

Snoqualmie Falls Redevelopment Project

Dave Jenness – Senior Project Manager

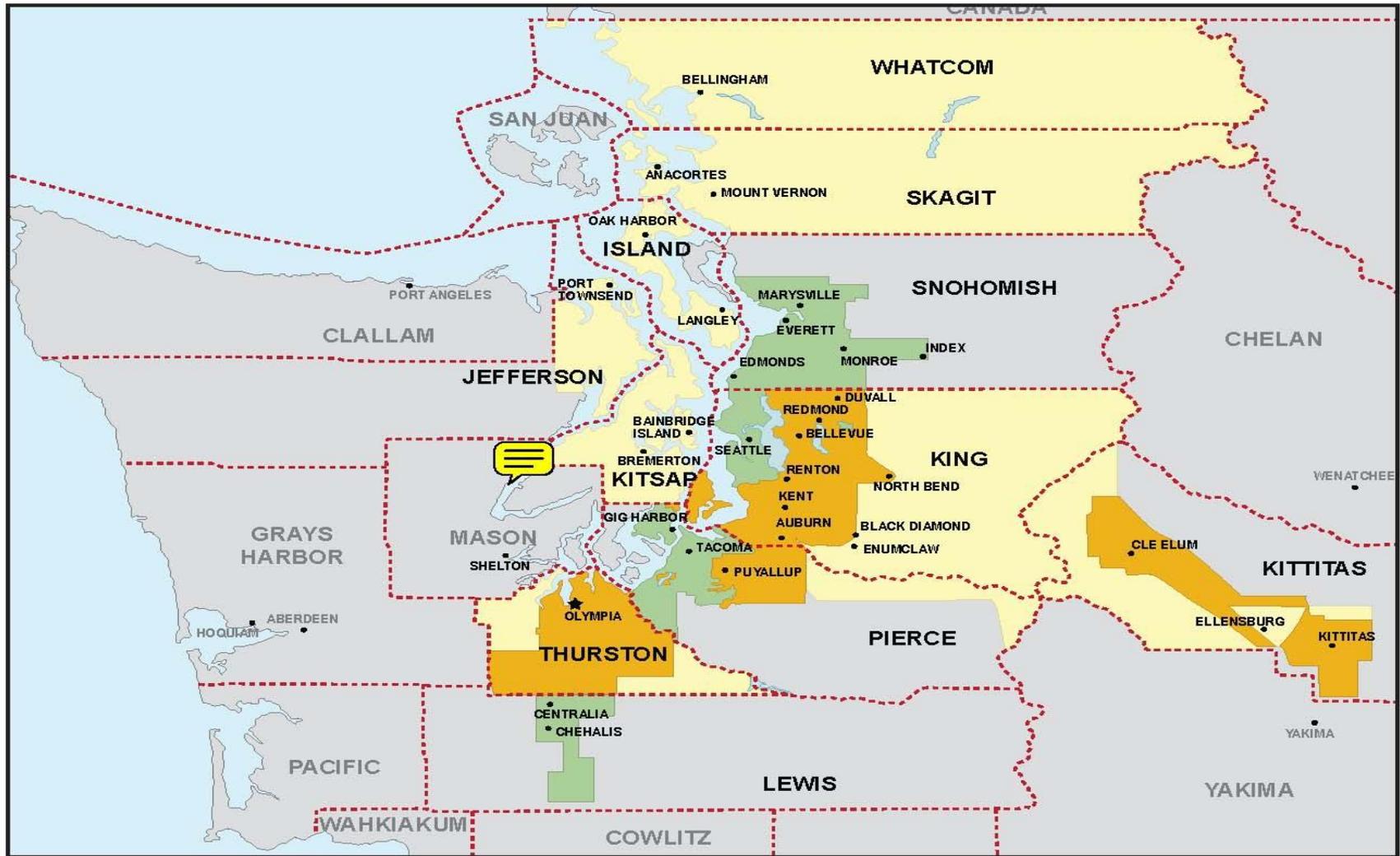
Sept 26, 2012



PUGET SOUND ENERGY

The Energy To Do Great Things

Puget Sound Energy



Snoqualmie Falls History

- 1898 Snoqualmie Falls Plant 1 starts generating Units 1 – 4. First Total Underground Powerhouse
- 1910 Unit 5 added
- 1905 Plant 2 Unit 1
- 1950 Plant 2 Unit 2

Snoqualmie Hydro

- Can you say “**wot-er man-ij-muh** nt”?
- “Run-of-the-river” plant
- River ramping rates
- Falls flows
- Protect Fish Below the falls



