

A close-up, blue-tinted photograph of a nuclear reactor core. The image shows a complex arrangement of metal components, including a control rod assembly at the top and a grid of fuel rods below. The lighting is dramatic, highlighting the metallic textures and creating a sense of depth and precision.

pillsbury

Nuclear Energy

“Pillsbury houses an impressively broad energy practice, and is a national and global leader in the nuclear area in particular. The jewel in the firm’s crown is its nuclear transactional practice, and its nuclear team represents both public utilities and IPPs, as well as overseas and domestic investors, in a whole host of transactions.” —Chambers

50 Years of Firsts

Pillsbury fields one of the world's top nuclear energy teams, with the knowledge and historical perspective to help clients take full advantage of developments and opportunities. Our 50-year track record is full of firsts, including:

- First practice devoted to nuclear energy issues
- Representation of the world's first nuclear power plant project implemented on BOO (build-own-operate) principles
- Leading advisor, first major nuclear complex in the Gulf
- First nuclear plant to obtain license renewal
- First buyer representation in a nuclear plant acquisition
- First new nuclear plant in the U.S. at a greenfield site

We have been involved in virtually every U.S. sale of a nuclear power plant, and have spearheaded the Nuclear Regulatory Commission (NRC) licensing of 50 of these plants—more than any other firm—with a 100 percent success rate. More than half our work is international, representing governments and others on major nuclear procurements and working with inbound clients on investments and regulatory requirements in the U.S. nuclear energy market.

Experience at Every Stage of the Nuclear Facility Life Cycle

- Financing
- Facility design and construction
- Procurement, storage and disposal
- Initial licensing
- Regulatory oversight, including NRC enforcement, investigations and inspection preparation
- License amendment and renewal
- Acquisitions, reorganizations and sales
- Waste management and decommissioning

REPRESENTATIVE MATTERS

Advise and represent the Emirates Nuclear Energy Corporation in developing its internal organization, assisting in the development of the UAE nuclear regulatory structure and nuclear liability insurance regime

Advising on all phases of structuring, financing and negotiation of key documents for the Akkuyu nuclear power plant being built in Turkey, one of the largest nuclear projects currently under development.

Represent the manufacturer in numerous transactions tied to the development of small modular reactor technology

Represent utilities on independent spent fuel storage installation license renewals

Represented an energy producer/ transporter in obtaining an early site permit from the NRC; currently representing it on its application to construct and operate new nuclear units at the site

Advise several foreign governments in the development and implementation of nascent civil nuclear power programs

Represent a Department of Energy (DOE) contractor in support of negotiations between the U.S. and the Russian Federation

Assist utilities and vendors in developing and implementing strong safety culture and safety conscious work environment programs

Represent utilities and nuclear vendors in preventing receipt of and responding to Chilling Effect Letters

Represent a U.S. company in the negotiation of a contract to process nuclear waste material in Central Asia

Represent utilities on plant license renewal

Represent U.S. company in successful NEIL insurance mediation

Assist nuclear vendors in successfully preparing for and responding to NRC vendor inspections

Represent two utilities in transitioning recently shut-down plants to decommissioning status



AWARDS & RANKINGS

Ranked among the leading nuclear law firms (*Chambers Global* and *Chambers USA*)

Ranked nationally in Tier 1 of energy law firms by *Best Lawyers/U.S. News & World Report*

Silver Award for Energy at the International Legal Alliance Summit & Awards in Paris

“Environmental Firm of the Year” (*U.S. News Best Law Firms*)

Received more than a dozen “Deal of the Year” awards for energy and project finance transactions since 2002, including projects in North America, Europe, Latin America and Asia.

