

frankie
friend & ASSOCIATES, INC.

*A Woman-Owned
Small Business*

PROVIDING:

**ENGINEERING, TECHNICAL, PROFESSIONAL, AND
MANAGEMENT SUPPORT SERVICES**

**2009 CORPORATE CAPABILITIES
STATEMENT**

7936 E Arapahoe Court, Suite 2000
Englewood, CO 80112
303.768.8577
www.frankiefriend.com

ORIGIN

Frankie Friend & Associates, Inc. (FFA) is a woman-owned small business founded in 1993 to provide multi-disciplinary, high quality, and cost-effective professional, technical, engineering, and project management support services for government and commercial entities. FFA is headquartered in Denver, Colorado.

MISSION

To provide support services based on integrity and professionalism to meet the needs of our clients at cost-effective rates.

ORGANIZATION

FFA was founded to provide multi-disciplinary technical and engineering support services to the government and to commercial scientific, technical, and engineering industries. FFA consists of two distinct divisions, Project/Program Management and Staff Augmentation Division with complementary missions. Both divisions have expanded into new disciplines while still performing their original mission. Since its inception, FFA has amassed considerable experience supporting government clients at state and federal levels, as well as a wide variety of private commercial clients. Our success stems from open lines of communication and a single point of contact for all activities.

The Project/Program Management Division is primarily devoted to engineering, scientific, and technically oriented activities. The Division plans, manages, and directs consulting and related program and project activities for various government agencies and private industry clients. It also maintains the ability to perform other professional administrative, consulting, training, and facility management activities.

The Staff Augmentation Division operates a full-service personnel management system that includes recruiting for FFA consulting work and clients. The Division handles employee relations, training, affirmative action, payroll, personnel records, wage/salary administration, and employee management in compliance with federal, state, and local laws, regulations, and guidance. The Division maintains a database of well over 7,000 resumes and is responsible for staffing the contractual work requirements of the Project/Program Management Division, as well as the technical, engineering, and professional requirements of various private industry and government clients.

MANAGEMENT

The President of FFA has over 30 years of program and human resource management experience, which includes planning, implementing, controlling, and policy-setting for diverse government and commercial projects. The Corporate Operations Officer has over 25 years of hands-on experience in technically oriented project and contract management. The Business Development/Program Manager has over 20 years of executive experience leading, managing, and directing a variety of organizations with wide-ranging missions. The firm also employs a full-time corporate Marketing and Personnel Specialist to oversee project requirements. FFA has a staff of over 70 employees and maintains the ability to readily expand as the task arises.

OPERATING PHILOSOPHY

FFA strongly believes that customer service is the cornerstone for any successful endeavor. To that end, each and every FFA manager and employee goes above and beyond to ensure absolute customer satisfaction. Our past performance evaluations confirm FFA's exceptional reputation for providing and managing a wide variety of technically oriented support services. Our enviable record was accomplished through an unbeatable combination of responsive, personalized attention and uncompromising integrity--the hallmarks of customer service.

CORE BUSINESS ACTIVITIES

FFA's primary business areas include (not limited to) Consulting in:

- Program Management
- Management/Project Controls
- Engineering Services - Multiple
- Quality Assurance
- Procedure & Licensing
- Environmental Management
- Information Technology Service
- Environmental H&S Analysis
- Nuclear Safety
- Human Resources
- Nuclear Criticality Safety
- Project Planning Services
- Business Operations - Technical
- Operations & Maintenance
- Procurement Management
- Contract Administration
- Technical Services
- Engineering & Technical Outsourcing
- Safety Analysis

FFA provides professional project management; professional engineering support services; engineering, (environmental, mechanical, electrical, civil, structural, nuclear, HVAC, utilities, fire protection, software, and more), technical, administrative and consulting services in each of the above business areas. Our services and delivery options can be tailored to satisfy the client's unique needs.

AT A GLANCE

President: (Ms.) Frankie Friend

Date Incorporated: November 1993

State of Incorporation: Colorado

Business Size: Small Business, Woman-Owned

Certifications: DBE U.S. Department of Transportation and State of Colorado
DBE State of Illinois
DBE/SBE City/County of Denver

Security Clearances: Provide Personnel with DOE and DOD security clearances
Ms. Friend holds a DOE "Q" Clearance and a DOD Secret Clearance
FFA has a Secret Facility Clearance (FOCI)

Headquarters: 7936 E. Arapahoe Court, Suite 2000
Englewood, CO 80112

Contact Information: (303) 768-8577
(303) 768-8575 (fax)
ffriend@frankiefriend.com
www.frankiefriend.com

Operating Locations:



