

Beverly A. Parker

Project Administrator | Desert Research Institute
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Program Administration Profile

- Program development and evaluation, team management and assessment, relationship management, outreach and public communication, resource management, and staff training.
- Project administration, data collection and analysis, project reporting, proposal development, records management, and quality assurance.
- Development of Excel-based programs to support monthly cost and performance reporting, proposal cost estimates, data collection and analysis, and records management.
- Science curriculum development and presentation, student behavior management, student assessment, and interdepartmental collaboration.

Education

MASTER OF PUBLIC ADMINISTRATION | MAY 2022 | UNIVERSITY OF NEVADA, LAS VEGAS

- Concentration: Public Administration
- January 2021 – May 2022; Graduate Coordinator – Jessica K. A. Word, Ph.D.
- Recipient of the James F. Adams/GPSA Scholarship
- Project leader for the Outstanding Capstone Project
- Related coursework: Organizational theory, governance, research and analytical methods, law and public policy, policy analysis, program evaluation, and public goods and finances

GRADUATE CERTIFICATE | DECEMBER 2020 | UNIVERSITY OF NEVADA, LAS VEGAS

- Concentration: Nonprofit Management
- January 2020 – December 2020; Nonprofit Certificate Advisor – Jessica K. A. Word, Ph.D.
- Related coursework: Nonprofit management, grant proposal evaluation, grant writing, performance measurement, leadership and ethics, organizational behavior, and strategic planning

BACHELOR OF SCIENCE | APRIL 1996 | BRIGHAM YOUNG UNIVERSITY (PROVO, UTAH)

- Major: Biology Secondary Teaching
- Emphasis: Botany
- August 1990 – April 1996
- Related coursework: Biology, microbiology, zoology, environmental biology, evolutionary science, bioethics, human physiology, applied physics, chemistry, organic chemistry, geology, physical science, geography, botany, plant classification, plant physiology, foundations of teaching, multicultural education, theory and methods of education, behavior management, and student assessment

Employment History

DECEMBER 2021 – PRESENT

- Project Manager, Community Environmental Monitoring Program, Division of Hydrologic Sciences, Desert Research Institute (DRI), Las Vegas, Nevada.

DECEMBER 2018 – PRESENT

- Project Administrator, Division of Hydrologic Sciences, Desert Research Institute (DRI), Las Vegas, Nevada.

AUGUST 2017 – DECEMBER 2018

- Project Control Specialist, Division of Hydrologic Sciences, Desert Research Institute (DRI), Las Vegas, Nevada.

AUGUST 2015 – APRIL 2017

- Estimating Assistant, Sahara, LLC, Bountiful, Utah.

JUNE 2014 – AUGUST 2015

- Assessment Director, Legacy Preparatory Academy, Woods Cross and North Salt Lake, Utah.

JUNE 2013 – MAY 2014

- Response to Intervention Coordinator, Science Department Chair, and Science Teacher, Legacy Preparatory Academy, Woods Cross and North Salt Lake, Utah.

JUNE 2010 – MAY 2013

- Science Department Chair and Science Teacher, Legacy Preparatory Academy, Woods Cross, Utah.

Professional Experience

PROJECT MANAGER FOR THE COMMUNITY ENVIRONMENTAL MONITORING PROGRAM

January 2022 – Present: Desert Research Institute

Manager the Community Environmental Monitoring Program (CEMP), a 20-year citizen science program in Nevada, California, and Utah that is funded through DRI's Technical Research, Engineering, and Development Services (TREDS) contract with the Department of Energy (DOE). Plan, develop, and implement actions necessary for CEMP operations and management. Oversee operation of a network of radiation and meteorological monitoring stations in communities surrounding the DOE's Nevada National Security Site. Identify, hire, and assist with training of new Community Environmental Monitors (CEMs). Coordinate with the CEMP field supervisor, route technicians, and CEMs to ensure scheduling and completion of regular maintenance activities at community monitoring sites. Monitor sample collection and the analytical process in consultation with the field supervisor, route technicians, sample manager, and Quality Assurance (QA) officer. Review quarterly reports of analytical results with the QA officer as necessary for anomalous data. Work with CEMP personnel to identify and implement relevant new technologies to improve data collection, data distribution, and cost efficiencies. Approve expenses and monitor the program budget. Conduct regular staff meetings for CEMP personnel.

