

Attachment G1 – FERC Approved Studies for Relicensing of Conowingo Dam

| No. | Study Name |
|------|--|
| 3.1 | Seasonal and Diurnal Water Quality in Conowingo Pond and below Conowingo Dam (as modified) |
| 3.2 | Downstream Fish Passage Effectiveness Study (as modified) |
| 3.3 | Biological and Engineering Studies of American Eel at the Conowingo Project (as modified) |
| 3.5 | Upstream Fish Passage Effectiveness Study (as modified) |
| 3.6 | Conowingo East Fish Lift Attraction Flows (as modified) |
| 3.7 | Fish Passage Impediments Study below Conowingo Dam |
| 3.8 | Downstream Flow Ramping and Fish Stranding Study (as modified) |
| 3.9 | Biological and Engineering Studies of the East and West Fish Lifts |
| 3.10 | Maryland Darter Surveys |
| 3.11 | Hydrologic Study of the Lower Susquehanna River (as modified) |
| 3.12 | Water Level Management (Littoral Zone and Water Level Fluctuation) (as modified) |
| 3.13 | Study to Assess Tributary Access in Conowingo Pond |
| 3.14 | Debris Management Study |
| 3.15 | Sediment Introduction and Transport (Sediment and Nutrient Loading) (as modified) |
| 3.16 | Instream Flow Habitat Assessment below Conowingo Dam |
| 3.17 | Downstream EAV/SAV Study (Water Level Vegetative Cover Study) |
| 3.18 | Characterization of Downstream Aquatic Communities |
| 3.19 | Freshwater Mussel Characterization Study below Conowingo Dam (as modified) |
| 3.20 | Salinity and Salt Wedge Encroachment (as modified) |
| 3.21 | Impact of Plant Operations on Migratory Fish Reproduction (as modified) |
| 3.22 | Shortnose and Atlantic Sturgeon Life History Studies (as modified) |
| 3.23 | Study to Identify Habitat Use Areas for Bald Eagle |
| 3.24 | Dreissenid Mussel Monitoring Study (as modified) |
| 3.25 | Creel Survey of Conowingo Pond and the Susquehanna River below Conowingo Dam (as modified) |
| 3.26 | Recreational Inventory and Needs Assessment (as modified) |
| 3.27 | Shoreline Management (as modified) |
| 3.28 | Archaeological and Historic Cultural Resource Review and Assessment |
| 3.29 | Effect of Project Operations on Downstream Flooding |
| 3.30 | Osprey Nesting Survey |
| 3.31 | Black-crowned Night Heron Nesting Survey |
| 3.32 | Re-evaluate the Closing of the Catwalk to Recreational Fishing |