“Energy Law Firm of the Year” for the United Arab Emirates (*Asian-Counsel*)

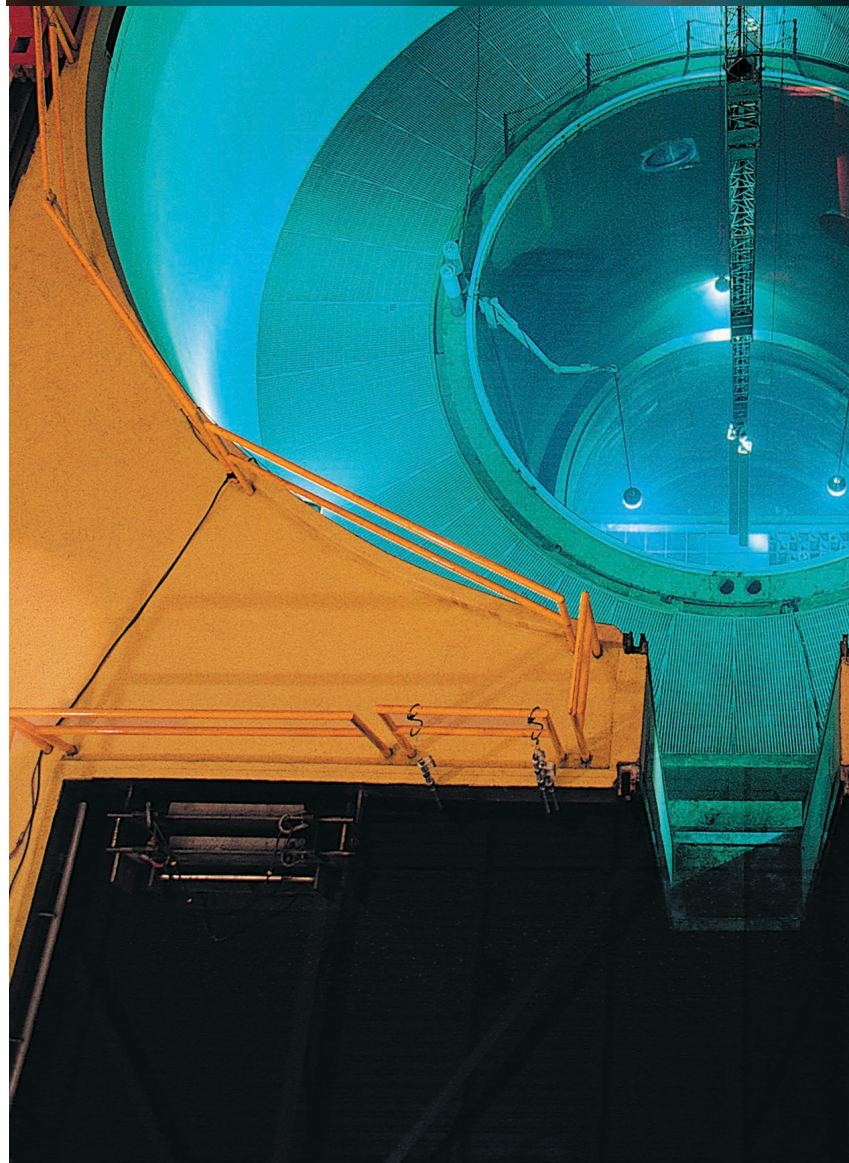
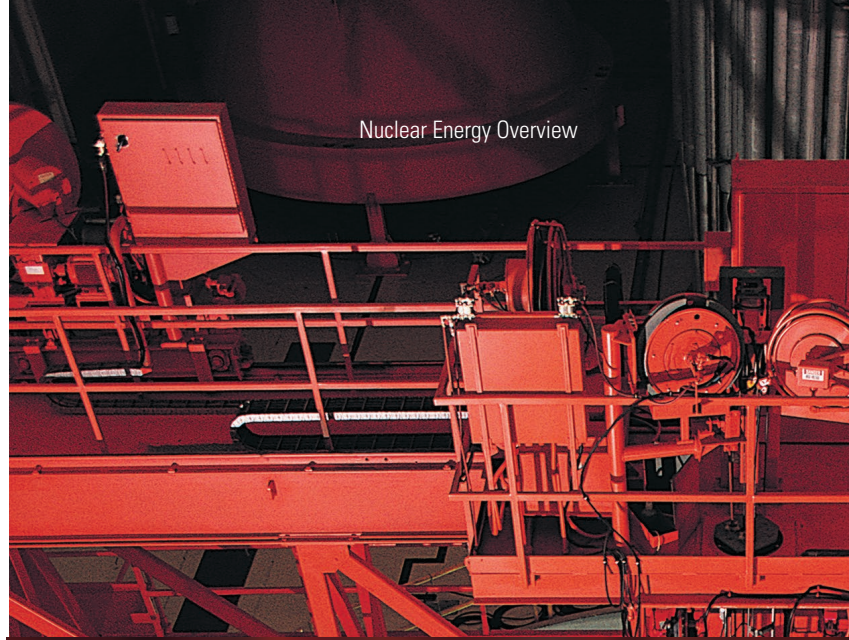
Received nine “Chevron Law Firm Diversity Recognition Awards” for our commitment to diversity and the results we have achieved

