



**advanced power**

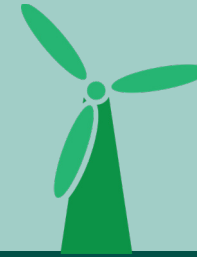
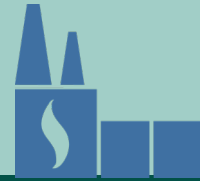
**2024 ESG  
Sustainability Report**







# A Message From our CEO



**Thomas Spang**  
Chief Executive Officer

## Advancing a Sustainable, Reliable Energy Future

2024 delivered dynamic change in energy forecasts. The surge in projected energy demand is led by significant growth in data center development, the continuing electrification of the U.S. economy, Artificial Intelligence (AI), and population shifts. As demand for energy increases, supporting that growth with new energy supplies that support our vision for a sustainable energy future remains an Advanced Power priority.

Just a short decade ago, electric load growth in the U.S. was considered relatively flat, growing at a rate of approximately 0.5% annually. The opportunity for independent power producers had been largely focused on replacing retiring coal plants, notorious for heavy emissions, with lower-emitting facilities. Advanced Power's approach to energy development has consistently reflected our belief that a mix of low-carbon and renewable energy resources is the best way to balance the need for reliable power while driving toward a sustainable and reliable energy future.

In 2024, data centers consumed about 4% of U.S. electricity supplies. According to a study by the Electric Power Research Institute (EPRI) released this year, that number will grow annually and range between 4.6% to 9.1% of U.S. electricity generation by 2030.

Projected overall load growth beyond 2030 is estimated to range between 3.7% and 15% per year. Even at moderate load growth projections equating to just 7%

compounded annually, US electricity demand would double in 10 short years. That is an additional 491.3 gigawatts (GW) of needed new generation capacity. These projections represent a significant and urgent challenge for all who depend on reliable energy – which is all of us.

## How Growing Demand Affects Our ESG Sustainability Strategy

What does this mean for Advanced Power's approach to ESG? Our development strategy has long reflected the necessity of reliable energy to society. Traditionally, we consider social responsibility mostly in terms of volunteer hours and donations. While these things remain important, the dangerous implications of having inadequate electricity supplies on society and communities must also be considered.

Some less-than-ideal suggestions proposed for meeting surging energy demand include delaying the shutdown of coal plants currently slated for retirement. Displacing these facilities with highly-efficient, combined-cycle natural gas turbine (CCGT) facilities, has been the greatest driver of lower emissions from the energy sector over the past decade. The displacement of coal plants with high-efficiency CCGT facilities actually shifted the transportation sector beyond the energy sector as the greatest producer of CO<sub>2</sub> emissions in the US.

Others propose a resurgence of nuclear power, which, despite its zero-carbon emissions, poses other major challenges,

such as siting and disposal of radioactive waste that remains hazardous for thousands of years.

At Advanced Power, we remain pragmatic in our belief that until innovators deliver dispatchable energy sources with fewer environmental impacts, the best energy options to ensure reliable electricity with the fewest emissions remain:

1. Greater amounts of renewables;
2. Energy storage and modern peaking units; and
3. High-efficiency baseload electricity supplies produced through CCGT facilities and clean-burning, domestically available natural gas.

As you review this year's ESG Sustainability Report, you will continue to see our belief that a mix of low-carbon and renewable energy resources is the best way to balance the need for reliable power while driving toward the sustainable energy future to which we remain committed.





# About this Report

We are pleased to present Advanced Power's fourth Annual ESG Sustainability Report. This report aims to provide a comprehensive overview of our environmental, social, and governance (ESG) initiatives for the 2024 reporting year unless otherwise noted. It covers all of our global operations and includes data and insights from January 1, 2024, to December 31, 2024. We assure report content through an internal review process including executive, ESG Committee and subject matter expert review and approval.





# About Advanced Power

Advanced Power is an independent power producer. Our company mission is to be a developer, manager and owner of independent, modern power projects in the U.S. and globally with a vision of advancing a sustainable and reliable energy future through cleaner generating facilities.

We have successfully developed 6.3 gigawatts (GW) of low-carbon and renewable projects, including 3.2 GW produced from highly efficient natural gas facilities and zero-emitting photovoltaic (solar) generation assets, which we currently manage. Our projects in active

development, which refer to projects in various stages of development, including those in late stage feasibility, total 8 GW of new energy facilities, encompassing solar/photovoltaic, no-carbon Battery Energy Storage Systems (BESS), and high-efficiency natural gas baseload and peaking projects.

Advanced Power projects and facilities generate power for U.S. regions needing cleaner, more reliable energy. Each project is developed and managed to create value for the communities selected to host our facilities. Our projects stimulate economic growth, create employment opportunities,

and support local communities while providing reliable energy through a mix of renewable, low-carbon, and no-carbon energy sources.

As the needs and goals of the energy industry have evolved, so has our company. Our commitment as an industry leader in the development, financing, and management of utility-scale independent power projects has progressed with changes in technology and priorities and will continue to do so.



## Advanced Power at a Glance

20+ year track record of successful projects developed, managed and sold, with additional projects currently in development: **14.3 GW**

Fully integrated IPP with world class demonstrated expertise in Solar, Wind, CCGT and Storage sectors

Demonstrated ability to connect institutional and strategic equity investors to high quality projects on behalf of 75+ equity partners

3.2 GW managed Assets



8 GW Active Development Pipeline



3.1 GW Developed and Divested Projects







# Our Core Values

We are proud of our 20-year track record of developing electric-generating projects and managing them through financing, construction, and operations. This is a significant way we differentiate ourselves from other independent power producers: we offer energy solutions through a one-stop approach.

