NYSRC RISK TRACKING MATRIX

Potential Risk	Recommended (R) or Approved (A) NYSRC Actions	Responsible Entity	Timeline
The expected significant increase in renewable resources in NYCA will present several risks, as follows: • Extreme but realistic events such as hurricanes may impact the availability of multiple regional solar, off-shore, or on-shore wind facilities. Such contingencies are not presently represented in present IRM and resource adequacy models. • Premature retirements of conventional generating units that may result in inadequate resource capacity. • Uncertain impacts of increased energy storage. • Inadequate transmission capacity to accommodate renewable resources. • Insufficient ramping. • Lack of knowledge by policy makers concerning reliability issues, particularly with respect to renewable resource impacts and political opposition to the use of fossil fuels. • Present resource adequacy metrics may be inappropriate with regard to IRM and resource adequacy assessments for a NYCA system with large renewable resource capacities and DERs. • Several system operations issues including balancing load and generation, maintaining adequate operating reserves, black start requirements, and voltage support could present reliability challenges.			
Present planning and operating models do not now take into account the expected increase of DERs.			
Cyber attacks from increasingly sophisticated internal and external sources may arise in the future.			
Not retaining NYSRC members and consultants with sufficient technical skills for effectively maintaining the NYSRC mission.			