What’s New
At the Division of Hydropower Licensing

NWHA
Seattle, WA
February 2020
Topics

- Overview of DHL
- Work Load
- America’s Water Infrastructure Act
- Questions and Answers
Hydropower Program

Licensees
Resource agencies
Tribes
NGOs
Local stakeholders

LICENSING
DAM SAFETY

LICENSE ADMINISTRATION & COMPLIANCE
Division of Hydropower Licensing (DHL)

Director: Vince Yearick
Deputy Director: Nick Jayjack

Northwest Branch
David Turner, Chief
(202) 502-6091

West Branch
Timothy Konnert, Chief
(202) 502-6359

Midwest Branch
Janet Hutzel, Chief
(202) 502-8675

South Branch
Stephen Bowler, Chief
(202) 502-6861

New England Branch
Nicholas Tackett, Chief
(202) 502-6783

Mid-Atlantic Branch
John Smith, Chief
(202) 502-8972
Relicensing Applications
Due

<table>
<thead>
<tr>
<th>Fiscal Year</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
<th>2024</th>
<th>2025</th>
</tr>
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<tbody>
<tr>
<td></td>
<td>12</td>
<td>30</td>
<td>33</td>
<td>36</td>
<td>60</td>
<td>20</td>
<td>48</td>
<td>29</td>
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</table>

- **West**: 11%
- **Mid-Atlantic**: 21%
- **Northwest**: 9%
- **Midwest**: 18%
- **South**: 10%
- **New England**: 31%
Primary Process Selection
Considerations

- Complexity of resource issues
- Level of anticipated controversy
- Availability of information and potential for significant disputes over studies
Notices of Intent to Not Relicense/ Surrender

- 0 in 2014
- 0 in 2015
- 2 in 2016
- 5 in 2017
- 5 in 2018
- 10 in 2019
Surrendered Projects
2009 thru 2019

- 81 completed
- 12 under way
Preliminary Permit Applications Filed

- FY 2012: 150
- FY 2013: 118
- FY 2014: 83
- FY 2015: 94
- FY 2016: 85
- FY 2017: 48
- FY 2018: 29
- FY 2019: 55
Original License Applications Filed

- FY 2012: 17
- FY 2013: 17
- FY 2014: 22
- FY 2015: 5
- FY 2016: 6
- FY 2017: 3
- FY 2018: 3
- FY 2019: 5
Pending Preliminary Permits for Pumped Storage Projects

<table>
<thead>
<tr>
<th>State</th>
<th>Proposed Capacity (MW)</th>
</tr>
</thead>
<tbody>
<tr>
<td>AZ</td>
<td>12,050</td>
</tr>
<tr>
<td>CA</td>
<td>4,000</td>
</tr>
<tr>
<td>NM</td>
<td>600</td>
</tr>
<tr>
<td>NV</td>
<td>4,000</td>
</tr>
<tr>
<td>OR</td>
<td>600</td>
</tr>
<tr>
<td>UT</td>
<td>2,210</td>
</tr>
<tr>
<td>WV</td>
<td>4,000</td>
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<tr>
<td><strong>TOTAL CAPACITY</strong></td>
<td><strong>27,460 MW</strong></td>
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Source: FERC Staff, January 1, 2020
Pending Licenses and Relicensing for Pumped Storage Projects

<table>
<thead>
<tr>
<th>State</th>
<th>New Capacity (MW)</th>
<th>Total Capacity (MW)*</th>
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</thead>
<tbody>
<tr>
<td>CA</td>
<td>600</td>
<td>1,175</td>
</tr>
<tr>
<td>GA</td>
<td>0</td>
<td>216</td>
</tr>
<tr>
<td>MA</td>
<td>0</td>
<td>1,833</td>
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<tr>
<td>NY</td>
<td>240</td>
<td>240</td>
</tr>
<tr>
<td>SC</td>
<td>0</td>
<td>511</td>
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<tr>
<td>UT</td>
<td>300</td>
<td>300</td>
</tr>
<tr>
<td>WA</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>TOTAL</td>
<td>1,145 MW</td>
<td>4,280 MW</td>
</tr>
</tbody>
</table>

*Includes 3,135 MW of pumped storage capacity in relicensing.

Source: FERC Staff, January 1, 2020
New Pumped Storage

- Eagle Mountain (1,300 MW) CA
- Gordon Butte (400 MW) MT
- Swan Lake North (393 MW) OR
America’s Water Infrastructure Act of 2018

- Two-year licensing process for existing, nonpowered dams and closed-loop pump storage projects – issued April 18, 2019
- Licensing guidance for closed-loop pumped storage at abandoned mine sites – issued October 17, 2019
- List of existing non-powered federal dams – issued October 17, 2019
Questions?