Primary NAICS/SIC Codes:

| | |
|-------------|---|
| 541990/7389 | Business Services, Other Professional, Scientific, and Technical Services |
| 541690/8748 | Business Consulting Services |
| 518210/7374 | Computer Processing/Data Preparations and Processing Services |
| 541214/8721 | Accounting, Auditing, and Bookkeeping Services |
| 541219 | Other Accounting Services |
| 541310 | Architectural Services |
| 541330/8711 | Engineering Services |
| 541340 | Drafting Services |
| 541430 | Graphic Design Services |
| 541511 | Custom Computer Programming Services |
| 541513 | Computer Facilities Management Services |
| 541519 | Other Computer Related Services |
| 541611/8742 | Admin. Management and General Management Consulting Services |
| 541612 | Human Resources Consulting Services |
| 541618/8741 | Other Management Consulting Services |
| 541620 | Environmental Consulting Services |
| 541690 | Other Scientific and technical Consulting Services |
| 541990 | All other Professional, Scientific and Technical Services |
| 561110/8744 | Office Administrative Services |
| 561210 | Facilities Support Services |
| 561311 | Employment Placement Agencies |
| 561312 | Executive Search Services |
| 561320 | Temporary Help Services |
| 561330 | Professional Employer Organizations |
| 561421 | Telephone Answering Services |
| 561499/8999 | All Other Business Support Services |
| 562910 | Remediation Services |
| 611430 | Professional and Management Development Training |

Staff Personnel: Frankie Friend & Associates, Inc. currently employs over 70 professional engineers, technicians, managers, administrators, and human resource specialists. In addition to those currently employed by the firm, FFA maintains an active, current database of resumes for over 7,000 additional engineers, technicians, scientists, project/program managers, and professional administrators.

Upon request, we are pleased to offer resumes for personnel that will meet the expectations of our client's work requirement.

Typical Services



**Engineering &
Environmental
Support**



- **Mechanical Engineering**
- **Electrical Engineering**
- **Civil/Structural Engineering and Seismic Analysis**
- **Aerospace Engineering**
- **Piping Criteria and Analysis**
- **Reliability Engineering**
- **ASME/ANSI/AISC Code Compliance**
- **Pressure Vessel and Valve Programs**
- **Systems Engineering**
- **Thermal Hydraulics / Fluid Dynamics**
- **Fire Protection Engineering**
- **Engineering Mechanics/Finite Element Analysis**
- **Professional Support Services**
- **Equipment/Support Facility Walkdowns**
- **Heating Boiler Replacements**
- **HVAC/LCW/ICW Water Systems**
- **Qualification Testing**
- **Independent Review**
- **CADD Services**
- **Automated Data Processing (ADP)**

Typical Services



**Nuclear Criticality
Safety**

- Criticality Code Verification and Validation
 - Selection and Testing of Criticality Benchmarks
 - Criticality Alarm Location and Assessment
 - Criticality Safety Analysis
 - Criticality Assessments
 - Program Assessments
 - Walkdowns
-

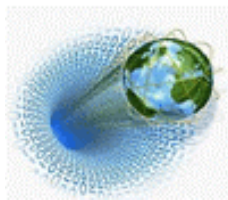
Radiation Safety

- Radiation Shielding Analysis
 - Dose Calculations
 - Radiation Monitoring
 - Program Assessments
 - Contamination Control
 - Decontamination and Decommissioning
-

Safety Analysis

- Safety Analysis Reviews
 - Safety Analysis Reports
 - Unreviewed Safety Question Determinations
 - Risk Analysis
 - Fault Tree Analysis
 - Configuration Management
 - Emergency Response Planning
 - Regulatory Compliance
-

**Computer (IT)
Services and
Solutions**



Typical Services (cont'd.)

- Project & Work Planning
 - Data & Process Modeling
 - Procedures and Documentation
 - Computer Integrated System Design
 - Database Programming and Customizing
 - Technical Support of Large Databases
 - Data Validation and Verification
 - Computer Software Development
 - Document Management
 - Data Administrators
 - Systems Programmers/Analysts
 - Workstations / Client Products
 - Internet Development Products
 - Project Planning and Execution
 - Procedures and Documentation
 - Technical Training
 - Systems Administration
 - Systems and Software Integration/Migration
 - Database Programming
 - Software Development and maintenance
 - Data and Software Validation and Verification
 - Data Center Management
 - Help Desk Support Services
-

Typical Services (cont'd.)

**Management
Controls**



- Project Control Systems
- Cost and Schedule Systems
- Project Integration and Coordination
- Independent Verification
- Independent Cost Reviews
- Work Breakdown Structures
- Oversight Support
- Progress Assessments
- Value Analysis
- PRA Analysis
- Program Management
- Action Tracking
- Management Information Reports

**Operations and
Maintenance**



- Procedures Upgrades
- Operations Analyses
- Operations Management
- Inventory Assessment
- Reliability Based Maintenance
- Surveillance
- Maintenance Monitoring
- Maintenance Planning
- Value Analysis
- Performance Appraisals

Typical Services (cont'd.)

**Quality
Assurance**



- Quality Assurance/Control NQA-1
- Process Improvement Efforts
- Quality Assurance/Surveillance
- Audit Program Support
- Quality Training
- Self-Assessments
- Metrics and Trending

Typical Services

**Consulting,
Human Resource
Management**



- ♦♦ Engineers (all disciplines)
- ♦♦ Professional Project/Program Management
- ♦♦ Professional Administrative
- ♦♦ Technical (all levels)
- Personnel Records Management
- Employee Relations
- Performance Appraisal Systems
- Compensation and Benefits Administration
- Management Development
- Management Consulting
- Strategic Planning

Typical Services ^(cont'd.)

