

CURRICULUM VITAE



Name: NICOLE ROSENTHAL
Company: DHInfrastructure
Position: Manager
Years experience: 6
Citizenship: United States

SUMMARY OF EXPERIENCE

Nicole has experience with consumer willingness-to-pay surveys, cost of service studies, economic and financial analysis, and project evaluation. She has an MS in Resource Economics from the University of Massachusetts and dual degrees (BA and BS) in Economics and Business from Westfield State University's Honors Program.

COUNTRIES OF EXPERIENCE

Kyrgyzstan, Tajikistan, China, United States, Albania, Bosnia and Herzegovina, Kazakhstan, Macedonia, The former Yugoslav Republic of, Serbia, Kiribati, Tanzania, Colombia, Egypt, India, Kenya, Pakistan, Peru, Philippines, Senegal, Uganda, Ukraine, Vietnam, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Congo, Congo, The Democratic Republic of the, Cote d'Ivoire, Ethiopia, Gambia, Guinea, Madagascar, Malawi, Mali, Mauritania, Mozambique, Niger, Nigeria, Sierra Leone, South Africa, Zambia, Turkey, Armenia, Azerbaijan, Republic of Georgia, Turkmenistan, Uzbekistan, Regional, Timor-Leste, Nauru, Afghanistan, Mongolia, Belarus, Montenegro, Kosovo

QUALIFICATIONS AND PROFESSIONAL MEMBERSHIPS

New England Women in Energy and the Environment
American Evaluation Association

OTHER TRAINING

Eastern NARUC Utility Rate School 2016
American Evaluation Association Summer Evaluation Institute 2019

LANGUAGES

Language	Reading	Speaking	Writing
English	Good	Good	Good

PROFESSIONAL EXPERIENCE

PERIOD	EMPLOYER AND POSITION	RESPONSIBILITIES
Jan 2015 - Current	DHInfrastructure Manager	Manage and work on consulting projects for development banks and domestic clients.
Jan 2013 - Jan 2015	University of Massachusetts Amherst, Resource Economics Department Graduate Assistant	Researched economic impacts of the U.S. Food Safety and Modernization Act. Researched consumer willingness-to-pay for certified Bee Friendly blueberries. Assisted with teaching the course "Hunger in a Global Economy".

PROJECT EXPERIENCE

Developing and Updating an Energy Sector Note for the Kyrgyz Republic, 2019-2019

Country: Kyrgyzstan
Client: The World Bank
Role: Manager
Sector: Policy and Regulation, Electricity, Heating

DHInfrastructure wrote a policy note in 2013 evaluating the most important technical, financial, and policy-related challenges in the Kyrgyz Republics energy sector and recommending how best to address those challenges. DHInfrastructure provided two previous updates to this note, with company-specific and sector data from 2016 and 2017. The World Bank wanted another update of this policy note, to reflect 2018 data. The update informed the evaluation of options for the tariff path considered by the regulator and informed dialog with government and regulator on policy changes, including risk mitigation methods for revenue variations caused by cyclical hydrologic conditions.

Nicole updated cost of service models for the electricity and heating sectors to reflect current data and incorporated the true future cost of service if necessary CAPEX investments are made to address rehabilitation and additional capacity needs. She used these models to project cost-recovery tariffs through 2023 and the sector deficit under a baseline scenario and several tariff path scenarios. She assessed tariff path options, including lowering the lifeline threshold and gradually reducing cross-subsidies to residential customers. She also provided recommendations on policies for mitigating hydrologic risk, including tariff adjustments, cash reserves, a stabilization fund, contingency loans, and weather insurance.

Tajikistan: Geospatial electrification analysis for the Gorno-Badakhshan Autonomous Oblast (GBO) and Khatlon regions, 2019-2019

Country: Tajikistan
Client: World Bank
Role: Manager
Sector: Electricity, Sector Planning

The World Bank wanted assistance developing recommendations to the Government of Tajikistan on ensuring last-mile access to electricity services in specified geographical locations in GBO and Khatlon regions. These recommendations were to be informed by a technical and economic analysis to identify technically feasible and economically least cost solutions for last-mile access in the specified regions and an investment plan for electrification of target settlements to meet their projected energy demand in 2020-2035.

Nicole worked on all project outputs.

