

*STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS*

*STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDER*

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## *Specification Template Instructions*

### Overview

## *Specification Template Instructions*

### Overview

This package of materials is intended to guide you through the specification, procurement, and selection of an Energy Management and Information System (EMIS) or related building performance monitoring and diagnostic technology. It includes:

- A Request for Proposals (RFP) Template that can be filled out to create an organization- and project specific RFP for vendors.

- An EMIS Technology Specification (Section 2) that can be tailored to generate owner-driven requirements for technology features and capabilities, data integration, and maintenance support.

- An Ongoing Services Specification (Section 3) that can be tailored to generate owner-driven requirements to support in-house staff beyond the EMIS installation period. If the EMIS will be utilized exclusively by in-house staff and ongoing service provider support, the services specification can be omitted.

Additional sections to define the proposal format, eligibility, and evaluation approach. Appendices provide additional support for developing your RFP, including a table that can be used to summarize the owner's requirements and options with respect to the Technical Specification.

The scope of the RFP may include the purchase of software or software-as-a-service, data acquisition and integration, and ongoing services related to the use of the EMIS. This template contains sections to aid you with specifying those requirements.



## Energy Management and Information Systems

Energy Management and Information Systems (EMIS) comprise a broad family of tool and services used to

manage commercial building energy use. These technologies and associated functionality include monthly data analytics, energy information systems (EIS), fault detection and diagnostics (FDD), and automated system optimization (ASO). The technical specification template emphasizes EIS and FDD and includes basic specifications for monthly data analytics and ASO. To learn more about the characteristics of EMIS,

see

[APrimeronOrganizationalUseofEnergyManagementandInformationSystems\(EMIS\).](#)

[Energy example for chief](#)

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:b19e54b6-c26d-3bc4-ad72-ef46759a56ee>

[Bellow link part add for above](#)

[Part of Link above/ https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:7ee49335-75e5-3af2-8120-f8431944103b](https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:7ee49335-75e5-3af2-8120-f8431944103b)

Solor Service and support <https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:15c4fd7a-483a-3850-aea3-12c4697fee6a>

To be added **CENTURYLINK**

**DRAFT PROGRAM MANAGEMENT PLAN**

**DRAFT CDRL 79 March 31, 2017 November 4, 2016 to Update EIS to RFP**

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:7ee49335-75e5-3af2-8120-f8431944103b>



## How to Use These Materials

All EMIS installations are unique; this document is intended to be edited/adapted as needed for your unique circumstances.

Content that can be directly transferred into your tailored document is shown in plain text.

*[Instructions are in gray highlighted italic text and enclosed in brackets and may be deleted.]*

[Specific areas for owners to fill in are highlighted in yellow and enclosed in brackets. Edit or delete per your organizational needs.]

Any content that is not relevant to your organization or project may be deleted, and additional content may be added.

Key concepts and pointers to the owner are provided in sidebars, which may be deleted from the final RFP.

### Definitions:

- The word “owner” refers to the name of the organization soliciting proposals and procuring the technology. The owner may be a third-party manager.
- The word “proposal” refers to the response of a person, company, or corporation proposing to provide the technology and/or services sought in the RFP.
- The word “provider” means the person, company, or corporation that submits the RFP.

These are not legally binding documents, and they do not serve as contracts. Legal and executive review is recommended to ensure that appropriate language is included in the documents you create.



## Request for Proposals Template

This template will guide your creation of an RFP for an energy management and information system or related monitoring and diagnostic technology. If your organization has a standard RFP, use this template to supplement it with the suggested EMIS-specific content.

Project: ` SMALL AGENCY AND NATIVE AMERICAN TRIBE EIS TRANSITION PLAN: **Go Green**

### ***Planet Carbon Reduction Carbon Credits***

RE\_OMB-2700-0042\_GSA-ERRC\_EFFECTIVE\_DATE\_12\_16\_2016.EML charter of the

agency:<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:e2deb259-acf9-34ec-a0c0-8c571ca975e9>

To: [Prospective technology and metering and integration providers]

### **Enterprise Infrastructure Solutions (EIS) -**

#### ***Approach to Small Agency and Native American Tribes Transition***

**RFI Number: QTA00NS17SF15002**

1. Plat Form ***Go Green Planet Carbon Reduction Carbon Credits 1.5 Billion month and Water filtration to oil refineries lower the carbon footprint apply to world carbon reduction by 2050***

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:fef11dfa-cb4d-4f6b-91f2-918eac0064bf>

2. Van Charles Air Filtration System, Inc. ("Developer" and/or "Manufacturer") follow link

<https://mail.google.com/mail/u/6?ui=2&ik=f5187f8a3c&attid=0.1&permmsgid=msg-f:1770379873637033587&th=1891a71d7da2e673&view=att&disp=inline> / link

MOU:<https://mail.google.com/mail/u/6?ui=2&ik=f5187f8a3c&attid=0.1&permmsgid=msg-f:1770379873637033587&th=1891a71d7da2e673&view=att&disp=inline>



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33280 ALBION ROAD | ALBION | CALIFORNIA 95410-9998



a company organized and existing under the laws of Florida, with its principal place of business at 4794 NE 11th Avenue, Oakland Park, FL US 33334, E-mail: info@vcfsi.com

3. Go Green Planet Platform District Secretary Chief Geronimo Thomas Langerderfer Federal Contractor, and Awardee of Interior Office of the Department of Human Services Agency Tribal Nations Head Chief, Tribal Nations Government Office of Federal Land Management of Mendocino Indian Reservation (FLMMIR) Agency Tribal Nations E-mail: chief@altearth.org .

4 Tribal Government Agency / Agency Tribal Nations,

Deganawidah-Quetzalcoati University Federal Identification Number IRS Nov. 16, 1998 EIN 94-1746464 D-Q University Research and Lab, refined oil manufacturer apply to or Go Green Planet Initiative A1 Jet fuel service Contract (800M barrels a month). From an World humanitarian perspective, we see no technical barriers to achieving this,

SPOK\*\* TRIBAL ORGANIZATIONS – FEDERAL LAND MANAGEMENT OF MENDOCINO INDIAN RESERVATION

NA48\*\* TRIBAL ORGANIZATIONS – AGENCY D-Q UNIVERSITY CHIEF GERONIMO

Federal Government Agency Tribal Nations Schedule 70

5. TRIBAL FEDERAL CONTRACT FOR 20 BILLION FOR FIVE YEARS FOLLOW LINK {

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:c7b23e56-4a64-40dc-86b9-772edc10aae9>

6. General Services Administration Domestic 500A–2016 Tariff (GSA500A link bellow

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:51615b7b-25b1-3a05-b5ce-13ff531466c2>

From: The Honorable Chief Geronimo Thomas Langenderfer District Secretary and GSA Tribal Federal Contractor of the Interior Executive Branch Department of Human services Agency Tribal NationsChief@altearth.org

Chief Geronimo Thomas Langerderfer, FEMA SID 0005427312

§Office of the Head Chief CONTRACTOR GSA CNTRL NO. 9GR1CA0966 GSA Federal Contractor and Awardee of Interior §Tribal Nations Government Office of Federal Land Management of Mendocino Indian Reservation (FLMMIR)

§APPROVED Resolution Number: A13180 (Agency Tribal Nations and Mendocino Valley Tribal Council Resolutions), Federal Land Management of Mendocino Indian Reservation, July 21, 2021.