**Environmental
Management**

- Strategic Planning
 - Waste Generation Assessments
 - Waste Minimization
 - Waste Shipment Manifests
 - Waste Facility Management
 - RCRA/CERCLA Engineering Studies
 - Site Characterization
 - Feasibility Analysis
 - Environmental Planning and Engineering
 - Safety and Health Protection
 - Data Management and Information Systems
 - Environmental Impact Statements
 - Environmental Assessments
 - Sampling and Analysis Plans
-

Since its inception, Frankie Friend & Associates, Inc. has conducted business with and on behalf of many government and private entities, both locally and nationally. We take great pride in our strong array of corporate capabilities. As a small business we have also learned to take advantage of the synergies resulting from our strategic partnerships and teaming arrangements that further enhance support services to our clients. Our client/teaming partner portfolio includes:

Argonne National Laboratory
Armstrong Consultants, Inc.
Arcadia Consultants, Inc.
Ball Aerospace & Technologies Corp.
Bechtel Hanford, Inc.
Bechtel SAIC Company, LLC
British Nuclear Fuels Limited (BNFL) Inc.
BWXT Pantex
Carter Burgess
CH2MHILL
Colorado Department of Transportation
DeLeuw, Cather & Company
EG&G Rocky Flats, Inc.
ERC, Inc.
Fluor Hanford, Inc.
Halliburton NUS Corporation
Information Systems Lab
Jacobs Engineering Group, Inc.
Kaiser-Hill Company, LLC
Knight-Piesold, LLC
Lockheed Martin Transportation Systems, Inc.
LONCO Engineering
MACTEC, Inc.
MK Centennial Engineering, Inc.
Parsons Transportation Group
Rocky Mountain Remediation Services, LLC
Safe Sites of Colorado, LLC
SCIENTECH, Inc.
Southeast Corridor Constructors (a Kiewit/Parsons joint venture)
Stone & Webster Engineering Corp.
U.S. Department of the Army Corps of Engineers
USDA Forest Service
U.S. Department of Commerce
U.S. Department of Energy
U.S. Nuclear Regulatory Commission
Washington Group Int'l
WESKEM, LLC

- 1. Web Support for BWXT Pantex** **05/07 – 10/08**

Subcontract Representative: Brad Brack (806-477-6192) (0005152) *\$500K*

Subcontract to provide assisted services support for Web Content Management and Records Management.
- 2. PeopleSoft Developer for BWXT Pantex** **06/07 - ongoing**

Subcontract Representative: Brad Brack (806-477-6192) (00055248) *\$350K*

FFA was awarded a contract agreement to supply staff augmentation for Programmer/Analysts to support the implementation and upgrade of PeopleSoft HRMS 8.3/PeopleTools 8.18 to PeopleSoft HRMS 8.9/PeopleTools 8.48 (Commercial) in June 2007.
- 3. IT Program Manager for BWXT Pantex** **06/08 – 06/10**

Subcontract Representative: Brad Brack (806-477-6192) (00066796) *\$134K*

FFA was awarded two consecutive contract agreements to supply staff augmentation of IT Program Managers to support the IT Project and Resource Management Department in June 2008 and, again, in February 2009. FFA recruited and staffed the contract with PMI certified Project Manager Professionals (PMP). FFA developed a draft project plan, initiate a formal review and finalized the project plan. Managed all phases of the project including Concept, Assess, Define, Execute and Close.
- 4. Drafting Services for BWXT Pantex** **05/07 – 11/07**

Subcontract Representative: Brad Brack (806-477-6192) (00054406) *\$100K*

Provide drafting services.
- 5. Packaging Engineer for BWXT Pantex** **03/07 – 03/08**

Subcontract Representative: Judith Conley (806-477-3876) (00053654) *\$150K*

Provide packaging engineering services.
- 6. Administrative Support to Carter Burgess, Inc.** **02/07 - Ongoing**

Subcontract Representative: Stacy Persichetti *\$1M*

Provide administrative support for a variety of technical projects.
- 7. Engineering and Technical Services for Army Corps of Engineers** **10/06 – 9/09**

Subcontract Representative: Suzanne Wear (256-895-1162)(W912DY-06-D-0013) *\$3M*

Awarded master (IDIQ) contract to provide technical, engineering, and program management and consulting services to the Installation Support Division, Army Corps of Engineers Huntsville Center. Huntsville Center is the Army's worldwide center of expertise for facility support services. Contract services include wide-ranging support to the facility assessment, reduction and removal programs, as well as U.S. Army energy programs. Task activities include, but are not limited to, creating, conducting, and/or analyzing program and project reviews, technical and professional opinions, findings, reports, cost estimates, and development and maintenance of management information processes and systems. Under this contract FFA is required to provide technical expertise for all Army facility environmental, environmental law, and removal activities and issues. Additional related activities include the research, development, and testing of innovative new technologies and the development, distribution, and promotion of program information through Public Affairs-approved electronic media, graphical aids, briefings, and presentations. In addition, FFA is required to assess and report on consumption, acquisition, distribution and transmission of energy to and on Army owned installations and facilities throughout the U.S. FFA's efforts directly reduced the Army's multimillion dollar program costs by more than 40% since FY05 and contributed to Army policy changes and the formal adoption of many new industry best practices and cost saving measures.

8. Dept. of Health and Human Services (CASU) 10/06-9/10

Subcontract Representative: Gary Rizzolo (R7-CASU-06-0135) \$3M

Provide HR support for the Dept. of Navy, San Diego, CA.