Timeline

- License Application 1991, 1995, 2003
- License Received June 2004
- License Amendment Application 2007
- Amendment Approved 2009
- Construction Start – April 2010
- Completion (In Service) – Plant 2 March 2013; Plant 1 June 2013



Snoqualmie Generation

Plant 1 (before refurbishment)

- Unit 1 = 1.5MW
- Unit 2 = 1.5MW
- Unit 3 = 1.5MW
- Unit 4 = 1.5MW
- Unit 5 = 5.6MW

Plant 2 (before refurbishment)

- Unit 6 = 7.5MW
- Unit 7 = 26.5MW

Total = 45.6MW

Plant 1 (after refurbishment)

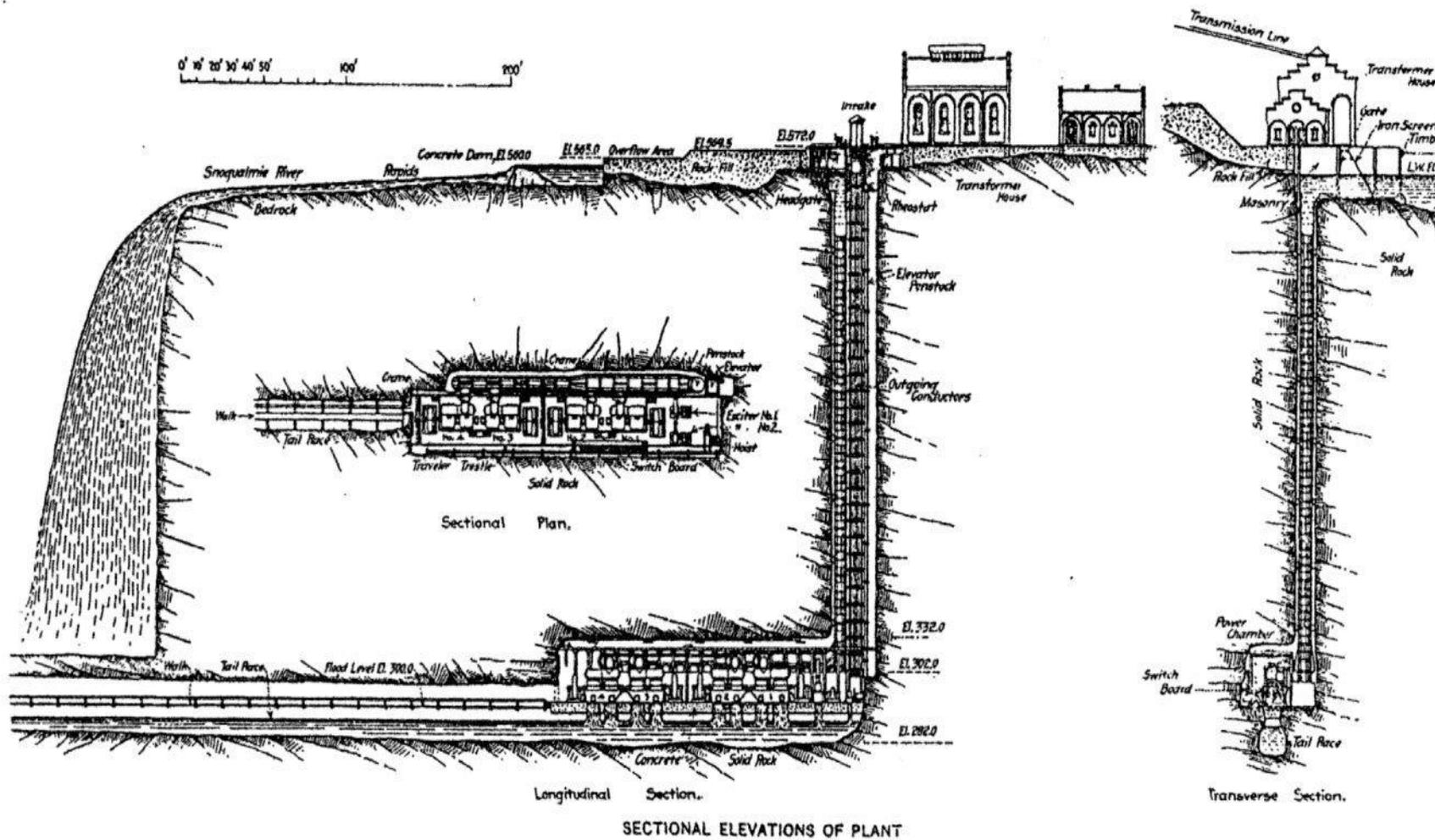
- Unit 1 = 1.8MW
- Unit 2 = 1.8MW
- Unit 3 = 1.8MW
- Unit 4 = 1.8MW
- Unit 5 = 6.5MW

