

Gabriel Brian Collins, J.D.

EDUCATION

University of Michigan Law School, J.D., May 2014

Princeton University, A.B. *Cum Laude* in Politics, June 2005

Senior Thesis “*Grand Illusions: China’s Quest for Equity Oil is Driving its Foreign Policy But Will Not Bring it Energy Security.*”

WORK EXPERIENCE

Baker Institute for Public Policy, Rice University, Houston, TX

Baker Botts Fellow in Energy & Environmental Regulatory Affairs, Sep. 2016-Present

- Run global water, energy, and natural resource research portfolio at #1 ranked global energy & natural resources think tank.
- Intensive focus on China, Russia, the economic valuation of water, the food-water-energy nexus, water governance, and commodity-focused policy, development, and security issues.
- Water-Energy Nexus thrust leader at Rice Water Institute
- Program lead, Energy & Geopolitics in Eurasia

Baker and Hostetler, LLP Houston, TX, *Litigation Associate*, Sep. 2014-Aug. 2016

- Representative matters include:
 - Assisting major global energy services provider in a subsea equipment corrosion case.
 - Assisting a major oilfield services provider after a loss of well control incident.
 - Helping a utility-scale renewable energy generator develop strategies to further monetize the company’s facility by selling electricity and generation capacity.
 - Assisting two world-scale metals production plants with permitting matters.
 - Crafting comprehensive guidance for a client seeking to transport crude oil and condensate by truck.
 - Helping a major North American integrated oil company pursue environmental compensation claims from World War II aviation gasoline and rubber production.
 - Creating a contingent transfer agreement between an oilfield services operator and its tribal partner for a heavy-duty crane in the Bakken region of North Dakota.
 - Developing legal strategies for a mid-sized Permian Basin E&P firm to recycle produced water, but minimize costs and avoid litigation with surface owners.

Curium Capital Advisors, LLC, Boston, MA

September 2008–August 2010

Vice President (December 2009–August 2010);

Associate (September 2008-December 2009), Commodity market research

- Helped write more than 100 analytical reports for clients assessing risks and opportunities in global commodity markets related to China and Russia.

- Tracked more than 25 Russian and Chinese-language media sources on a daily basis and utilized network of local contacts to locate investment opportunities and obtain detailed micro-level commodity information in China and Russia.
- Assisted with building and maintaining global supply/demand balances for oil, gas, and other commodities.

Ospraie Management, LLC, Boston, MA
Analyst, China/Russia commodities

June 2008–September 2008

- Tracked and analyzed commodity market risks in China and Russia.
- Helped produce firm’s daily morning trading note.
- Helped develop information management and asset tracking strategies.

U.S. Naval War College, Newport, RI

May 2006–May 2008

Research Fellow, Office of the Secretary of Defense/Office of Net Assessment

- Advised senior civilian policymakers and Navy officers on China’s naval development, shipbuilding industry, and maritime energy security policies and conducted primary source research on energy, commodity, and shipping issues. Held SECRET security clearance.
- Traveled to China and Russia to assist with relationship management between NWC and China Maritime Safety Administration and Russian Navy and to conduct primary research on energy, shipbuilding, and maritime security issues.

PROFESSIONAL LICENSES: Licensed Texas Attorney, State Bar Number 24092272

LANGUAGES: Mandarin, Russian, Spanish (full immersion study with native speakers, proficient in reading and limited speaking proficiency).

