

# Project Candidate Template

**Instructions:** Stakeholders should contact Brian Hurysz at (518) 356-6126 or email [bhurysz@nyiso.com](mailto:bhurysz@nyiso.com) (cc Leigh Bullock [lbullock@nyiso.com](mailto:lbullock@nyiso.com) on any email communications) to discuss any suggestions for new projects. A NYISO staff member will be assigned to work with the stakeholder on each new project request, provide assistance with completing this template as needed, and facilitate internal discussions for the NYISO scoring and costing. Please complete this template with as much information as possible to assist the NYISO in developing an accurate a business case.

## 1 Study 5-minute Transaction Scheduling of External Resources

### 1.1 Problem / Opportunity

*The NYISO has identified that more frequent transaction scheduling with external control areas could improve convergence between prices in RTC and RTD and offer increased flexibility to the market optimization software, as the penetration of intermittent renewables increases. The NYISO has also determined that 5-minute transaction scheduling would be a pre-requisite for external resources to be eligible to provide operating reserves, and perhaps other ancillary services.*

*HQUS believes that allowing external resources to be scheduled based on RTD will place these on equal footing with internal generation and will reduce the occurrence of over or under commitment of external resources.*

### 1.2 Project Objective(s) & Anticipated Deliverable(s)

*This project would deliver a study to propose a mechanism to enhance the real-time interchange scheduling processes by allowing the economic scheduling of interchange across controllable interties with Hydro-Quebec (HQ) every 5 minutes, using the 5-minute RTD. Interchange scheduling with HQ is currently achieved on either a 15-minute or an hourly basis using the RTC software.*

*The project would study the potential for other interties to also be scheduled on a 5 minutes basis, depending on the discussion with HQ and other control areas, namely, PJM, ISONE and Ontario.*

### 1.3 Project Justification

*This is particularly important with the growing objectives in NY State for renewable generation and for the replacement of fossil fuel generation. HQ's large, flexible and low carbon hydropower generation represents a solution to support grid flexibility in a 70% by 2030 world.*