



DEMONSTRATE DEPLOY DECARBONIZE

Looking back on Deploy23.
Moving forward to Deploy24.

Introduction

Deploy23 was the first annual gathering across the private sector, government, and the broader ecosystem dedicated to accelerating the deployment of critical energy and decarbonization technologies in the United States.

The event featured unique discussions (Deploy Dialogues) and learning sessions (Circuits), and Plenaries that created intimate, challenging, roll-up-your-sleeves opportunities for cross-sector problem solving around domestic deployment of clean energy.



“Now we’re at an inflection point. We have a chance to not only even the score with our economic competitors, but to dominate the future... We’ve become the world’s most powerful economy because our public and private sectors have long been able to partner at critical moments, to strike a balance between our roles, and to figure out how to share risks and maximize opportunities.”

Jennifer H. Granholm

Secretary, U.S. Department of Energy

[Watch the video](#)





“I’m a firm believer that we have the best innovators in the world. Now we need to improve our private and public partnership to bring those technologies to relevant scale...In short, we are private sector led and government enabled.”

Jigar Shah

Director, Loan Programs Office
U.S. Department of Energy

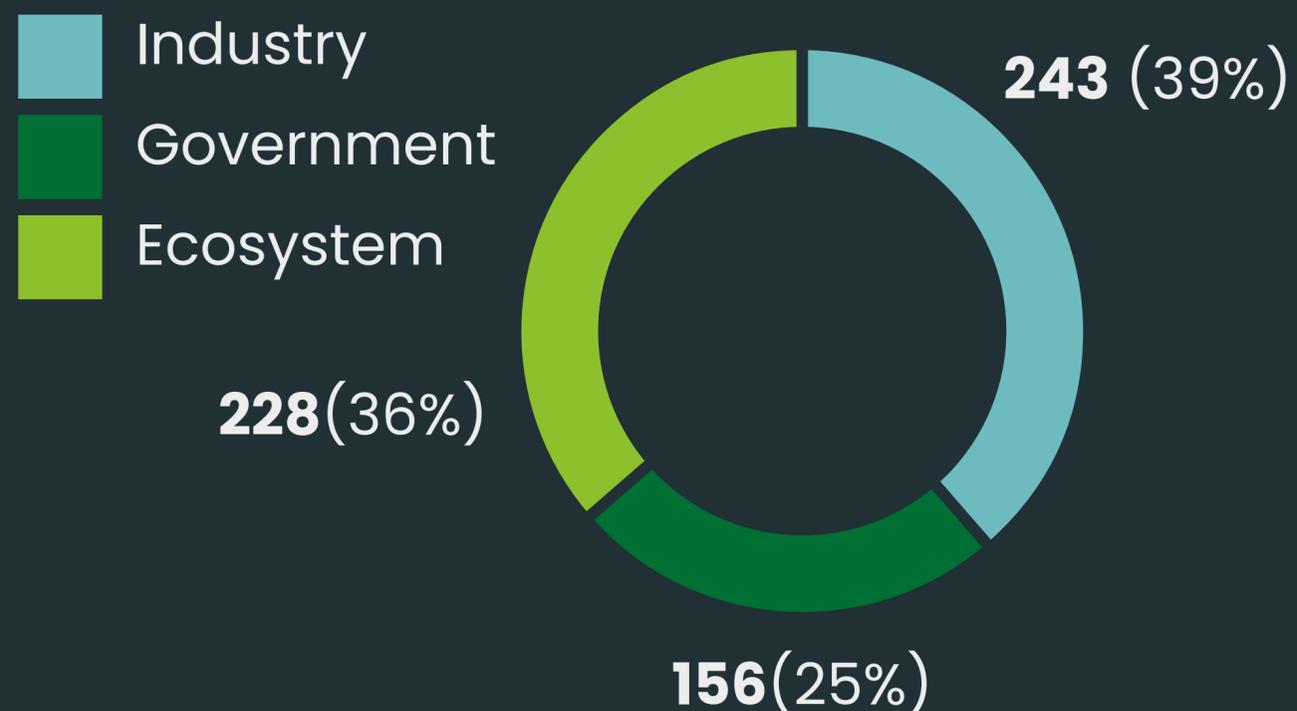
[Watch the video](#)