PROFESSIONAL COMMUNITY PARTICIPATION:

- Editor Emeritus, Texas Water Journal (2016-2026)
- Invited Peer Reviewer for Naval War College Review, Journal of Strategic Studies, The Extractive Industries and Society, RAND Corporation

Appendix A
Selected Water-Related Academic Publications by Mr. Collins

1. Votteler, Todd H, “*Water Markets for Texas*,” With core contributions by Gabriel B. Collins and Matthew D. Berg. Collaborative Water Resolution LLC, 2025. Texas 2036. Accessed December 11, 2025. <https://texas2036.org/water-future/>.
2. Gabriel Collins, “*Small Modular Reactors for Nuclear Desalination and Cogeneration in the Permian Basin*,” Rice University’s Baker Institute for Public Policy, May 7, 2025, <https://doi.org/10.25613/MOCA-RR71>.
3. Gabriel Collins, “*Cross Texas Water Grid: Key Challenges and Economic Costs*,” Collins Research Portal, 24 April 2025. <https://collinsresearchportal.com/wp-content/uploads/2025/05/The-Cross-Texas-Water-Grid-Key-Challenges-Costs-3.pdf>
4. Gabriel Collins, “*Prospective Costs and Consequences of Insufficient Water Infrastructure Investment in Texas*,” November 2024, https://texas2036.org/wp-content/uploads/2024/11/Prospective-Costs-and-Consequences-of-Insufficient-Water-Infrastructure-Investment-in-Texas_11182024_FinalCover.pdf
5. Gabriel Collins, “*The Economics of Water in Texas*,” Essentials of Texas Water Resources. (2024).
6. Collins, Gabriel and Gopal Reddy. 2022, “*How China’s Water Challenges Could Lead to a Global Food and Supply Chain Crisis*,” Research paper no. 11.14.22. Rice University’s Baker Institute for Public Policy, Houston, Texas. <https://doi.org/10.25613/526F-MR68>.
7. Gabriel Collins and Gopal Reddy, “*China’s Growing Water Crisis*,” Foreign Affairs, 23 August 2022, <https://www.foreignaffairs.com/china/chinas-growing-water-crisis>
8. Gabriel Collins, “*The Emerging Battle over Produced Water Ownership in Texas: A Legal and Practical Roadmap for Courts, Groundwater Owners, and Energy Producers*,” Tex. J. Oil Gas & Energy L. 16.1, 2021. https://texaswaterintelligence.files.wordpress.com/2021/05/collins_produced-water-ownership-in-texas_tjogel_2021.pdf
9. Gabriel Collins, J.D., “*Overruling The Rule of Capture: What Can Texas Learn From 10 Other States’ Groundwater Law Updates?*,” Baker Institute for Public Policy, Rice University, June 2021, <https://www.bakerinstitute.org/media/files/files/ccdd8528/ces-pub-groundwater-laws-060321.pdf>
10. Collins, Gabriel. 2021. The CLEAN Future Act and Oilfield-Produced Water Regulation: Potential Consequences for the U.S. and Global Energy Transition. Baker Institute Report no. 06.11.21. Rice University’s Baker Institute for Public Policy, Houston, Texas. <https://www.bakerinstitute.org/research/clean-future-act->

[and-oilfield-produced-water-regulation-potential-consequences-us-and-global-energy](#)