9. Provide AutoCad Design Services for HWS Consulting Group, Inc. 09/06-02/07

POC Jim Heckman \$5K

Provide AutoCad Design Services.

10. HR Services for BWXT Pantex 08/06-08/07

Subcontract Representative: Amber Bullard (806)477-6929 (49309) \$100K

Provide professional Human Resource services.

11. Technical Professional Services Agreement with Bechtel SAIC CO. 08/06-03/08

Subcontract Representative: Carolyn Makaena (702)295-5184 (NN-HC4-03063) \$5M

Provide Engineering and Scientific Support Services at Bechtel SAIC, Las Vegas, NV.

12. Facility Design & Engineering Services for BWXT Pantex 07/06-07/08

Subcontract Representative: Haven Reed (806)477-6650 (00048224) \$3M

Provide engineering services for BWXT Pantex. Engineering disciplines include mechanical, electrical, structural (civil), and fire protection-engineering assignments. Tasks range from

engineering support of minor modifications focusing on recapitalization to support of significant construction projects.

13. Administrative Support for Reynolds, Smith & Hills (RS&H) 07/06-12/06

Subcontract Representative: Mary Ann Ford (904)256-2461 \$20K

Provide administrative support.

14. Support Services Agreement with Centennial Engineering 07/06–06/07

Centennial POC: Steve Sabinash (303)279-1984 (04-147-T0005) \$200K

Support Services Agreement to provide management, administrative, technical, and reporting services for systems engineering and program support – with the emphasis on the continued development of CDOT’s ATMS/ATIS command and control system for ITS as well as the delivery of ongoing CTMC activities.

15. Operations Support for the CDOT CTMC 06/06–06/11

Subcontract Representative: Ken DiPinto (303) 512-5820 (HAA-00009) \$3M

Provide integrated technical operations to the Colorado Department of Transportation’s Operations Center. Oversee the deployment and employment of a host of Intelligent Transportation Systems equipment designed to enhance traffic safety and throughput in the Denver Metropolitan Area, as well as throughout most of the interstate system in the state of Colorado. Tasks include monitoring and controlling traffic situations in a large metropolitan area and coordinating and ensuring the appropriate actions to resolve emergency or safety-related incidents. FFA also maintains eight separate roadside systems used to provide two-way information between the traveling public and the Operations Center personnel.

16. Support Services provided to DOE NPOSR 06/06 – 09/06

Subcontract Representative: Neil Haugland (307)233-4818 (DE-AP91-06WR06135) \$75K

Provide the systematic development of a process flow diagram and piping and instrumentation diagrams (P&ID)s for the LTS Gas Plant Facility in Casper, Wyoming.

17. Support Services provided to ERC, Inc. 05/06–Ongoing

Subcontract Representative: Frank Love (256)842-2095 (SA060807, SA060426,SA070266) \$500K

Provide programming support to develop tools for the TA/ISR Program for a PC board layout engineer to support in development project. Also provide CAD designer as well as engineering technical services to support the HR redesign efforts.

18. Technical Review & Support Svcs. 02/06-2/07

Subcontract Representative: Brad Brack (806-477-6192) (0005152) \$500K

Subcontract to provide assisted services support for Web Content and Records Management.

19. U.S. Forest Service 08/08 – 08/09

Subcontract Representative: Alan James (530-478-6121 (209911) \$88K

Software Engineer

20. Support Services provided to UT Battelle, Oak Ridge, TN 02/06-03/07

Subcontract Representative: Barbara Growney (973)338-7011 x118 (5403.003.FFA)) \$100K

Provide electrical designer services.

21. Support Services provided to Lowry Assumption Project 1/06-Ongoing

POC Chris Burt \$1M

Provide asbestos abatement services.

22. Nuclear Safety Engineering Services for DOE Oak Ridge 11/05 – 11/08

Subcontract Rep: Debbie Molinari (Parallax 301-428-1493) (2853-021-S-FF) \$3M

Subcontract with Parallax to the DOE Oak Ridge Office Nuclear Safety Division (NSD). This is a continuation of Contract DE-05RP-03OR22969, 2853-021-S-FF that FFA had with the DOE Oak Ridge Operations Office. See Item 32 below for description of services.

23. Engineering Support Services to Jacobs Engineering Group, Inc. 9/05–10/06

Subcontract Representative: Steve Meshberger (865)220-4838 (35-CORP-05-0001) \$100K

Provide engineering support services.

24. Support Services for CH2M Hill 12/94 -12/09

Subcontract Representative: (910698) \$20K

Awarded a support service agreement for technical writing.

25. Professional Services for the U.S. Army Corps of Engineers **12/04–8/06**

Subcontract Rep: Angela Saville (256)895-1133 (W012DY-05-P-0015) **\$3M**

Awarded contract to develop the Project Information Retrieval System (PIRS) Search Tool Prototype Technology Assessment. Conducted a pilot project for a prototype system that provided a unique search and indexing capability for the unstructured PIRS data base consisting of thousands of documents in a variety of formats. The user-friendly knowledge recovery tool provides a cost-effective means to review and extract seemingly lost information.

26. Consulting and Professional Services for the Washington Group Int'l. **11/04–Ongoing**

Subcontract Rep: Elizabeth Greene (303) 843-3467 (03640-000) **\$3M**

Awarded a consulting and professional services contract to provide AutoCADD, computer aided engineering and electrical project engineer services.