At Advanced Power, we are creating a reliable, sustainable energy future by prioritizing Environmental Responsibility, Social Responsibility, and Ethical Governance. We embed these ESG principles in our corporate culture and view energy reliability as essential in applying our five core values.

## Health and Safety



Safety is a top priority. We are uncompromising in our commitment to the health and safety of our employees, suppliers, and the communities we serve. We require individual accountability and expect all employees in our offices and at our project sites to adhere to our safety standards while actively participating in advancing our health and safety practices. We recognize reliable energy as foundational to the health and safety of each person and community.



## Environmental Responsibility



Environmental Responsibility is essential to our decision-making. We are committed to the rapid reduction of global emissions by displacing inefficient, heavily emitting power plants with low- and no-carbon power infrastructure that mitigates climate change and environmental impacts while ensuring energy reliability. We recognize that reliable energy runs vital infrastructure like water and wastewater treatment facilities that enhance community environments. We intend to thrive while simultaneously improving the environment.



## Community Involvement



Community Involvement is a long-term commitment. We believe it is our responsibility to enhance the communities we serve. We do that by creating jobs, sourcing local materials, generating tax revenues and ultimately, by being a good neighbor. Our support focuses on the improvement of community resources, environmental betterment, and support for science-related education.



## Value Creation



Value Creation is critical to our stakeholders. By empowering our employees, we create opportunities for our partners, suppliers, shareholders, and those same employees to participate in the creation of a sustainable energy future. We continue looking for value-creation opportunities throughout the life of our assets by being entrepreneurial, innovative, and flexible, focusing on the three pillars of value creation: financial, commercial, and technical.



## Ethics



Ethics is the base upon which the rest of the business is built. 'Open,' 'honest,' and 'transparent' are keywords used daily. We expect all our employees and stakeholders to act with the highest ethical standards.