11. Collins G. 2020. *In Texas The Surface Estate Owns the Produced Water*. Texas Water Intelligence. 27 February 2020.
https://texaswaterintelligence.files.wordpress.com/2020/02/collins_twi_produced-water-ownership-in-texas_27-february-2020.pdf
12. Gabriel Collins, "Oilfield Water Infrastructure Connectivity: The Case for a 'Hydrovascular' Network in the Permian Basin," Texas Water Journal, Vol.11, No.1, 2020 (15-31), https://twj.media/wp-content/uploads/2020/02/Collins.opt_.pdf (peer reviewed)
13. Gabriel Collins, "The Texas Energy and Water Nexus," American Water Resources Association, Water Resources IMPACT, July 2019, <https://online.flippingbook.com/view/132890/24/> (24-26)
14. Gabriel Collins, "Economic Valuation of Groundwater in Texas," Texas Water Journal, Vol. 9, No.1, 2018 (50-68), <https://twj.media/economic-valuation-of-groundwater/>, (peer reviewed)
15. Gabriel Collins, "Groundwater Valuation in Texas: The Comparable Transactions Method," Baker Institute Report no. 03.20.18, Baker Institute for Public Policy, Houston, Texas, <https://www.bakerinstitute.org/research/groundwater-valuations-texas/>
16. Gabriel Collins, "Valuation of Groundwater In Place at a Texas Frac Water Supplier," Issue brief no. 12.07.17. Baker Institute for Public Policy, Houston, Texas, <https://www.bakerinstitute.org/research/valuation-groundwater-place-texas-frac-water-supplier/>
17. Gabriel Collins, "Frac Ranching vs. Cattle Ranching: Exploring the Economic Motivations Behind Operator-Surface Owner Conflicts Over Produced Water Recycling Projects," Issue brief no. 10.17.17., Baker Institute for Public Policy, Houston, Texas, <https://www.bakerinstitute.org/research/frac-ranching-v-cattle-ranching/>
18. Gabriel Collins, "Carbohydrates, H₂O, and Hydrocarbons: Grain Supply Security and the Food-Water-Energy Nexus in the Arabian Gulf Region," BIPP Paper in conjunction with Qatar Leadership Centre, September 2017 (published), https://www.bakerinstitute.org/media/files/files/96136d13/CES-pub-QLC_Nexus-061317.pdf
19. Gabriel Collins, "Iran's Looming Water Bankruptcy," Baker Institute for Public Policy Report, April 2017, <https://www.bakerinstitute.org/media/files/files/1dcfb1ab/CES-pub-IranWater-040317.pdf>
20. Gabriel Collins, "Oilfield Produced Water Ownership in Texas: Balancing Surface Owners' Rights and Mineral Owners' Commercial Objectives," February 2017, Baker Institute for Public Policy,

<https://www.bakerinstitute.org/media/files/files/23bd889f/CES-pub-ProdWaterTX-020817.pdf>

21. Gabriel Collins and Hilmar Blumberg, "*Implementing three-dimensional groundwater management in a Texas groundwater conservation district*," Texas Water Journal, Vol. 7, No.1, 2016 (69-81), https://journals.tdl.org/twj/index.php/twj/article/view/7037/pdf_17 (peer reviewed)
22. Gabriel Collins, "*Blue Gold: Commoditize Groundwater and Use Correlative Management to Balance City, Farm, and Frac Water Use in Texas*," 55 Nat. Resources J. 441 (2015). (peer reviewed)

