



Paul M. Murphy
Managing Director
Murphy Energy & Infrastructure Consulting, LLC

meic.pmjmurphy@gmail.com
+1-202-294-3307

Education:
Harvard Law School, J.D.
Princeton University, A.B.

Admissions:
New York
District of Columbia

Murphy Energy & Infrastructure Consulting, LLC is focused on advisory services for the development, structuring, contracting, and financing of large energy and infrastructure projects. With an international network of experts and seasoned professionals, Murphy Energy & Infrastructure Consulting, LLC is available to assemble small, focused teams to support projects worldwide at all stages of a project's lifecycle.

Paul Murphy is the Founder and Managing Director of Murphy Energy & Infrastructure Consulting, LLC. Paul focuses on multiple aspects of the nuclear industry – from legal and policy matters, including international regulatory and treaty frameworks and issues regarding nuclear liability, to strategies for creating and financing nuclear power programs and the identification and mitigation of associated risks – representing developers/owners, investors, lenders, and contractors on nuclear projects internationally. He is recognized as an expert in the development and financing of nuclear power programs by the International Atomic Energy Agency (IAEA), the OECD's Nuclear Energy Agency (NEA), the International Framework for Nuclear Energy Cooperation (IFNEC), and the U.S. government.

Paul now also serves as the Co-Head of Public Finance & Government Relations for Cross River Infrastructure Partners, and he is an Affiliate of Nuclear Economics Consulting Group. Paul is also the Chair of the Advisory Board for Segra Capital Management. Paul is a member of the Advisory Board for the Global America Business Institute. Paul has also served a member of ASME's Technology Advisory Panel for Clean Energy. Paul is a six-time appointee to the U.S. Secretary of Commerce's Civilian Nuclear Trade Advisory Committee (CINTAC), and he serves on the U.S. Department of Commerce's SMR Working Group. Paul has also advised the U.S. Senate Energy and Natural Resources Committee and the U.S. Department of Energy on the development of legislation concerning U.S. nuclear exports.

Paul currently serves on the IAEA's Technical Cooperation Program team, which assists member states in developing nuclear power programs (Turkey, Kazakhstan, Uzbekistan). Paul regularly teaches financing, contracting, and project development for the IAEA, Argonne National Laboratory, and Texas A&M University for their international training programs, and he serves as a guest lecturer at the U.S.

National Defense University and at Virginia Tech. He has also taught specialized nuclear training programs on financing, contracting, project structuring, risk allocation, and SMRs for the U.S. Government and the nuclear planning authorities in Ghana, Uganda, and Ethiopia.

Paul is also a Senior Advisor to KPMG's Power & Utilities group; he is Senior Advisor of Atomic Acquisitions; he is a Special Advisor to Radiant Energy Fund; and a Special Advisor (*pro bono*) to both 18for0 and the International Youth Nuclear Congress. He also serves as a Consultant to Global Venture Consulting and as Special Advisor to The Nuclear Alternative Project.

Most recently, Paul served as Managing Director, Special Projects for the international law firm, Gowling WLG. Prior to joining Gowlings, he was Special Counsel in the Washington, DC office of Milbank, Tweed, Hadley & McCloy LLP, and a member of the Global Project Finance group, leading Milbank's nuclear practice. Prior to Milbank, he served as Senior Counsel for Bechtel Power Corporation, supporting both the Nuclear and Fossil businesses as a transactional attorney involved in business development, proposal submittals, contract negotiations, procurement, and project execution.

Mr. Murphy is a graduate of Princeton University's School of Public and International Affairs and a graduate of Harvard Law School. He is admitted to practice in New York and the District of Columbia. He speaks and writes extensively on a variety of issues relating to the global nuclear industry.

Some of Paul's work includes acting as consultant / counsel to the following clients:

- **U.S. Department of Energy / Poland Nuclear Power Project:** Advising the U.S. Department of Energy (Office of International Affairs and Office of Nuclear Energy) on bilateral planning, financing, and negotiations regarding the development and financing of the 6-reactor program in Poland; serving as the U.S. co-chair of the bilateral Finance Working Group.
- **U.S. Department of Energy / Cernavoda Nuclear Power Project:** Advising the U.S. Department of Energy (Office of International Affairs and Office of Nuclear Energy) on bilateral planning and negotiations regarding the development and financing of the refurbishment of Unit 1 and the completion of Units 3 & 4.
- **SaskPower:** Advising SaskPower, as a member of the KPMG team, on SMR project business models (and related activities) in support of its SMR deployment program.
- **Port of Belledune / Cross River Infrastructure Partners:** Developing a clean energy fuels facility / green energy hub in New Brunswick, Canada, utilizing existing clean power for ammonia/hydrogen production and the deployment of ten ARC Clean Energy advanced reactors to sell nuclear energy as-a-service to industrial customers at the Port.
- **Atomic Acquisitions / UK SMR Deployment:** Developing SMR projects in the United Kingdom, utilizing multiple SMR technologies, as part of the Atomic Acquisitions team.
- **U.S. Department of Energy / Bulgaria Nuclear Power Project (K7):** Advising the U.S. Department of Energy (Office of Nuclear Energy) on bilateral planning and negotiations regarding the development and financing of Kozloduy Unit 7 (and potentially Unit 8).
- **King Abdullah City for Atomic and Renewable Energy (K.A.CARE):** Advised K.A.CARE in the structuring of its nuclear holding company as part of Oliver Wyman team in 2012 and 2018; advisory work included entity structuring, nuclear liability, procurement, program economics,

financing, local industrial development, and foreign investment into the program. Additional work included the review of the Kingdom's draft laws for nuclear liability and the establishment of the national nuclear regulatory authority in 2013.

