



# TABLE OF CONTENTS



A Note from our Leaders	3
About LIHI	4
<ul> <li>Core Values</li> </ul>	6
<ul><li>Certification</li><li>Program</li></ul>	7
Pumped Storage	8
Financial Overview	9
<ul><li>Statement of Financial Position</li></ul>	10
<ul> <li>Statement of Activities</li> </ul>	11
Governance	12

# A Word From Our Leaders

2023 was a year of new beginnings, marked by growth, significant milestones, and strategic initiatives that will position the Low Impact Hydropower Institute to meet the needs of an evolving, climate-focused energy landscape.

One of our primary achievements has been initiating major projects to enhance our organizational framework and outreach. Notably, we began a comprehensive update of our handbook to better integrate Tribal considerations and ensure it reflects our commitment to inclusivity and cultural sensitivity. With feedback from industry stakeholders during the public comment period, we will refine our standards and process further.

Another cornerstone project we embarked upon is defining low impact Pumped Storage by incorporating clear, outcome-oriented, science- and knowledge-based goals for each potential impact area. This project is now in full swing, and we're working diligently with a team of volunteer, multidisciplinary subject matter experts to develop an industry definition for Low Impact Pumped Storage, which is ultimately, the first step toward a potential certification program.

In addition, we have agreed on a strategic path to explore international certification with the Hydropower Sustainability Alliance. This joint initiative underscores LIHI's global recognition as experts in environmentally sustainable energy production and the value of our certifications internationally while providing an opportunity to collaborate with partners with complementary strengths and offerings.

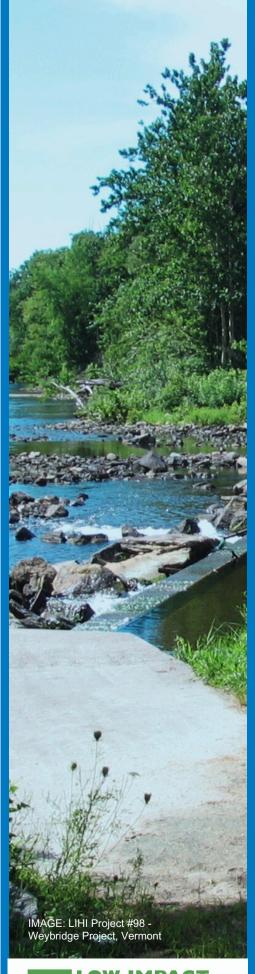
Recognizing the need for growth to meet LIHI's evolving role in promoting sustainable hydropower, the board approved the creation of two new positions. These roles specifically aim to expand our educational offerings and increase the value we provide to our certificate holders. We believe these additions will support our mission and drive our strategic objectives forward.

As we continue to build on these foundational projects to meet the global demand for sustainable energy standards, we remain committed to fostering organizational excellence while ensuring conversations on hydropower development include voices from historically marginalized communities.

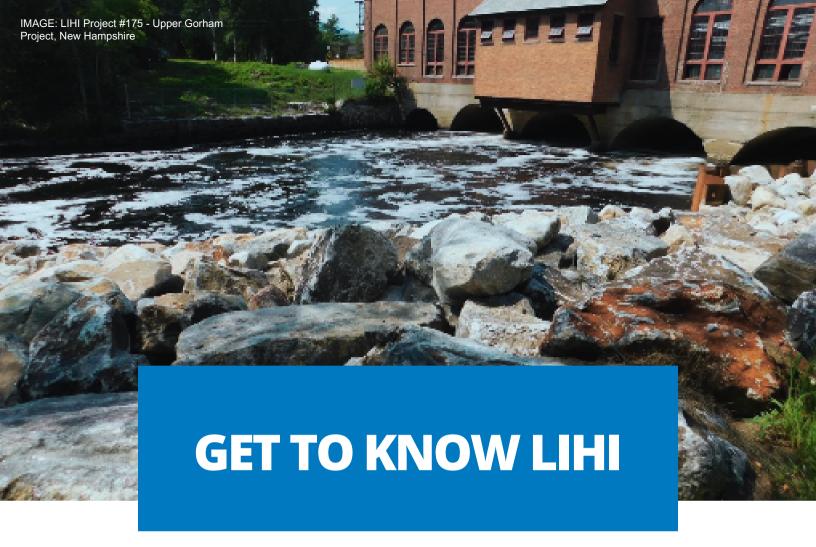
Brenda Pracheil, Board Chair

Bruk My Partie

Shannon Ames, Executive Director







The Low Impact Hydropower Institute (LIHI) is a non-profit 501(c)(3) organization that seeks to reduce the impacts of hydropower generation by certifying hydropower projects that have avoided or reduced their environmental impacts pursuant to the Low Impact Hydropower Institute's criteria.