§ Tribal U.S. Federal Contractor of the Interior, DUNS 117417714, EIN 84-4663314

§ Position: U.S. Federal Contractor Commissioner Indian Affairs, License #0451655604

§ Employer: Federal Land Management of Mendocino Indian Reservation:



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Tribal Office: 33280 Albion Ridge Road, Albion, CA 95410

Tribal Mailing Address: PO Box 884, Davis, CA 95617

Email: Public CFO Chief@Altearth.org

Email: Tribal Nation Government: [federallandmanagement.ca@contractor.net](mailto:federallandmanagement.ca@contractor.net) [chief@altearth.org](mailto:chief@altearth.org) \707-679-8229

/CHIEF HEAD CHIEF GERONIMO THOMAS LANGENDERFER TCC, AGENCY TRIBAL NATIONS ADP P 2800.14 MANAGEMENT & CONTRACTS | MENDOCINO VALLEY TRIBAL COUNCIL CONSULTANT AND COORDINATION WITH INDIAN TRIBAL GOVERNMENT | SMALL AGENCY AND NATIVE AMERICAN TRIBES TRANSITION FEDERAL TRIBAL GOVERNMENT **Date of Issue:** [Date september 30, 2021]



## 1 Introduction

The introduction section of this RFP gives the proposer the necessary background on the owner's objectives for their EMIS. This section includes details on the owner's sites, systems, and existing monitoring infrastructure, as well as an overview of the project scope and team.

*[The sidebars throughout this document include key concepts and definitions that may be deleted for the final RFP.]*

## 2 Purpose

RESOLUTION NO. MVTC-AL3180

SUBJECT DELIGATION OF AUTHORITIES AND//OR RESPONSIBILITIES

TRIBAL ADVISSORY BUISNESS COMMITTEE

Whereas Mendocino Valley Tribal Council Agency Tribal Nations of Tribes CFR 1245.107 (a) License of the Government by the Administrator the Presidential recognized Reservation, , in order to establish our tribal Agency, General Service Administrator Office: Office of the Administrator(A) Location: Office of the Chief Of Staff: Federal Land Management of Mendocino Indian Reservation "TABC": and

Whereas Tribal Nation (TABC) General Council of the Agency: UNITED STATES POSTAL SERVICES: Office: Top Level , Location: 570.701 (1) Federally Recognized Tribal Governing Body of the Mendocino Valley Tribal Council Hereinafter referred to as the "Tribe", and

Whereas in accordance with Article of the Association of the Executive Order Tribal Colleges and Universities Mendocino Valley Tribal Constitution Article III- Organization of the Government 2021 (CFDA # 84..031 T) TITLE\_AMERICAN INDIAN TRIBALLY CONTROLLED\_COLLEGES AND UNIVERSITIES PROGRAMS "No Child Left Behind"\_: and

Whereas the federal government will therefore work to implement the innovation and reforms of the 2004 Contract of (5) Act Of 2001 " No Child Left Behind" to Tribal Federal Contractor D-Q University Building 104 Remodel Student Services and Child Care Facility" 2004 Adopted update 2021 by Agency Tribal Nations OMB 2700-0042 GSA Tribal Federal Contractor of The Interior Native American Affairs Utilities and Saint Joseph Concept 1503 ERR effective date 2016; and

Whereas Applied 2021 July 21,2021 Tribal U.S Federal contractor of the Interior, Incorporated Section. 1. Policies. Sec.2. Definition of Tribal Colleges and Universities, Sec. 3, Board of Advisory, (a) Establishment (b) Membership, FEMA open Enrollment, (c) Functions, (1) Endowment Building Noted 2204 104 Rebuild: (2) Improve financial management and security expand and compliment federal educational infinitives: (3) Develop institution capacity by both the federal and private sectors: (4) Enhance physical infrastructure to facility more security, operations: and

Whereas Sec.4 Agency Tribal Nations on White House Initiative on Tribal Colleges and Universities

SFA# 52021671/NSP# 80162 RFP No.: QTA0015THA3003 7



asserting that (WHITCU) The WHITCU shall: follow Head chief and Tribal Contractor Adopt (a) Provide the staff for the Board Active Mike A Williams Draft actions noted and applied to action, (b) The Tribal U.S. Federal Contractor of the Interior in the Liaison assist the Secretary between the Executive Branch and tribal Colleges: and (c) serve the secretary in carrying out the Secretary responsibilities under the order; and

Further Resolve Tribal Energy resource agreement 25 CFR part 244 Tribal Indian Agreement under the Indian tribal Energy Development Part Self-Determination Tribal Indian Act final rule 25 USCA 1360 (b) with any treaty agreement within the Interior State Mendocino Indian Reservation regulations made pursuant Native Government website flmmirr.net District III Fort Apache and Further Resolve Department Energy, Labor Executive Order to Award Contract and Grants with P.L. 93-638 which gave Indian Tribes and GSA Surplus Access and DHA Defense Health care agency packet herein U.S. Department gives Order for DE-FOA-0001503 FPDS PER FAR 4.603, AND PER FAR 4.605. Course ID FEMA38 level (202) renewal credit IACET CEUS:0.20 CEU LEVEL 2017-1- (Aristech lic.# ca renewal credited course(WBD608)EX C-123456DE-FOA-0001744Certificate of compliance F 5330.20 with USC 922(g)(s)(B) F5320.20 APPOINTMENT TO TRANSPORT, FEDERAL REGISTRY NOTICE MA-2017-03 Federal Land Property Executive Order 13777/ enforcing reform Agenda Schedule GSFAC Facility Jurisdiction Mendocino California Sovereign OMB 3245-0118 and

TCC, AGENCY TRIBAL NATIONS ADP P 2800.14 MANAGEMENT & AMP CONTRACTS | MENDOCINO VALLEY TRIBAL COUNCIL

CONSULTANT AND COORDINATION WITH INDIAN TRIBAL GOVERNMENT | SMALL AGENCY AND NATIVE AMERICAN TRIBES TRANSITION

FEDERAL TRIBAL CONTRACTOR GSA CNTRL NO. 9GR1CA0966  
SMALL AGENCY AND NATIVE AMERICAN TRIBE EIS TRANSITION PLAN  
RE\_OMB-2700-0042\_GSA-ERRC\_EFFECTIVE\_DATE\_12\_16\_2016.EML /  
CHIEF HEAD TRIBAL NATIONS GOVERNMENT OFFICE  
RE\_OMB-2700-0042\_GSA-ERRC\_EFFECTIVE\_DATE\_12\_16\_2016.EML  
TRIBAL NATIONS MENDOCINO VALLEY TRIBAL COUNCIL

