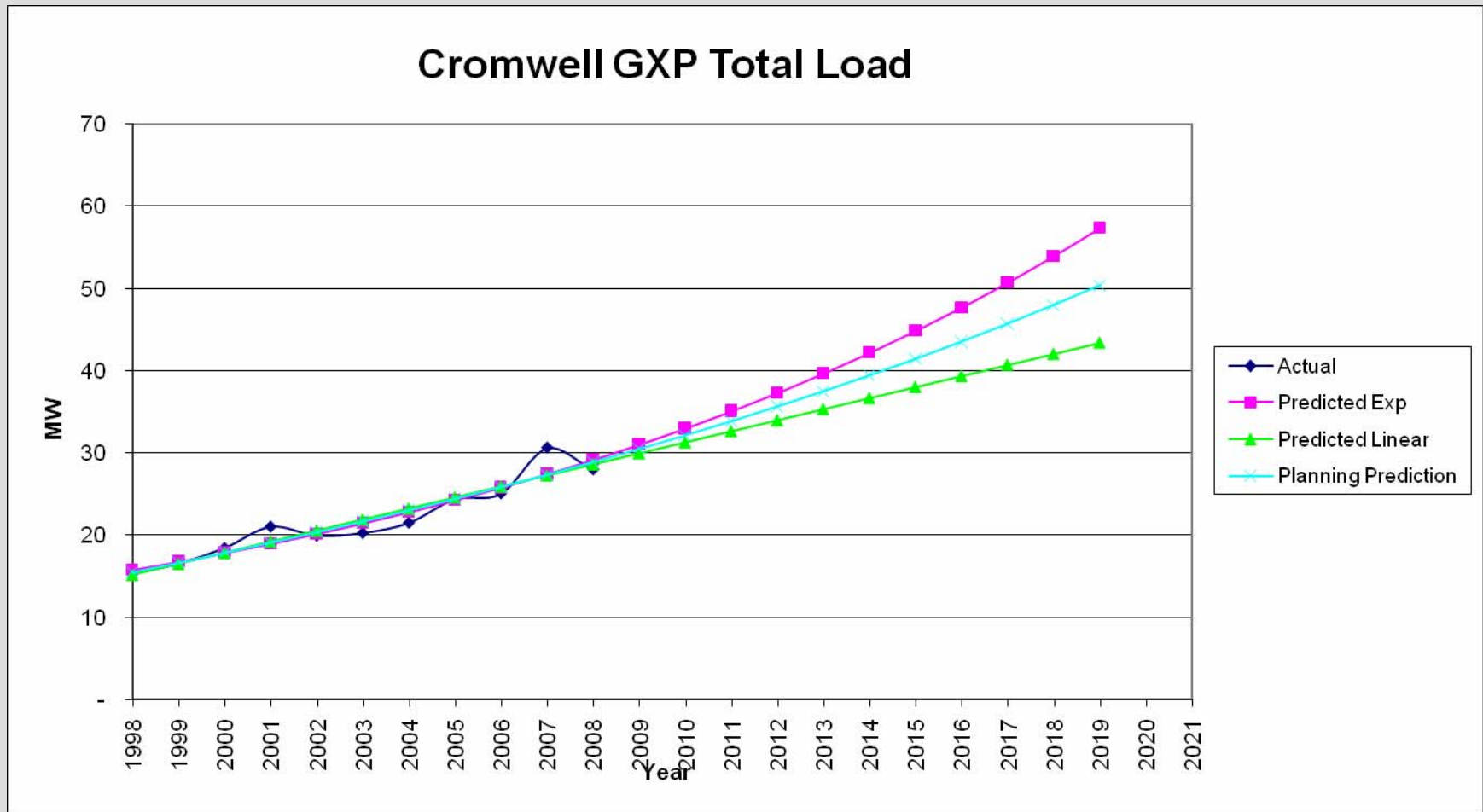
Dunedin incl Taieri – growth 1.0%



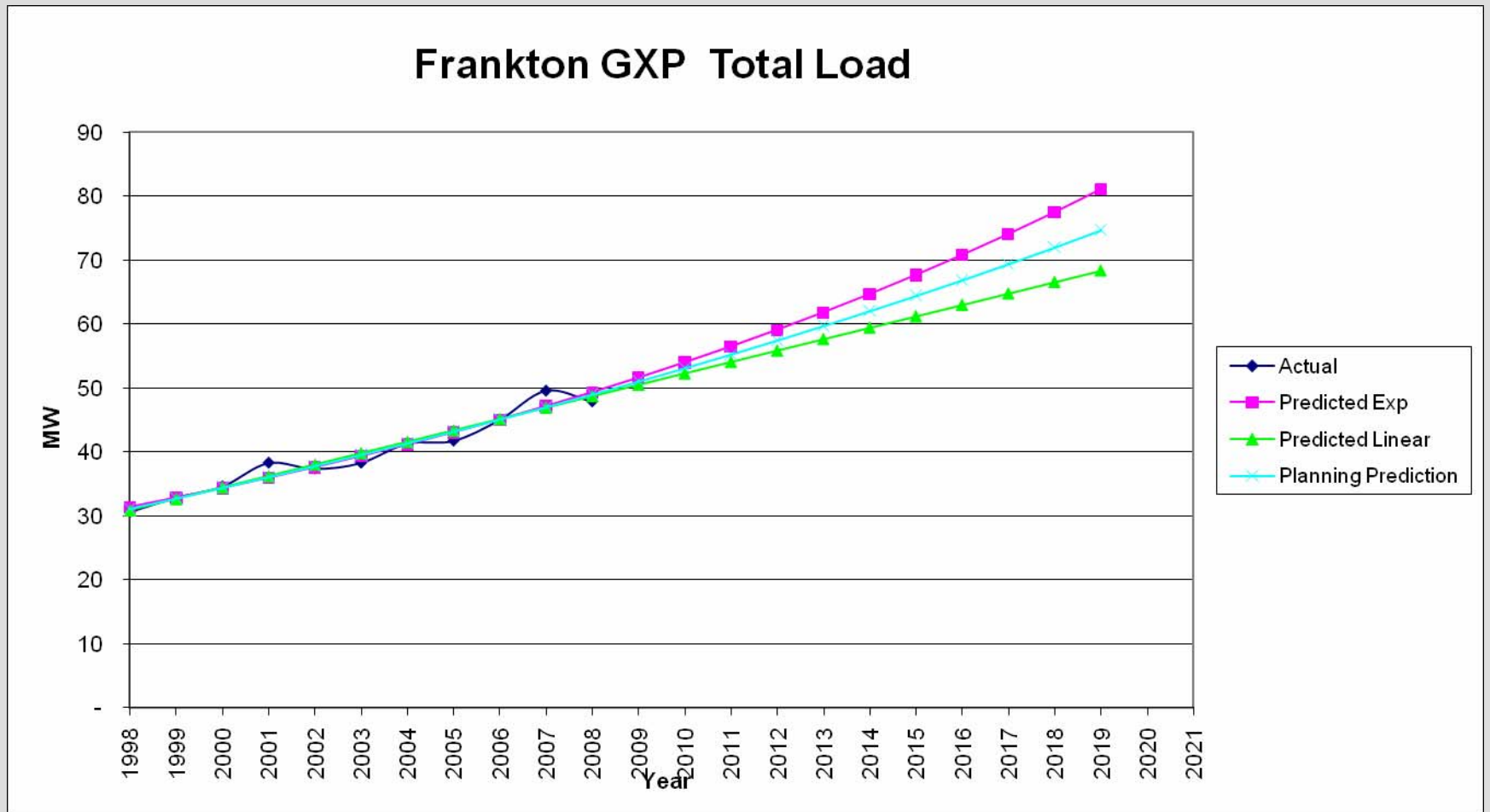
Clyde GXP incl Alexandra, Roxburgh, Omakau – growth 0.8%



Cromwell GXP incl Wanaka & Hawea – growth 6.3%



Frankton GXP incl Arrowtown, Glenorchy – growth 4.6%



Capital Expenditure Program

Year	08/09	09/10	10/11	11/12	12/13	13/14	14/15	15/16	16/17	17/18
TOTAL \$(000)	19,280	18,210	18,160	19,040	19,470	19,830	20,400	20,740	20,280	20,330

New Connections	42%
Renewals LV, HV, Distribution subs	18%
HV & LV Feeders	5%
Subtransmission and Zone substations	22%
Under grounding	13%

Major Expenditure Next Few Years

- 2009
 - Cardrona diesel generator (growth)
 - New Commonage Zone Substation 15MVA Queenstown (growth)
 - New Mobile 66/33/11kV 5MVA zone substation (reliability)
 - Mosgiel zone sub switchgear (reliability)
- 2010
 - East Taieri zone sub transformers (growth)

Major Expenditure Next Few Years

- 2010 cont
 - Frankton zone sub switchgear (growth)
 - Ward St zone sub switchgear and transformers (renewal)
 - Neville St 33kV cables (renewal)
- 2011
 - Rebuild Maungawera zone sub at Hawea (growth)
 - New Jacks Point zone substation (growth)

- Questions