Our Clients

Our clients span the spectrum of nuclear producers and users and include electric, gas and mining companies; financial institutions; governments; owners and operators of nuclear waste facilities; and service providers and vendors.

- Ad Hoc Utilities Group (AHUG)
- Akkuyu NPP JSC
- AKME-engineering JSC
- AREVA NC, Inc./Cogema Mining
- B&W Nuclear Power Generation Group, Inc.
- Babcock & Wilcox mPower, Inc.
- Battelle Memorial Institute
- Bechtel Corporation
- Burns and Roe
- CB&I
- Detroit Edison
- Dominion (Dominion Energy, Virginia Power)
- Duke Energy Corporation
- Electric Power Research Institute (EPRI)
- Emerson Electric Co.
- Emirates Nuclear Energy Corporation (ENEC)
- Engine Systems Inc.
- Entergy Corporation
- Exelon Generation Company
- GE-Hitachi Nuclear Energy Americas, LLC
- Government of the Republic of Korea
- Invensys plc
- ITOCHU Corporation
- KEPCO NF
- King Abdullah City for Atomic and Renewable Energy (K.A.CARE)
- Luminant Generation Company (fka TXU Corp.)
- Marubeni Corporation
- Mitsubishi Heavy Industries, Ltd. and Mitsubishi Nuclear Energy Systems, Inc.
- Mitsui Corporation
- NAC Kazatomprom JSC
- NextEra Energy Resources; Florida Power & Light
- Nuclear Energy Institute (NEI)
- NUKEM, Inc.
- Progress Energy
- Rolls-Royce
- Shaw AREVA MOX Services, LLC
- Sumitomo Corporation
- Taiwan Power Company
- TENAM Corporation
- Zachry Corporation

“One of the finest nuclear practices in the USA and internationally.”—Chambers Global



The Pillsbury Difference

Technical Knowledge and Experience

It takes an extraordinary amount of technical knowledge and legal experience to provide effective representation in an industry as heavily regulated as nuclear energy. Many of our lawyers hold graduate degrees in engineering and the sciences, and have held relevant positions in the U.S. Navy, electric companies and nuclear facilities. Some have served as counsel to the U.S. NRC, the U.S. DOE, and the Atomic Energy Commission.

An Energy Industry Powerhouse

Pillsbury has created one of the legal industry's largest and most preeminent practices. We have worked on large-scale energy projects and their financing in more than 75 countries on six continents, giving us vast experience in all aspects of the quickly evolving global energy field.

The Leading Edge for International Projects

All signs point to continued, sustained growth in global nuclear projects. Our closely integrated team covers the world's energy and finance capitals and is backed by an extensive network of host-country law firm contacts, enabling us to provide flexible and efficient legal counsel wherever—and whenever—you need it.