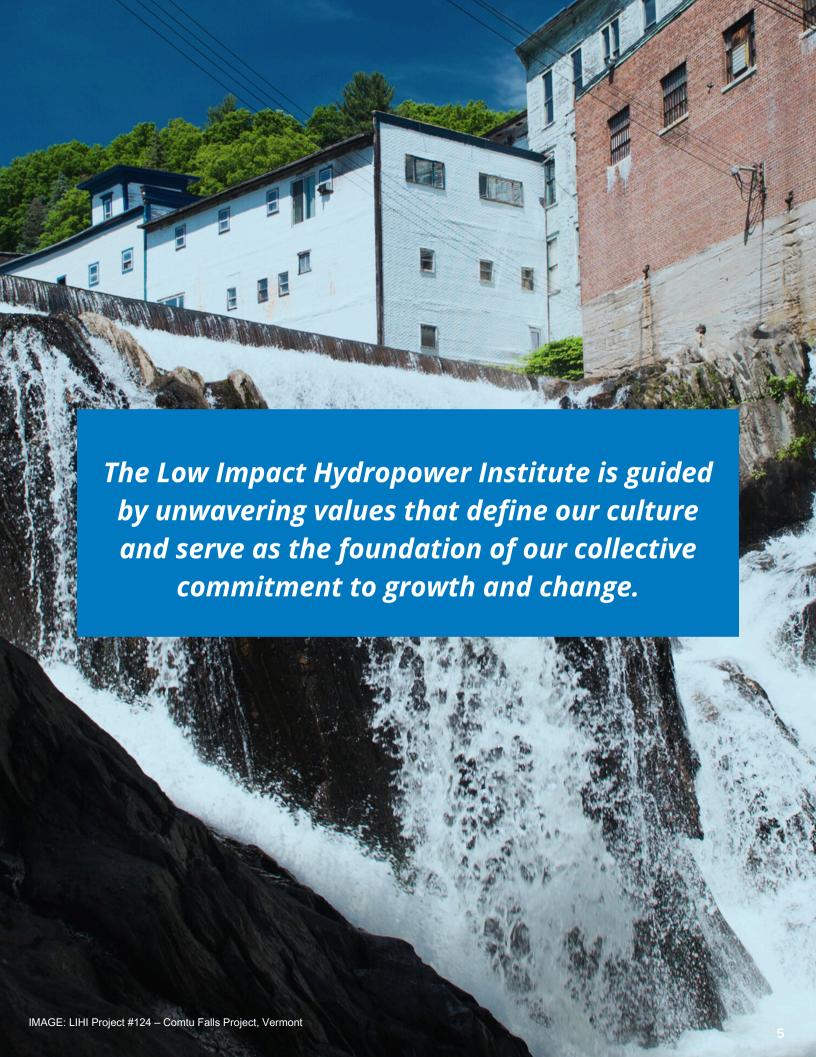
### **VISION**

We envision a world where hydropower puts people and the environment first.

### **MISSION**

We recognize and support hydropower that prioritizes environmental, recreational, historical, and cultural resource protection.