27. Computer Systems Services for the USDA Forest Service **10/04-Ongoing**

Subcontract Representative: Barbara Decker (703)605-5290 (1005) **\$3M**

Awarded contract to provide computer systems services to include support of the national helpdesk, database development and administration support services, and database management and management analysis support services.

28. Technical Support for Information Systems Laboratories, Inc. **8/04–8/06**

Subcontract Rep: Margaret Latchman-Geller (858) 535-9690 (NSAD No. 04-4523-1) **\$500K**

Awarded subcontract to provide technical support to the systematic evaluation of U.S. nuclear plant operation experience for the identification and documentation of operation events that were most likely to lead to inadequate core cooling and severe core damage if additional failures had occurred. Also provide technical on-call support to ISL staff for in-house analysis of other operations events.

29. Professional Services for the U.S. Army Corps of Engineers **5/04–10/06**

Subcontract Rep: Kathy Wallace (256) 895-1145 (W912DY-04-P-0076) **\$1M**

Awarded prime contract to provide management and consulting services for the Army Corps of Engineers Facilities Reduction Program. Services include the planning, development, and execution of a comprehensive Army-wide demolition/deconstruction program. The program incorporates commercial best practices through a series of data collection and analysis tasks that will culminate in a web-based FRP Toolbox that functions as a central repository and knowledge base for all U.S Army installation and Corps of Engineers demolition/deconstruction managers and planners.

30. AutoCADD Services for Carter-Burgess, Inc. (Now Jacobs Engineering) 3/04-Ongoing

Subcontract Rep: Stacy Persichetti (303)820-5240 (CE 3335) \$2M

Awarded subcontract to provide AutoCADD services for Denver International and Reagan National airport Taxiway design project as well as administrative support for a variety of technical projects.

31. Asset Utilization Technical Support for DOE Oak Ridge Operations Office 9/03-9/08

Subcontract Rep: Ballard Jackson (865) 2416137 (DE-05RP-03OR22969, DE-AM05-03OR22993) \$3M

As prime contractor to the DOE Oak Ridge Office of Asset Utilization, Facilities, and Materials Reuse Division (FMRD), FFA is providing Project Management and Technical Services to market, facilitate, manage, maintain records, and operate a program to recycle all manner of excess DOE and Federal nuclear-related equipment/instruments for reuse of other federal, state, and Local agencies supporting Homeland Security. This effort includes the transfer, inspection, refurbishment/repair, inventory management, warehousing, and shipping of all instruments. As a secondary responsibility, FFA is providing technical assistance support to the DOE Oak Ridge Pollution Prevention (P²) Program.

32. Architectural/Engineering Services for the U.S. DOC 7/03-9/06

Subcontract Tech Rep: Michelle Sandoval(303) 497-3983 (RA1341-03-CB-3019, 0804, 0335) \$50K

Awarded a prime contract to provide A/E services for the investigation and design of a new site entrance to the National Institute of Standards and Technology (NIST) complex in Boulder, Colorado. The project requires the effort of multiple facility engineering disciplines, as well as security specialists, to ensure a fully compatible design that meets new higher security requirements.

33. Nuclear Safety Engineering Services for DOE Oak Ridge Operations Office 3/03-11/09

Subcontract Rep: Heather Houk (865) 576-1894 (DE-05RP-03OR22969, 2853-021-S-FF) \$3M

As prime contractor to the DOE Oak Ridge Office Nuclear Safety Division (NSD), FFA is providing Nuclear Safety services for review of the site Nuclear Safety Program and Integrated Safety Management activities in accordance with 10 CFR 830, DOE orders, standards, and guidance, and local policies and directives. As prime contractor, FFA is assisting the NSD in the review of thirty (30) 10 CFR 830 compliant DSA and TSR documents, thirty-five (35) HADs, and other safety basis documents, and providing recommendations for approval or disapproval. FFA is also assisting in the generation of over seventy (70) SERs as required by 10 CFR 830 and associated correspondence, as well as a full range of other facility safety assistance services. All efforts on this contract are toward reviewing and correcting a formerly deficient safety program that was run by the M&O contractor. This includes the resolution of previously differing professional opinions and findings.

34. Engineering/Scientific Support Services for Bechtel SAIC Company **1/03-9/04**

Subcontract Rep: L. Maine Collins (702) 295-4848 (PA-004434) *\$3M*

Awarded master services contract to provide a broad range of engineering and scientific personnel for the Office of Civilian Radioactive Waste Management Program. FFA provided personnel in 11 different engineering/scientific categories on a task order basis to support the DOE Yucca Mountain Project. FFA provided Nuclear Criticality Engineering, Structural Engineering, Chemical Engineering, and Geological support services.

35. Operations & Maintenance Support for the CDOT CTMC **02/03-02/07**

Subcontract Rep: Ken DiPinto (303)512-5820 (03 HAA 00049) *\$14M*

FFA is the prime contractor providing integrated technical operations and maintenance traffic management support services to the Colorado Department of Transportation's Operations Center. FFA is overseeing the deployment and employment of a host of Intelligent Transportation Systems equipment designed to enhance traffic safety and throughput in the Denver Metropolitan Area, as well as throughout most of the interstate system in the state of Colorado. Tasks include monitoring and controlling traffic situations in a large metropolitan area and coordinating and ensuring the appropriate actions to resolve emergency or safety-related incidents. FFA also maintains eight separate roadside systems used to provide two-way information between the traveling public and the Operations Center personnel.