Plant 2 (after refurbishment)

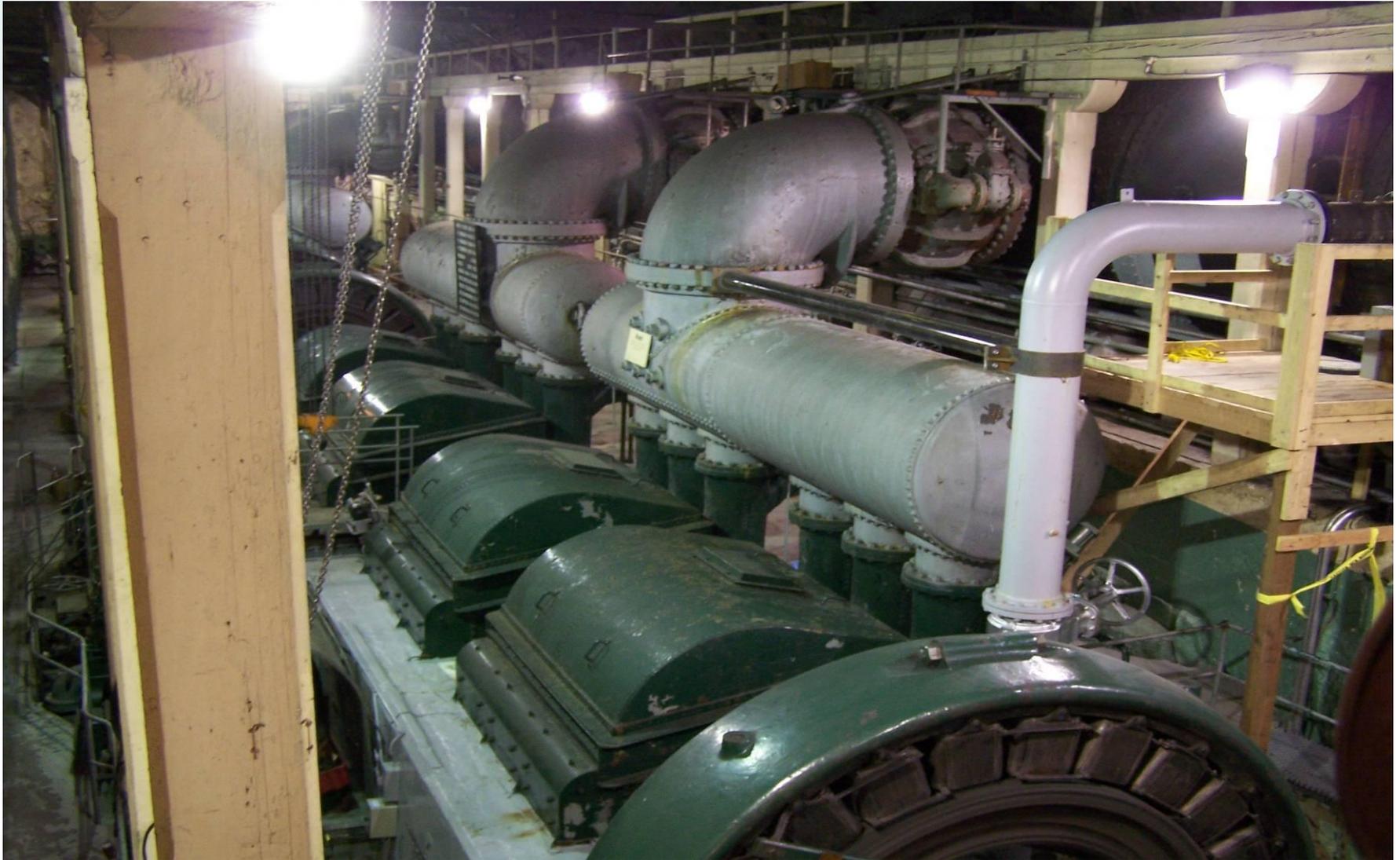
- Unit 6 = 13.7MW
- Unit 7 = 26.5MW

Total = 53.9MW

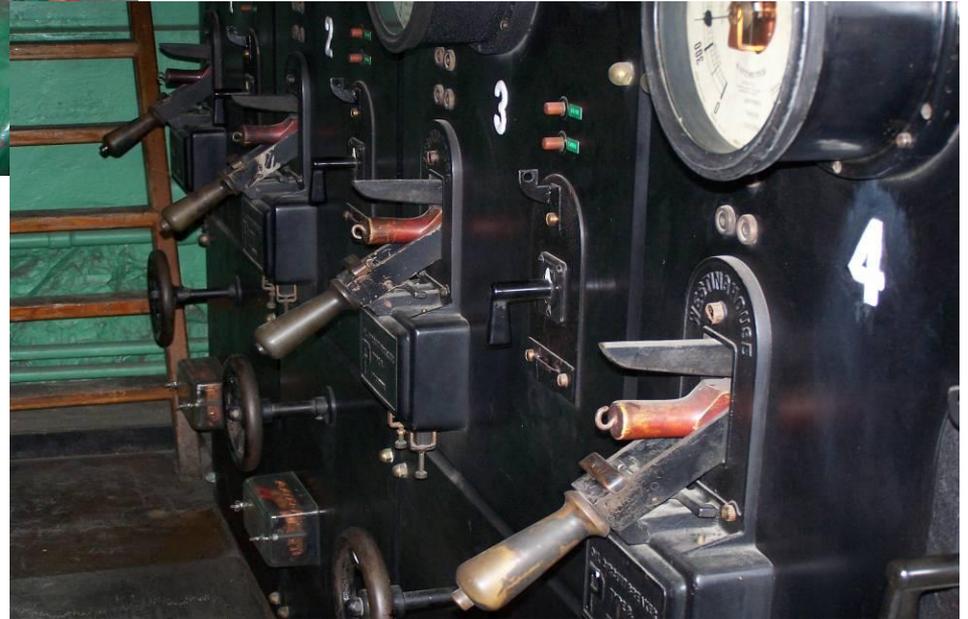
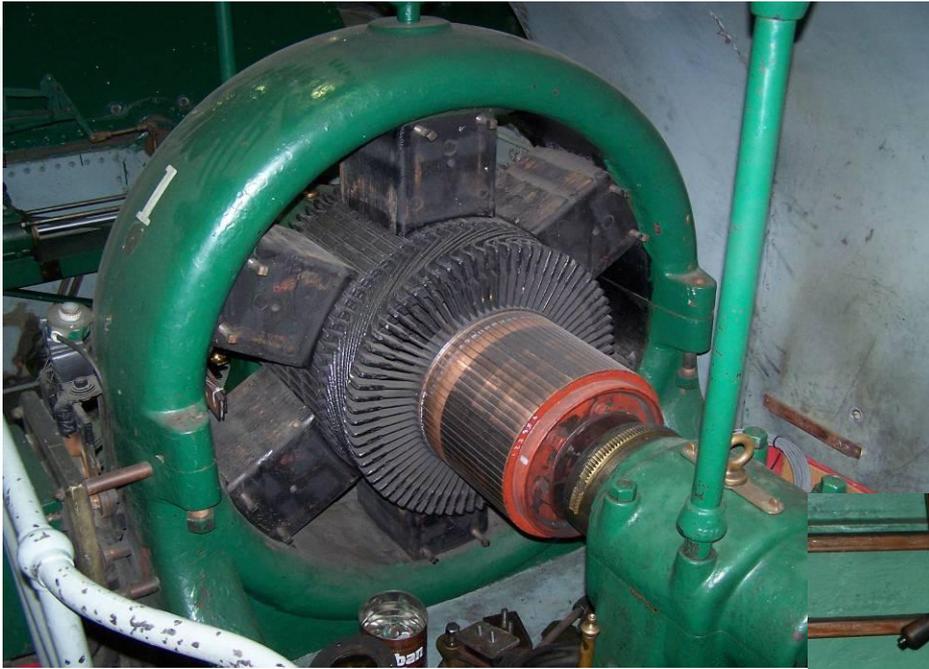
Snoqualmie Plant 1 Cross Section



Plant 1 – 80m Underground



Plant 1 – 1898 Equipment Still Operating



Plant 1 Above Ground



Step One - Control the River



Plant 1 October 2010



Plant 1 Simulation



Snoqualmie Falls Project

DRAFT SIMULATION - SEPTEMBER 22 2009

EDAW | AECOM

Plant 2 Intake



Plant 2 Intake July 2012



Plant 2 Prior to April 2010



Plant 2 Cofferddam



Plant 2 July 2012



Questions?



PUGET SOUND ENERGY

The Energy To Do Great Things