Appendix B Selected Energy & Commodities Publications

1. Gabriel Collins and Igor Khrestin, “*Russia’s Blackout Warfare Needs a U.S. Counter*,” Foreign Policy, December 11, 2025, <https://foreignpolicy.com/2025/12/11/ukraine-blackout-energy-russia-deterrent/>
2. Gabriel Collins, “*Could the Permian Basin Become America’s Next AI Data Hub?*” Rice University’s Baker Institute for Public Policy, August 15, 2025, <https://doi.org/10.25613/CDF1-4006>.
3. Gabriel Collins and Michelle Michot Foss, “*Critical Minerals and Materials Geoeconomics: Lessons and Ideas From Past Wars and Strategic Competitions*,” Rice University’s Baker Institute for Public Policy, March 19, 2025, <https://doi.org/10.25613/084W-XS50>.
4. Gabriel Collins, “*Reality Is Setting In: Asian Countries To Lead Transitions in 2024 and 2025*” (Houston: Rice University’s Baker Institute for Public Policy, August 22, 2024), <https://doi.org/10.25613/FGC3-Y189>.
5. Gabriel Collins and Kenneth B. Medlock, III, “*Ukraine’s Electricity Sector: Urgency and Resilience in a Time of War*” (Houston: Rice University’s Baker Institute for Public Policy, August 14, 2024), <https://doi.org/10.25613/BC9H-J996>.
6. Gabriel Collins, J.D., “Energy Stockpiling as a China Strategic Warning Indicator,” June 2024, Invited testimony to U.S.-China Economic and Security Review Commission Hearing on “China’s Stockpiling and Mobilization Measures for Competition and Conflict,” https://www.uscc.gov/sites/default/files/2024-06/Gabriel_Collins_Testimony.pdf
7. Gabriel Collins, “Texas LNG Exports Are a Global Economic, Environmental, and National Security Asset” (Houston: Rice University’s Baker Institute for Public Policy, May 6, 2024). <https://www.bakerinstitute.org/research/testimony-texas-house-representatives-select-committee>
8. Gabriel Collins and Steven R. Miles, “Is the US Preparing to Ban Future LNG Sales to China?” (Houston: Rice University’s Baker Institute for Public Policy, April 25, 2024), <https://doi.org/10.25613/TA53-BN97>.
9. Gabriel Collins, “A US-Led Energy and Food Abundance Agenda Would Reshape the Global Strategic Landscape” (Houston: Rice University’s Baker Institute for Public Policy, April 11, 2024), <https://doi.org/10.25613/k0mb-7y09>.
10. Gabriel Collins. “Energy as a Strategic Space for China: Words and Actions Point to a Competitive Future.” Strategic Space. The National Bureau of Asian Research, February 28, 2024. <https://strategicspace.nbr.org/energy-as-a-strategic-space-for-china-words-and-actions-point-to-a-competitive-future/>.

11. Gabriel Collins and Steven R. Miles, "Why Is Europe Not Replacing Russian Pipeline Gas With Long-term LNG Contracts?" (Houston: Rice University's Baker Institute for Public Policy, September 13, 2023), <https://doi.org/10.25613/3FRC-FA56>.
12. Gabriel B. Collins, "China's Energy Import Dependency: Potential Impacts on Sourcing Practices, Infrastructure Decisions, and Military Posture," testimony before the U.S.-China Economic and Security Review Commission, hearing on "China's Energy Plans and Practices," March 17, 2022, https://www.uscc.gov/sites/default/files/2022-03/Gabriel_Collins_Testimony.pdf.
13. Gabriel Collins, Kenneth B. Medlock III, Anna B. Mikulska, and Steven R. Miles, "Strategic Response Options If Russia Cuts Gas Supplies to Europe" (Houston: Rice University's Baker Institute for Public Policy, Center for Energy Studies, February 11, 2022), <https://www.bakerinstitute.org/research/strategic-response-options-if-russia-cuts-gas-supplies-europe>.
14. Gabriel Collins and Michelle Michot Foss, "The Global Energy Transition's Looming Valley of Death" (Houston: Rice University's Baker Institute for Public Policy, January 27, 2022), <https://doi.org/10.25613/Y18Q-PM32>.
15. Gabriel Collins and Andrew S. Erickson. China's Climate Cooperation Smokescreen: A Roadmap for Seeing Through the Trap and Countering With Competition. Houston, TX: Rice University's Baker Institute for Public Policy, August 31, 2021. <https://www.bakerinstitute.org/research/chinas-climate-cooperation-smokescreen>
16. Gabe Collins, Mark P. Jones, Jim Krane, Ken Medlock, Francisco Monaldi, "Shale Renders the 'Obsolescing Bargain' Obsolete: Political risk and foreign investment in Argentina's Vaca Muerta," Resources Policy, Volume 74, 2021, 102269, ISSN 0301-4207, <https://doi.org/10.1016/j.resourpol.2021.102269>.
17. Gabriel Collins, "Has Unconventional Oil & Gas Development in the Texas Permian Basin Created a Subnational Resource Curse?" (Houston: Rice University's Baker Institute for Public Policy, Center for Energy Studies, Working Paper, May 20, 2021), <https://www.bakerinstitute.org/research/has-unconventional-oil-gas-development-texas-permian-basin-created-subnational-resource-curse>.
18. Jacob Koelsch, Michelle Michot Foss, Gabriel Collins, and Steven W. Lewis, "Chinese Firms Position for an Energy Transition Copper Supercycle" (Houston: Rice University's Baker Institute for Public Policy, Center for Energy Studies, Commentary, April 5, 2021), <https://www.bakerinstitute.org/research/chinese-firms-position-energy-transition-copper-supercycle>.
19. Collins, Gabriel. 2020. China's Debt Bubble and Demographic Stagnation Pose Major Risks to Global Oil Prices— and U.S. Shale Prospects. Issue brief no. 08.13.20. Rice University's Baker Institute for Public Policy, Houston, Texas.