Economic Analysis of Elder Care in China, 2018-2019

Country: China
Client: Asian Development Bank (ADB)
Role: Support Staff
Sector: Public Private Partnerships, Sector Planning

The Asian Development Bank (ADB) is working with the provincial government of Guangxi in China to design a three-tiered elderly care system that provides care at home, in the community, and at residential and nursing facilities. This system will integrate elderly care services with health care. ADB wanted to assess the economic viability of five such facilities, one of which was being procured as a public-private partnership (PPP).

Nicole reviewed surveys that assessed the demand for home- and community-based elder care services and provided research into existing data sources for the background paper.

MD PSC Case 9486: WGL Infrastructure Replacement Plan, 2018-2018

Country: United States
Client: Maryland's Office of People's Counsel
Role: Support Staff
Sector: Oil and Gas, Policy and Regulation

Marylands Strategic Infrastructure Development and Enhancement (STRIDE) program provides a cost recovery mechanism to incentivize local gas distribution companies to accelerate improvements in gas infrastructure. Washington Gas Light (WGL) filed a request to the Maryland Public Service Commission (PSC) to establish its second five-year plan (STRIDE 2 Plan) and associated surcharge. WGL's STRIDE 2 plan included separate transmission and distribution plans consisting of the same 11 categories being replaced under their existing distribution and transmission plans, as well as one new transmission asset category. Within its role as a consumer advocate, Maryland's Office of People's Counsel (OPC) intervened in the proceeding on behalf of WGL's residential consumers and wanted to hire a firm to support its staff with its review of WGL's proposed STRIDE 2 plan and surcharge recovery mechanism.

Nicole worked on a pre-filed direct testimony on behalf of the OPC that focused on WGL's performance during its initial STRIDE program, its budgeting approach, and the STRIDE eligibility of the new transmission asset category. She reviewed WGL's expert witnesses' testimonies, prepared discovery requests, and drafted portions of the testimony.

Piloting a Methodology for Assessing Indirect Impacts, 2018-2019

Country: Albania
Client: International Finance Corporation (IFC)
Role: Evaluation Specialist
Sector: Clean Energy, Evaluation, Public Private Partnerships

The International Finance Corporation (IFC) had developed guidance materials and data collection tools to help operational teams in the Renewable Energy and Power Advisory Group assess and report the indirect impacts of their advisory services. The aim of this project was to train IFC operational teams in each market to use the tools and guidance materials to collect data on market development and stakeholder sentiment and create a credible argument that attributes market development to IFC's intervention.

Nicole developed theories of change for each program and analyzed data to support the attribution of indirect impacts to IFC's energy advisory services.

Preparation of the SREP Investment Plan for Kiribati, 2018-2018

Country: Kiribati
Client: The World Bank
Role: Project Analyst
Sector: Clean Energy, Sector Planning

The Government of Kiribati requested assistance in the preparation of an Investment Plan, which would be used to apply for renewable energy project funding through the Climate Investment Fund's Scaling Up Renewable Energy Program (SREP). The primary objective of the Investment Plan was to identify renewable energy projects where SREP resources and other sources of funds could be used to overcome barriers to investment.

Nicole researched Kiribati's energy sector for the Investment Plan. She also prepared a presentation for the inception mission, which provided an overview of SREP and a renewable energy viability assessment for the technologies under consideration.

Water Tariff and Affordability Study in Arusha, Tanzania, 2017-2018

Country: Tanzania
Client: Arusha Urban Water Supply and Sanitation Authority
Role: Data Analyst
Sector: Policy and Regulation, Water and Sanitation

The Arusha Urban Water Supply and Sanitation Authority (AUWSA) wanted to conduct a tariff and willingness-to-pay study as part of an African Development Bank (AfDB) funded project to improve and expand the water and sanitation network in Arusha City. The two components of the project included a cost-of-service study and a willingness-to-pay study. For the of the cost-of-service study, AUWSA wanted a financial model that they could use for future tariff filings to the water sector regulator. They also wanted the model to allow them to forecast the impact of increased debt service on its financial performance and tariff levels. AUWSA wanted a willingness-to-pay study to understand how much they could charge for new water connections and septic tank vacuum truck services.

Nicole advised on the design of the willingness-to-pay survey and was responsible for checking and cleaning the response data. Nicole used STATA to model consumers willingness to pay for improved piped water service. She also analyzed willingness to pay for sewerage and septic tank vacuum truck services. Nicole conducted additional analysis on the survey results (including reasons respondents were unwilling to pay more, preferred payment methods, preferred subsidy mechanisms, etc.).