Clients Benefit from Nuclear Sector Experience

Nuclear Energy Transactions

We represent clients and governments in nuclear energy transactional matters around the globe, including government procurement, multiparty agreements, project finance transactions, joint ownership agreements for generation and transmission facilities, fuel procurement and the development and construction of independent power projects. Our work includes complex finance transactions requiring experience in debt and equity financing structures and in commercial, bilateral and multilateral financing agencies.

Nuclear Export Controls

We advise clients on compliance with domestic laws and international agreements that govern the international supply of components, services and fuel for nuclear power stations. Our team counsels clients on international conventions, domestic regimes and contractual provisions that protect against civil liability for nuclear damage. We also guide clients on export compliance training, compliance for foreign nationals and on procedures for addressing potential violations of nuclear export control regulations and for taking corrective action.

Our experience includes developing programs for several major nuclear utilities, engineering and consulting firms, securing multi-government export permits and approvals on behalf of U.S. nuclear utilities and equipment manufacturers for the export of sensitive nuclear technology and equipment, and advising clients on international nuclear liability issues in relation to nuclear-related exports to Europe, Russia, China, India, Japan, Taiwan, South Korea, Canada, South Africa, Argentina and Australia.

Nuclear Litigation

We represent clients in complex energy litigation before state and federal courts, international arbitration tribunals and the NRC. Our clients include most U.S. nuclear utilities and many international companies and governments. We handle lawsuits and arbitrations involving spent fuel storage, nuclear plant construction, steam generators and pricing under enrichment contracts. The firm also litigates matters involving utility equipment suppliers, nuclear waste disposal and nuclear power plant licensing and operations.

New Plants

Pillsbury works with clients to develop strategies for design certification, early site permitting, preparing COL applications and optimizing the COL process, selection of key vendors and contractors, contract negotiation, dispute resolution, transmission capacity and grid issues, managing ITAAC risk and minimizing adjudication risks.

Saving Billions for Nuclear Plants and Their Electricity Customers

For almost 40 years, Pillsbury has been a leading force in the U.S. nuclear energy industry's efforts to develop and implement a national nuclear waste program. After the Obama Administration cancelled the planned Yucca Mountain waste repository in Nevada, Pillsbury convinced the U.S. Court of Appeals for the District of Columbia Circuit in 2013 to stop the government from continuing to collect \$750 million per year in fees from our clients—the Nuclear Energy Institute and 15 utilities owning and operating nuclear power plants—for a now nonexistent waste disposal program. The court ordered that the DOE take the required steps to set the nuclear waste fee to zero, which will now save the nuclear utility industry \$750 million per year, "so long as the government has no viable alternative to Yucca Mountain."

Advanced Reactor Licensing

We are active in the certification of advanced reactor designs, successfully representing one of the few vendors that obtained NRC certification of an advanced reactor design. We currently represent several manufacturers that are seeking to have their advanced reactor designs certified by the NRC, as well as vendors developing prototype reactors of an advanced design.

License Renewal

Pillsbury remains at the forefront of the nuclear industry's initiatives to extend the operating life of nuclear power reactors through the renewal of their operating licenses. To date, we have successfully represented the first reactor license renewal and more than half of the succeeding license renewal applications submitted to the NRC.

Facility Regulation

Our lawyers counsel clients on NRC licensing issues and regulatory oversight with respect to nearly forty nuclear units, leveraging our access to contacts within the NRC to facilitate resolution of issues as they occur. We also

represent other entities subject to NRC oversight, including fuel equipment and service vendors, contractors, architect-engineers and waste management companies. We advise both licensees and vendors on preparing for significant NRC inspections and recovering from significant regulatory findings. We work with utility groups and industry organizations on such regulatory issues as modification of regulations, development and response to rulemaking petitions, and implementation of new rules.

Power Uprates

We assist clients with increasing the maximum power level at which their commercial nuclear power plants may operate, thereby increasing the economic value of the facility. These power uprates include instrument uncertainty recapture, stretch power and extended uprates. Our team helps clients develop strategies to enhance the NRC licensing process and avoid NRC hearings. Where necessary, we have successfully litigated challenges to power uprate licensing applications.