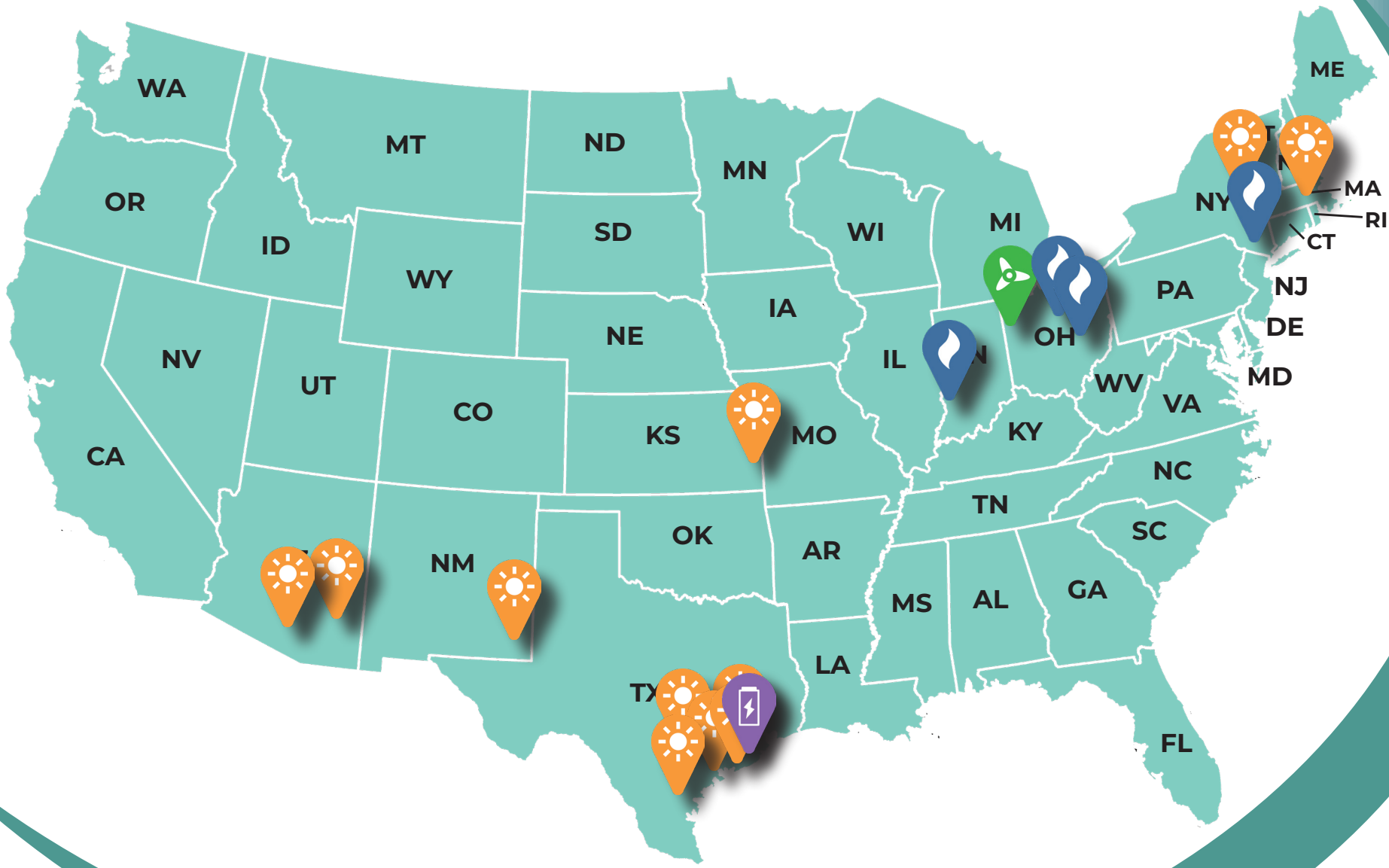
# Environmental Responsibility

The displacement of high-emitting electric-generating facilities with renewable, no-carbon, and low-carbon ones is central to our commitment to environmental responsibility strategies. Our project portfolio merges modern, efficient technology with domestically sourced renewable and low-carbon energy sources.

The most significant driver of reduced energy sector emissions since 2000 and still today, has been the displacement of coal as a major electric-generating fuel, and our portfolio of projects completed and in development has supported this trend.







# Diversified Power Resource Solutions

Advanced Power is committed to advancing a sustainable, reliable energy future. Our strategic pipeline of projects includes a mix of renewable, no-carbon, and low-carbon power sources to meet forecast dramatic growth in energy demand dependably, safely, and efficiently. While renewables are the fastest-growing power source in the U.S., the technology to address their intermittency is still evolving. In this context, renewables, supported by cleaner-burning and domestically available natural gas, will best keep U.S. electricity supplies stable and reliable.



 Solar
  Wind
  Natural Gas
  Battery Storage





# Our Development Strategy

Minimizing our environmental impact while ensuring energy reliability are key themes in our development strategy. We are developing projects in regions where the gap between electricity needs and supplies is greatest. Our strategic pipeline of projects in Texas, Kansas, Arizona, New Mexico, and Indiana includes a mix of renewable and low-carbon power sources, including battery energy storage systems, to meet forecast growth dependably, safely, and efficiently.

## Projected Energy Demand and Environmental Impact

U.S. electricity needs are projected to rise over the coming decades to reach approximately 5.2 Terawatt hours by 2050 – an increase of roughly 27%, relative to 2021<sup>1</sup>. The environmental implications of meeting this energy demand responsibly and reliably are significant.

Some proposed solutions to meeting growing energy demand now include:

- Adding more nuclear energy, which is zero-carbon but has siting and radioactive waste disposal challenges.
- Delaying the shutdown of aging, heavily emitting coal plants now slated for retirement.

Yet facts show that the most significant decrease in power sector emissions has occurred through displacing aging coal plants with modern natural gas facilities. Consider that in 2023, carbon dioxide emissions within the energy sector have continued to decrease, despite increases in electric demand. Simultaneously, power generation from coal decreased<sup>2</sup>. Advanced Power's mission of displacing high-emitting energy sources with low-carbon ones remains relevant and crucial.

Continuing to design and develop state-of-the-art natural gas projects, including CCGT, modern peakers, and other emerging technologies, also provides additional low-carbon and reliable baseload power, enabling more coal-fired generation to retire and more renewable capacity to be built.

We also know newer and cleaner energy solutions lie around the corner, and Advanced Power is well-positioned to explore the technology and infrastructure advancements that align with advancing a sustainable, reliable energy future.







# Feasibility Planning

Our commitment to excellence is reflected in our thorough feasibility and site evaluation process. Throughout that process, sites are selected not only by their accessibility to interconnection infrastructure, which is critical, but also by alignment with our Core Values. We know that each state and energy region has unique goals and priorities, as do the various load-serving entities within their footprint.

We follow a specific process for evaluating and selecting our energy project sites whether for Solar, CCGT, Simple Cycle Peaker, or BESS facilities. It includes consideration of several factors: energy demand, distance from transmission infrastructure, existing land use, wetlands, and floodplains.

We coordinate with landowners and several state and federal agencies early and often throughout the feasibility process to conduct further studies, apply for all necessary permits, and strategically design and refine the project for successful completion.

The study, design, and permitting processes can take up to several years. They address themes related to environmental health and project compatibility with existing land use and infrastructure, such as: stormwater management, native vegetation management, vulnerable species assessments, viewshed impact studies, and cultural & historical reconnaissance.

These measures support the protection of vulnerable species and their habitats, contributing to the long-term health of our ecosystems.

## Strong, Local Relationships

Advanced Power is a company built on strong relationships, and we take pride in our honest, thorough, and community-oriented development processes. We strive to make sure our projects bring value to communities and to those who become our partners and investors. We take a “community knows best” approach to connecting with local people during site identification and development activities, and this approach continues through construction and operations.

We value the recommendations of economic development organizations, environmental advocates, chambers of commerce, local government, and other state agencies. We know these entities best understand the unique aspects of a community. We foster positive relationships with local stakeholders as part of our commitment to being a good neighbor because we want each project to reflect the character of its host community.





# Leading the Way with Solar Energy

Solar power is the fastest-growing renewable energy source in the U.S.<sup>3</sup> Our pipeline of renewable power projects includes utility-scale solar in regions with growing energy needs and where the power of the sun is most abundant.

Solar energy helps make the electric grid more reliable, often when the demand for electricity is greatest. The sunniest days in Texas and the Desert Southwest are also among the hottest – that’s when cooling systems are working hardest, and the demand for electricity is greatest. During the 2024 Texas heatwaves, power grid managers credited solar power with helping to keep the lights on in regions where electricity supplies were strained<sup>4</sup>.