Preparing a Cost-Recovery Flagship Report for the World Bank, 2017-2018

Country: Colombia
Client: The World Bank
Role: Team Leader
Sector: Electricity, Policy and Regulation

The World Bank wanted assistance preparing 15 country case studies and a thematic flagship report for the financial viability theme of its global knowledge program, "Rethinking Power Sector Reforms." The target countries were Colombia, Dominican Republic, Egypt, India, Kenya, Morocco, Pakistan, Peru, Philippines, Senegal, Tajikistan, Tanzania, Uganda, Ukraine, and Vietnam.

Nicole analyzed the cost-recovery models and utilities' financial statements to provide a complete picture of financial viability in the electricity sectors in each of the 15 countries. She consolidated the data for each country into a database of roughly 300 indicators, including a mix of her original calculations (primarily financial indicators) and data sourced from the models, company financial statements, and other World Bank and external sources. She calculated correlations and graphed trends in these data to tell a story about how reform efforts and sector/country contexts have contributed to changes in cost recovery and financial viability of the electricity sectors. She wrote a thematic report summarizing these findings, complimented by anecdotes from the country case studies. The results of this report were presented at the World Banks Energy Week, 2019.

Developing an Africa Energy Strategy for the World Bank, 2017-2018

Country: Burkina Faso
Client: The World Bank
Role: Manager
Sector: Sector Planning, Electricity

The World Bank wanted to compile a set of Country Engagement Notes for 26 African countries, including an overview of past progress, ongoing challenges, and potential areas for World Bank engagement in each country's energy sector. The World Bank wanted the Notes to be incorporated into a regional synthesis report that summarized corporate and regional commitments in Africa as well as the Bank's current engagement strategies. The Notes would be used to inform World Bank operations during the International Development Association (IDA) 20182019 period.

Nicole designed a template for the Notes and selected key performance indicators to describe each energy sectors progress related to access, security of supply, operational competence, financial viability, and financing. She calculated scores for each indicator and reviewed World Bank reports to identify sector challenges, targets, and upcoming or

potential World Bank engagements, which she summarized in the Notes. She participated in meetings with each World Bank country team and incorporated feedback into a final set of Notes. Nicole also drafted parts of the regional synthesis report, which consolidated each country's challenges and provided an overview of past World Bank operations and paradigm shifts for future engagement in the region.

Terminal Evaluation of the GEF-funded Geofund Turkey Project, 2017-2017

Country: Turkey
Client: International Finance Corporation (IFC)
Role: Evaluation Analyst
Sector: Public Private Partnerships, Evaluation, Clean Energy

The International Finance Corporation (IFC) wanted an external evaluation of the Global Environmental Facility (GEF)-funded Geofund Turkey Project, which aimed to promote private sector geothermal energy development by developing and piloting geothermal well productivity insurance (GWPI) and by providing capacity building to developers and to financial institutions. The objectives of the evaluation were to elaborate on and synthesize the lessons learned from the project to help improve the selection, design, and implementation of future GEF and IFC activities and to assess the potential and scope for future IFC interventions to address barriers to private sector geothermal development in Turkey and other countries.

Nicole evaluated the Geofund Turkey Project in terms of its progress toward priorities, objectives and targets; its operations and processes; and its approach to developing and piloting geothermal well productivity insurance (GWPI) in Turkey's geothermal market. She provided advice on the project's theory of change and analyzed project documents to identify changes in target outcomes and impacts throughout the course of the project, which had several changes in scope. She also conducted interviews with stakeholders involved on the project.

Evaluating an ADB Power Project in Pakistan, 2017-2017

Country: Pakistan
Client: Asian Development Bank (ADB)
Role: Manager
Sector: Evaluation, Clean Energy, Electricity

The Asian Development Bank (ADB) Independent Evaluation Department needed an independent consultant to validate an evaluation of the Zorlu Enerji Power Project as a part of its 2016-2017 work program for Extended Annual Review Report (XARR) validation.

Nicole drafted the XARR Validation Report. She summarized the project background and described the ratings and justifications provided in the XARR. She then compared the evidence provided in the XARR against ADB guidelines. For the areas of disagreement, she provided alternative interpretations supported by ADB guidelines and developed a revised overall rating of the project.

