

- 1) Has the facility, or individual generators at the facility, been out of operation for a continuous period exceeding 6 months since the facility first became operational? If so, please provide the starting and ending dates for each such inactive period.

For the period 1/1/05 to 12/31/12 the following outage exceeded six-months:

Unit 10 incurred an outage to repair the generator rotor and stator – October 18, 2004 through April 21, 2005

- 2) For any significant retrofits completed at the facility since it first became operational, describe the retrofits including the dates on which such retrofits were completed.

For the period 1/1/05 to 12/31/12 the following rehabilitations were performed:

Unit 4 rehabilitation outage - 10/8/2005-2/23/2007; Total Cost \$7.6 million

The Unit's generator failed in service. The Unit's generator and turbine were rehabilitated for a 30 year life extension.

Scope: Stator restack and rewind, Rotor poles tested, those effected by failure or failed test were reinsulated. Turbine was sent to Voith Hydro for rehabilitation, including replacement of all internal wearing parts. Wicket gates were rehabilitated and bushings replaced. Rehab or servos, Kaplan, and wicket gates linkages. Bearings were inspected.

Unit 5 rehabilitation outage - 6/28/2010-10/24/2011; Total Cost \$10.6 million

The Unit's generator was rehabilitated for a 30 year life extension. This was a planned outage. Rotor spider was found to be damaged beyond repair during outage and a new one ordered.

Scope: Stator restack and rewind. The Unit was centered and aligned. New rotor spider, all poles were reinsulated; Bearings were inspected. Turbine guide bearing were rebabbitted. Electrical system and cooling water system were upgraded.

Unit 6 rehabilitation outage - 5/5/2008-5/4/2009; Total Cost \$13.4 million

The Unit's generator and turbine were rehabilitated for a 30 year life extension. This was a planned outage.

Scope: Stator restack and rewind. The Unit was centered and aligned. All poles were reinsulated; Bearings were inspected. Turbine guide bearings were rebabbitted. Electrical system and cooling water system were upgraded. Wicket gates were rehabilitated with new seals. Turbine blades were overlaid with stainless steel. Turbine internal wear parts were replaced. New discharge ring with dissolved oxygen capability was added.

- 3) Describe any changes to the facility's capacity factor as a result of the retrofits listed above in response to #2. The work described 2) did not change the facility's capacity factor. If these Units were not rehabilitated, capacity would have been lost.

Wyatt F. Morrison
Secretary and Treasurer
Safe Harbor Water Power Corporation
1 Powerhouse Rd.
Conestoga, PA 17516-9651

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Summary: Response Response to Certificate 13-HYD-PA-GATS-0402 electronically filed by Mr. Wyatt F. Morrison on behalf of Constellation Power Source Generation, Inc. and LSP Safe Harbor Holdings, LLC