Further Resolve ARTICLE VI – Powers of the Tribal government

The “Chief Justice” shall have all powers vested in the Tribal Government through its inherent sovereignty by Chief Head federal law. It shall execute these powers in accordance with established customs of the Tribal Government and subject to the express limitations contained in this constitution or other applicable laws. These powers include but are not limited to the following:

- (a) To represent the Tribal Government and act in all matters that concern the welfare of the Tribal Government, and to make decisions to this constitution.
- (b) To negotiate and enter into contracts with the federal, state, local governments, and with individuals, associations, corporations, enterprises or organizations.
- (c) To purchase or accept any land or property for the Tribal Government.
- (d) To enact laws regulating the use, inheritance of all property within the territory of the Tribal Government.
- (e) To lands interests in tribal funds or other tribal assets;
- (f) To employ accordance with applicable Tribal Government laws;



- (g) To enact Tribal Government laws regulating the domestic relations of persons within the jurisdiction of the Tribal Government;
- (h) To enact a law-and-order Tribal governing the conduct of constitution within the laws;
- (i) To provide for the exclusion of any non-member
- (j) To levy and collect taxes, duties, fees and assessments.
- (k) To appropriate and regulate the use of funds in accordance with an annual budget approved by the Tribal Government;
- (l) To regulate all business activities within the jurisdiction, and to manage all economic affairs and enterprises.
- (m) To regulate all matters and to take all actions necessary to preserve and safeguard the health, safety, welfare;
- (n) To appoint Tribal Advisory Committee, Tribal Business Department. Administration, Representatives and, Tribal Government Tribal law enforcement officers and Security, and to set their compensation, tenure and duties.
- (o) To enact laws, necessary or incidental to the exercise of its Tribal Government powers;
- (p) To take any and all actions necessary and proper for the exercise of the foregoing powers and duties, including those powers and duties, and for all other powers and duties now or hereafter delegated to the Tribal Government, or vested in the Chief Justice by federal law or through its inherent sovereignty. and Further Resolve Article VII The Tribal Government System Section 1. Establishment The judicial power of the Tribal Government Agency Tribal Nations Federal Land Management of Mendocino Indian Reservation Chief Justice Head Chief Senior Ranger Federal Law Enforcement shall be vested in the Tribal Government Court System. The Tribal Government Court System shall include a Tribal Government Court System Chief Justice and such other lower Tribal Government Tribal Law enforcement of special jurisdiction, including forums for traditional dispute Document, as the Tribal Government Court system may establish by this constitution. Herein Incorporated Tribal Government Amendment System Court of Appeals which shall be the court of last resort for all cases filed within the Chief Justice Tribal Government Court System; and Herein resolve Section 7. Court Rules. The duties and procedures of the Tribal Government Court System, and all other court matters not addressed in this article of the constitution, shall be established by the Chief Justice, Chief Geronimo

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CONSULTANT AND COORDINATION WITH INDIAN TRIBAL GOVERNMENT | SMALL AGENCY AND NATIVE AMERICAN TRIBES TRANSITION

FEDERAL TRIBAL CONTRACTOR GSA CNTRL NO. 9GR1CA0966

Chief Geronimo Thomas Langenderfer, Tribal Government Court System to this constitution. Sec. 5 Department and, Agency Participation. As adopted services to Sec. 6 (a-d) Three-year Federal Plan Incorporated FY 2021-2024 Policy Executive Order Tribal Colleges and Universities Tribal Operations Programs RESOLUTION NO. MVTC-A13180 AGENCY TRIBAL NATIONS ASSISTANCE FEDERAL LAND MANAGEMENT OF MENDOCINO INDIAN RESERVATION TRIBAL



NATIONS (TABC) ADUNDUM ADOPTION OF EXECUTIVE ORDER TRIBAL COLLEGES AND UNIVERSITIES 2021-2024 3 FY YEARS CFDA # 84.031 T

TITLE AMERICAN INDIAN TRIBALLY CONTROLLED\_\_ COLLAGES AND UNIVERSITIES

PROGRAMS. GHI Agriculture Lab, Research Medicine and No Child Left Behind, DATE: \_July 20, 2021

AGENCY TRIBAL NATIONS, ASSISTANCE FEDERAL LAND MANAGEMENT OF MENDOCINO INDIAN RESERVATION TRIBAL NATIONS (TABC)

I, (CHIEF GERONIMO THOMAS LANGENDERFER-XVIII), hereby swear under penalty of perjury, that the information provided herein is accurate and true as of this date: 6/28/2023

*[Include a brief description of the purpose of this RFP. Edit to*

*include monitoring-based commissioning (MBCx) services, and Energy Information System (EIS), fault detection and diagnostics (FDD), or Automated System Optimization (ASO) technologies as needed.]*

Department Of Human Services Agency Tribal Nations

Executive Branch ] is soliciting proposals for qualified companies to provide an energy management and information system (EMIS), monitoring-based commissioning (MBCx) services, necessary metering and communications hardware and software, and system training. Technology and service providers are invited to submit a proposal in accordance with this Request for Proposals (RFP).

### 3 Background

*[Include a description of the project with background information, including but not limited to the following elements:]*

**Organizational and facilities overview:** *[Describe the organization's business services, building types, portfolio floor area, and geographical coverage.]*

Van Charles Air Filtration System, Inc. wish to collaborate with the Tribal Nations Government Office of Federal Land Management of Mendocino Indian Reservation (FLMMIR) Agency Tribal Nations on developing a new state of the art air filtration system. Our organization seeks funding to develop a

prototype air system specifically for the Tribal Nation. In partnership with the Tribal Nation, Van Charles is committed to improving global air quality and promoting the well-being of individuals and communities worldwide.

**Project scope:** *[Describe the number of sites and floor area included in the technology implementation scope. Include whether this is a pilot and any potential plans to further scale the implementation in the future, and associated decision criteria.]*

#### Project technical objectives:



*[Describe the goals of the project, motivation, and expected technology uses and ongoing service. The intention of this section is to give the proposer an overview of the project objectives. Add, edit, and delete from the following list as needed.]*

In alignment with the United States of America Agency Tribal Nations "GO GREEN Planet" Initiative and the Agency Tribal Nations government to government consultation, services and partnership



global green fuel strategic economic Plan, Van Charles Inc. mission is to provide innovative and sustainable solutions that address the pressing issue of air pollution and its detrimental impact on human health and the environment. At Van Charles Air Filtration System, Inc., we firmly believe every person deserves clean and breathable air, regardless of their geographic location or socio-economic background. With an unwavering commitment to sustainability and a passion for making a positive difference, our team of dedicated experts combines cutting-edge technology, scientific research, and community engagement to drive real and measurable change with our patented air filtration system design. In partnership with the Tribal Nations Government Office of Federal Land Management of Mendocino Indian Reservation (FLMMIR) Agency Tribal Nations, Van Charles teaming partner TruBest Enterprise Solutions LLC will utilize General Service Administration (GSA) Multiple Award Schedule (MAS) Contract #47QTCA21D0092 to support government services and/or Streamlined technology Acquisition Resource For Services (STARS) III. The GSA schedule is a government wide acquisitions contract (GWAC). TruBest provides program Management and innovative technology solutions to federal organizations. Both schedules are government wide acquisition contracts (GWACs) which is also an indefinite delivery/indefinite delivery (IDIQ) contract vehicle. The company socio-economic designations include Service-Disabled Small Business, Disadvantaged Small Business and certified in the Small Business Administration (SBA) 8(a) program.