Serbia Utility Financial Analysis and Renewable Energy Policy, 2017-2017

Country: Serbia
Client: The World Bank
Role: Manager
Sector: Policy and Regulation, Clean Energy, Sector Planning, Electricity

The World Bank wanted to help the Government of Serbia identify economic options for generation investment and network development over a 20-year time horizon and assess the implications of renewable energy integration on electricity end-user tariffs. The World Bank also wanted to analyze the current financial condition of Electric Power Industry of Serbia (EPS), progress toward targets outlined in its Development Policy Loan, and tariff increases to achieve financial sustainability through 2025.

Nicole updated an existing model that forecast's EPS' financial statements through 2025 in order to most accurately reflect the current situation in the sector and analyzed the yearly tariff increase required under several sensitivity scenarios. She developed a presentation summarizing these results and met with EPS and the Ministry of Mining and Energy to gather data, refine the analysis, and discuss options for increasing the tariff. Using data provided by EPS, she assessed EPS' financial situation, progress toward Development Policy Loan targets, and areas where more work is still needed. She also researched renewable energy uptake and policy in the country and the surrounding region and policy alternatives to the feed-in tariff.

Sierra Leone Regulatory Strengthening and Tariff Development, 2017-2018

Country: Sierra Leone
Client: Millennium Challenge Corporation Coordinating Unit (MCCU)
Role: Support Staff
Sector: Policy and Regulation, Electricity, Water and Sanitation

MCC wanted to support the Commissioners and technical staff of Sierra Leone's Electricity and Water Regulatory Commission (EWRC) in developing the skills and knowledge necessary for EWRC to become an effective, independent, and transparent regulator for the electricity and water sectors. Specifically, MCC wanted to develop a training program for EWRC's Board of Directors; develop a business plan for the regulator; develop key regulations and tariff methodologies for both sectors; provide substantial training and capacity building to EWRC staff; and provide ongoing advisory support through an embedded regulatory advisor. MCC hired AARC, with DHInfrastructure as subcontractor, to implement the project.

Nicole drafted a uniform system of accounts for the electricity and water sectors of Sierra Leone and incorporated this system into the tariff filing documents.

Abengoa Kaxu Project Evaluation, 2016-2017

Country: South Africa
Client: International Finance Corporation (IFC)
Role: Analyst
Sector: Evaluation, Clean Energy, Electricity

Abengoa KaXu is a 100 MW power plant developed by Abengoa Solar South Africa Pty Ltd, in the Northern Cape Province of South Africa. KaXu was the first operational private sector utility-scale CSP plant with storage in the developing world. After the first year of the plant's operation, IFC wanted an evaluation to inform IFC Blended Finance Unit, IFC management, CTF member countries, the climate finance community, and other key stakeholders of the development outcomes achieved by the project through design, construction and first year of operation. The evaluation would also gather baseline data for a potential second phase evaluation and would further assess the role that KaXu project has played as part of the CTF South Africa Investment Plan as well as the Government of South Africa's Renewable Energy Independent Power Producer Procurement (REIPPP) Programme. Lastly, the evaluation would provide lessons learned for future projects of this kind.

Nicole participated in interviews of development agency, Government, and private sector stakeholders involved in the Abengoa KaXu project. She also reviewed project documents, researched the project and country context in order to answer evaluation questions, and wrote sections of the evaluation report. The evaluation centered around the benefits and challenges of concessional financing through CTF, Abengoa as a sponsor, and relevance of the project to country strategies and long term RE goals. The evaluation also focused on the potential demonstration effect that KaXu has had on more recent CSP projects.

Promoting Good Jobs and Inclusive Growth through Energy Projects in Central and West Asia, 2016-2017

Country: Armenia
Client: Asian Development Bank (ADB)
Role: Project Manager

Sector: Evaluation, Electricity

ADB wanted a consultant to analyze the links between energy sector projects, good jobs, and inclusive growth in Central and West Asia (CWA), as a part of a larger study on the impacts of MDB projects on good jobs and inclusive growth in the region. This analysis would offer advice to ADB, other MDBs, and MDB borrowers that would help to design and implement energy sector interventions that achieve these objectives, and to measure progress against these objectives.

Nicole reviewed existing literature on good jobs and inclusive growth (especially literature specific to the CWA region or the energy sector), along with project documents from ADB and other MDBs. She also participated in interviews with ADB staff on their observations of energy sector project impacts, and their experiences with evaluating good job and inclusive growth impacts. Additionally, Nicole used existing data to test the theory presented in the literature. Nicole synthesized findings from these sources into a report.