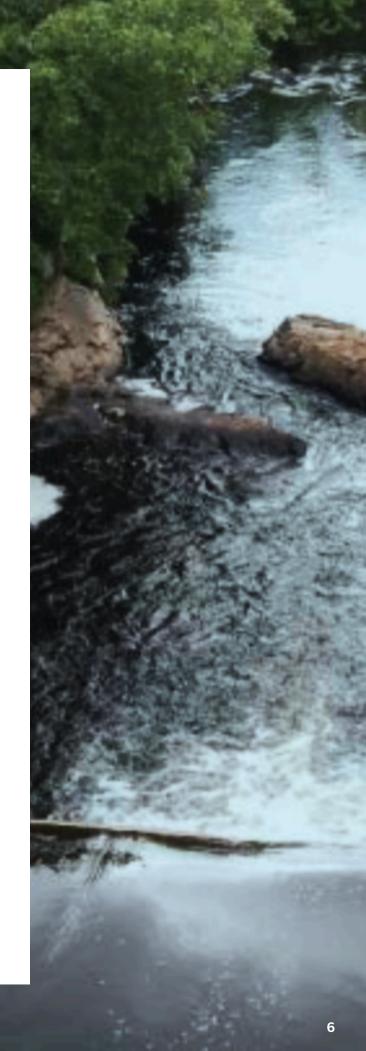




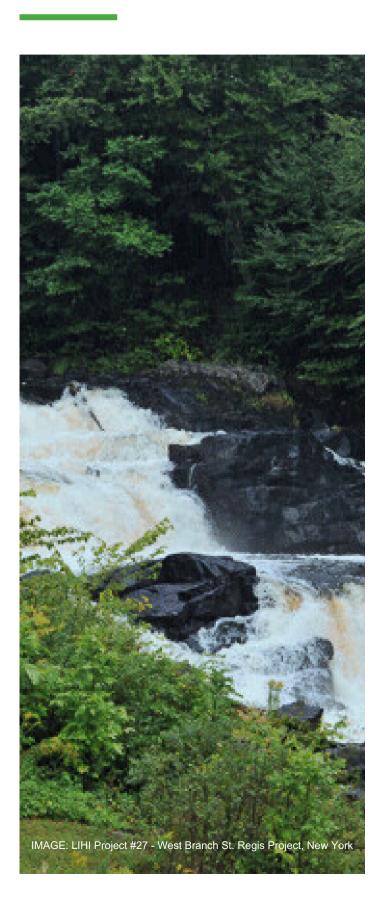
## LIHI'S

## **CORE VALUES**

- Water Stewardship: Natural flowing waters are essential to healthy life on earth. We strive to protect water's natural, social, and cultural values.
- Low Impact Hydropower: Hydropower can operate in a low impact way that ensures ecosystems and human communities can thrive. We support Low Impact hydropower that achieves this goal as a valuable resource in the clean energy transition.
- Transparency: Transparency builds trust and fosters accountability. We seek public input and communicate openly and honestly about the considerations underlying our decisions.
- **Integrity**: Inclusivity and consistency lead to higher quality outcomes. We value different viewpoints and approach our decisions with neutrality, devoid of personal interests or external pressures.
- Data-driven: Quality information leads to better decisions. To ensure our actions are grounded in science and reason, we rely on data, facts, and evidence, and we evolve if new information calls for change.
- Collaboration: Common ground and shared goals are the path to progress. To do this, we encourage kind, open, and candid conversations with all individuals and organizations regardless of affiliation. We value and actively seek diverse perspectives to build mutual understanding and enduring connections.



# CERTIFICATION PROGRAM



# WHAT IS LIHI CERTIFICATION?

LIHI Certified® hydropower assures consumers that their hydropower-based electricity has been independently verified as being protective of river habitat and resources, while giving owners access to regulatory and voluntary power markets that can provide a return on their environmental and social investments.

**184** Certificates Active in 2023

in **24** states, on **101** rivers, and **13** canal systems.

Annually, they supply nearly **4,500 MW** of capacity and **16,700 GWh**of electricity.

### **CRITERIA & STANDARDS**

Applications for Low Impact Certification are evaluated using a consistent, hierarchical set of eight criteria, goals, and standards. All criteria and their respective goals must be satisfied, but the alternative standards are designed to be flexible enough to be applicable to the wide range of conditions that can occur at different hydropower facilities in different river systems.

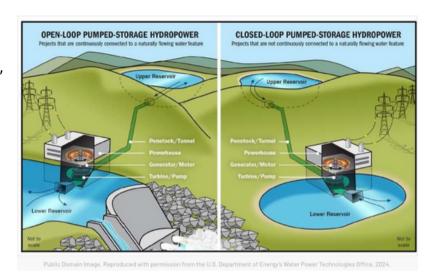
In 2023, we issued our

200th

Certificate for the small 300-kW Monroe Drop project in Oregon, owned by Natel Energy.

# PUMPED STORAGE HYDROPOWER PROJECT

Through direct invitation and public solicitation, LIHI has assembled a volunteer, multidisciplinary team of subject matter experts to develop detailed criteria for Low Impact Pumped Storage utilizing dialogue, information sharing, research, and public comment.



Expert domains include water, land, and river science and conservation; tribal knowledge and experience; cultural and historic preservation; environmental and social justice; hydropower policy; energy grids and markets; and project development and operations.

The criteria will be developed over a two-year timeframe through online and inperson meetings and public comment.

Once final, the collective criteria will form a new definition for "low impact pumped storage" that could be used as a framework for new projects and proposals.