Serve as the primary point of contact for the CEMP federal program manager. Produce the annual program proposal and associated cost estimates for DOE's approval. Submit quarterly analytical reports to DOE. Produce monthly reports to DOE that address current and future program activities and progress on milestones. Maintain regular communications with DOE program management. Oversee data

collection and reporting of calendar year CEMP summary data. Develop program reports for publication in DOE's annual report. Produce an annual CEMP self-assessment report.

Administer CEMP public outreach and engagement activities and enlist participation and engagement of other CEMP staff in these activities. Work with CEMP staff and CEMs to identify opportunities for public outreach and engagement in participating regions. Maintain regular communication with CEMs regarding current relevant events and regularly solicit feedback regarding relevant community concerns. Schedule, plan, and facilitate the annual CEMP workshop, including identifying potential speakers and developing the agenda. Ensure CEMP presentations, reports, and informational products receive appropriate approval for public release. Produce a monthly memorandum for distribution to CEMs and program personnel. Review and select relevant articles for inclusion in the monthly memorandum. Respond to media information or interview requests regarding the CEMP. Respond to other public inquiries and requests for information regarding the CEMP. Report all media interactions and significant or concerning public interactions to DOE's CEMP program manager, DOE's office of public information, DRI's Public Relations and Government Relations, and DRI's TREDIS contract management.

PROJECT ADMINISTRATOR, PROJECT CONTROL SPECIALIST

August 2017 – Present: Desert Research Institute

Administer operational processes specific to DRI's longest, most lucrative TREDIS contract with DOE. Assist in the creation, evaluation, coordination, and submission of the cost estimate for the 5.5-year \$50 million TREDIS contract renewal. Assist in the creation, evaluation, coordination, and submission of the annual project proposals and budgets under the current multi-year, \$40 million TREDIS contract. Generate project specific financial and performance data. Collect and evaluate project data to prepare and submit required monthly project reports. Create complex project data processing programs in Excel for contract estimate development, proposal development, and project control reporting. Monitor and update budgets. Advise project managers during task proposal development and monthly reporting. Serve as point of contact for DOE project control and federal program managers. Support the business manager through preparation of the contract's monthly cost report and data files for monthly invoices.

Conduct derivative classification and quality assurance reviews of all TREDIS-related information products intended for public release (such as technical reports, manuscripts, posters, and presentations). Coordinate, submit, and track the federal process for approval to publish information products. Periodically maintain, validate, update, and archive project records. Review and archive routine and non-routine data documentation packages.

Support the CEMP by conducting sample quality assurance and processing duties. Create and maintain a records management plan for the CEMP to organize and archive the program's 20 years of samples, documents, and data files. Create an Excel based records index database for the CEMP archive. Manage logistics for the annual multi-day CEMP conference.

TEAM LEADER

September 2021 – Present: University of Las Vegas

Coordinate team efforts to complete a program evaluation of WaterStart's pilot projects. Serve as point of contact for the team's faculty advisor, WaterStart's representatives, and contacts from water utilities and providers that are based in the western United States, the United Kingdom, and Australia. Conduct program evaluation research, design a methodology, collect and analyze data, and develop recommendations. Produce a project report and address comments received from three faculty reviewers. Report findings in the final report and at a presentation to WaterStart and all faculty from the School of Public Policy and Leadership at the University of Nevada, Las Vegas. This project received the Outstanding Capstone Project award.

ESTIMATING ASSISTANT

August 2015 – April 2017: Sahara, LLC.

Assist the Vice President of Preconstruction, Estimating and Business Development in preparing budgetary estimates, coordinating documentation with owners and architects, and analyzing value engineering options. Read and interpret construction plan documents. Perform quantity take-offs and create budgets for perspective projects. Solicit estimates from subcontractors. Create, submit, and track requests for information. Attend pre-bid meetings and bid submittal meetings with project owners. Support project close-out activities by securing lien releases, warranties, and operations/maintenance manuals.