WB Economic Viability of SHPPs in Kyrgyzstan, 2016-2016

Country: Kyrgyzstan

Client: The World Bank

Role: Project Manager

Sector: Policy and Regulation, Clean Energy, Sector Planning, Electricity

Hydropower has historically played an important role in the power sector of the Kyrgyz Republic, but hydropower capacity has become increasingly inadequate to meet growing demand, particularly during winter months. The World Bank wanted to hire a consulting firm to give the Government of the Kyrgyz Republic a better understanding of the economic viability of small hydropower (SHPP) development in the Kyrgyz Republic and the financial support that would be required to facilitate and maintain the commercial operation of SHPPs in the short and long term. The economic and financial analysis conducted as part of this project complements a concurrent assignment of the legal and regulatory framework for SHPPs in the Kyrgyz Republic that is being carried out by the World Bank. Together, these two projects provide insight into the feasibility of developing SHPP potential in the Kyrgyz Republic.

Nicole was responsible for calculating the levelized costs of 81 SHPP sites, using DHInfrastructure's LCOE-z tool. She also calculated the costs of other energy sources for comparison (thermal generation and imports). Based on these benchmarks, Nicole assessed the financial and economic viability of SHPPs. She also compared financial costs of SHPPs to the feed-in-tariff, calculated under various methodologies (including the previous and current methodologies, and a recommended new FIT based on marginal cost). She demonstrated the increase in financial viability of SHPPs, which can be gained through extended off-take periods.

Timor-Leste District Capitals Water Tariff Study, 2016-2016

Country: Timor-Leste

Client: Asian Development Bank (ADB)

Role: Analyst

Sector: Policy and Regulation, Water and Sanitation

The Government of Timor-Leste has committed to providing safe, 24-hour piped water supply to all urban households by 2030 under the country's Strategic Development Plan 2011-2030. Achieving this objective will require not only substantial investment in rehabilitating and expanding water supply systems, but will require on-going investments in operations and maintenance to ensure sustained improvements in water supply services. As part of this plan, the Ministry of Public Works Transport and Communications (MOPTC) is preparing a new National Water Supply Policy and revising tariff rates. The Asian Development Bank is supporting MOPTC to (1) review the Water Services Tariff Policy, (2) confirm that the principles for tariff setting are appropriate, (3) review tariff structure and rates and (4) provide adjustments to ensure that rates are consistent with tariff policy objectives and principles.

Nicole assisted with desk research on the costs of delivering urban water supply services, and other socio-economic information in Dili and municipal/autonomous region capitals. She also assisted with the review of the current Water Services Tariff Policy, and the preparation of a financial model, which estimates the costs of delivering safe 24-hour piped water supply services in Dili, Manatuto, and Oecusse.

Nauru Power and Water Tariff and Subsidy Reform, 2015-2016

Country: Nauru
Client: Asian Development Bank (ADB)
Role: Analyst
Sector: Policy and Regulation, Electricity, Water and Sanitation

The Government of Nauru requested technical assistance (TA) from the Asian Development Bank (ADB) to reform electricity tariffs for its national utility provider, Nauru Utilities Corporation (NUC). This TA aimed to contribute to long-term sustainability and viability of NUC as an electric utility and to support proposed investments in NUC's generation facilities under ADB's Nauru Electricity Supply Security and Sustainability Project. The scope of the TA was subsequently expanded to include support for water tariff reforms. The objective of this additional TA was to make similar tariff-setting and subsidy recommendations for NUC's Water Service Division.

Nicole worked as an analyst on this project. She provided advice on the design of a willingness-to-pay (WtP) survey, modeled WtP from the responses, and determined the factors that most influence WtP. She also analyzed customers' preferences for payment methods. She synthesized these results into a section of the final report.

Contingent Valuation Study for Water Supply and Solid Waste Disposal in Dili, 2015-2015

Country: Timor-Leste
Client: Asian Development Bank (ADB)
Role: Analyst
Sector: Urban Services, Water and Sanitation

The Asian Development Bank (ADB) asked DHInfrastructure to develop and administer a contingent valuation study to assess the population of Dili's willingness-to-pay for improved water supply and solid waste management services. The contingent valuation study was part of the Dili Urban Services Improvement Sector Project, an ADB grant which aims to support the Government of Timor-Leste in reaching its goal to achieve universal water access by 2030, and expand clean and reliable solid waste collection services to all residents of Dili. The contingent valuation study supported the Dili Urban Services Improvement Sector Project by providing an understanding of the likely response of customers to tariff increases which may be necessary to finance new investment in the water and solid waste sectors.