- **Export-Import Bank of Korea, Export-Import Bank of the United States, various commercial lenders (Barakah NPP):** Advised multiple export credit agencies and commercial banks in a multi-unit financing for the Barakah Nuclear Power Project in the UAE, leading all project diligence, including supervision of the lenders' technical advisor.
- **Sinop Nuclear Power Project (MHI, Engie, Itochu) / Turkey:** Advised a multi-party, multi-national project company for the development, construction, financing, and operation of a four-unit nuclear power project. The scope of the representation included advisory work in the following areas: entity structuring and corporate form, nuclear liability, project documentation, program economics, financing, tax structuring, assistance with feasibility study, competition clearances, regulatory advice, and government negotiations.
- **U.S. Department of Energy & the Jordan Atomic Energy Commission:** Served as contributing author and expert to a DOE-funded report by JAEC concerning the suitability of a "dual track" approach (domestic repository vs. multinational repository) on the disposition of spent fuel and nuclear waste.
- **U.S. Trade & Development Agency / Small Modular and Advanced Reactor Planning Series:** Advising USTDA on the development of series of 5 workshops for Central & Eastern European Countries, concerning the development and deployment of small modular reactors.
- **U.S. Trade & Development Agency / Nuclear Proposal Reviews:** Advising USTDA on the review of funding proposal for early-stage work involving nuclear power programs in 4 different countries.
- **U.S. State Department / FIRST Program:** Teaching (as a member of the CRDF team) for the State Department's *Foundational Infrastructure for the Responsible Use of SMR Technology* program; initial programs have been for Indonesia, Kenya, Ghana, and for ASEAN countries, covering topics concerning financing, project development, and risk management.
- **Nuclear Power Ghana / Nuclear Power Institute:** Advising Nuclear Power Ghana / Nuclear Power Institute on the development and financing of Ghana's nuclear power program.
- **Nuclear Alternative Project / Puerto Rico:** Advising The Nuclear Alternative Project on plans to foster the development of small modular reactor projects in Puerto Rico, including serving as lead contributor and reviewer (re. financing, legal, regulatory, and project structuring) of the *Preliminary Feasibility Study for Small Modular Reactors and Microreactors for Puerto Rico* (May 2020), funding by the U.S. Department of Energy.
- **The Nuclear Damage Compensation and Decommissioning Facilities Corporation (NDF):** Advised NDF on contracting structures for nuclear decommissioning.
- **Korea Atomic Energy Research Institute (KAERI):** Advised KAERI on pathways for SMR deployments to support clean growth strategies for the developing world, to include analysis of the SMART reactor (with particular focus on co-generation models involving desalination).

- **Ultra Safe Nuclear Corporation (USNC):** Advising USNC on the development and deployment (including entity and contract structuring) of its micro-reactor technology in Canada.
- **U.S. Department of Energy / Wylfa (UK):** Advised the U.S. Department of Energy (Office of International Affairs) on potential options for the Wylfa site in the United Kingdom.
- **Nucleoelectrica Argentina S.A.:** Advised Nucleoelectrica Argentina S.A. on the EPC Contract and Major Vendor Subcontract for the Atucha III nuclear power project in Argentina.
- **Legislative Council and House of Assembly of the Parliament of South Australia:** Provided advice on South Australia's possible development of an international repository for nuclear waste.
- **Export-Import Bank of the United States:** Advised EXIM on the financing for one of the new build nuclear power projects in the United Kingdom.
- **Down Under Nuclear Energy Pty Ltd (DUNE):** Advised DUNE, a project development company for the deployment of small modular reactors in Australia, on project development activities and collaborated (as Nuclear Economics Consulting Group) with DUNE on its submission to Australia's Energy Security Board regarding recommendations for the post-2025 National Energy Market structure.
- **Organization of Canadian Nuclear Industries (OCNI) and the Canadian Nuclear Association (CNA):** Advised OCNI and CNA on Canadian Nuclear Alternative Alliance Models.
- **Nuclear Risk Insurers Ltd. (NRI):** Advised NRI on matters relating to the development of insurance pools in a newcomer nuclear country.
- **Bechtel Power Corporation (Barakah):** Advised Bechtel in its bid, together with AREVA, GDF Suez, EDF, and Total, for the Barakah NPP (UAE).
- **Bechtel Power Corporation (Darlington):** Advised Bechtel in its bid, together with AREVA, for the Darlington NPP (Canada).
- **Bechtel Power Corporation (SONGS SGR):** Advised Bechtel on the steam generator replacement contract for San Onofre Nuclear Generating Station.
- **Bechtel Power Corporation (Crystal River SGR):** Advised Bechtel on the steam generation replacement contract for the Crystal River Project.