

## NHA Study Highlights

### *Job Creation Opportunities in Hydropower*

#### Key Highlights

##### Capacity by 2025

- **60,000MW** of new capacity
- **160,000MW** installed
- **400,000MW** potential capacity

##### Jobs by 2025

- **300,000** jobs now
- **1.4 million** jobs created by U.S. hydro industry

#### Background

In early 2009, the National Hydropower Association commissioned Navigant Consulting, Inc., to conduct a study examining the hydropower industry's job-creation and capacity-growth potential.

Navigant's assessment confirmed what Energy Secretary Stephen Chu recently described as an "incredible opportunity" to develop America's "lowest-cost energy option."

The results demonstrate the industry's extraordinary potential to expand its contribution to the country's energy, environmental, and economic goals: Hydropower can create 1.4 million cumulative jobs and add 60,000 megawatts of affordable, domestic, renewable energy by 2025.

#### Approach

The study examined hydropower's growth under a "business as usual" scenario and under a national policy of 25% renewable generation.

Both cases: **Big gains for American consumers and workers.**

#### Findings

The study examined the industry's potential under two different scenarios:

- "Business as usual" where national policies mandate 10% renewable generation
- "Accelerated case" with a 25% renewable generation requirement

Both scenarios also assume existing federal and state incentives for renewable energy development, such as tax incentives and state RES programs, remain in place.

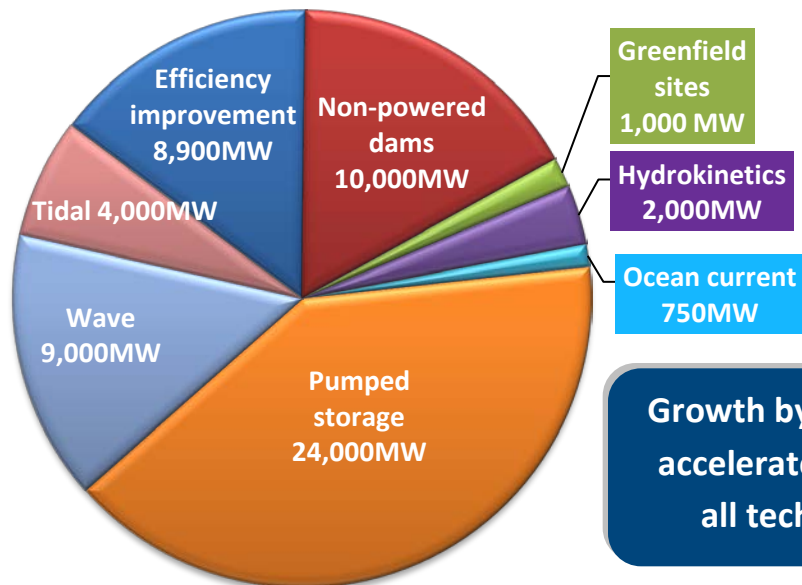
Under both scenarios, the U.S. hydropower industry has the potential for developing significant new clean energy resources and creating hundreds of thousands of good-paying, family-supporting new jobs:

<i>U.S. hydro growth</i>	<i>New hydro capacity</i>	<i>New direct, indirect, and induced jobs</i>
<b>"Business as usual"</b>	23,300 MW	<b>480,000</b>
<b>Accelerated case</b>	60,000 MW	<b>1,400,000</b>

## Technologies

America's largest renewable resource, hydropower is a proven technology. Leading the growth in the industry are new innovations at existing hydro sites, new applications at non-powered dams and pumped storage- often without large new dams.

## Capacity Growth by Technology

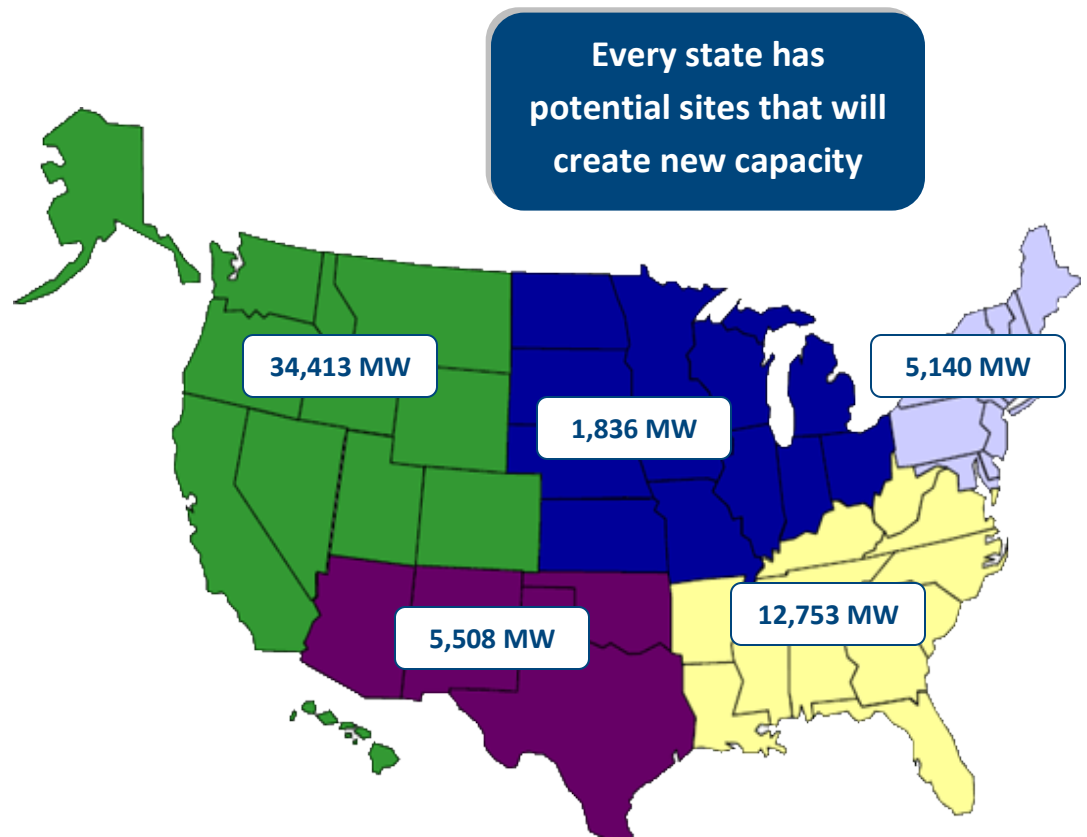


## All Regions Benefit

New technologies are unlocking the waterpower potential of every region of the country.

As new technologies become available, the U.S. hydropower industry will consider development at additional environmentally and economically feasible sites.

## Capacity Growth by Region



## Nationwide job growth

The U.S. hydropower industry will create new, family-supporting jobs in every region of the country.

More than 1.4 million domestic jobs will be created by 2025.

## Job Growth by Region

The U.S. hydropower industry can create 1.4 million jobs (cumulative) by 2025

