



Getting to a Smarter Licensing Process

PRESENTED BY

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Free Flow Power's Business Lines



Acquire , improve, manage hydropower assets

Develop new hydropower on existing dams

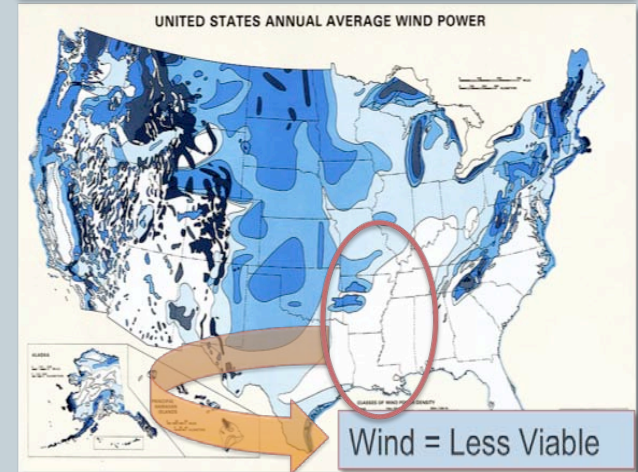
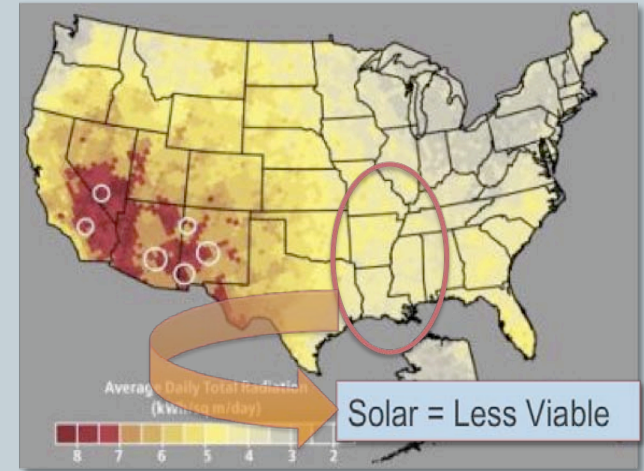
Develop hydrokinetic generation

Services businesses that complement other segments

Hydrokinetics in Rivers



- Hydrokinetic generators deployed on pylons in rivers in Mississippi River Basin
 - 80 sites on Mississippi River
 - 17 sites on Atchafalaya River (preliminary permits pending)
- Capacity for 500+ MW
- Projects meet regional demand for renewable energy



Initial Mississippi River Projects



5 ILP Projects

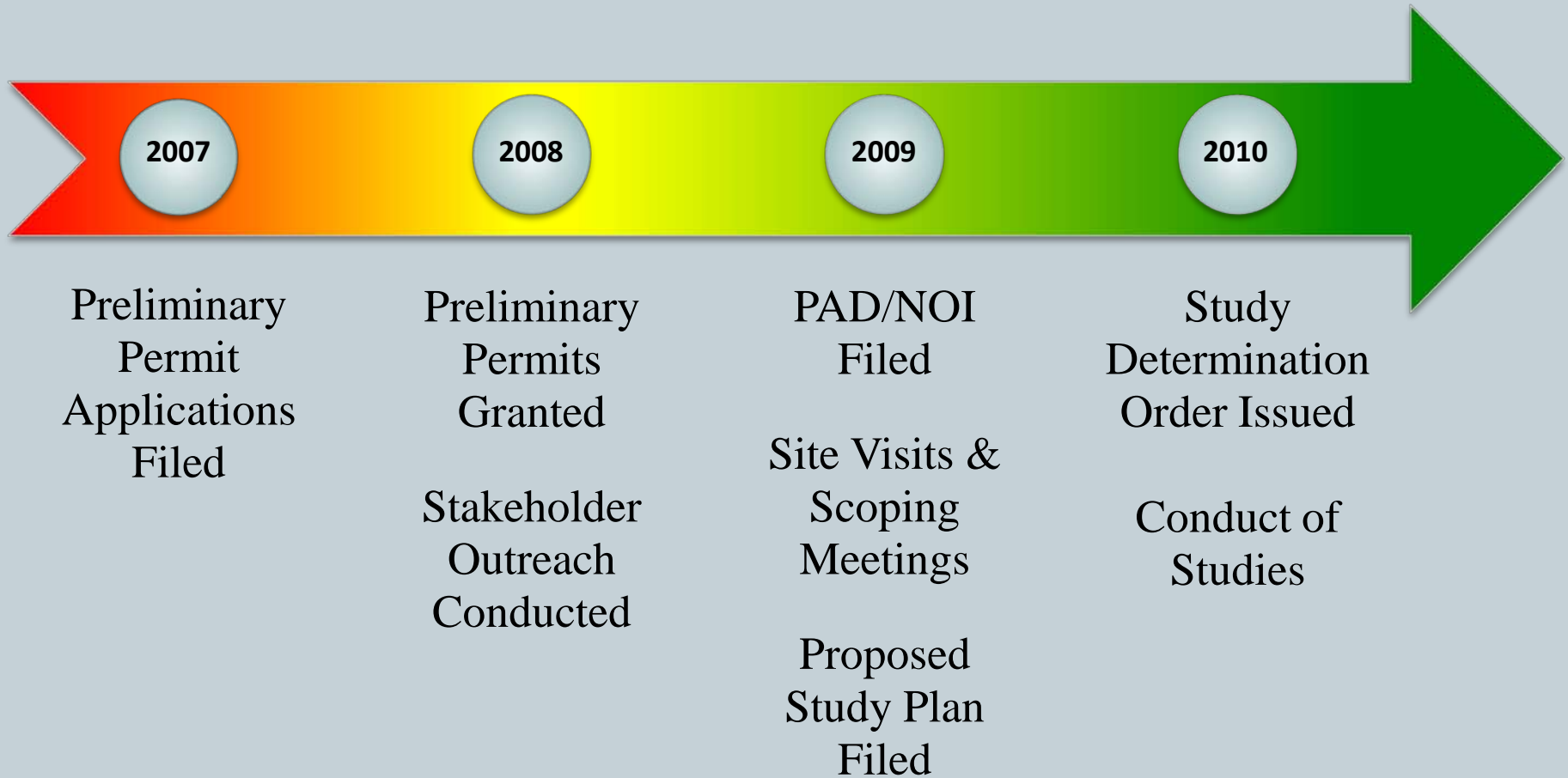
- Will utilize FERC's Integrated Licensing Process (ILP)
- "Lead sites"
- Representative of key characteristics
- Selected in consultation with Stakeholders