The successful development of the Air Filtration Prototype ("Air Filtration System") at a refinery chosen by Chief Geronimo will contribute to the reduction of carbon output to petroleum refineries of the air filtration system up to 35% as identified within the 5-year Initiative Footprint Reduction based on Project milestones. It is applicable to land, air and sea Funding the Air Filtration System development shall

execute the sovereign authority under the Executive Branch Agency Tribal Nations Enterprise Infrastructure Solutions (EIS) transition to the 5-year initiative of small Agencies and Native American tribes. The specification of the system shall assist government partners to comply with proposed standards and federal requirements.

Thank you for your consideration.

Sincerely

---

### **Monitoring-Based Commissioning (MBCx) and Energy Management and Information Systems**

MBCx is an ongoing commissioning process with emphasis on analyzing large amounts of heating, ventilation, and air conditioning (HVAC), interval meter, and utility data on a continuous basis to improve building performance. EMIS tools are used in the MBCx process to organize, present, visualize, and automatically analyze the data. The EMIS may also include supervisory control functions to optimize system operations.

The analysis generated from EMIS tools enable building owners to operate their buildings more efficiently and with improved occupant comfort by providing visibility into and analysis of the energy consumed for space conditioning and ventilation, and other end uses.

For more information on EMIS features and capabilities, see [A Primer on the](#)

[Organizational Use of EMIS](#) and the *EMIS Technical Resource Report*.

For more information on the MBCx process, see [What You Need to Know About MBCx](#) and MBCxPlan



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Facilitate continuous energy management and increased

operational efficiency

Enable the organization to reduce portfolio energy use by [X50%] percent

Automate energy performance analysis using an energy information system (EIS)

Perform automated fault detection and diagnostics (FDD) for the HVAC system

Achieve automated system optimization with the EMIS software performing supervisory control to supplement the building automation system (BAS)

Track the impact of energy efficiency projects, and measure and verify savings

Track and manage peak demand

Produce reports for energy and utility management, operations, and maintenance

Support implementation of ISO 50001 Ready

Provide ongoing support to the owner's team for analysis, and follow up on EMIS results, as defined in the Ongoing Services Specification (Section 3 below)

Manage utility rebate submissions and subsequent reporting

**Project budget:** Contract Funding Requirement: \$500,000,000 Million Dollars USD Start up [May include a not-to-exceed budget, range, or no budget information, as applicable.] project Phase 1, of fist Dropdown of funding, research, service of approach to the Project, timeline of process to apply concept of Project, As relevant to this RFI, under sections 40101(c), 40107, and 40103(b), the BIL appropriated.

approximately \$10.5 billion for the five-year period encompassing Fiscal Years (FY) 2022 through 2026 to

prevent outages and enhance the resilience of the electric grid, deploy technologies to enhance grid

flexibility, and demonstrate innovative approaches to power sector infrastructure resilience and

reliability. Together DOE refers to these provisions as the Grid Resilience and Innovation Partnerships

(GRIP) program.<sup>2</sup>

**Implementation schedule:** Years 5 [Include a desired time frame for implementation and ongoing MBCx services.]

**The Promise of ISO 50001 for Commercial Buildings To be added:**

Energy Management Information System and examples of energy management system tools

As sample link

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:0033701e-9c7e-3a92-bc16-fcef19ff85a3>

Apply to Contract:

<https://acrobat.adobe.com/link/review?uri=urn:aaid:scds:US:b19e54b6-c26d-3bc4-ad72-ef46759a56ee> Request for

Information: Grid Resilience

and Innovation Partnerships Program

DATE: August 30, 2022

DATE: August 30, 2022

SUBJECT: Request for Information (RFI) (DE-FOA-0002827)

DUE DATE: October 14, 2022, 5pm EDT

Verification TO: [GDORFI@hq.doe.gov](mailto:GDORFI@hq.doe.gov)

This is a Request for Information (RFI) issued by the U.S. Department of Energy's (DOE) Grid Deployment



Office (GDO) in collaboration with the Office of Clean Energy Demonstrations (OCED). This RFI seeks public input to help inform DOE's implementation of the Infrastructure Investment and Jobs Act (IIJA), also commonly known as the Bipartisan Infrastructure Law (BIL).<sup>1</sup>

The BIL is a once-in-a-generation investment in infrastructure, designed to modernize and upgrade American infrastructure to enhance United States competitiveness, drive the creation of good-paying union jobs, tackle the climate crisis, and ensure stronger access to economic, environmental, and other benefits for disadvantaged communities (DACs). BIL includes a historic investment to upgrade our transmission and distribution systems to improve reliability and resilience and to facilitate the deployment of more affordable and cleaner energy across the country as highlighted by DOE's Building a Better Grid Initiative.

To help inform DOE's implementation of the BIL provisions referenced above, this RFI seeks input on:

☐ DOE's implementation strategy for the GRIP program, including the competitive solicitation process, funding opportunity announcement (FOA) structure, prioritization of topics and projects, and assessment criteria. In addition to the overview presented here, the full DRAFT FOA can be found <https://www.fedconnect.net/fedconnect/?doc=DE-FOA-0002740&agency=DOE>. ☐ The alignment of the implementation of the GRIP program in supporting the Biden Administration's priorities, including:

a. Maximizing Benefits of an upgraded and modernized grid for American communities,

including increased resilience and reliability and increased access to affordable, lower carbon electricity.

b. Quality Jobs developed through the GRIP program including (a) efforts to attract, train, and retain a skilled workforce and (b) workforce opportunities in communities that have lost jobs due to the displacements of fossil energy jobs.

c. Community Benefits that could be achieved through the GRIP program including diversity, equity, inclusion, and accessibility.

<sup>1</sup> Public POC :Administrator GSA Tribal Federal Contractor / District Secretary –Agency Tribal Nations  
DEGANAWIDAH-QUETZALCOATI UNIVERSITY a FOR PROFIT PUBLIC BENEFIT COMPANY, SMALL AGENCIES AND NATIVE AMERICAN TRIBES ECONOMICAL STRATEGIC PLANNING, Primary Gsa Federal Contractor, and District Secretary, Chief Geronimo Thomas Langenderfer

33250 County Road 31 Davis

California 95616-9998  
Phone:707.679.8229

Email: [chief@altearth.org](mailto:chief@altearth.org)

ISO 50001 is a voluntary global standard for energy management systems (EnMS) focused on continual improvement of energy performance as an everyday business practice. In contrast to EMIS, EnMS is not a software or hardware system. The focus of EnMS is on establishing an energy policy and objectives and the process and procedures to achieve those objectives. EnMS are a natural complement to EMIS in



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commercial buildings, with EMIS providing actionable information that energy managers can use to achieve EnMS objectives.