Deploy23 by the numbers

627 total participants

94
speakers

250
meetings



65
sessions

2
days

31 Offices of the Federal Government

325+ Participating Organizations

Deploy23 participating organizations



1898 & Co.	Arup	Catalyst Energy Partners	Department of Energy, Energy Storage Validation	Department of State	Exelon Utilities
8 Rivers	Aspen Aerogels	Cellink Corporation	Department of Energy, Fossil Energy & Carbon Management	Department of Treasury	ExxonMobil Low Carbon Solutions
Accenture	Atlas Agro	Center for American Progress	Department of Energy, Grid Deployment Office	Desktop Metal	e-Zinc
ACRE Incubator	AtmosZero	Charm Industrial	Department of Energy, Hydrogen and Fuel Cell Technologies	DG Fuels	Fervo Energy
AES	AutoGrid Systems	Cirba Solutions	Department of Energy, Joint Office of Energy and Transportation	DIF Capital Partners	Form Energy
Air Liquide	Aveva	CJ Lake	Department of Energy, Loan Programs Office	Distributed Sun	Fortera
Air Products & Chemicals	Azimuth Capital Management	CleanFiber	Department of Energy, Manufacturing and Energy Supply Chains	Dividend Finance	FuelCell Energy
Air Protein	Babcock & Wilcox	CleanTech Alliance	Department of Energy, Office of Carbon Management Technologies	Dream.Org	Fullway House
Aircapture	Baker Tilly	Climate Risk Partners	Department of Energy, Office of Clean Energy Demonstrations	Dvele	Galvanize Climate Solutions
AirMiners	Ball Corporation	Climeworks	Department of Energy, Office of Energy Jobs	Earthshot Foundation	Galway Sustainable Capital
AJW	Barclays Bank	Conifer Infrastructure Partners	Department of Energy, Office of Policy	Ecosphere Ventures	Generac
Akin Gump Strauss Hauer & Feld	BASF Corporation	Constellation Energy	Department of Energy, Office of Technology Transitions	Edgewise Energy	General Service Administration, Technology Transformation Services
Align Infrastructure / Trillium H2Power	Bipartisan Policy Center	Consulate General of Canada, Boston	Department of Energy, Office of the Secretary of Energy	EFI Foundation	Generate Capital
Allegheny Science & Technology	Blackhorn Ventures	Coreshell	Department of Energy, Office of the Under Secretary for Infrastructure	Electric Era	Generate Upcycle
Alliance for Tribal Clean Energy	BlueOvalSK	CPower	Department of Energy, Office of the Under Secretary for Science & Innovation	Element Fuels	Geno
Alliant Energy	Blueprint Power	C-Quester	Department of Energy, Solar Energy Technologies Office	Elemental Excelsator	GlassPoint
Alternative Transmission	Boston Consulting Group	Credit Suisse	Department of Energy, State and Community Energy Programs	Elysian Carbon Management	Glencore
Aluminum Technologies	Boundary Stone Partners	Crusoe	Department of Energy, State, Local, Tribal and Territorial Policy	Energetic Insurance	Global CCS Institute
Amazon	Brimstone Energy	Current Hydro	Department of Energy, Water Power Technologies Office	Energy Impact Partners	Global Counsel
Ambient Fuels	Buddefly	Cyient	Department of Energy, Wind Energy Technologies Office	Energy Innovation	GM
Ambient Photonics	C3 Accelerator	D4IR		Energy Transition Capital Management	Google
Ambri	CalWave Power Technologies	Danimer Scientific		Energy Transition Finance	Great Plains Institute
Ameresco	Canoo Technologies	Deep Science Ventures		ENTEK	GreenPower Motor Company
American Clean Power Association	Carbon America	Deloitte		Energy	Grid United
Ample	Carbon Direct	Dentons		EPC Power	Guggenheim Partners
Anovion Technologies	Carbon Engineering	Department of Commerce		EQT Corporation	Haddington Ventures
Antenna Group	Carbon Planet	Department of Commerce, CHIPS Program Office		ERI	Hamilton Clark Sustainable Capital
Antin Infrastructure Partners	Carbon180	Department of Defense		Es La Energia	HASI
Antora Energy	CarbonBuilt	Department of Energy, Energy Efficiency and Renewable Energy		Ever.green	Heirloom Carbon Technologies
Ara Partners	CarbonCapture			Evergreen Action	High Noon Advisors
Aris Water Solutions	Carbonvert Inc.			EVgo	Hilltop Renewables

