



PROJECT STATUS REPORT FORM

Project Number: PGT-06-01 Best Practice for Power Generation	Task Force: Power Generation & Transmission Task Force
Title of Project: Hydroelectric Generation Efficiency Improvement Program	
Lead Partner Country: USA	
Participating Partner Countries and Organizations: All	
Project Location (Country, State/Province, City): Charlotte, North Carolina	
Project Manager Information Name: Eileen Robinson Organization: Duke Energy Corporation Address: 526 South Church Street Charlotte, North Carolina 28202-1803 Name: Michele Somerday Organization: FirstEnergy Corp. Address: 76 South Main Street, 13 th Floor Akron, OH 44308	
Phone: Fax: Email: EKRobinson@duke-energy.com Phone: Fax: Email: msomerday@firstenergycorp.com	
Project Start Date: August 13-17, 2007	Date of Project Status Update: October 2009
Actions Since Last Update:	
Deliverables Since Last Update: Date Completed:	
Milestones Reached: Relationships established and facilitated information exchanges on engineering concepts and technologies, upgrade approaches, outage planning techniques, and grid interfaces to avoid CO2 emissions.	



Next Steps: Future hydroelectric generation events were encouraged by the participants. The Power Generation and Transmission Task Force leadership has encouraged Partnership Countries to build on each event. The objective of the future events will be to build on the initial exchanges.

Additional dialogue is encouraged concerning maintenance practices that increase reliability, rehabilitation of existing units to prolong life of the units and implementation of efficiency enhancements, efficient integration with grid operations and exchange of information concerning new technologies. The participants of this event committed to future exchanges of information. They are encouraged to contact the co-chairs of the Task Force to pursue the development of future events.

Proposed Project End Date: TBD

Project Already Complete: Yes No

Other Information: The 1st “Hydroelectric Generation Efficiency Improvement Project” was held from August 13-17, 2007 in Charlotte, North Carolina USA at Duke Energy headquarters and concluded at FirstEnergy’s Yards Creek Pumped Storage Hydroelectric facility in Blairstown, New Jersey, USA. More than 40 participants with hydroelectric engineering, operations, maintenance and management expertise from five APP countries participated in the event.

The goal was to enable operators to cost effectively upgrade critical components of conventional and pumped storage hydroelectric facilities resulting in more efficient energy production from available water supply, providing additional generating capacity and extending the life of facilities such that new CO₂ emitting generation can be deferred.

Please attach any supplemental project information to this form.