

# Run-of-River Hydropower in New England and New York: A Preliminary Assessment

Sarah Kulpa Syracuse, New York 2010 NHA Northeast Regional Meeting

#### NY & New England – FERC Projects Overview

- 304 FERC-licensed hydroelectric projects and 183 projects operating under FERC exemptions (9,723 MW)
  - > Approximately 620 individual developments
  - ➤ 5 pumped storage projects (Bear Swamp, Rocky River, Northfield Mountain, Blenheim-Gilboa, Lewiston) - 3,188 MW
  - > 9 licensed storage projects
  - ≥ 219 projects < 1 MW</li>→ 75 projects < 250 kW</li>

State	No. of Developments	Total Capacity (MW)
NY	212	6063
MA	70	1970
ME	123	695
NH	98	600
VT	81	240
CT	28	146
RI	7	12

#### Run-of-River - Defined

#### FERC definition:

No utilization of headpond storage and that outflow from the facility is equal to inflow to the pond on an instantaneous basis.

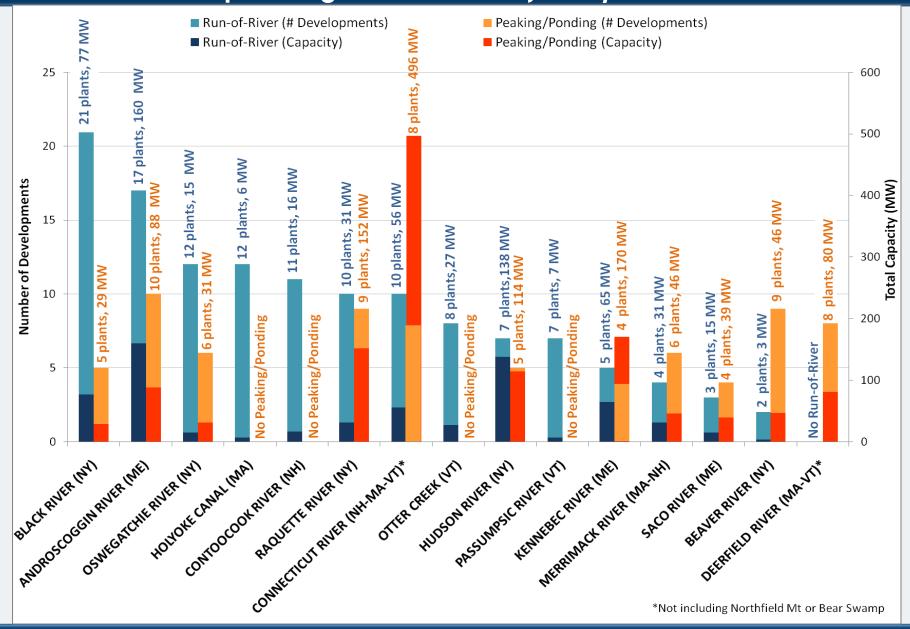
Delaware

West Virginia

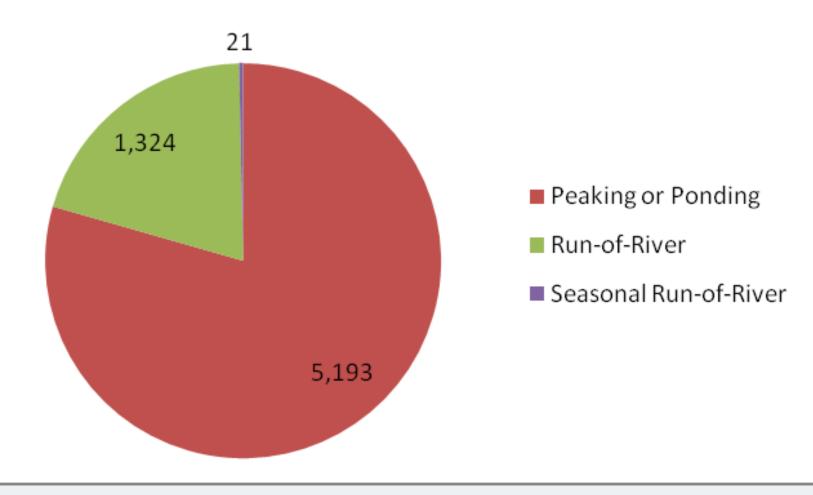
Virginia

Miles

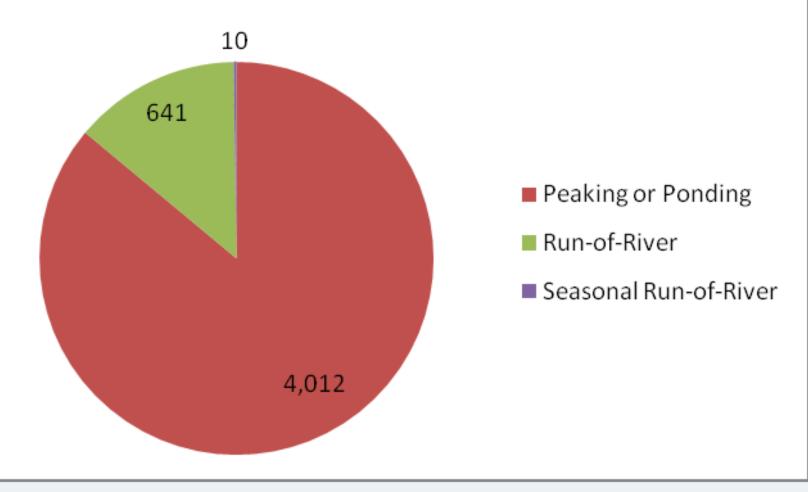
#### Distribution of Operating Modes — Major Hydro Rivers

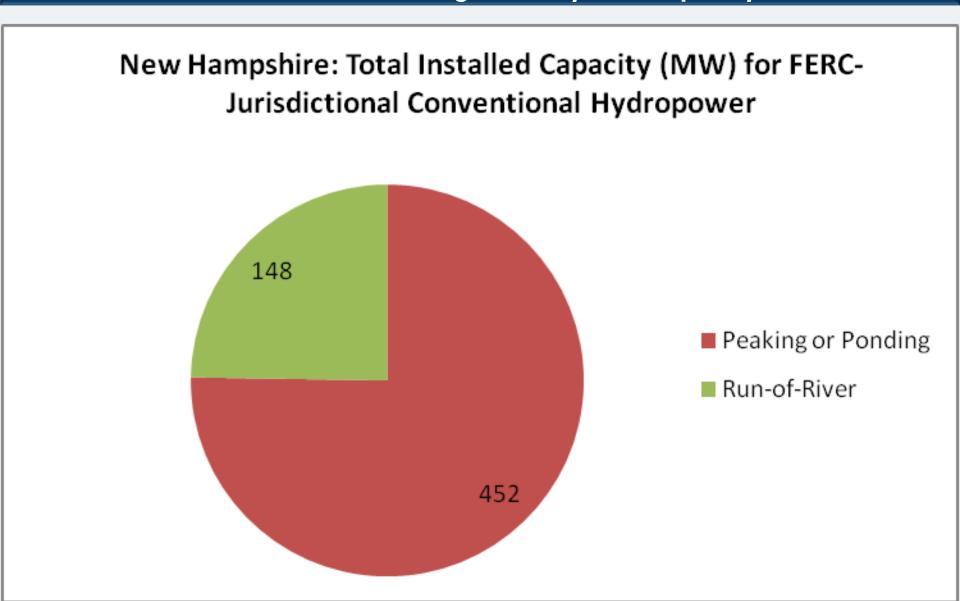


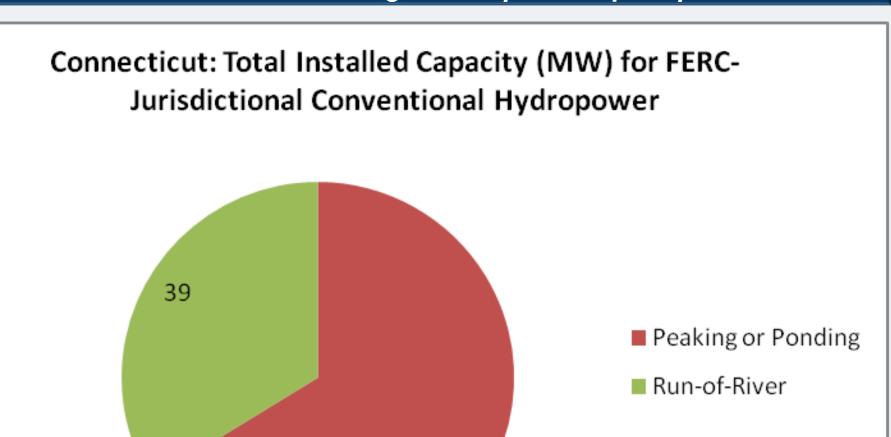
New England and New York: Total Installed Capacity (MW) for FERC-Jurisdictional Conventional Hydropower



