THE STATE OF NEW HAMPSHIRE

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PUBLIC UTILITIES COMMISSION

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June 15, 2010



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Lutz Loegters Project Manager Ampersand Gilman Hydro LP 390 Bay St. Suite 1101 Toronto, ON M4N 1B9

Re: DE 10-087, Ampersand Gilman Hydro LP Certification Application for Class IV Eligibility of the Gilman Hydro Facility Pursuant to RSA 362-F Request for Additional Information

Dear Mr. Loegters:

On March 31, 2010, the New Hampshire Public Utilities Commission (Commission) received an application from Ampersand Gilman Hydro LP requesting certification for the Gilman hydroelectric facility as a Class I and a Class IV renewable energy source pursuant to RSA 362-F, New Hampshire's Renewable Portfolio Standard law. Staff has reviewed your application and has noted the following items that must be addressed before your application is considered complete:

- 1. Please provide the in-service dates for each unit and maintenance history since each unit began operation.
- 2. Please explain why Gilman Hydro removed Unit 2's concrete blocks.
- 3. Please explain why Gilman Hydro modified Unit 2's forebay walls.
- 4. Please define a Belzona pump glide.
- 5. Please provide the increased output capacity and run time of Unit 3 as a result of adding a cooling allowance.
- 6. In regard to Units 3 and 4, please explain why Gilman Hydro would modify bearing supports that are structurally stable.
- 7. Why is the actual capacity of Unit 4 still 450 kilowatts less than the design capacity? When is the full upgrade expected to be completed and what is the expected full capacity?
- 8. Please define the term "UHMW bearings."
- 9. Please provide the Unit 1 rebuild costs of the items listed below:
 - Installed PLC system;
 - Installed new wicket gate bearings;
 - Upgraded wicket gate adjustment ring;
 - Removed mechanical stop; and

- Modified the blade servo unit.
- 10. Please provide the Unit 2 rebuild costs of the items listed below:
 - Installed PLC system;
 - Installed new governor servo cylinder;
 - Installed new automatic shutdown and wicket gate hydraulic control;
 - Redesign for longer wicket gate stroke;
 - Removed concrete blocks;
 - Modified forebay walls;
 - Rebuilt wicket pins and bushing;
 - Rebuilt wicked gates, housing and blade with Belzona pump glide;
 - Added tail cone; and
 - Improved cooling to Unit 2 room.
- 11. Please provide the Unit 3 rebuild costs of the items listed below:
 - Installed new adjustable UHMW bearing;
 - Modified bearing supports;
 - Rebuilt generator;
 - Replaced excitor controls; and
 - Added and upgraded control panel protective relays.
- 12. Please provide the Unit 4 rebuild costs of the items listed below:
 - Rebuilt draft tube;
 - Installed new adjustable UHMW bearings;
 - Modified bearing supports;
 - Installed new high efficiency runners/wicket gate combination with new governor hydraulics;
 - Replaced excitor controls; and
 - Added new control panel protective relays.

These items must be received by the Commission to complete your application. Until such time as your application is complete, it will not be processed. If the requested documentation is not provided within ten business days, your file will be closed without prejudice. Please refer to docket number DE 10-087 in all future correspondence with the Commission. Should you have any questions, please do not hesitate to contact me. My phone number is 603-271-2431 and my e-mail is maureen.reno@puc.nh.gov.

Sincerely,

Maureen L. Reno

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Utility Analyst III

cc: Suzanne Amidon Staff Attorney