36. Metrology Support for Edison ESI (A Southern California Edison Co.) **10/02 – 9/05**

Subcontract Representative: Betty Thurston (714) 895-0310 (ESI5473) *\$1M*

Awarded a subcontract to provide metrology services support to include maintenance and calibration of a wide diversified range of M&TE.

37. Master Task - Technical Support Services for BWXT Pantex **3/02-1/07**

Subcontract Rep: Michelle Neal (806)477-6191 (00023017) (00038242) *\$3M*

Awarded a master contract to provide technical and engineering support services to the DOE Pantex Plant. We provide technical writing support for the Plant Procedures Department of BWXT Pantex located in Amarillo, Texas.

38. Master Task - Labor Support Services for Ball Aerospace **3/02-4/09**

Subcontract Rep: Denise Brammer (303) 939-4659 (02DBL10008) *\$1M*

Awarded a master contract to provide a broad range of administrative, technical, and engineering support services. Currently provide administrative and electronic technical assembly and production

services, as well as IT Systems Administrator services to various departments within the Ball facility in Boulder, Colorado.

39. SECC (Kiewit/Parsons partnership) Traffic Management Center Operation 2001-2/07

Subcontract Tech Rep: Joe Wingerter (303)357-8639 (SC-035) \$5M

Awarded a consulting contract to provide technical operators and manage the Southeast Corridor Constructors (SECC) Traffic Management Center during the extensive (\$1.19B) design/build of a major segment of the Denver Metropolitan Area interstate and light rail system. FFA performs 24-hour monitoring of traffic conditions in the 17-mile construction zone and is responsible for providing public safety notices, media coordination, and courtesy vehicle and emergency vehicle dispatch operations, among other responsibilities. FFA employees developed and administer an incident response plan to mitigate hazardous traffic conditions and recommend alternate routes for the traveling public.

40. BOA - Professional Support Services for Fluor Hanford 10/01-9/02

Subcontract Tech Rep: Michael Estes (509) 376-9491 (11855-1) \$150K

Awarded a basic ordering agreement to perform various technical and engineering support services for the SNF Construction Project at the Hanford DOE site. FFA personnel acted as Engineering Lead and supervised other engineers engaged in design of facility modifications for the Fuel Transfer System. Personnel developed schedules, assigned tasks, predicted future needs, oversaw work progress, and ensured quality of design and timeliness of completion.

41. International Nuclear Safety Support Services for NRC 04/01-09/03

Subcontract Tech Rep: Donna-Marie Perez (301) 415-2848 (OIP-01-303) \$500K

Awarded a consulting contract to provide Nuclear Safety technical assistance for international programs. Tasks included attendance at periodic international technical advisory meetings and reviews of a diverse shutdown system in conjunction with an international technical steering group. Additional tasks included coordinating U.S. activity and interests with those performed by other related international groups and agencies, as well as a host of related assistance and advisory services deemed related, appropriate, and cost effective for the scope of work at a key international nuclear facility project.

42. Professional Support Services for BNFL 01/01-12/01

Subcontract Tech Rep: Christopher Leach (303) 874-3948 (01-BFS-015, 01-DN-8021) \$200K

Provided mechanical engineering and design support services. Work included preparation and checking of design information, including drawings, fabrication specifications, and fabrication

support for the components used in the handling of nuclear fuel transfer and storage casks. Work was performed in accordance with the BFS QA system under NRC regulations, as well as various national and industry codes and standards.

43. Master Agreement (Nuclear Criticality Safety) for WESKEM, LLC **10/00-9/01**

Subcontract Tech Rep: Kevin Schram (865) 241-8171 (MSA M-00114) *\$300K*

Awarded a master purchase agreement to perform Nuclear Criticality Safety services for WESKEM, LLC in support of waste management operations at the DOE's ETPP in Oak Ridge, TN. Performed NCSAs/NCSEs, investigations, and reviews of work packages and procedures, work instructions, authorization basis documents, and other operational documentation related to the classification, storage, relocation, and disposal of nuclear waste material. Was responsible for preparing USQDs and NCS anomalous condition investigations and reports. Activities were performed in accordance with applicable DOE, OSHA, DOT, CFR, NRC, ANSI, and site-specific, regulations, guidelines, and directives. Primary guiding references included 10 CFR 830.120; DOE Order 5700.6C; ANSI/ANS-8.1, 8.3, 8.7, 8.15, 8.17, 8.19, and 8.20; and local site documents WD-DE-A-1003, WD-DE-A-1005, and WD-DE-A-1006.

44. Master Agreement (Nuclear Safety Assessments) for Bechtel Hanford, Inc. **3/00-3/01**

Subcontract Administrator: Michael Hughes (509) 375-4654 (0000X-MD-G0213-C) *\$100K*

Awarded a master agreement with two initial task orders to provide support services to the Richland Environmental Restoration Project. Was responsible for preparing updates to facility safety basis documents such as Basis of Interim Operation (BIO), Safety Analysis Report (SAR), and Auditable Safety Analysis (ASA). Activities included review of historical documents, consideration of updated guidance, and walkdowns to analyze status/changes to structures or other relevant conditions. Awarded subsequent task order to provide Nuclear Safety support for the purpose of updating existing facilities Safety Basis documents in accordance with the new rule 10 CFR 830 Compliance Documentation.