The U.S. Department of Energy (DOE) offers the 50001 Ready program to recognize organizations for establishing the foundational structure of ISO 50001. The program is a self-paced approach to building a culture of energy improvement that leads to deep and sustained energy savings. Organizations can use the 50001 Ready Navigator tool online for assistance in putting an EnMS in place.

In the tool, the DOE has outlined 25 tasks with supporting guidance to help organizations implement a 50001 Ready system. The tasks are grouped by the seven ISO 50001:2018 sections:

1. Organization Context
2. Leadership
3. Planning
4. Support
5. Operation
6. Performance Evaluation
7. Improvement

Learn more at [50001 Ready](#).

**Table 1. Benchmarking KPIs**

| Meter-level KPIs  | EMIS View  | Analysis  |
|---|--|---|
| <ul style="list-style-type: none"> <li>▶ Annual energy use with normalizing factors including gross floor area, heating degree days (HDD), cooling degree days (CDD), and % occupied</li> </ul> | <ul style="list-style-type: none"> <li>▶ Whole building kBtu/sq ft or by fuel; ENERGY STAR portfolio manager benchmark score</li> </ul>  | <ul style="list-style-type: none"> <li>▶ Rank the portfolio and review outliers.</li> <li>▶</li> </ul>                    |
| <ul style="list-style-type: none"> <li>▶ Monthly energy use with normalizing factors</li> </ul>   | <ul style="list-style-type: none"> <li>▶ Monthly energy use intensity (EUI) in whole building kBtu/sq ft and by fuel [add other normalizing factors as desired such as occupancy or production units]</li> </ul> | <ul style="list-style-type: none"> <li>▶ Compare to the previous month or the same month of the previous year.</li> </ul> |
| <ul style="list-style-type: none"> <li>▶ Daily electricity KPI:</li> <li>▶ (Total building kilowatt-hours [kWh]/day)</li> </ul>   | <ul style="list-style-type: none"> <li>▶ Min/max/average/current daily reading</li> </ul>  | <ul style="list-style-type: none"> <li>▶ Establish facility benchmarks after commissioning.</li> </ul>                    |
| <ul style="list-style-type: none"> <li>▶ Daily gas KPI:</li> <li>▶ (Total therms/day)</li> </ul>  | <ul style="list-style-type: none"> <li>▶ Min/max/average/current daily reading</li> </ul>  | <ul style="list-style-type: none"> <li>▶ Establish facility benchmarks after commissioning.</li> </ul>                    |
| <ul style="list-style-type: none"> <li>▶ Submetering (equipment or end uses)</li> </ul>   | <ul style="list-style-type: none"> <li>▶ kBtu or kWh</li> </ul>  | <ul style="list-style-type: none"> <li>▶ Establish facility benchmarks after commissioning.</li> </ul>                    |

The meter-level KPIs in Table 3 can be displayed in both cross-sectional benchmarking and longitudinal benchmarking formats.

- Cross-sectional benchmarking: The technology will allow the user to create “peer groups” and will rank buildings (and/or submeters, meters, and equipment) by a performance index. The technology will also interface with the ENERGY STAR Portfolio Manager to automatically produce ENERGY STAR scores for user-selected buildings. *[Specify critical indices or metrics for your buildings and equipment such as kBtu per sf, \$ per year, and use of other normalizing factors.]*
- Longitudinal benchmarking: The technology will provide the ability to compare the KPI in a fixed period [day/week/month/year] for a building, system, or equipment component against past [and/or predicted] performance of the same period length.

#### Heat map visualization

- The technology will provide heat maps of energy consumption, color coding the magnitude of the metered energy usage for a user-selected time period of historic data.

#### Baseline energy consumption modeling

- The technology will characterize and predict the typical or expected energy usage based on key drivers such as weather (degree days or outside air temperature), occupancy, time of day/week, and other variables.
- The baseline will be used for energy savings calculations, near-future load predictions, energy use comparisons, and energy anomaly detection.
- The technology has the capability to set up multiple baselines, e.g., prior year and a corporate goal baseline.

#### Energy anomaly detection

- The technology will identify and flag unexpectedly high or low energy use at the [building, submeter, and equipment level] using [a baseline model / simple alarming threshold].
- The technology will allow for energy anomaly detection thresholds to be user-defined.
- The technology will provide the ability to track energy anomalies (duration and persistence) to facilitate response and resolution.

### Managing Technology Costs

This template specification includes an extensive array of technology capabilities with the intention that users of the specification customize and eliminate capabilities that are not needed. Technology vendors may provide a standard offering with additional fees for custom options. Types of capabilities that may increase costs and complexity include:

- Import/upload of historical data
- Integration of the EMIS with older BAS or other end-use systems (e.g., lighting, plug loads)
- Options for user-defined customizable inputs
- Highly flexible visualization options
- Extensive integration of data streams from other databases
- A high degree of customization
- Integration with CMMS

To manage technology costs, take care that your specification does not result in a highly custom solution. For example, most interval data analysis technologies such as energy information systems will not provide extensive utility billing management capabilities or control capabilities. However, increasingly,

- Assistance to set up the baseline model will be provided.

#### Building energy dashboards and reports

- The technology provider will provide a public-facing configurable dashboard display for occupants and visitors to view owner-defined aspects of energy consumed in the building, including: [energy use intensity, cumulative savings over time].
- The technology provider will provide an operator-facing or energy manager-facing configurable dashboard display to view building energy performance.
- The technology provider will provide all necessary hardware, software, and connectivity for users to create their own shareable reports.

#### Demand monitoring

*[Describe any desired requirements for how the technology will monitor and analyze building peak load. Consider, for example, the following potential capabilities; delete any that are not required, and add and edit as needed.]*

- The technology will provide [daily/monthly/annual] peak load monitoring.
- The technology will provide notification through [e-mail, text message, or other means] to an individual and/or group of recipients when the demand for critical metered loads passes a threshold.

## 1 System Data Analytics

The owner desires equipment-level analytics and specific, automatic recommendations for improvements to occupant comfort, asset health/life, and energy use. This section covers the use of system data analytics to detect performance degradation and can be utilized in a conditions-based maintenance program. *[Describe any desired requirements for how the technology will provide fault detection and diagnostics with system data analytics. Consider, for example, the following potential capabilities; delete any that are not required, and add and edit as needed.]*

## 2 Fault and Optimization Opportunity Detection

Meter-level fault detection is covered in Section 2.3.2 under Energy Anomaly Detection. This section focuses on FDD using BAS data.