Utility-scale solar facilities are cost-effective to operate and have low upkeep costs, meaning they can help stabilize or decrease a region’s overall energy costs. They also do not require a water supply to operate, which provides a benefit to dry regions with limited water resources. At the same time, solar produces zero direct emissions, improves air quality by displacing electricity generated from emitting power sources, and promotes U.S. energy independence.

A commitment to reducing carbon emissions and promoting a healthier environment drives the Advanced Power team.

## Our Solar Pipeline

Advanced Power currently has 1.8 GW of solar energy projects in active development within Texas, Kansas, and the Desert Southwest – enough electricity to power more than 200,000 homes, with an additional 1.5 GW in late-stage feasibility. Our solar projects are often co-located with battery energy storage systems (BESS). Co-locating these different energy facilities maximizes the use of the project footprint and the existing points of interconnection. Through our solar initiatives, we are playing a direct role in building a cleaner, more sustainable energy future.

## Actively Managed Solar

Cutlass Solar: 140 MWdc



## Solar in Active Development

Eldora: 241 MWdc

Alina: 220 MWdc

Verdin: 270 MWdc

Calypte: 355 MWdc

Kingbird: 166 MWdc

Dahlia Energy: 195 MWdc

Avena: 400 MWdc







# Addressing Peak Demand

A key challenge for today's power system operators is managing periods of peak demand. Advanced Power's project pipeline includes BESS and modern natural gas peaking facilities to supplement grid reliability during periods when energy demand spikes or renewable supplies may fluctuate.

## Battery Energy Storage Systems

In addition to solar, BESS projects are at the top of the U.S. energy project development queue.<sup>5</sup> Advanced Power is currently developing standalone and co-located lithium-ion BESS projects, totaling roughly 1.7 GW in active development with an additional 1.5 GW in late-stage feasibility.

BESS aids in smoothing electric demand fluctuations, reduces the need for additional coal-based power, enhances grid stability, and, in turn, allows for more consistent integration of renewable energy sources. Advanced Power's standalone BESS and co-located BESS facilities are designed to

provide arbitrage services, meaning batteries are charged when demand is low and then dispatched by grid operators when needed.

## Modern Gas Peakers

The modern natural gas peakers in Advanced Power's active development pipeline are highly flexible and operate more efficiently than older peakers that run on other fuel sources like diesel or jet fuel. Advanced Power's peaker facilities are proposed in areas with growing amounts of renewable energy, growing demand, and convenient access to natural gas facilities. The average age of existing U.S. peakers is 22-years old, while our proposed gas peakers are designed with more stringent emissions standards and typically feature Nitrous Oxide (NOx) and Carbon Monoxide (CO) emissions control equipment. They come "out-of-the-box" ready to comply with the newest Environmental Protection Agency standards regarding carbon emissions.



## Standalone BESS projects in Active Development

Rock Rose: 200MW/2hr (400MWh)

Elio: 200MW/2Hr (400MWh)

## Co-located BESS projects in Active Development



Alina BESS: 200MW/2hr (400MWh)

Verdin BESS: 250MW/4Hr (1000 MWh)

Calypte BESS: 200MW/2Hr (400MWh)

Kingbird: 133MW/4hr (532MWh)

Dahlia: 100MW/2hr (200MWh)

Pinyon: 200MW/2Hr (400MWh)

Avena: 200MW/4Hr (800MWh)





# The Importance of Natural Gas to a Reliable Power Grid

While solar and BESS may hold 2024’s top spots for new project types in the U.S., the intermittency of these technologies still poses a challenge for the “always on” nature of the grid. Datacenter and AI technologies require 24x7 power availability. Solar power remains unavailable at night or when the sun is not shining, and long-duration BESS technology is still evolving. Wind power, another major renewable energy source, also poses challenges when the air is still.

The power industry awaits innovators who can deliver a dispatchable energy source with fewer environmental impacts and provide essential continuous power. In the meantime, we believe renewables, supported by cleaner-burning and domestically available natural gas, remain the best energy source to provide the constant, baseload power essential to our modern lives.

Natural gas has been and remains the most significant driver of reduced energy sector emissions in the U.S. and around the globe. Therefore, high-efficiency natural gas facilities are best suited to fill urgent U.S. energy capacity shortfalls as demand increases. CCGTs can provide 24/7 power and be readily sited, constructed, and placed into operation in a fraction of the time compared to other baseload power solutions.

## Efficiency and Environmental Benefits

Advanced Power’s combined-cycle gas turbine (CCGT) facilities are among the cleanest in the country. Located in New York and Ohio, these facilities produce 65% fewer

emissions than traditional coal plants. Our state-of-the-art natural gas facilities use highly efficient technology requiring less fuel and resulting in significantly fewer emissions. Our facilities provide efficient generation from a small footprint and are capable of providing the same constant power as traditional fossil-fuel plants, but with much lower discharge, waste, and water usage.

Although natural gas is not emission-free, CCGT facilities produce 40% less carbon dioxide and 90% less sulfur dioxide and nitrogen dioxide than coal plants. It’s our belief that displacing electricity generated by coal with cleaner power produced by natural gas remains a key strategy to address forecast load growth in the power sector.