<https://www.bakerinstitute.org/research/chinas-debt-bubble-and-demographic-stagnation-pose-major-risks-to-global-oil-pricesand-us-shale-pros>

20. Ringler, Claudia, Abdulaziz M. Alqarawy, William Brent, Gabriel Collins, Paul Orengho, Bridget Scanlon, and Lama Yaseen. "Enhanced Water Security and Energy Access: Key Investments for Sub-Saharan Africa." T20 Saudi Arabia Policy Brief, Task Force 10: Sustainable Energy, Water, and Food Systems, 2020. <https://www.global-solutions-initiative.org/publication/enhanced-water-security-and-energy-access-key-investments-for-sub-saharan-africa/>.

Appendix C **Selected Geoeconomics Publications**

1. Gabriel Collins, Tony Payan, and David A. Gantz, "Quantifying Investments in Mexico by China-Linked Entities," Rice University's Baker Institute for Public Policy, January 30, 2025, <https://doi.org/10.25613/RRV4-8046>.
2. Gabriel Collins, "The US-China Economic Relationship Needs 'Robust De-Risking,' and a Little Strategic 'Decoupling'" (Houston: Rice University's Baker Institute for Public Policy, November 13, 2023), <https://doi.org/10.25613/PP4T-M805>.
3. Gabriel Collins, Anna Mikulska, and Steven Miles, "Winning the Long War in Ukraine Requires Gas Geoeconomics" (Houston: Rice University's Baker Institute for Public Policy, August 25, 2022), <https://doi.org/10.25613/SGBD-QM60>.
4. Steven R. Miles, Gabriel Collins, and Anna Mikulska, "US Needs LNG to Fight a Two-Front Gas War" (Houston: Rice University's Baker Institute for Public Policy, August 18, 2022), <https://doi.org/10.25613/GDVP-QN45>.
5. Steven R. Miles and Gabriel Collins, "A Bridge Over Troubled Water: LNG FSRUs Can Enhance European Energy Security" (Houston: Rice University's Baker Institute for Public Policy, March 29, 2022), <https://doi.org/10.25613/XHR8-HB47>.
6. Collins, Gabriel and Anna Mikulska. 2021. Gas Geoeconomics: A Strategy to Harden European Partners Against Russian Energy Coercion. Policy brief: Recommendations for the New Administration. 02.12.21. Rice University's Baker Institute for Public Policy, Houston, Texas.
<https://www.bakerinstitute.org/research/gas-geoeconomics-strategy-harden-european-partners-against-russian-energy-coercion>
7. Gabriel Collins, J.D.; Anna Mikulska, Ph.D. "Trans-Atlantic Gas Diplomacy 2.0: Molecule-indifferent Gas Geoeconomics, Not Energy Sanctions, are the Best Option to Harden Europe Against Russian Gas Coercion,"
<https://www.bakerinstitute.org/research/molecule-indifferent-gas-geoeconomics-not-energy-sanctions-are-best-option-harden-europe-against-rus>

