NLine Energy:
What We Do

Mission

• Harness **wasted energy** in existing infrastructure
• Create cost-effective **renewable electricity**
• Provide immediate **financial benefit** to customers

Overview

• 91% of Small Conduit Hydro Development in CA*
• 33% of Small Conduit Hydro Development in US*
• Association of California Water Agencies (ACWA)
  Approved Preferred Provider**
• Offices in CA, OR, and NH

*2013-pres. Approved FERC NOI Conduit Exemption filings by MW
**Competitive RFQ process (2010-2018)
## Oregon Hydro Purchasing Options

<table>
<thead>
<tr>
<th></th>
<th>Project Size</th>
<th>Enabling Legislation</th>
<th>Contract Length</th>
<th>RECs retained by owner?</th>
<th>Capital requirements</th>
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</thead>
<tbody>
<tr>
<td><strong>Corporate Ownership</strong></td>
<td>No Limit</td>
<td>Yes</td>
<td>N/A</td>
<td>Yes</td>
<td>Yes</td>
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<tr>
<td><strong>Utility Tariff</strong></td>
<td>Up to 10 MW</td>
<td>Yes</td>
<td>15-20 years</td>
<td>Yes</td>
<td>No</td>
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<tr>
<td><strong>PPA</strong></td>
<td>No Limit</td>
<td>Yes</td>
<td>Varies</td>
<td>Varies</td>
<td>Yes</td>
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<tr>
<td><strong>Direct Access</strong></td>
<td>No Limit</td>
<td>Yes</td>
<td>Varies</td>
<td>Varies</td>
<td>No</td>
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<tr>
<td><strong>Community Renewables</strong></td>
<td>Unknown</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td><strong>Community Choice Aggregation</strong></td>
<td>No Limit</td>
<td>No</td>
<td>N/A</td>
<td>N/A</td>
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</tr>
</tbody>
</table>
Hydropower Project Checklist

• **Project Type**
  - Dam
  - Run-of-River
  - Conduit
  - Hydrokinetic

• **Site Control**
  - Land Patent
  - Fee Simple
  - Right of Way
  - Easement

• **Land Planning**
  - US Forest Service
  - Bureau of Land Management
  - National Park Service
  - Sovereign Nation or Tribal Lands
  - State Dam Hazard Database

• **Water Rights**
  - Consumptive or Non-Consumptive
  - Senior status
  - Hydropower as a Beneficial Use

• **National Environmental Protection Act**
  - Biological
  - Historic
  - Cultural
  - Recreation
  - Aesthetics
  - Wild and Scenic

• **Clean Water Act**
  - 401 Permit – State Certificate of Water Quality
  - 404 Permit – Streambed alternation
  - 408 Permit – USACE facilities
Hydropower Project Checklist

- **FERC**
  - License
  - Exemption
    - Conduit
    - 10-MW Exemption
  - Qualifying Conduit Facility

- **US Bureau of Reclamation**
  - Lease of Power Privilege

- **FERC Qualifying Facility Certification**

- **Interconnection**
  - Transmission or Distribution Circuit
  - Wheeling Fees
  - Pre-Interconnection Application Report
  - Interconnection Agreement
  - Facilities and Financing Operating Agreement

- **State Renewable Portfolio Standard Certification**

- **Low Impact Hydropower Institute certification**

- **Federal ITC**

- **Section 242 Incentives**

- **Renewable Energy Credits**
Enjoy the Workshop