The technology will utilize BAS trend data and system-level metering (where available and applicable).

The technology will provide the capability to detect faults across the following systems: [chilled water plants, packaged rooftop units, air-handling units, terminal units/zone temperatures, and steam/hot water plants].

The technology will provide the capability to detect faults across the following systems: [lighting, plug loads, domestic hot water heating, and manufacturing processes]. *[These systems are less common for inclusion in FDD and may add cost to integrate.]*

The technology will be configured to continuously detect the following faults, opportunities, or performance degradation, as listed in Table 4. *[This list should be edited to meet the owner's needs for desired depth of diagnostics, HVAC system type, and available monitoring points. The list provided constitutes minimum requirements for most built-up HVAC systems that serve large buildings. Custom fault algorithms may be added where desired to meet specific owner needs. Technology providers typically have many more faults available for implementation than these minimum requirements.]*

**Table 2. Fault Detection Requirements**

| Fault Type  | Fault List   |
|---|--|
| <ul style="list-style-type: none"> <li>▶ General faults</li> </ul>                                | <ul style="list-style-type: none"> <li>• Sensor errors/faults including drift, bias flatline, or complete failure</li> <li>• Stuck/leaky valves and dampers in water- and air-side systems</li> <li>• Scheduling, i.e., HVAC use outside of intended hours of operation</li> <li>• Hunting or cycling, i.e., poorly tuned control loops, cooling tower fan cycling</li> <li>• Manual overrides in place</li> </ul>   |
| <ul style="list-style-type: none"> <li>▶ Chilled water plant</li> </ul>                           | <ul style="list-style-type: none"> <li>• Chilled water supply temperature reset</li> <li>• Chilled water plant lockout</li> <li>• Hydronic differential pressure reset</li> <li>• Cooling tower leaving water temperature reset</li> <li>• Chiller short cycling</li> <li>• Over-pumping and low delta T (for primary secondary chilled water pumping systems)</li> <li>• Monitoring optimum chiller plant performance</li> </ul>  |
| <ul style="list-style-type: none"> <li>▶ Air-handling unit /<br/>Packaged rooftop unit</li> </ul> | <ul style="list-style-type: none"> <li>• Under or over economizing due to sensor, damper, or control sequence issues</li> <li>• Excessive outdoor air intake</li> <li>• Unnecessary simultaneous heating and cooling due to sensor, valve, and control sequence issues</li> <li>• Air-handler unit (AHU) supply air temperature reset</li> <li>• AHU static pressure reset</li> <li>• Fouled or blocked coil and dirty filters</li> <li>• Compressor fault/failure (only for packaged rooftop unit)</li> <li>• AHU optimum start/stop</li> </ul> |
| <ul style="list-style-type: none"> <li>▶ Terminal units</li> </ul>                                | <ul style="list-style-type: none"> <li>• Variable air volume (VAV) minimum supply airflow too high (causing reheat)</li> <li>• Zones are outside an acceptable space temperature range</li> <li>• Space heating and cooling setpoints: insufficient deadband or night setback</li> <li>• Rogue zones driving the AHU system to inefficient operation</li> </ul>  |

|                   |  |
|-------------------|--|
| ▶ Hot water plant | <ul style="list-style-type: none"><li>• Hot water plant lockout</li><li>• Hot water supply temperature reset</li><li>• Hydronic differential pressure reset</li><li>• Boiler short cycling</li></ul> |
|-------------------|--|

The technology provider will supply a list of the minimum set of measurement points and their thresholds/tolerance bands that are required to detect the faults listed in Table 4.

The technology will include the ability to tune FDD rules based on required operational parameters for specific pieces of equipment and HVAC system types, and based on sequences of operation.

The technology will provide an existing library of fault types and the ability to build custom fault detection algorithms if needed. Fault and opportunity detection routines created specifically for the owner's site will be documented sufficiently to allow the owner to implement the algorithms in the future if a different technology provider is selected.

The faults will be prioritized according to a qualitative or quantitative estimate of the fault impacts in the following categories: [energy savings, comfort improvements, avoided O&M costs].

### 3 Fault and Opportunity Diagnosis

The technology will provide root cause analysis of the fault to isolate potential causes of the fault.

Additional capabilities may be specified within the FDD software, such as the ability to add notes to faults and assign a responsible party for follow up.

### 4 FDD Configuration

The technology will be configured and commissioned to robustly support continuous energy and system analysis. System analytics thresholds will be modified to avoid high false positives or false negatives.

The technology will be configured and commissioned to ensure that data are accurately and reliably gathered. *[Specify who is responsible for sensor calibration and data quality checks, either in-house staff or the technology vendor/service provider.]*

### 5 Fault management and FDD results presentation

Each fault will be presented in a clear fashion that includes the fault identified, access to related fault logic used to detect the fault, access to trend data associated with the fault, and indication of possible fault causes.

The technology will provide the ability to track faults (number of occurrences, duration, system, etc.) to facilitate response and resolution.

The fault detection results can be displayed as daily, weekly, monthly, or cumulative. The technology includes links to time series data relevant to the fault, and the data can be viewed with multiple points on each axis.

Summary reporting of faults is available by building or system type.

The technology calculates the energy cost impact of the fault based on engineering calculations and inputs specific to the fault.

The technology will track and record a history of identified faults, from identification through repair completion.

The user will have the ability to "silence" a fault for a period of time.

The technology will allow systems and equipment to be grouped and organized in a hierarchical structure (i.e, prioritize faults based on energy cost savings).

6 Work order management

It will be the responsibility of the technology provider to provide the technical resources necessary to integrate the EMIS with the work order management system. *[If work order integration between the technology and the owner’s CMMS is desired, provide specifics around level of integration and desired workflow. Note that CMMS integration can add significant cost to an EMIS installation.]*

The technology will have the ability to push faults to a work order system.

The technology will have the ability to pull data from the work order system.

The owner will have the ability to generate a work order within the CMMS directly from the faults generated by the FDD software.

The fault shall be sufficiently characterized with problem description, priority, and asset number so the fault can be readily triaged and transferred to the CMMS for work assignment, upon prompting for work order generation by the user.

Upon completion of work or fault resolution, data such as work order status, number, and resolution shall be transferred back to the FDD software for further analytics and tracking of information.

7 System-level diagnostic supports

The technology will include visualization of time series operational data through customizable plotting, with the ability for the user to add multiple points to a single time-series plot, utilize and modify both y-axis scales, and modify date ranges.

The technology will include the system-level KPIs shown in Table 5 *[edit as necessary]*.