45. Utility Construction Technical Services for Adesta Communications, Inc. **1/00-1/01**

Adesta POC: Steven Hendrix (303) 463-4868 (CAA90-1013-003) *\$150K*

Awarded a contract to provide field technical support services. Was responsible for coordination and oversight of telecommunications cable placement with multiple agencies. Tasks included reading and reviewing plans and coordinating and monitoring underground telecommunications cable installation. Resolved construction conflicts with other utilities and structures and worked in the field alongside construction crews. Resolved all discrepancies to ensure conformance with specifications.

46. ESH&Q Master Agreement (Nuclear Criticality) for Kaiser-Hill Company 10/94-9/04

Subcontract Admin: Marea Haugh (303) 966-6237 (SSC000697PB & SSC100907EL) \$22.5M

Originally awarded master agreement for Nuclear Criticality Engineering Support services by Safe Sites of Colorado; contract novated and extended by Kaiser-Hill. Provided criticality safety engineering, limit validations, and limit examinations, as well as procedure reviews, review of calculations and evaluation bases, and hazards and probabilistic assessments for Buildings 559, 707, and 371 at the DOE Rocky Flats Site. Specific tasks included evaluations, examinations, and detector location studies for building baseline and deactivations programs, special nuclear material movement and storage activities, residue elimination programs, and the special packaging system program.

47. Project/Contract Administrative Services for Department of the Army 10/99-7/00

Subcontract Tech Rep: Major Jeff Quinn (703) 681-2901 (DADA10-99-P-0715) \$200K

Teamed with two other firms and was awarded a contract to produce and deliver an internet-based Immunization Education Program to the U.S. Army MEDCOM, Ft Sam Houston, Texas. Provided project/contract administrative services that included cost controls, progress reporting, invoicing, and accruals for the courseware development program.

48. Electrical Engineering Services for Kaiser-Hill Company 12/98-6/04

Subcontract Administrator: Karen Downs (303) 966-3598 (KH000697-001RMR907387JR6) \$5.5M

Initial contract awarded with subsequent option years or extensions. Provided electrical engineering support services for HVAC, backup power systems, instrumentation controls, and electrical/mechanical systems in nuclear materials handling facilities (Buildings 771/774, 772, 776) at Rocky Flats Environmental Technology Site. Effort included considerable software development and management to support D & D activities at RFETS.

49. Integrated Traffic Mgmt. Services for Lockheed Martin Traffic Mgmt. Sys. 12/98-6/01

Subcontract Admin: Michael Sanford (303) 971-5291 (HG9-550847 and 228597) \$3M

Continuation of a previous Colorado Department of Transportation contract subsequently transferred to Lockheed Martin Transportation Systems (LMTS). Contract was rebid and awarded with five one-year options. FFA provided integrated technical and operational traffic management support services to the Colorado Department of Transportation's Operations Center. Tasks included monitoring and controlling traffic situations in a large metropolitan area and coordinating and ensuring the appropriate actions to resolve emergency or safety-related incidents.

50. Nuclear Safety Engineering Support for Fluor Hanford, Inc. 12/98-9/01

Subcontract Admin: Judy Gustafson (509) 376-9130 (MGT-SLB-A29757 & FDH 5193) \$300K

Awarded an initial contract and four subsequent short-term extensions. Awarded another completely new contract for the same service. Provided support services to evaluate Criticality Safety Evaluation Reports (CSERs), Criticality Procedure preparation revisions, and field verification of Nuclear Criticality Safety (NCS) program elements. Also reviewed and developed NCS program procedures and performed programmatic assessments.

51. Nuclear Criticality Support for Rocky Mountain Remediation Services 12/98-9/00

Subcontract Administrator: Steve Coppersmith (303) 966-7790 (RM907538SC) \$5M

Awarded initial contract and one subsequent option year. Provided general nuclear criticality safety support to facilities that contained fissionable material at the Rocky Flats Site (Buildings 440, 569, 664, 771, 776, and 991). Scope of work included criticality safety evaluations, technical reviews of evaluations, and second engineer review of calculations, as well as training, infraction/deficiency response, emergency incident response, hazard and probabilistic risk assessments, and work control document reviews.

52. Civil/Construction Engineering Support for Parsons 6/97-7/06

Project Manager: Roger Koester (303) 863-7900 (PG 98 300000024) \$1.5M

Provided Construction Inspector services for two lengthy construction projects.

53. Civil Engineering Support Services for Washington Group 3/98-3/01

Subcontract Technical Rep: Ken Castellano (303) 948-4097 (89194-904 7001) \$1M

Awarded an initial contract with subsequent option years to provide AutoCAD services and support for various airport projects for Raytheon Infrastructure/Isbill Associates, which later became Washington Group. Prepared CADD production drawings from sketches and/or engineer instructions. Created and prepared layouts, charts, graphs, and diagrams based on engineer or designer information.