In 2024 alone, our highly efficient CCGT facilities generated over 18.1 M MWh of electricity, equivalent to powering 2.7 M homes, and helped avoid 10.2 M CO<sub>2</sub> emissions – equivalent to taking 2.2 M passenger vehicles off the road.



Carroll County Energy



Cricket Valley Energy



South Field Energy





# Social Responsibility

As an independent power producer, Advanced Power employees view our mission to develop clean, reliable electric facilities that ensure adequate electricity supplies as paramount to social responsibility. Reliable power is critical to the health, safety, and economic viability of people and communities. Our commitment to social responsibility focuses on supporting our communities while maintaining a workforce that supports that mission and our other core values.







# Our People

Our success at Advanced Power comes from our team of 71 talented individuals. Each person brings unique skills, knowledge, and passion to their role.

Our leadership team understands the importance of maintaining employee engagement and motivation within the workforce. Our commitment to a shared vision of a sustainable, reliable energy future and each other drives our success.

## Cultivating the Workforce

In 2024, Advanced Power fostered a positive and engaged workforce and company culture by focusing on a flexible work environment, professional development, and value creation. We encourage employee participation in internal and external development opportunities. We believe that engaging and benchmarking with industry peers strengthens individuals and teams. During 2024, 33% of Advanced Power employees participated in 23 external conferences designed to increase our technical and professional knowledge. We consider an investment in these activities to be an investment in the healthy growth of the company.

In 2024, we launched an internal series of Lunch and Learns to increase cross-functional awareness, camaraderie, and a systems-thinking approach across the company. Although participation in these 10 internal education sessions was optional, each presenter was supported and encouraged through the participation of more than 30% of their Advanced Power teammates.

## Work-Life Balance and Competitive Compensation

Advanced Power monitors industry compensation standards to ensure our pay, benefits, and incentives

stay competitive. Employees have the flexibility to work remotely when the need arises enabling employees to balance their work and personal lives. This flexibility has contributed to a noteworthy 89% staff retention rate this year.

## Maintaining Our Talent Pool

Cultivating a talent pool is essential for creating a sustainable and reliable energy future. We focus on several key strategies:

- We attract emerging talent through educational outreach and internship programs that connect us with local schools and universities.
- We prioritize ongoing professional development by enhancing workforce training.
- We actively seek employee feedback, using their insights to drive meaningful changes within the organization.

## Annual Safety Training for Employees

With Safety as an Advanced Power core value, annual safety training is required for all employees. In 2024, mandatory first-aid training was presented by a third-party safety firm. Optional CPR and AED training was also provided, with 42% of employees earning or renewing their American Red Cross certifications.





# Community Involvement and Giving Back

Community involvement is an Advanced Power core value. Aside from our primary mission of generating clean, reliable power within regions that host our facilities, we strive to deliver other tangible community benefits.

We contribute tax revenue and charitable donations of time and money to support the community. We significantly benefit the local communities we work in through Payments in Lieu of Taxes (“PILOT”) Agreements. The tax revenue supports local schools, towns, counties, and states. To further our support beyond this program, our site managers and employees

continue to have a hands-on approach to ensure we do the right things by seeking out more ways to help the community. In 2024, our charitable donations and PILOT contributions totaled \$6.9 million.

We take pride in being good neighbors, ensuring our projects have a positive impact. Whether it is sourcing local materials, generating tax revenue, or creating jobs, Advanced Power and our partner operating companies are committed to supporting local organizations and contributing in meaningful ways.

## Advanced Power Corporate Offices (Boston and Houston)

Advanced Power targets its volunteerism toward important issues affecting communities. Food insecurity was a top concern in both Boston and Houston during 2024. Employees volunteered their time to support local food banks, providing healthy food to residents in both areas.



## Carroll County Energy

Carroll County made numerous donations over the past year, including to the Fox Township Fire Department. Their contribution allowed for the replacement of turnout gear for the grateful fire fighters.



## Cricket Valley Energy

Cricket Valley Energy Center was invited to participate in the local school's Earth Day celebration. A total of 1800 trees were distributed between the school and the CVEC staff.



## South Field Energy

A generous donation from South Field Energy sent a group of lucky fourth-graders to Camp Fitch in October.







# Governance

While ESG is often perceived through the actions associated with environmental and social responsibility, without the correct leadership focus, organizational structure, and top-down/bottom-up accountabilities, an organization is unlikely to demonstrate momentum toward its sustainability goals. This makes Governance a crucial leg in the three-legged stool that supports ESG.

The governance structure at Advanced Power includes a Board of Directors, a Senior Management Committee, and a team of driven employees with decades of expertise in delivering ethical results that align with strategic objectives driving toward a sustainable and reliable energy future.





# The Experts that Lead Us

## The Board of Directors

The Advanced Power Board of Directors (the Board) sits at the top of the company's governance structure. The Board includes six seasoned energy professionals with decades of global experience in energy planning, development, operations, and law.

The Board oversees operations and finances, guides the creation of corporate strategy and allocation of resources, reviews legal compliance, and protects the interests of shareholders. Board members participate in Advanced Power's Board subcommittees, including the Audit, Risk Management, and Environmental, Health and Safety Subcommittees. They also attend quarterly Board meetings and regular sessions with the Advanced Power's Chief Executive Officer (CEO) and Senior Management Committee (SMC).

In providing strategic oversight, the Board conceptualizes the overall business strategy setting the company goals and long-term planning objectives, including ESG. The Board also oversees high-level decisions made by the SMC, who lead the day-to-day operations of the business.



