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Low-Impact Hydro – CO/FERC Agreement

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Governor's
Energy Office



Colorado New Energy Economy

17,000 jobs

NEE means business:

- Vestas, Siemens Wind, Abound, Ascent

4x Wind in 4 years

From 100 to 400+ solar companies

Legislation: 57 pieces

Renewable Energy Standard

House Bill 1001

- RES increase from 20% to 30%
- DG
 - ✦ Retail (behind the meter): <120%
 - ✦ Wholesale: <30 MW
- New RE market
 - ✦ 650 MW for Utility Scale projects
 - ✦ 500 MW for DG projects

RE Development Team

\$1 million – ARRA funds

Team of Experts

- Screen
- Technical and Financial Analysis
- Project Development
- Best Projects

DG – Five technologies

- Solar, Wind, Geothermal, Biomass, Small Hydro

Small Hydro Pilot Project

Potential under 2 MW: 1,400 MW

FERC/Colorado MOU

- Prescreen: low-impact, complete applications
 - ✦ Low-impact projects
 - ✦ Existing infrastructure (incidental hydro)
 - ✦ No increased stream diversions
 - ✦ Water rights, permits, licenses, etc.
 - ✦ No adverse effects: water, fish, cultural, etc.
- FERC: waive 1st and 2nd phases

Outline

Phases

- Initial Application
- Request for Detailed Information
- Resource Agency Consultation
- Completion of FERC application
- Submittal
 - ✦ Application
 - ✦ Letter of Approval

Resource Agency Consultation

Agencies

- ✦ US Fish and Wildlife
- ✦ Department of Wildlife
- ✦ Department of Public Health and Environment
- ✦ Division of Water Resources
- ✦ Historic Preservation Society
- Working before launch
- Quick turnaround
- Feedback

Overview

FERC

1st Phase of Consultation



2nd Phase of Consultation



3rd Phase of Consultation



Colorado

Application



Detailed Information



Agency Req Compliance



App Completion and Submittal

Outcomes

Limit: 20 projects

Program Assessment

Streamline Permitting

- Low-Impact/Incidental Hydro
- Within FERC framework