Deploy23 participating organizations



Holland & Knight	Last Energy	Moxion Power	Pressure Corp	Solugen	UBQ Materials
Holtec International	Launch Alaska	Nacero	Public Utility Commission of Texas (PUCT)	Sonnen	Urbix
Homecoming Capital	LDNR	Natel Energy	Ramboll	Sparkfund	US Foods
Honu Hoku Advisors	Leap	National Cleantech Fund	Recurve	Spring Free EV	US Wind
Hover Energy	LevelTen Energy	National Grid	Redwood Materials	SRADCO	Utility Global
Hy Stor Energy	Li-Cycle	National Hydropower Association	Relyion Energy	SSAB Americas	Vale USA
Hycamite TCD Technologies	Lilac Solutions	NET Power	Renewable Thermal Collaborative	Storagenergy Technologies	VEIC
Hydrogen Technologies	Linde	New Energy Nexus	Resilience Capital Ventures	Strategic Management Group	Veriten
ICF	Local Solar for All	New Waters Capital	RiKarbon	Stripe Frontier	Virent
InductEV	LongPath Technologies	NextEra Energy Resources	Rio Tinto	Sublime Systems	Viridi
ING	Los Angeles Cleantech Incubator	NGA	Rise Light & Power	Sunnova	Vistra
Institute for Global Sustainability, Boston University	Lot Sixteen	Niron Magnetics	Rivian	Sunrun	Voltpost
Intellectual Energy	Louisiana Department of Natural Resources	NOVONIX	RMI	SunShare	Volvo
International Association Of Iron Workers	Louisiana Economic Development	Noya	S&P Global	Sunwealth Power	Vrinda
International Brotherhood of Electrical Workers (IBEW)	Lovelace Energy Advisors	NREL	Savills	Sustainable Development Capital LLP (SDCL)	Wabash Valley Resources
Intersect Power	LyondellBasell Chemical Company	Nth Cycle	Scale Microgrids	Swell Energy	Wabtec
Invenergy	Magis Development	NU Engineering	Schneider Electric	TeraWatt Infrastructure	WCSUS
J.P. Morgan	Mattiq	Nucor Corporation	Sea Change Talent	Tesla	Wells Fargo
Janney Montgomery Scott	Metals Acquisition	Nuveen Green Capital	Shifted Energy	TETRA Technologies	White House, Council on Environmental Quality
Jefferies	Metis Endeavor	Oakinpine	Siemens	The AES Corporation	White House, Office of Science and Technology Policy
JERA Americas	Microsoft	Obsidian Investment Partners	Sierra Club	The Alta Group	Willkie Farr & Gallagher
JPMorgan Chase	Minnesota Department of Commerce	Office of the Chancellor, California State University	SJF Ventures	The Anschutz Corporation	WindRun Strategies
Just Transition Fund	Mission Possible Partnership	OGCI Climate Investment	Skyven Technologies	The Brattle Group	WVS Companies
KCK Group	MIT	OhmConnect	SLB	The Mobility House	YSG Solar
Kevala	Mitsubishi Corporation	OIC	Smart Electric Power Alliance (SEPA)	The Ray	ZeroAvia
Keyframe Capital	Mitsubishi Power Americas	Orbis Electric	Smart eMobility	Thistle Blue	ZumRE Power
Kilpatrick Townsend & Stockton	MN8 Energy	Orennia	SoCalGas	Trousdale Ventures	
King Energy	Montana Renewables	Origin Materials	Societe Generale	truCurrent	
KOLanzaTech	Monument Advocacy	Portland General Electric	Solar Energy Industries Association	Tulsa Innovation Labs	
	Mosaic	PosiGen	SolFuture	TVA - Clinch River Project	
	Mote	Prelude Ventures	Soltage	Twelve	

Deploy23 supporters

These organizations supported the mission of the inaugural Demonstrate Deploy Decarbonize conference to accelerate the deployment of critical energy and decarbonization technologies.

PETA

The Earthshot Foundation

TERA

AutoGrid
AVEVA
Schneider Electric

GIGA

ENTEK
Holland & Knight
J.P. Morgan
Utility Global

MEGA

Canoo
Cirba Solutions
Galway Sustainable Capital
KORE Power
NET Power
Orennia
Ramboll
UBQ Materials

KILO

Akin
Dentons
Energy Transition Finance
Goodlynx
HamiltonClark
NextEra Energy Resources
Nucor
Siemens

INNOVATION SPARK

Ambient Fuels
Babcock & Wilcox
Budderfly
ERI
General Motors
Mattiq
NOVONIX
Savills
Scale Microgrids
Sublime Systems
Trousdale Ventures
Veriten

INAUGURAL HOST

Cleantech Leaders
Climate Forum

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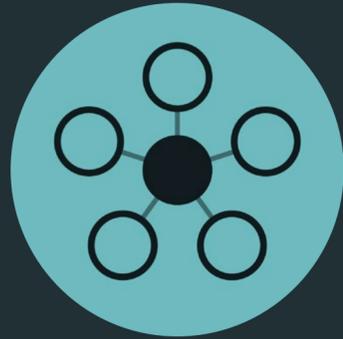


PLENARIES

Four core thematic sessions, featuring notable guest speakers, addressing large themes and big ideas.

