



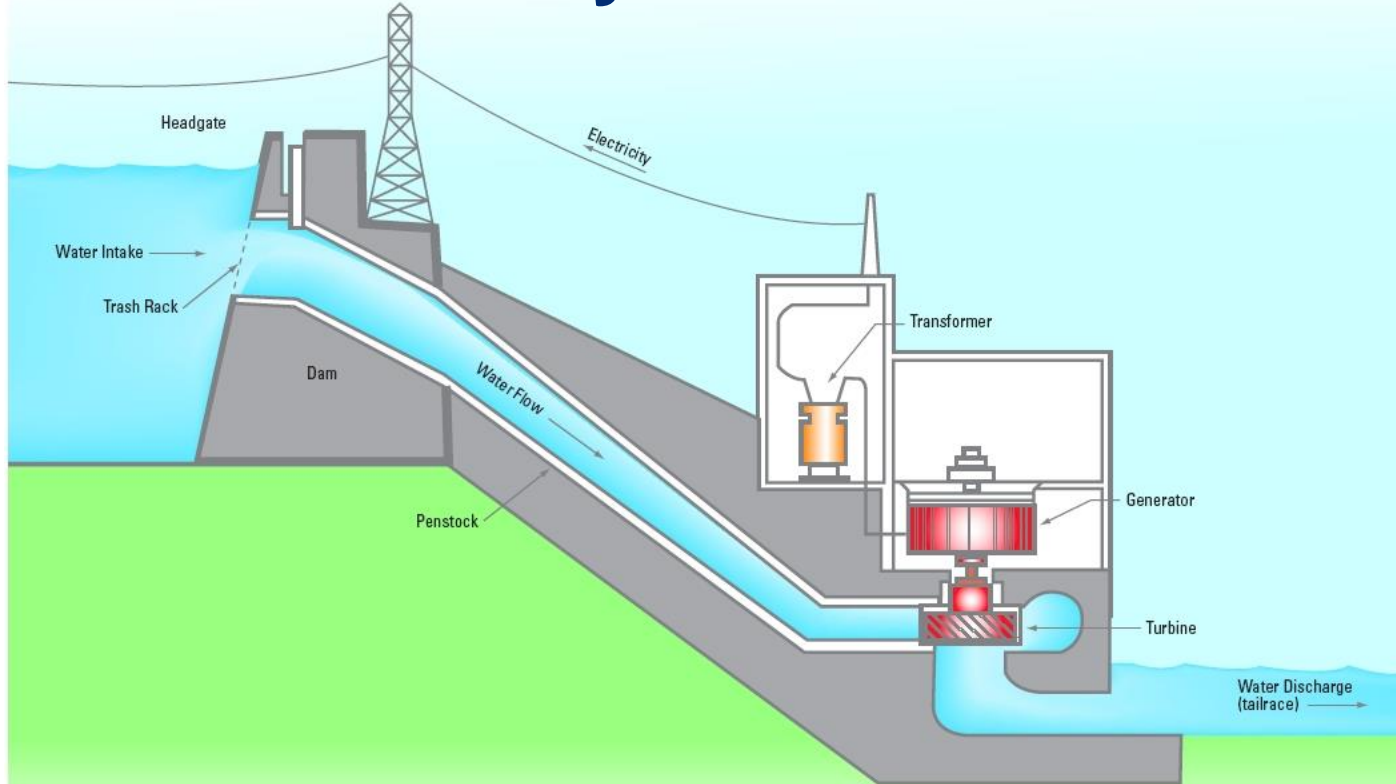
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Hydroelectric Facilities in the Black River Watershed