## The Senior Management Committee

Just as each Board member has decades of experience in varying aspects of energy, development, finance, or law, the Advanced Power SMC holds complementary experience. The SMC includes leaders in each of the primary functions at Advanced Power: Development, Asset Management, Engineering and Construction, Administration, and Legal. The SMC works together and in alignment with the Board's strategic vision to deliver long and short-term results through their teams.

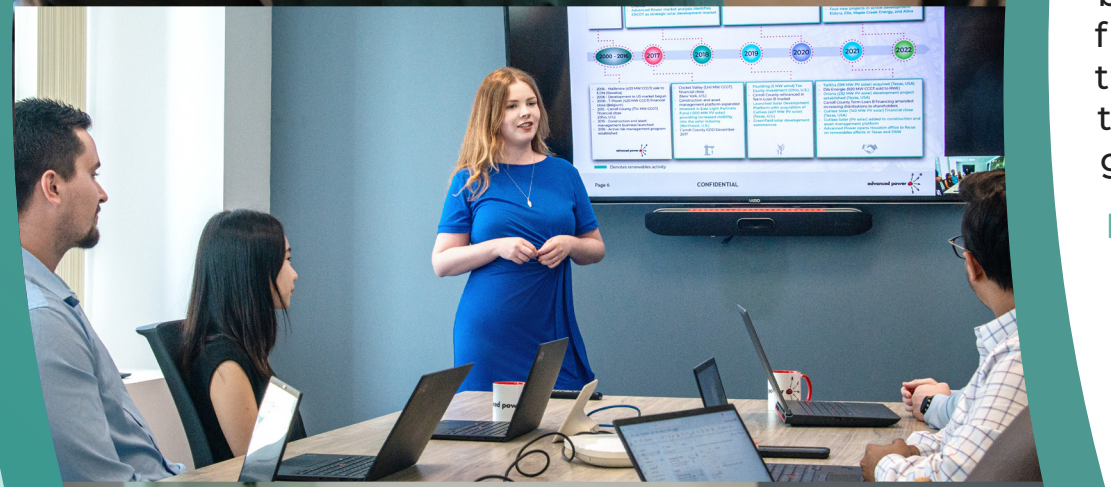
Employees in each department work cross-functionally to deliver on the company's development, asset management, financial, and ESG objectives. This requires clearly defined, measured, and monitored strategic goals, established and approved by the SMC and, ultimately, the Board.

The intense interdependencies between work functions require close and frequent collaboration within the SMC and across their respective teams. SMC members review the progress and potential risks to achieving short and long-term goals and objectives based on regular meetings with team members at differing levels within the organization.





# Collaboration, Performance, and Risk Management



Achieving Advanced Power’s strategic goals mandates collaboration across all levels and all functions within the company. For example, increasing Advanced Power’s renewable energy portfolio requires collaboration across Development, Asset Management, Engineering and Construction, Administration, and Legal. Employees know success requires collaboration and accountability between peers, leaders, and subject matter experts in these other departments.

Company goals and objectives are shared with employees at the start of each year at a cross-functional meeting attended by all employees. Department, team, and individual goals flow from these. Accountability is managed and measured through the performance review process, which occurs twice a year to achieve these organizational, departmental, and personal goals.

### ESG Committee

To ingrain ESG principles into our organizational culture, an ESG Committee was established in 2022. The ESG Committee includes representatives from each functional area within the company and meets quarterly to monitor, recommend, and guide the implementation of approved ESG initiatives that complement Advanced Power’s strategic goals.

Two-way communication between members of the ESG Committee and the SMC keeps Advanced Power’s vision of advancing a sustainable, reliable energy future at the forefront of what we do.

### Contracts and Purchasing

All contracts require an ascending level of review and approval, depending on their importance and cost. Once the business undertakes new obligations, whether through contractual

agreements or governmental approval, these obligations are managed by different functional leads. Additional approvals from accounting and subject matter experts are required for any expenditure, ensuring thorough oversight at every step.

### Cybersecurity

Although Cybersecurity is often viewed as a technology issue, Advanced Power also sees it as a safety concern. Cybersecurity plays a critical role in protecting systems, networks, and programs. We fortify our cyber defenses to ensure our partners’ and customers’ data is protected.

The Center for Internet Security cybersecurity framework consists of 18 technical and process controls that will help improve our cybersecurity readiness measurably. Recognizing that employees are the first line of defense against phishing and ransomware schemes, Advanced Power employees are provided with regular and mandatory cybersecurity training. In 2024, we provided 5 online training sessions aimed at providing the necessary knowledge and critical thinking skills to identify cyber risks and threats. These are mandatory trainings, and we ensure a 100% completion rate.





# Governance in Management of Assets

Each asset owned and or managed by Advanced Power is established and managed as a separate business entity with its own project-level board. Project boards are comprised of representatives of each ownership group, including representatives of Advanced Power.

The Advanced Power Asset Management team monitors and manages potential operational and commercial risks for each asset. The team also manages energy and market risk activities, such as power, natural gas, and Regional Greenhouse Gas Initiative (RGGI) credit price risk. Each project board approves the risk management policies and procedures that govern all market interactions. These procedures ensure that every aspect of the business is operated to align with Advanced Power's core values, adhering to the highest ethical and legal standards.