Nicole served as the analyst on this assignment. To that end, she developed a survey methodology and instrument and conducted a desk review of the literature on current conditions in the water and solid waste sectors in Dili. During the survey implementation phase, Nicole conducted interim analysis, data cleaning, and checks on the 600 responses, so as to communicate to the field team any enumeration errors. After the survey was administered, Nicole developed multiple model specifications to calculate mean and median willingness-to-pay (WtP) and determined which factors most influence willingness to pay for improvements to water supply and solid waste services in Dili. She also analyzed differences in WtP between poor and non-poor respondents, and looked at preferences for subsidy mechanisms.

Support for the Central Asia Regional Economic Cooperation (CAREC), 2015-2016

Country: Afghanistan
Client: Asian Development Bank (ADB)
Role: Project Manager
Sector: Public Private Partnerships, Policy and Regulation, Clean Energy, Electricity, Heating, Oil and Gas

The Central Asia Regional Economic Cooperation (CAREC) Program is a partnership of 10 countries and six multilateral development partners which uses regional cooperation to promote economic growth and poverty reduction. The Asian Development Bank (ADB), as the Secretariat of CAREC, hired DHInfrastructure to help plan CAREC's energy sector activities during the 2016 to 2020 period, and to supervise the preparation of a report on the potential for public private sector investment in member countries energy sectors. DHInfrastructure was the principal author of the CAREC Energy Work Plan and updated Energy Strategy, and provided technical inputs and quality control of deliverables produced by other consultants for CAREC.

Nicole managed the final portion of this project, involving support to the development of Energy Sector Financing Roadmaps for CAREC member countries. Nicole provided comments and suggestions on the drafts of these reports.

Scaling Up Energy Efficiency Retrofit of Residential and Public Buildings, 2015-2015

Country: Belarus
Client: The World Bank
Role: Analyst
Sector: Clean Energy, Electricity, Heating

The World Bank requested a report for the Government of Belarus that would recommend financing and delivery options for scaling up energy efficiency investments in thermal retrofits and heating system upgrades in residential and public buildings. The assignment consisted of four parts: 1.) a stocktaking of the legal, regulatory, and institutional environment and characteristics of the building sector, including management, ownership, and financing procedures; 2.) an assessment of the potential for energy efficiency improvements and their associated investment needs; 3.) an analysis of the barriers and potential solutions to investment; and 4.) development of a road map and areas for donor involvement.

Nicole provided comments on the design of a survey conducted for households both with and without thermal renovations. The survey was conducted to understand households' perceptions of current thermal comfort levels and attitudes towards thermal retrofits in multi-apartment buildings.

Financial Analysis of Power Sector Utilities in the Western Balkans, 2014-2016

Country: Albania
Client: The World Bank
Role: Team Leader
Sector: Policy and Regulation, Electricity

Existing network and end-user power tariffs in the Western Balkans do not adequately reflect the cost of service provision, and thus cannot support new generation investments, either by attracting private investors or by providing domestic utilities with the means to invest on their own. For the purpose of assessing the financial viability of the power sector, the World Bank requested a comprehensive financial analysis of the power sector in five countries of the Western Balkans. Later, the World Bank requested an update to this analysis, to include current data, additional utilities, and add Albania to the analysis.

Nicole updated the financial model to provide up to date cost of service estimates and evaluations of the adequacy of existing tariffs in each of the target countries (Bosnia & Herzegovina, Kosovo, Macedonia, Montenegro, Serbia, and Albania). She also updated the fiscal and quasi-fiscal deficits attributable to the power sector in each country, and relevant financial ratios. She updated the previous report to reflect these changes.

Development of a Water Supply and Sanitation Strategy for the Kyrgyz Republic, 2013-2016

Country: Kyrgyzstan
Client: Asian Development Bank (ADB)
Role: Analyst
Sector: Policy and Regulation, Water and Sanitation

The Government of the Kyrgyz Republic asked ADB to provide technical assistance in reforming its rural water supply and sanitation sector (WSS), through the development of a rural WSS policy, the strengthening of sector institutions, and the development of a framework for better capital expenditure planning and system maintenance.

Nicole helped to develop a willingness-to-pay (WtP) survey instrument, monitored the results as they came in for enumeration errors, cleaned the data, modeled the results to determine WtP, and wrote a report on the factors that contribute to WtP. She also helped to research the institutional, legal, and regulatory structure in the sector.