Nuclear Work Environment and Employment Matters

Pillsbury is at the forefront in assisting clients with developing and maintaining a strong nuclear safety culture and safety conscious work environment. Our focus is on proactive prevention to head issues off before they ever arise. Our services include the following:

- Advise and represent clients on enforcement matters, including regulatory actions and civil, criminal or administrative proceedings
- Assist clients with investigating employee concerns and referred allegations
- Assist in developing "get well" plans that do not impose unnecessary obligations on the licensee, including assisting clients with responding to Chilling Effect Letters and providing training.

Pillsbury is a leader in the prevention and resolution of whistleblower allegations, successfully defending hundreds of claims over the past decade and resolving the majority

well before they reached the courts. Few law firms offer as complete a package of prevention, response and defense capabilities as Pillsbury—demonstrating that our greatest value to clients is best measured in the number of claims that simply never develop.

From its roots helping nuclear industry clients address whistleblower allegations, Pillsbury's whistleblower practice has expanded to an interdisciplinary team of lawyers and to include clients in industries as diverse as aviation, construction, health care, technology, education, communications, financial services and insurance.

Lawyers from a cross-section of the firm's services—Employment, Energy, Environmental, Corporate Litigation—provide clients effective, high-value advice on all aspects of employee protection statutes.



Decommissioning

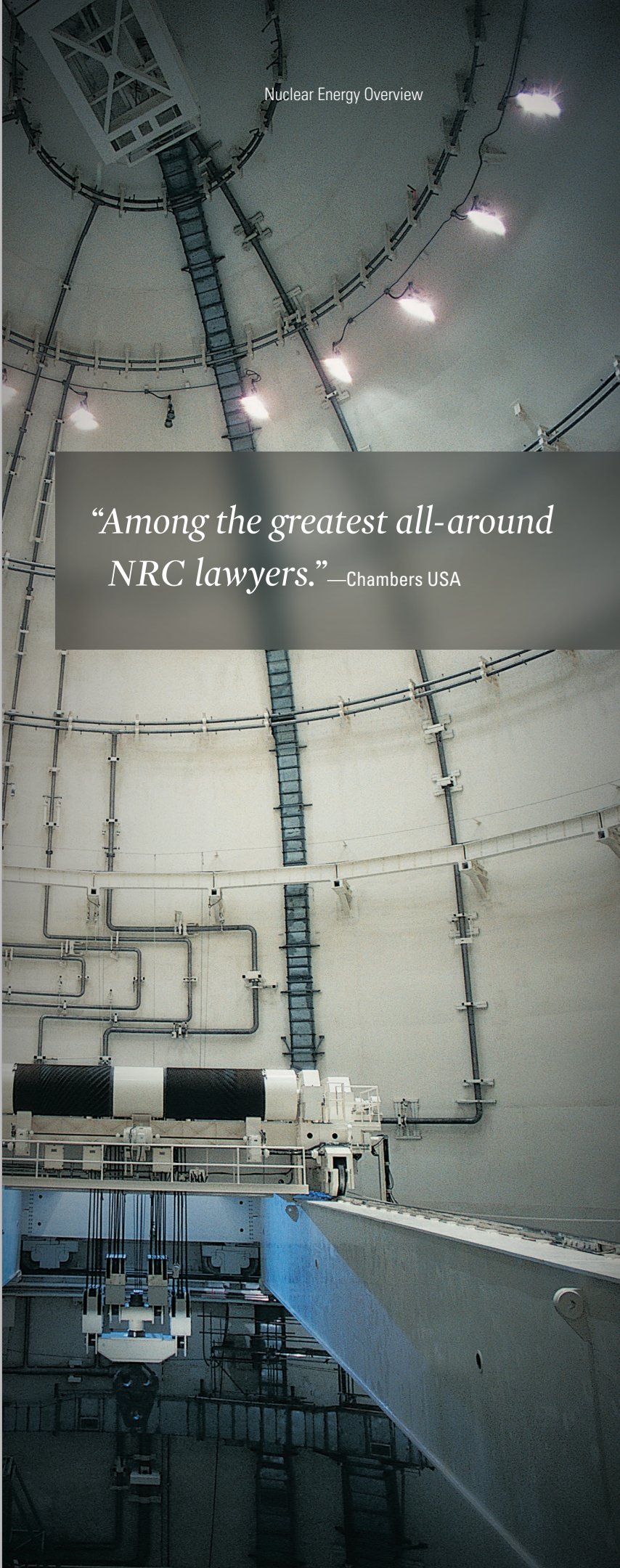
Pillsbury has advised clients in numerous decommissioning proceedings. Our attorneys have assisted utility clients with developing decommissioning plans, advised on compliance with regulations and advised clients on premature decommissioning of nuclear utilities. We have also represented utility clients in hearings and litigation associated with decommissioning. Our lawyers have represented contractors, including representing a client in negotiating a unique decommissioning agreement. As a result of our representation of decommissioning contractors, we have experience with the commercial aspects of decommissioning.