8. Collins, Gabriel and Andrew S. Erickson. 2020. Economic Statecraft: Options for Reducing U.S. Overdependence on Chinese-supplied Materials and Medications. Baker Institute Report no. 04.23.20. Rice University's Baker Institute for Public Policy, Houston, Texas. <https://www.bakerinstitute.org/research/economic-statecraft-options-reducing-us-overdependence-chinese-supplied-materials-and-medications>
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Appendix D

Selected National Security Publications

1. Kai Hartman and Gabriel Collins, "US Needs More Munitions To Safeguard Seaborne Energy and Goods Trade," Rice University's Baker Institute for Public Policy, April 11, 2025, <https://doi.org/10.25613/JY4E-D537>.
2. Gabriel Collins and Andrew S. Erickson, "Annexation of Taiwan: A Defeat From Which the US and Its Allies Could Not Retreat" (Houston: Rice University's Baker Institute for Public Policy, August 1, 2024), <https://doi.org/10.25613/56E8-WC54>.
3. Gabriel Collins and Andrew S. Erickson, "Reaping the Whirlwind: How China's Coercive Annexation of Taiwan Could Trigger Nuclear Proliferation in Asia and Beyond" (Houston: Rice University's Baker Institute for Public Policy, October 25, 2023), <https://doi.org/10.25613/FBM1-JE11>.
4. Gabriel Collins and Andrew S. Erickson, "Could China Take Over Taiwan's Semiconductor Industry without Invading? " (Houston: Rice University's Baker Institute for Public Policy, September 27, 2023), <https://doi.org/10.25613/D4ER-0D37>.
5. Gabriel Collins and Jack Bianchi, "China's LOGINK Logistics Platform and Its Strategic Potential for Economic, Political, and Military Power Projection" (Houston: Rice University's Baker Institute for Public Policy, April 25, 2023), <https://doi.org/10.25613/DAEV-F661>.
6. Bronk, Chris, Gabriel Collins, and Dan S. Wallach. "The Ukrainian Information and Cyber War." *The Cyber Defense Review* 8, no. 3 (2023): 33–50. <https://www.jstor.org/stable/48755360>. (peer reviewed)
7. Erickson, Andrew S. and Collins, Gabriel B. (2022) "Putin's Ukraine Invasion: Turbocharging Sino-Russian Collaboration in Energy, Maritime Security, and Beyond?," *Naval War College Review: Vol. 75: No. 4, Article 8*. <https://digital-commons.usnwc.edu/nwc-review/vol75/iss4/8> (peer reviewed)
8. Gabriel Collins, J.D., *Russia's War on Ukraine and Lessons for Strategic Competition with China*, Research Presentation (Rice University's Baker Institute)

Center for Energy Studies, October 4, 2022), accessed via Collins Research Portal, https://collinsresearchportal.com/wp-content/uploads/2022/10/collins_ukraine_the-long-war-and-the-next-war_4-october-2022.pdf

9. Christopher Bronk, Gabriel Collins, and Dan Wallach, "Cyber and Information Warfare in Ukraine: What Do We Know Seven Months In?" (Houston: Rice University's Baker Institute for Public Policy, September 6, 2022), <https://doi.org/10.25613/69E1-WZ16>.
10. Gabriel Collins and Andrew S. Erickson, "U.S.-China Competition Enters the Decade of Maximum Danger: Policy Ideas to Avoid Losing the 2020s" (Houston: Rice University's Baker Institute for Public Policy, Center for Energy Studies, December 20, 2021), <https://www.bakerinstitute.org/research/us-china-competition-enters-decade-maximum-danger>.
11. Collins, Gabriel and Andrew S. Erickson. 2020. Hold the Line Through 2035: A Strategy to Offset China's Revisionist Actions and Sustain a Rules-based Order in the Asia-Pacific. Baker Institute Research Paper. November 2020. Rice University's Baker Institute for Public Policy, Houston, Texas. <https://www.bakerinstitute.org/research/hold-the-line-through-2035-a-strategy-to-offset-chinas-revisionist-actions-and-sustain-a-rules-based>
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