Asset Management also provides oversight of construction, commercial operations, and risk management for each facility, while also managing environmental permits and obligations through robust compliance tools. A commitment to communication and transparency builds trust between Advanced Power and project partners. Asset Management employees lead daily interfaces with our partner facilities management teams, fuel suppliers, and 24-hour energy managers. Positive regulatory relationships support the timely resolution of critical environmental matters should they arise.

## Health and Safety

Advanced Power prioritizes safety at all times, and this prioritization extends to Advanced Power's managed assets. Rigorous and consistent review of key metrics promotes health and safety awareness.

We conduct annual, quarterly, and monthly formal safety reviews at each managed asset. These reviews cover health, safety, and environmental performance, where metrics are reviewed, incidents discussed, and safety actions noted.

At operating sites, quarterly compliance and risk reviews are also performed and documented. These reviews assess performance over the previous quarter, enabling the operations team to set expectations for the quarter ahead.

## Audits and Continuous Improvement

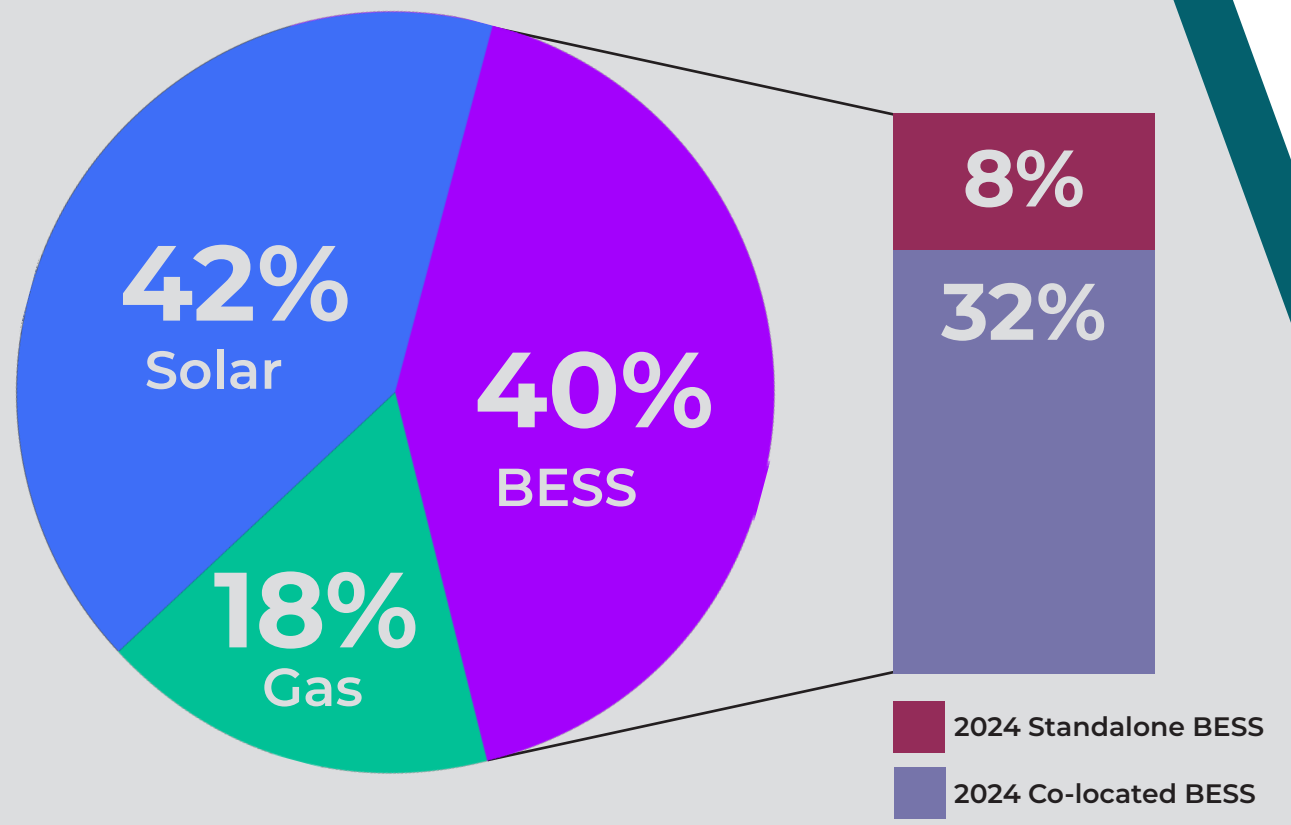
To ensure compliance with our governance and risk management process, external parties conduct third-party annual audits for all assets under our management. These audits confirm that all accounting and business controls are properly followed.





# Performance Metrics and Key Achievements

2024 Development Portfolio by Power Type



**14.3 GW**

Advanced Power Total Portfolio to date (managed, developed, divested, feasibility)

**6.3 GW**

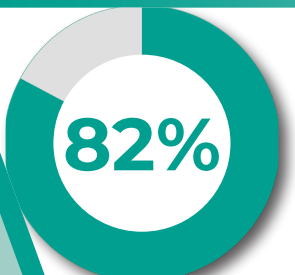
Projects Developed (Managed Assets/Divested Assets)