ASSESSMENT DIRECTOR, RTI COORDINATOR, SCIENCE TEACHER, DEPARTMENT CHAIR

June 2010 – August 2015: Legacy Preparatory Academy

Administer and coordinate state required and district-wide student assessments. Analyze performance data to identify areas of student strengths and weaknesses. Train teachers on assessment administration and interpretation. Manage the district accreditation process, assemble all associated documentation, develop the report, and create the presentation to reviewers. Develop and direct a Response to Intervention (RTI) program for students in Grades 3-9. Create an Excel and Access based RTI assignment program. Work with a software developer to incorporate the RTI assignment process into the existing student information system. Train staff on procedures for RTI referrals and tiered interventions. Analyze and track student performance data. Plan district curriculum, create assessments, prepare lessons, and manage classroom discipline and behaviors. Plan and coordinate Science Department meetings, activities, and supplies. Manage Science Department budget. Mentor teachers. Present research and teaching strategies to staff for professional development.

SCIENCE TEACHER, DEPARTMENT CHAIR

August 2008 – June 2010: Desert Winds Middle School

Plan classroom and district curriculum, create assessments, prepare lessons, and manage classroom discipline and behaviors. Plan and coordinate Science Department meetings, activities, and supplies. Manage Science Department budget. Mentor teachers. Present research and teaching strategies to staff for professional development.

Presentations

- Parker, B.A., 2024: Overview of DRI's Technical Research, Engineering, and Development Services (TREDS) Work for DOE. Presented at the Low-level Waste Stakeholders Forum Meeting, Las Vegas, Nevada, May 15, 2024.
- Parker, B.A., 2024: Introduction of the Community Environmental Monitoring Program to the National Security Forum of Nevada, in Las Vegas, Nevada on April 30, 2024.
- Parker, B.A., 2024: Introduction of the Community Environmental Monitoring Program to the Health Physics Instrumentation Committee, for presentation at the Health Physics Instrumentation Committee Annual Meeting in Las Vegas, Nevada, on April 4, 2024.
- Parker, B.A., 2024: Introduction to the History and Successes of the Community Environmental Monitoring Program, for presentation at the UNLV Health Physics Seminar on March 19, 2024, Las Vegas, Nevada.
- Parker, B.A., 2024: STEM Roles in the Community Environmental Monitoring Program, for presentation to Career Technical Education classes on February 24, 2024 at LIED Academy.

- Parker, B. A., 2023: Overview of the Community Environmental Monitoring Program, Department of Energy National Nuclear Security Administration Nevada Field Office Briefing for Non-Government Organizations: Las Vegas, Nevada, November 29, 2023.
- Parker, B.A., 2023: Introduction to Earth's Ionizing Radiation, Radioactive Decay, Radiobiology, and the Community Environmental Monitoring Program, for the Tonopah Schools 6th-8th grade classes in Tonopah, Nevada, October 2023.
- Parker, B. A., 2023: The History and Mission of the Community Environmental Monitoring Program, 2023 CEMP Workshop: Las Vegas, Nevada, July 10, 2023
- Parker, B. A., 2023: The Mission and Successes of Public Engagement in the Community Environmental Monitoring Program, Health Physics Instrumentation Committee Annual Meeting: Las Vegas, Nevada, April 12, 2023
- Parker, B. A., 2023: Introduction to the Community Environmental Monitoring Program. Prepared for the 2023 Tribal Update Meeting, Department of Energy National Nuclear Security Administration Nevada Field Office 2023 Tribal Update Meeting: Las Vegas, Nevada, April 11, 2023
- Parker, B. A., 2023: Overview of the Technical Research, Engineering, and Development Services (TREDS) Contract and the Community Environmental Monitoring Program, Nevada Enterprise Partner's Forum: Las Vegas, Nevada, April 3, 2023
- Parker, B. and N. Poirier (2022, December 13). *WaterStart Pilot Program Evaluation*. WaterStart 2022 Channels for Innovation Summit, Las Vegas, Nevada.
- Parker, B. (2022, July 30). *A Brief History of the Community Environmental Monitoring Program*. 2022 CEMP Workshop, Tonopah, Nevada.
- Huston, J., B. Parker, N. Poirier, L. Silva, and C. Wynn (2022, April 29). *WaterStart Program Evaluation: Analysis & Findings* [Master of Public Administration Capstone Project, University of Nevada, Las Vegas], Las Vegas, Nevada.
- Huston, J., B. Parker, N. Poirier, L. Silva, and C. Wynn (2021, December 8). *WaterStart Program Evaluation: The Impact from Economic, Environmental, and Social Outcomes of Pilot Projects* [Master of Public Administration Capstone Project, University of Nevada, Las Vegas], Las Vegas, Nevada
- Parker, B.A., E. Hatch, and E. Taylor (2014, June). *Take the Headache Out of Organizing Interventions to Ensure Student Success*, Utah Association of Public Charter Schools Conference, Layton, Utah.