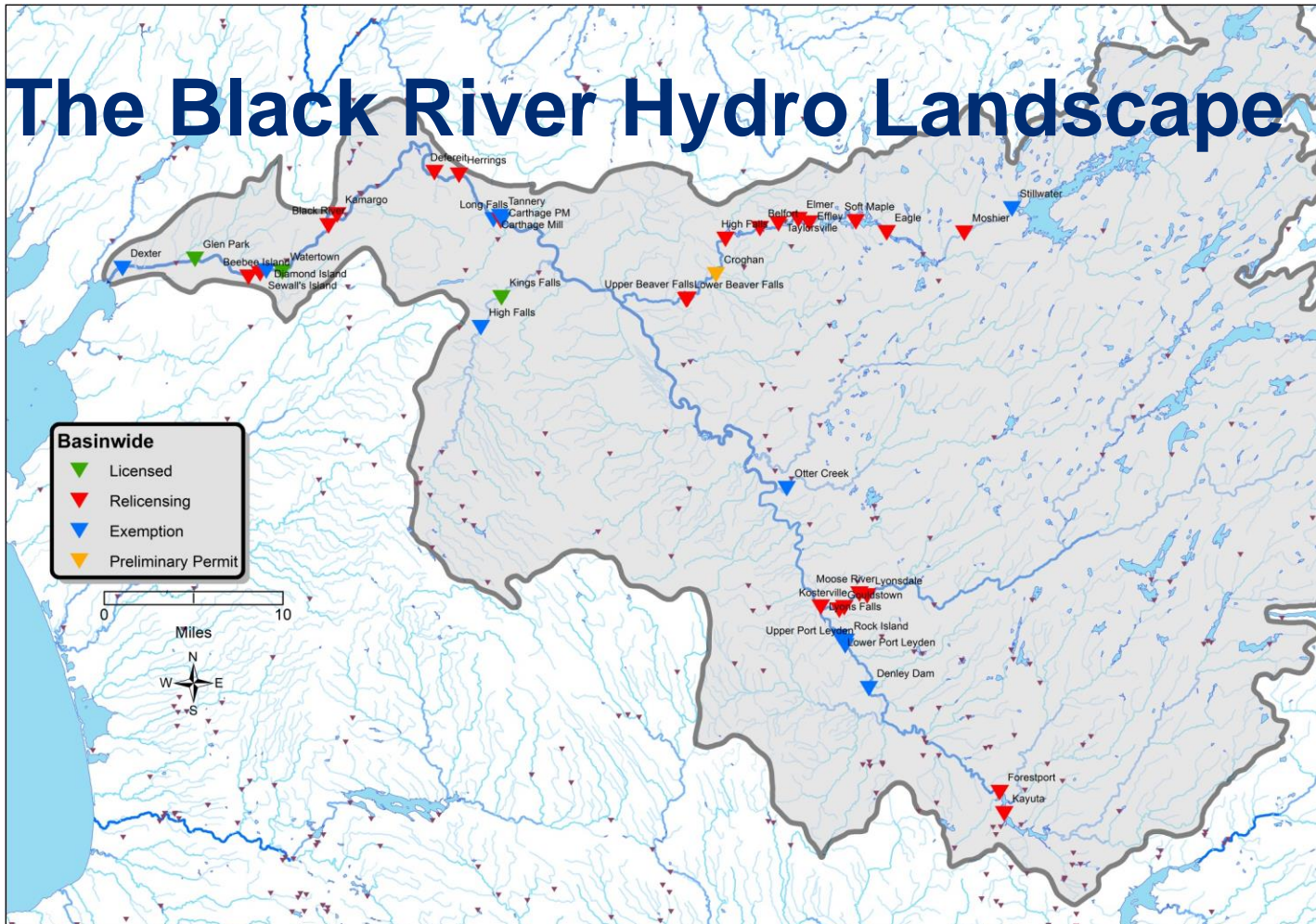
Impacts, Relicensing, and Participation

June 08, 2016

How Does a Hydro Turn Water into Power?



The Black River Hydro Landscape



Hydro Impacts

- Fish
- Water Quality
- Macro Invertebrates
- Wetlands
- Threatened and Endangered Species
- Invasive Species
- Historic/Archaeological Resources
- Recreation



Hydro Impacts on Recreation

- Fishing
- Boating/Paddling
- Whitewater
- Aesthetics



Upcoming Relicensings

- 2017 (2) – Upper and Lower Beaver Falls
- 2021 (1) – Carthage Papermakers
- 2023 (1) – Lyonsdale
- 2024 (1) – Kayuta
- 2026 (18) – Moose River, Lyons Falls, Black River, Beaver River, Beebee Island
- 2027 (1) – Forestport
- 2032-2036 (3) – Glen Park, Watertown, Kings Falls



Jurisdiction and Consultation



FERC – Federal Energy Regulatory Commission

- Federal Power Act
- The Commission, in addition to the power and development purposes for which licenses are issued, shall give equal consideration to the purposes of energy conservation, the protection, mitigation of damage to, and enhancement of, fish and wildlife (including related spawning grounds and habitat), the protection of recreational opportunities, and the preservation of other aspects of environmental quality.

Licensees are required to consult with:

- USFWS
- States
- Tribes
- Stakeholders



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Relicensing Processes

Three Options

- Integrated Licensing Process (ILP)
 - default, expensive, larger/controversial projects
- Traditional Licensing Process (TLP)
 - optional, cheaper, smaller/non-controversial projects
- Alternative Licensing Process (ALP)
 - less common, collaborative/flexible, used for complex or novel proceedings



Typical Timeline

- NOI/PAD – 5 years prior
- Study Plan – 4-5 years prior
- Settlement Negotiations – Any time, early is better
- Studies – 3-4 years prior
- Final License Application Due – 2 years prior
- License Expiration



Intervening

- What it means
- Who
- When
- How



Settlement Negotiations

- Why we do it
- What is on the table
- Who can be involved
- When it is done



Thank You

- Jessica Hart
- Environmental Analyst II
- 317 Washington St.,
Watertown, NY 13601
- jessica.hart@dec.ny.gov
- (315) 785-2246

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