The definition would create a foundation for considering the establishment of a Certification program for Low Impact Pumped Storage. Based on the definition and this process, the LIHI Governing Board will make a decision on whether to create a new program. If the decision is to move forward, a proposal will be broadly disseminated for public review and comment, and modified based on feedback, prior to the new program's implementation.

The Defining Low Impact Pumped Storage Project is made possible by support from the William and Flora Hewlett Foundation.

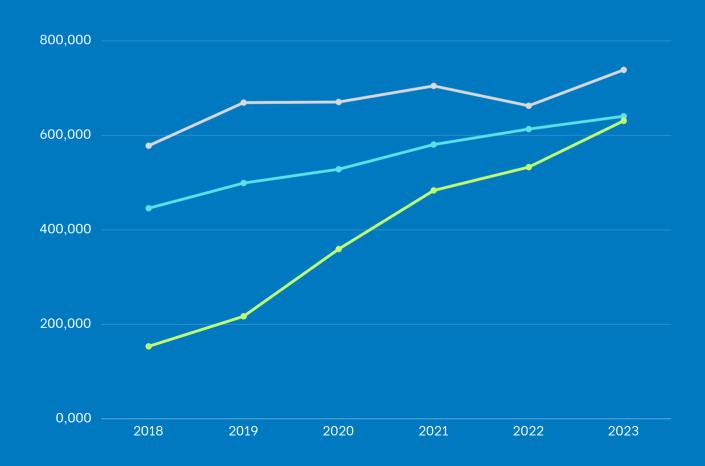


# **Financial Overview**



LIHI continues to grow steadily in alignment with the organization's strategic plan. Though expenses increased, revenue grew more, mostly powered by increased annual fee income, donations, interest, and dividends.





# Statement of Financial Position

As of December 31,		2023		2022
<u>Assets</u>				
Current Assets				
Cash and cash equivalents	\$	149,753	\$	156,450
Accounts receivable		89,340		44,608
Investments		490,682		383,842
Other current assets		3,098	_	1,756
Total current assets	_	732,873	_	586,656
Non-Current Assets				
Website		10,057		10,057
Less accumulated amortization		(10,057)	_	(10,057)
Total non-current assets		-		-
Total Assets	\$	732,873	\$_	586,656
Liabilities and Net Assets				
Current Liabilities				
Accounts payable	\$	1,272	\$	12,919
Accrued expenses		20,579		12,238
Deferred revenue		80,180		28,708
Total current liabilities	_	102,031	_	53,865
Total liabilities		102,031	_	53,865
Net Assets				
Without donor restrictions		630,842		532,791
Total net assets	_	630,842	=	532,791
Total Liabilities and Net Assets	\$	732,873	\$	586,656

# **Statement of Activities**

	2023		2022	
\$	597,781	\$	554,044	
	73,554		103,046	
	27,577		14,048	
	4,895		5,785	
	14,587		(18,272)	
	20,231	_	4,065	
	738,625		662,716	
	488,109		430,730	
	142,987		182,636	
_	9,478	_		
	640,574		613,366	
	98,051		49,350	
	532,791		483,441	
\$	630,842	\$_	532,791	
		\$ 597,781 73,554 27,577 4,895 14,587 20,231 738,625 488,109 142,987 9,478 640,574 98,051 532,791	\$ 597,781 \$ 73,554 27,577 4,895 14,587 20,231 738,625 488,109 142,987 9,478 640,574 98,051 532,791	

## **Governance**



### **Governing Board**

#### **BRENDA PRACHEIL**

Board Chair, Technical Committee, Executive Management Committee (Chair) Pacific Northwest National Lab, WA

#### JULIE MCNAMARA

Board Vice-Chair, Policy Committee (Chair), Nominations Committee Union of Concerned Scientists, MA

#### LISA ZAREK

Board Treasurer, Finance Committee (Chair) Brookfield Renewable (retired), FL

#### **RICK GLICK**

Board Secretary, Policy Committee Davis Wright Tremaine (retired), OR

#### **JULIE GANTENBEIN**

Director, Technical Committee Water & Power Law Group, CA

#### T.J. HEIBEL

Director, Technical Committee
Pacific Northwest National Laboratories, DC

#### MARK ZAKUTANSKY

Director, Technical Committee (Chair) Appalachian Mountain Club, PA

#### **NATALIE GRIFFITHS**

Director, Technical Committee Oak Ridge National Lab, TN

#### **DAVE STEINDORF**

Director, Technical Committee American Whitewater, CA

#### **VICKI TAYLOR**

Director, Executive Management Committee Catawba-Wateree Relicensing Coalition, NC