41 TLP Projects

- Will utilize FERC's Traditional Licensing Process (TLP)
- Requested waiver of ILP process with Pre-Application Document/Notice of Intent (PAD/NOI)
- Joint meetings and consultation for TLP held in conjunction with ILP process

Milestones on Initial Projects



FFP's SmarTurbine™ Generator



- Cost-effective design with single moving part
- “Smart” computer electronics for efficiency and maintenance
- Three-meter diameter
 - 10kW in 2.25 m/s flow
 - 40kW in 3 m/s flow



FFP's Goals for Licensing Process



- **Efficient**

- Avoid redundancy to minimize expense, volume of work
- Progress toward yes-or-no licensing decisions

- **Open and Transparent**

- Clear communication of deadlines and expectations
- Open dialogue among developers, agencies, Stakeholders

- **Comprehensive**

- Studies address concerns relevant to all Stakeholders
- Combination of site-independent studies and site-specific studies

Efficiency



- Single filings for multiple sites
 - Single PAD/NOI
 - 6-month progress reports
 - Study plans and quarterly reports
- Consolidated meetings and site visits
 - 5 scoping meetings held in New Orleans, Baton Rouge, Vicksburg, Memphis, and St. Louis
 - 4 study meetings organized by topic
- Designation by agencies of single points of contact
- Progress toward intra-agency coordination

Openness and Transparency



- Outreach to over 800 stakeholders detailed in PAD
 - Includes FERC-mandated list of agencies, states, and tribes, plus additional contacts to localities and NGOs
 - Full dockets available online at FERC's E-Library (<http://www.ferc.gov/docs-filing/elibrary.asp>)
- Detailed schedule of events and deadlines for filings/responses
- Early and ongoing discussion of issues encourages collaboration toward finding solutions

Comprehensiveness



- **Studies conducted at ILP projects will provide basis for FERC's EIS**
 - Infrastructure Siting Study
 - Hydraulic Study
 - Navigation Study
 - Damaged Turbine Recovery Study
 - Fish Entrainment, Population Sampling, Habitat Use, and Movement
 - Acoustic Energy Study
 - EMF Study
 - Vegetation, Wildlife Habitat, and Noxious Weeds Inventory
 - Rare, Threatened, and Endangered Species Study
 - Commercial Fishing and Recreation Study
 - Archaeological and Historical Resource Investigation
- **Data from site-independent studies will also be relevant for TLP projects**
- **Site-specific studies will be conducted at each site for information that must be addressed on a site-specific basis**

A “Smarter” Licensing Process



- The lengthy and arduous nature of the licensing process gives investors pause. Some potential partial solutions:
 - Roll other Agency approval processes clearly into FERC timelines
 - Revise current exemption process to allow for increased capacity (maybe 10 MW, rather than 5)
 - Increase the trigger for amendments as long as operational requirements are not materially affected
 - Create a “low impact” category for exemption

Contact Information



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