Commercial Opportunities for Hydropower Projects
Northwest Hydroelectric Association
Aug 2019
Serving 1.9 million customers across 141,000 square miles in six Western states
  • Pacific Power serves customers in Oregon, Washington and California.
  • Rocky Mountain Power serves customers in Utah, Wyoming and Idaho.

Service areas includes Salt Lake City and a portion of Portland, but is largely rural

In 2017, hydro equaled 7.09% of our basic fuel mix. While renewables in general equaled 19.95%
Hydropower Facilities

Independent Power Projects
• 52 Facilities
• 309 MWs of capacity

Net Metering Projects
• 19 Facilities
• 885 kWs of capacity
Power Purchase Structures
Available Structures

Key Questions
- How large is the project?
- Is the facility located near load?

Large Qualifying Facility
- Above 10 MWs
- Non-standard rates
- Individually calculated using PDDRR methodology approved by the Public Utility Commission

Small Qualifying Facility
- Less then 10 MWs
- Standard Rates- Base Load

Net Metering Facility
- Co-Located with load
- Full retail reduction in kWh
Avoided Cost Computation

- Partial Displacement Differential Revenue Requirement
- Sufficiency period: Rates based on the market prices
- Insufficiency Period: Rates based on the cost of the deferred resource
- Sufficiency
  - Standard: Dec 2029
  - Renewable: Dec 2020
- Hydro Base Load Resource
  - No integration charges
New Developments

• 2019 Integrated Resource Plan
  • Avoided Cost pricing modified within 60 days of IRP Acknowledgement

• Blue Sky Select
  • Voluntary Renewables Program
  • Matching individual organizations and communities with renewable projects
  • RFPs for smaller scale projects
  • Low impact hydro