#### **KELLY CATLETT**

Director, Policy Committee American Rivers, CA

#### **NALNEESH GAUR**

Director PricewaterhouseCoopers, TX

#### JEN RYAN

Director, Policy Committee
MA Department of Fish and Game, MA

#### **TED WISE**

Director, Technical Committee
Oregon Department of Fish and Wildlife (retired),
WaterWatch Oregon, OR

#### **MARK BEVELHIMER**

Director, Technical Committee
Oak Ridge National Lab (retired), Tennessee Citizens
for Wilderness Planning, TN

#### **Staff**

#### **SHANNON AMES**

**Executive Director** 

#### **MARYALICE FISCHER**

Certification Program Director

#### **SURABHI KARAMBELKAR**

Policy Director

#### WHITNEY STOVALL

Communications Manager

#### WHITMAN CONSTANTINEAU

Administrative Manager

## **Governance**

## Hydropower IndustryAdvisors

#### **ELIZABETH ABLOW**

Seattle City Light, WA

#### **SARAH HILL-NELSON**

Bowersock Mills Hydroelectric Project, KS

#### **MADELEINE MINEAU**

Essex Hydro, MA

#### **DEB MALIN**

Bonneville Power Administration, OR

#### **DAN PARKER**

45 North Renewable Energy LLC

#### **JON PETRILLO**

Gravity Renewables, RI

#### **SANIA RADCLIFFE**

Portland General Electric, OR

#### JOHN RAGONESE

Great River Hydro, NH

#### **STEVE ZURETTI**

Brookfield Renewable Energy Group, MA

#### **TODD WYNN**

Hull Street Energy, MD

#### **TIM WELCH**

US. Department of Energy (retired), DC

#### **KELSEY RUGANI**

Kearns & West, CA

#### **Executive Advisors**

#### RICHARD ROOS-

**COLLINS** 

Water and Power Law Group, CA

#### **DAVID YOULEN**

Eagle Creek Renewable Energy, NJ

#### **SHAWN SEAMAN**

Power Plant Research Program, MD

#### **JACK PALMER**

Kleinschmidt (retired), DE

# Renewable Markets Advisors

#### **PHILIP RAPHALS**

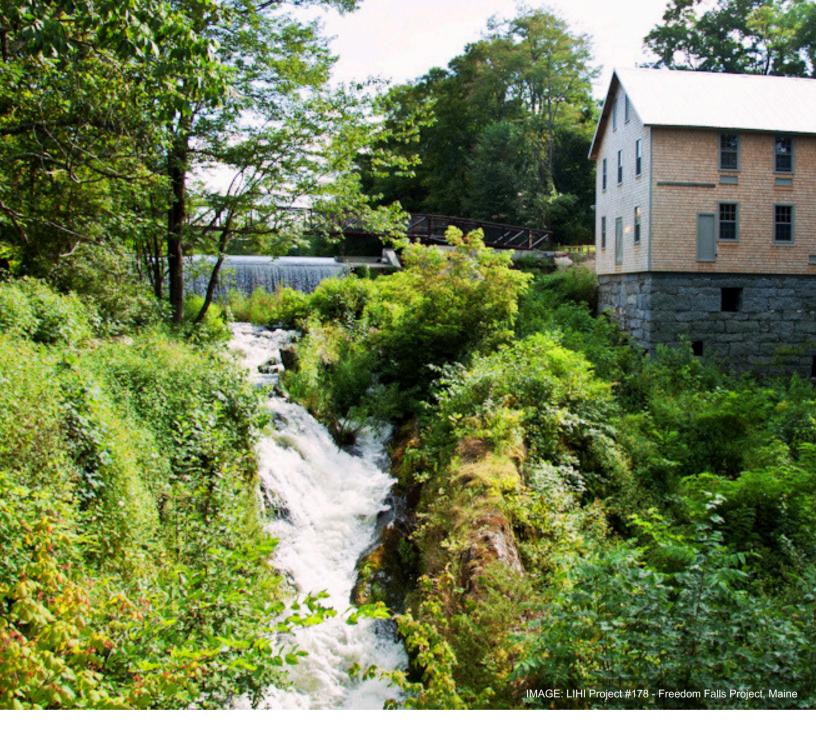
Helios Centre, QC

#### JONATHAN BURNSTON

Karbone, NY

#### JENNIFER MARTIN

Center for Resource Solutions, CA



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All photos are of LIHI certified hydropower plants. LIHI reserves the right to share and distribute images for promotional purposes.