- ▶ **Countdown:** Scope and scale of opportunity, where we are today, and what needs to happen in the future.
- ▶ **Challenge:** Formidable obstacles that must be overcome to advance against our collective goals.
- ▶ **Transform:** Shifting problem set from incremental change to systems-level transformation.
- ▶ **Next:** What are our next steps and actions to take now.





CIRCUITS

Circuits were held in smaller groups, with presentations and conversations focused on the critical areas of energy affordability, climate action, and decarbonization.



- ▶ US Government Deployment Toolkit
- ▶ Show Me the Money: DOE's BIL/IRA
- ▶ Navigating DOE and LPO
- ▶ Strengthening American Supply Chains
- ▶ Community Benefit Plans and Philanthropy
- ▶ DOE Liftoff and Earthshot Initiatives
- ▶ Shaping Policy Execution



PATHWAYS TO LIFTOFF TALKS

DOE is working to accelerate clean energy technologies from the lab to market to achieve net-zero emissions by 2050. [The Pathway to Commercial Liftoff initiative](#) has researched and published a series of Liftoff Reports to create a common fact base and a tool for ongoing dialogue with the private sector on achieving widespread market adoption.

- ▶ **Countdown to Liftoff:** Introducing the Pathways to Commercial Liftoff effort led by the DOE's Office of Technology Transitions. [View the video.](#)
- ▶ **Clean Hydrogen:** Building on the growing momentum for reaching a goal of using 10 megatons of clean hydrogen by 2030. [View the video.](#)
- ▶ **Industrial Decarbonization:** The myths and realities of achieving our 2050 goals. There are deployable opportunities in every industrial sector and decarbonization lever. [View the video.](#)
- ▶ **Virtual Power Plants (VPPs):** In reevaluating our approach to meeting the rising demand for electricity, how VPPs (aggregations of distributed energy resources) offer an alternative and more efficient approach. [View the video.](#)





DEPLOY DIALOGUES

At Deploy23, the DOE launched a series of closed-door conversations around Liftoff reports and sectors, the Deploy Dialogues.

Since Deploy23, DOE has brought the Deploy Dialogues to private sector convenings across the country - from Houston to NYC, from Las Vegas to Morgantown, WV.



Deploy Dialogues held at Deploy23:

- ▶ Carbon Dioxide Removal
- ▶ Industrial Decarbonization: CCS
- ▶ Industrial Decarbonization: Chemicals and Refining
- ▶ Industrial Decarbonization: Heat
- ▶ Industrial Decarbonization: Procurement and Buy-Side Initiative
- ▶ Grid Modernization
- ▶ Virtual Power Plants

Select findings

The DOE published anonymized summaries of individual insights from the Deploy Dialogues held at Deploy23. [View the full report.](#)

- ▶ There is no “one” solution. All solutions are context and technology dependent.
- ▶ Better coordination and communication critical for building trust between DOE, the private sector, and advocacy groups.
- ▶ For VPPs, need to socialize benefits, not just costs.
- ▶ Targeted interventions can support regulatory agencies at all levels that do not have the technical expertise or the capacity to handle the growth in applications for projects.



#DEPLOY24

Fueling the Future of Decarbonization

Deploy24 builds on the success of 2023, to accelerate momentum by fostering trust, understanding, and shared commitment across sectors. The event is designed with interactive programming that promotes information and idea sharing, robust dialogue, and debate. You will:

- Discover the latest advancements in clean energy technologies.
- Engage with industry leaders, policymakers, innovators, and investors at the forefront of the energy transition.
- Participate in interactive sessions on the immediate challenges and opportunities to scaling up clean energy technologies.
- Explore potential partnerships and collaborations to build momentum for your projects and priorities.
- Emerge with new ideas, new relationships, and a plan of action.

December 4-5, 2024

Walter E. Washington Convention Center,
Washington, DC

Join us and be part of the
conversation to shape the
future of America's clean
energy economy.

Learn more: deploytogether.com

Contact us: info@deploytogether.com

Information contained current as of 08.15.24



#Deploy24

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