Waste Management

We are at the forefront in dealing with nuclear spent fuel and nuclear waste storage and disposal issues. We are counsel for Private Fuel Storage LLC (PFS) and represent PFS on its application for a license to construct and operate an independent spent fuel dry storage facility in Utah. We help waste management and transportation companies establish and maintain compliant nuclear waste programs. Our lawyers enable clients to develop additional spent fuel storage capacity at reactor sites, resolve low-level and mixed-waste issues, and transport waste in accordance with regulations.

Public Policy

U.S. members of our team enjoy particularly close ties to legislators and staff members who serve on Congressional committees with jurisdiction over energy, as well as other key Administration offices. Our energy policy experience is comprehensive; for example, we undertook far-reaching policy initiatives and achieved successful outcomes in the Energy Policy Act of 2005. We have produced results in the federal appropriations arena, helping our clients to secure millions in federal funds for energy-related research and development projects.



*“Among the greatest all-around
NRC lawyers.”*—Chambers USA

Energy

Climate Change

Anticipating our clients' needs in this area and the vital link between nuclear power and clean energy, Pillsbury launched one of the first climate change and sustainability practices in the legal arena. As governments around the world re-shape their energy policies, regulate greenhouse gas emissions and help society adjust to the effects of global warming, we monitor and advocate on behalf of our clients on developments relating to renewable energy, greenhouse gas emission regulations and voluntary reduction programs.

Small Modular Reactors

As modular developers race to market, financial sector interest in small reactors is climbing. In tandem with various industry groups and federal agencies, including the Department of Energy, American Nuclear Society and Nuclear Energy Institute, Pillsbury is helping to frame a new area of licensing for evolving NRC approval processes. We represent emerging modular reactor developers in capital-raising activities, strategic alliances and corporate transactions. Our work includes counseling on the strategy for NRC design certification as well as energy security, nuclear liability protection, export compliance and due diligence, and nonproliferation.

About Pillsbury

Pillsbury Winthrop Shaw Pittman LLP is an international law firm with offices around the world, and a particular focus on the technology, energy & natural resources, financial services, real estate & construction, and travel & hospitality sectors. Recognized by legal research firm BTI as one of the top 20 firms for client service, Pillsbury and its lawyers are highly regarded for their forward-thinking approach, their enthusiasm for collaborating across disciplines and their unsurpassed commercial awareness.

Learn More

For more information about our Nuclear Energy practice, please visit us at [pillsburylaw.com/nuclear-energy](https://www.pillsburylaw.com/nuclear-energy).

Energy Practice Leader

Jeffrey S. Merrifield
Washington, DC
+1.202.663.8713
jeff.merrifield@pillsburylaw.com

Offices

Austin
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Hong Kong
Houston
London
Los Angeles
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