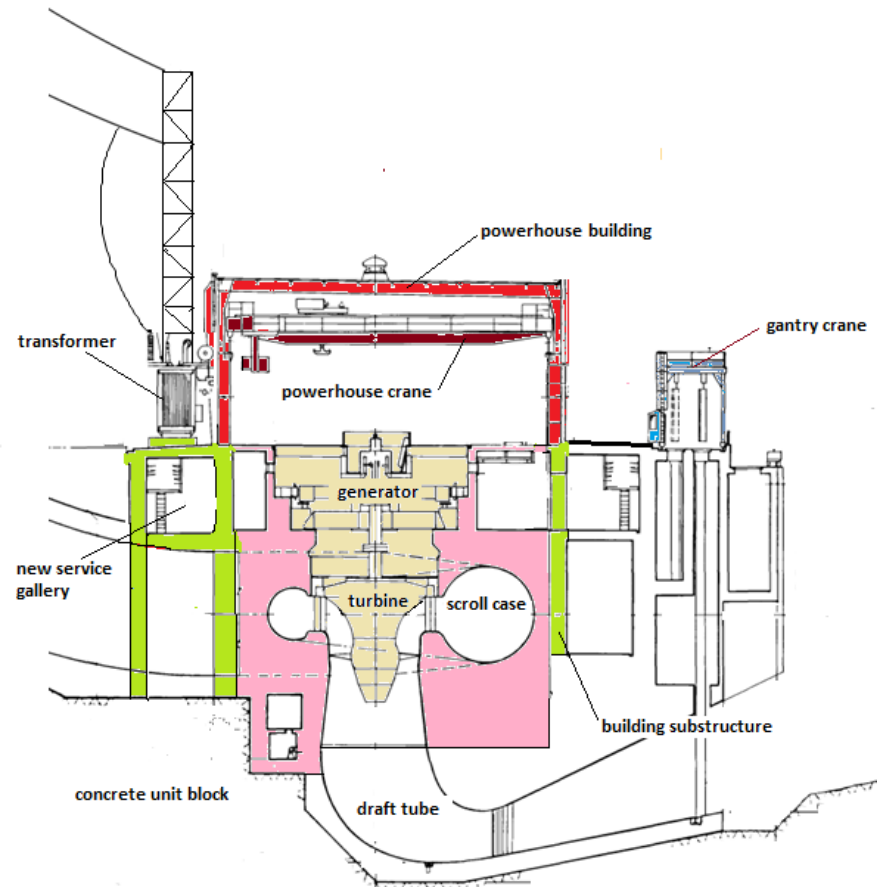


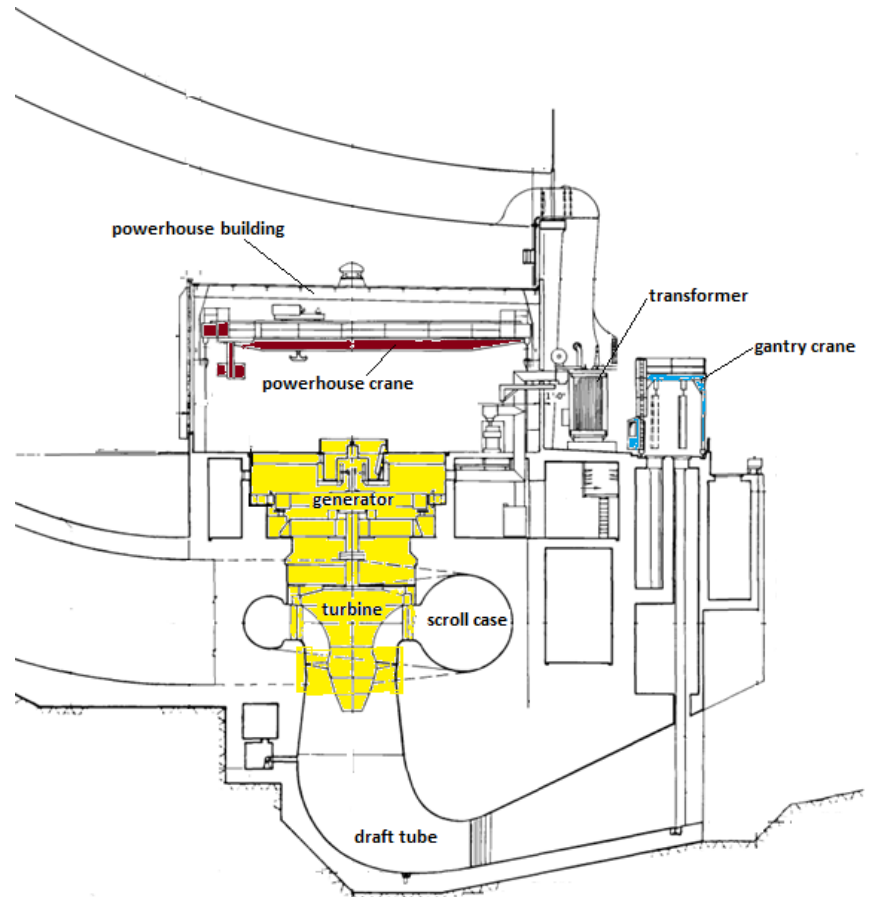
Mactaquac G.S.

Life Achievement Options

Option 4a
Insitu Replacement



Option 4b
Life Extension



Option 4a

- Install new upstream equipment gallery *
- Remove and replace generator and turbine
- Remove embedded parts and surrounding concrete *
- Remove and replace powerhouse building*
- Move transformer
- Remove and replace powerhouse service bay and administration building *

Option 4b

- Remove turbine and generator and repair or replace components as required
- Modify turbine to correct known deficiency with blade pump
- Modify and repair powerhouse superstructure *

Common work for Options 4a and 4b

- Control seepage with grouting and surface sealing *
- Repair of damaged and deteriorated concrete including gate guides, bridges and rollways *
- Replacement of miscellaneous mechanical and electrical equipment including gates, cranes, pumps, piping, cabling and controls
- Continuing maintenance program

* - items related to Alkali Aggregate Reaction