**Table 3. System-level KPIs**

| System-level KPIs                   | EMIS View  | Action  |
|-------------------------------------|--|---|
| ▶ Occupant Comfort Index (%)        | ▶ % of operating hours spent within the zone target temperature                            | ▶ Measure for each zone or collection of zones. Track the average, minimum, and maximum values for each building. |
| ▶ Cooling Plant Efficiency (kW/ton) | ▶ Daily profile kW/ton<br>▶ Daily Average (kW/ton)/ton<br>▶ (kW of entire plant preferred) | ▶ Varies based on load. Review kW/ton vs. ton plots to identify performance drift.                                |
| ▶ Heating Plant Efficiency (%)      | ▶ Btu per hour (out) / Btu per hour (in); Review daily profile                             | ▶ Varies based on load. Review efficiency vs. load plots to identify performance drift.                           |
| ▶ Fan System Efficiency (%)         | ▶ kW of supply/return/exhaust fans per cubic foot per minute (cfm) of airflow              | ▶ Varies based on load. Look for variance between air handlers or performance drift.                              |
| ▶ Chilled water delta T             | ▶ Daily average difference in chilled water supply and return temperature                  | ▶ If there is an insufficient temperature difference, investigate over-pumping                                    |

|  |   |   |
|--|---|---|
| <p>▶ Measured variable (e.g., supply air temperature, zone airflow rate, zone temperature)</p> | <p>▶ Percentage of time that the measured variable is maintained within the desired deadband (setpoint ± threshold) during the period</p> | <p>▶ Compare multiple components (e.g., VAV terminal units, AHUs) to find the best and worst performers; prioritize maintenance and repair.</p> |
|--|---|---|

The technology will include diagnostic heat maps that are configured to include zone damper commands (% open) and zone deviation from deadband.

The technology will include a system performance dashboard that summarizes faults detected, faults corrected, and estimated impact (avoided cost).

### 8 Automated System Optimization

The previous functionality has focused on one-way data transfer and analysis. Some EMIS products include two-way data transfer with supervisory control to implement advanced optimization algorithms in real time without user intervention. These optimization algorithms may implement model-predictive control, grid-response, or corrective action to address sensor faults or control improvement opportunities.

*[Describe any desired requirements for how the technology will provide control. Consider, for example, the following potential capabilities; delete any that are not required, and add and edit as needed.]*

#### 9 HVAC performance optimization

The technology will include the ability to minimize energy consumption, total utility costs, and/or carbon emissions through the following performance optimization capabilities:

- optimized control for the chilled water and air handling systems, including optimized reset schedules and control strategies

- automatic correction of sensor faults

#### 10 Peak demand charge minimization

The technology will include the ability to control building loads and stage equipment to minimum peak demand charges from the utility.

The technology will optimize use of [thermal storage and/or battery storage] to minimize peak demand charges from the utility.

#### 11 Provision of grid services

The technology will provide the capability to initiate load shed, shift, or modulation for grid response in response to dispatch signals or price signals.

The technology will interface with the utility via the [specify communication protocol, e.g., OpenADR, IEEE 2030.5] communication protocol.

#### 12 Other supervisory control strategies

Specify other types of supervisory control objectives such as setpoint enforcement across a portfolio of buildings.

For these control functions specified in sections 2.5.1 – 2.5.4, the following HVAC systems [chilled water plant, steam/hot water plant air-handling units], energy storage options [thermal storage and/or battery storage], and other distributed energy resources [solar photovoltaics, fuel cells, electric vehicle charging stations, and/or other generation sources] are available for system optimization. For these control

functions, technology providers will need to detail:

Failsafe and override operation.

How operating parameters will be set and refined to maintain occupant comfort.

Visualization and quantification of changes in demand

Whether the optimization uses predictive algorithms

Whether the technology uses specific utility tariffs, or a proxy

### 13 Project Management and Reporting

#### 14 Project management and verification of savings

*[Describe any desired requirements for how the technology will streamline the energy efficiency project process and evaluate project savings. Consider, for example, the following potential capabilities; delete any that are not required, and add and edit as needed.]*

The technology will provide the capability to log and track the status of energy efficiency projects (e.g., start, ongoing, finish) and personnel assigned. The technology will allow users to annotate charts and displays with key events and will store those annotations. *[These project tracking capabilities are less common in EMIS, and specification may limit responders.]*

The technology will provide measurement and verification (M&V) capabilities in accordance with the International Protocol for Measurement and Verification Protocol (IPMVP) Option C or other industry standards, such as ASHRAE Guideline 14. The baseline model type should be described in the proposal, and preferably adhere to transparent/documented model specifications. Additional requirements include:

- Provision of baseline model fitness metrics (e.g., NMBE, CV[RMSE], R2)
- Ability to create multiple baseline models for a single meter
- Ability to perform M&V using monthly and interval data
- Ability to convert savings to common units (e.g., kBtu, \$) and normalize (e.g., kBtu/sq ft/yr)
- Ability to use ambient temperature data within the baseline models
- Ability to acquire other independent variable data, such as number of occupants, number of beds occupied, number of meals served, etc. These data may be entered manually or acquired from an enterprise-level system

The technology will provide the ability to express savings for each discrete project or in aggregate at the whole-building meter or submeter level, for a defined pre- and post- period or as a cumulative aggregated total. Output and charting requirements include: *[time-series charts including actual and predicted energy use, cumulative sum of energy savings charts (CUSUM), energy savings report tables]*.

The technology will provide capabilities to support savings analysis using IPMVP Option B.

#### 15 Notification, reporting, and data export

*[Describe any desired requirements for anomaly or fault detection, reports generated by the technology, and data that can be exported from the technology. Consider, for example, the following potential capabilities; delete any that are not required, and add and edit as needed.]*

The technology will provide customizable notification schemes including: [work order generation, e-mail, phone, text message, to individual and/or group recipients] for data quality alerting, anomaly detection, and fault detection.

The technology will provide [year-over-year, month-over-month, week-over-week, or day-by-day] [energy, cost, and/or equipment health and performance reports] in a format specified by or acceptable to the owner.

The technology will provide users the ability to create and save custom reports.

The technology will export reports to the following file formats [specify which]:

- .pdf
- .doc/.docx
- .jpg
- .xlsx/.xls
- .html

The technology will allow users to export data (all, or selected points or totalizations) to the following file formats [specify which] for use in external tools such as MS Excel and MS Access:

- .xlsx/.xls
- .csv
- .xml

## 16 IT Requirements

### 17 Data storage and backup

*[Describe any desired requirements for data storage and backup services; delete any that are not required, and add and edit as needed.]*

Data archival will use a database and provide a periodic data backup option (e.g., monthly, quarterly, yearly).

The technology will offer sufficient capacity to store all required data for a minimum period of [specify duration] (see listing of required data in Section 2.3.1).

The owner will be given unfettered read-only access to the data and analytic results. The data will not be deleted and will be stored in such a way that historical data may be downloaded in the future [specify duration].

### Reporting Considerations

Take care to plan your reporting needs, based on your organization's operations and management. Consider, for example:

- Who will receive and access reports? Information content will differ based on roles and responsibilities (e.g., executives vs. operational personnel).
- How will the reports be used based on current business practices?
- What reports are currently used, and how frequently are they generated?
- What data are required to generate new energy or operational reports? Are those data included in your metering plan?
- What user-defined customizable options would you like supported?