3.2 GW Managed Assets on behalf of 75+ Capital Partners  
3.1 GW Divested Projects

**8 GW**

Total Active Development

3.4 GW Solar  
2.6 GW Co-located BESS  
0.6 GW Standalone BESS  
1.4 GW CCGT & Modern Peaker Units



development portfolio devoted to Solar and BESS power infrastructure



development portfolio devoted to modern natural gas facilities



million in charitable donations and PILOT contributions



**26%**  
of leadership roles held by women

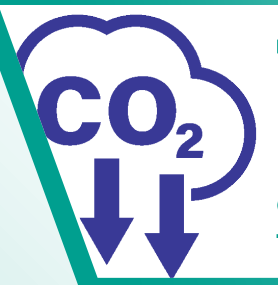


# Performance Metrics and Key Achievements cont.

**2.7** MM equivalent homes supplied with power

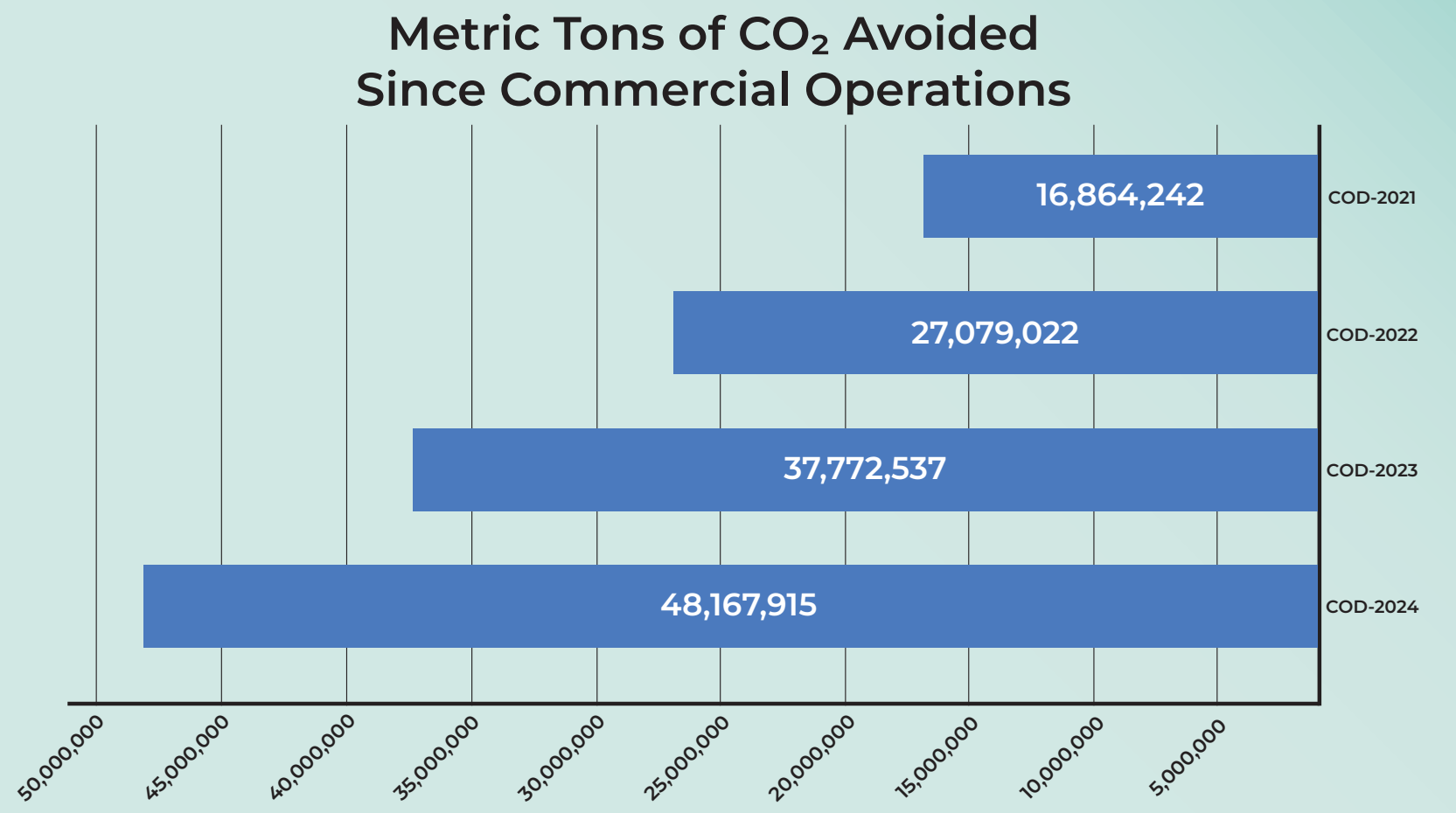


**18.1** million MW hours of clean energy produced



**10.2** million metric tons of CO<sub>2</sub> emissions avoided at our facilities in 2024

Equivalent to **2.2 million** passenger vehicles removed for a year



**89%** employee retention rate in 2024

**71**

employee head count at year end





# Conclusion

In conclusion, Advanced Power's 2024 ESG Sustainability Report highlights our strategic initiatives, which reflect our commitment to a sustainable and reliable energy future. From growing our project portfolio to include utility-scale renewables and responsibly managing an increasing inventory of clean and low-carbon energy assets, we are actively working toward advancing a reliable, sustainable energy future.

As we continue on this journey, Advanced Power continues to embrace the core principles of ESG. We believe that meeting current and future energy needs is best achieved through a commitment to social responsibility and the environment, assured through accountable governance. Every day brings new opportunities to demonstrate our ESG commitment. We welcome what lies ahead as we continue to bring value to an evolving energy sector.



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