#### New York: Total Installed Capacity (MW) for FERC-Jurisdictional Conventional Hydropower

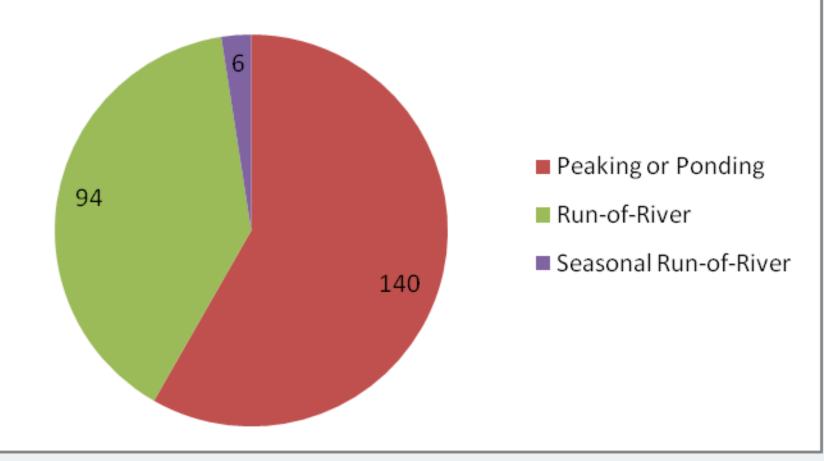




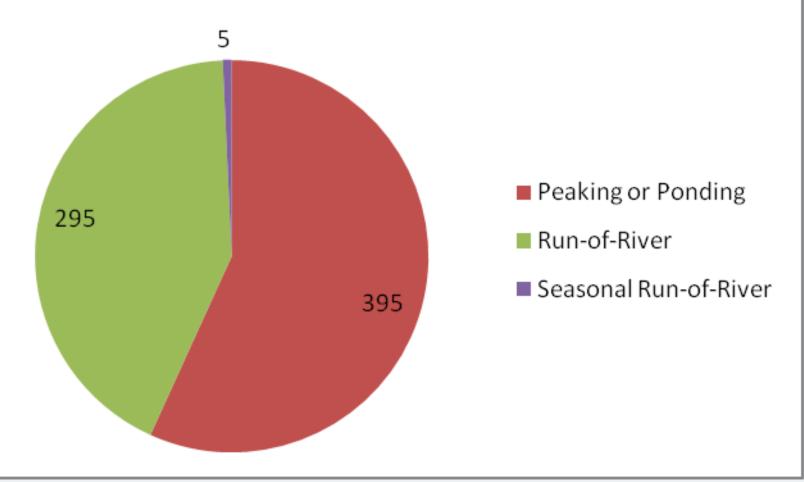


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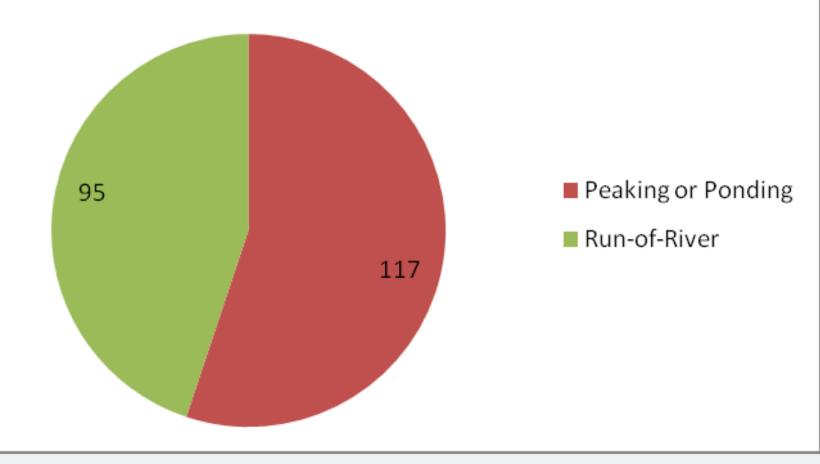












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