54. Radiological Engineering Support Services for Safe Sites of Colorado 10/98 – 9/05

*Subcontract Technical Rep: Pat Backes (303) 966-3553 (SSC000073GG) \$1M
Betty Thurston (714)895-0310 (ESI5473)*

Awarded contract/task to provide Radiological Engineering Support Services for Rocky Flats Buildings 771/774 Baseline and Mission Program Activities. Performed ALARA review of maintenance work packages, and work instructions. Provided radiological support for the property, waste, and sample release programs. Performed radiation generating device inspections, source inspection oversight reviews, and location verification and evaluations for airborne radiation monitors. Assisted in dose reconstruction efforts. FFA was also awarded a subcontract to provide metrology services support to include maintenance and calibration of a wide diversified range of M&TE to Edison ESI (A Southern California Edison Company.)

55. Traffic Mgmt. Center Support Services for Colorado Dept of Transportation 7/97-6/02

Subcontract Admin: Frank Kinder (303) 512-5820 (HAA 12-97/LD & 99HAA00004) \$3M

Awarded initial contract with four option years. Lockheed Martin Traffic Management Systems (LMTMS) assumed this contract in December 1998. Contracted to provide technical and operational services to the Colorado Department of Transportation Traffic Management Center (CTMC). The Center monitors Denver Metro Area and statewide traffic conditions and resolves emergency situations. Tasks included "real time" traffic engineering studies in response to unforeseen situations. Activities included directing/coordinating emergency response teams, mitigating/resolving public safety issues, and recommendation of alternate traffic patterns. Additional duties included monitoring the reliability and efficiency of automated computer (hardware and software) traffic management systems. To minimize emergency conditions and promote public safety, FFA also provided Public Information Officer services to the CTMC to provide a professional link between the CTMC and metro area TV, radio, and print media, as well as airborne traffic services.

56. Civil/Environmental Technical Services for Armstrong Consultants, Inc. 2/97-Ongoing

Armstrong POC: Ed Armstrong (970) 242-0101 \$3M

Awarded contract to provide AutoCAD and engineering support personnel for various airport design and construction projects in Colorado, Montana and Wyoming.

57. Internal Communications Support for Kaiser-Hill Company 1/96-9/00

Subcontract Administrator: Anita Welter (303) 966-8022 (KH602854 MH3) \$1M

Awarded an initial contract with four subsequent option years. Provided DOE Rocky Flats Environmental Technology Site internal communications support. Produced a biweekly site newspaper covering site activities, employee news, and items of local interest. Provided other community information services through strategic planning, implementation, and outreach activities. Prepared information materials for meetings involving the general public, employees, and management groups.

58. Civil Engineering Support Services for LONCO, Inc. 11/94-Ongoing

LONCO POC: Mark Hamouz (303) 620-0098 \$12M

Awarded initial one-year contract with five subsequent annual renewals. Provide various civil engineering-related technical, administrative, and engineering services to support Colorado Department of Transportation (CDOT) road and bridge projects. Services range from staff administrative support, field technician activities, Roadway Bridge Inspections, and traffic monitoring/counting analysis to computer hardware/software systems and software mods.

59. Paul Mitchell & Company PC

1994-Ongoing

*POC: Paul Mitchell (303)740-8488
Administrative Support*

\$1M

60. U.S. Nuclear Regulatory Commission

06/08-ongoing

Technical Lead: Sheila Bumpass (301)492-3484 (NRC-DR-04-08)

\$90K

Develop and teach Fundamentals of Nuclear Engineering Course. FFA personnel prepare and present a recurring Nuclear Fundamentals Course for presentation to the NRC technical staff. The 4-day course introduces degreed engineers to the basic physics of nuclear reactor engineering, heat production and heat transfer from nuclear fission sources, basic physical laws which govern: radioactive decay, reactor criticality, static reactor power distributions, feedback control mechanisms, and basic reactor dynamics. The course concludes with a discussion of safety implications of PWR and BWR reactor dynamics, such as: shutdown reactivity margins, power excursion accidents, Anticipated Transients without SCRAM, steam line breaks, and loss of coolant accidents. The SOW requires creation of a course workbook (584 pages), presentation of 12 modules (sessions) of 45 minutes each, and an end-of-course graded exam.

61. Information Systems Laboratories, Inc. (NRC Prime)

10/07-9/09

Technical Lead: Nicole Sanese (858)535-2711 (07-4580, 08-5472, 08-5480)

\$130K

Provide engineering and scientific support services to the Nuclear Regulatory Commission (NRC), Office of New Reactors for Pre-Application; Design Certification; Early Site Permits; and Combined License; Regulatory Infrastructure for New Reactor License Applications. More specifically, FFA personnel conduct Phase I review of AP1000 Design Control Documents (DCD) and associated Technical Reports to determine the adequacy of the reactor plant application. Determine if the design process/methodology and design acceptance criteria proposed by the applicant meet NUREG-0800 and 10CFR Part 52 rulemaking technical requirements and standards. Identify issues and those aspects of the application that need additional or clarifying information. Prepare a Technical Evaluation Report that includes a draft Requests for Additional Information (RAI) and draft Preliminary Safety Evaluation Report (PSER). Under a separate, but related scope of work, FFA staff prepared an AP1000 Regulatory Review Training Course/Workshop that was presented in China under the auspices of the NRC.