Funded Projects

- September 2023 – Submitted and received funding for the Federal Fiscal Year 2024 CEMP proposal with a budget of \$2 million.
- September 2022 – Submitted and received funding for the Federal Fiscal Year 2023 CEMP proposal with a budget of \$1.4 million.
- May 2022 to Present – Provided fundamental support to the development of each project proposal under the new TREDS contract. Presently, expenditures on this contract are \$3.4 million.
- January 2022 – Provided fundamental support to successfully renew DRI's TREDS contract with DOE. The TREDS contract is DRI's longest, most lucrative contract and was renewed for \$50 million over 5.5 years.
- March 2021 – Provided fundamental support to DRI's response to DOE's Request for Information related to the TREDS contract renewal. DRI's response procured a sole-sourced contract renewal for DRI.

- August 2017 to April 2022 – Provided fundamental support to the development of each project proposal under the TREDIS contract. Presently, expenditures on this contract are \$23.8 million.
- August 2015 to April 2017 – Supported development of estimates for general commercial construction projects. The estimate for the largest single project exceeded \$120 million.
- May 2015 – Developed the proposal for the LPA Utah Science Technology and Research Centers Grant funded by the Utah State Office of Education - \$79,748. Funds were used to improve mathematics and science teacher retention through procurement of new curriculum materials, funding of needs-specific Junior High mathematics and science classes, teacher compensation for after-schools science and mathematics tutoring labs, and teacher compensation for an after-school science Olympiad lab.
- December 2014 – Developed the proposal for the LPA Chromebooks in the Classroom Grant funded by H-Wire Technology Solutions – 30 Chromebooks and locking mobile cabinet. The Chromebooks were shared by all teachers at the Junior High to enrich curricular activities.
- June 2012 – Developed and directed the Summer of Innovation Grant funded by NASA - \$2,000 to support a summer and after school science club.
- September 2011 – June 2014 – Recipient of several grants funded through Donors Choose - \$3,000. Funded projects include creation of a classroom science library, procurement of lesson enrichment materials such as a skeleton, and a classroom subscription to Science World by Scholastic.

Publications

- Parker, B. A., 2023: Summary Report on the 2023 Community Environmental Monitoring Program Workshop, Damon, N. E. (ed.), Desert Research Institute, DOE/NV/89233122CNA000255-14
- Goreham, J., Parker, B. A., Hartwell, W. T., Karr, L. H., Russell, C. E., Klenke, J., 2023: 2022 Nevada National Security Site Environmental Report - Chapter 7: Community-Based Offsite Monitoring, U.S. DOE, DOE/NV/03624—1788.
- Parker, B., J. Huston, N. Poirier, L. Silva, and C. Wynn (2021) *WaterStart Program Evaluation: The Impact from Economic, Environmental, and Social Outcomes of Pilot Projects*, [faculty reviewed draft report for the Master of Public Administration Capstone Project, University of Nevada, Las Vegas], Las Vegas, Nevada. Available upon request.