Most EMS can provide user defined

### SaaS vs. On-Premise Offerings

Many of today's energy analytics technologies are delivered as software-as-a-service (SaaS) offerings. Depending on the specific software solution or vendor, on-premise, self-hosted solutions may not be available.

On-premise solutions are not hosted "in the cloud" yet can still accommodate remote, off-site access. Server hardware and software, maintenance, and network connectivity are the responsibility of the site or owner. Data are stored and handled internally, behind any firewalls.

Instead of running on servers on-site with local data storage, off-site SaaS cloud-based applications are widely available. The

At the conclusion of the contract, the technology provider must retain data for a minimum of [specify duration]. Upon request, the provider should return all data to the owner or if return is not feasible, destroy and not retain any copies (and furnish the owner with an appropriate Certificate of Destruction) of any and all owners' data that is in its possession.

18 Software hosting and data ownership

[Specify the preferred option for software hosting.]

Software as a service (SaaS), operated and maintained by a technology provider

- The owner retains ownership of all their data on the service provider's cloud-based server.
- The owner's network security team will allow limited firewall rules to enable the cloud-based connection.
- The service provider's server security settings must meet the owner's network security standards.

On-premise [specify whether maintenance will be conducted by the technology provider or by the owner].

- The owner will retain full ownership and control of the software platform and the data.
- The software platform will be installed on owner-controlled virtual servers.
- All data, reports, graphics, analytics, documentation, and other information associated with this system also will be stored on owner-controlled virtual servers.
- Any algorithms and programming must be sufficiently documented to allow members of the owner team to operate and maintain the system without future support from the software provider.

19 Cybersecurity

The technology provider will describe the approach for complying with the owner's requirements for privacy and network and system protection identified in Table 6. [Edit and add cybersecurity requirements as needed, including any specific requirements from the owner's IT representative and any specific frameworks and/or protocols that the technology provider will need to address. Table 6 identifies frameworks and protocols that are required by federal agencies as a reference for a robust cybersecurity process. Owner-specific requirements may differ. Delete any that are not required, and add and edit as needed.]

[From Table 6, delete any cybersecurity areas, frameworks, or protocols that are not required, and add and edit as needed.]

**Table 4. Owner's Cybersecurity Compliance Requirements**

| Cybersecurity Area  | Related Framework / Protocol   |
|---|--|
| Frameworks governing cybersecurity and risk management requirements | <ul style="list-style-type: none"> <li>• Cybersecurity Framework (CSF) – Executive Order 13800</li> <li>• NIST Special Publication 800-37R2 Risk Management Framework (RMF) – Federal Information Security Modernization Act (FISMA) &amp; Office of Management and Budget (OMB) Circular A-130</li> </ul> |

| Cybersecurity Area  | Related Framework / Protocol   |
|---|--|
| Policy guidance for mapping information types and systems, and completing a cybersecurity review                              | <ul style="list-style-type: none"> <li>• FIPS 199 “Standards for Security Categorization of Federal Information and Information Systems” (FIPS 199)</li> <li>• FIPS 200 “Minimum Security Requirements for Federal Information and Information Systems” (FIPS 200)</li> <li>• NIST Special Publication 800-60 Volume II: Appendices to Guide for Mapping Types of Information and Information Systems to Security Categories</li> <li>• Committee of National Security Systems Instruction (CNSSI) No. 1253 (mandated for Department of Defense facilities)</li> </ul> |
| Policy guidance for developing a system security plan (SSP), identifying security boundaries, and selecting security controls | <ul style="list-style-type: none"> <li>• NIST Special Publication 800-18: Guide for Developing Security Plans for Federal Information Systems</li> <li>• NIST Special Publication 800-53 “Security and Privacy Controls for Federal Information Systems and Organizations”</li> <li>• NIST Special Publication 800-171 “Protecting Controlled Unclassified Information in Nonfederal Systems and Organizations”</li> </ul>   |

The technology provider must describe how the proposed EMIS solution addresses security requirements and how the technology provider will coordinate with the owner's IT representative during the project to ensure a comprehensive approach to security. *[Describe the desired requirements for the implementation process and coordination with owner's IT representative. Delete, add, and edit steps in the process as needed.]*

The work in each step would be completed after the contract is awarded:

**Cybersecurity Review:** Work with owner's IT representative to conduct a security review of the EMIS system and to specify the approach for integrating the EMIS system with the existing IT infrastructure. *[In the federal sector, in addition to cybersecurity for the EMIS, all underlying systems connecting to the EMIS must go through a cybersecurity authorization process (BAS, meters, etc.) in order to be connected to the EMIS.]* The review should provide detail on:

- Information types that are input, stored, processed, and/or output from the EMIS
- Default interfaces and connections within the EMIS
- List of assets and components that form the EMIS
- List of applications within the EMIS
- Architecture and data flow diagrams for the EMIS

**Design Cybersecurity Approach:** Work with the owner's IT representatives to design a comprehensive security approach for EMIS implementation, and if applicable, provide input to update the owner's system security plan and/or other relevant security policies and protocols. Based on the cybersecurity review, identify security boundaries and select security controls. Controls must be tailored to organization-specific security requirements. Control measures must address best practices for maintaining information security, such as encryption, user access, and multifactor authentication. The owner's IT representative must review and confirm that the approach is consistent with the owner's requirements.

**Implement Cybersecurity Frameworks & Protocols:** Implement the Cybersecurity controls as designed and agreed with the owner. Verify the effectiveness of the implemented security controls through the inspection, validation, and commissioning process.

**Maintain System to Meet Cybersecurity Needs:** Describe how the technology provider's EMIS system will be monitored and maintained to address evolving cybersecurity requirements (e.g., intrusion detection, security patches, upgrade processes). Include a description of the technology provider's practices for managing information security incidents and improvements.

## 20 Permissions and access control

*[Describe any desired requirements for end-user access to websites, servers, and mobile applications; delete, add, and edit as needed.]*

The technology provider will indicate any limits on the number of users and/or accounts that can be accessed via web browser or mobile web applications.

The technology will implement role-based access, including a hierarchical set of permissions to be constrained to specific buildings, departments, people, etc.

Login to the system will require a username and strong password. Default passwords are not acceptable.

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The technology provider will implement multifactor authentication.

## 21 Usability

*[Describe any desired requirements for the technology user interface; delete, add, and edit as needed.]*

The technology will condense large amounts of real-time and historical energy usage data into a graphical format that is rich, intuitive, and user friendly.

The technology will be accessible through multiple hardware platforms (i.e., smart phone, tablet, PCs, or Macs).

The technology will support common Internet browsers, and the technology will be updated as needed for compatibility with browsers.

The technology will allow creation and storage of custom views for different users or user types. **[This capability might include, for example, color assignment, definition of type and location of charts on the page, inclusion of building photos, etc.; specify which are desired.]**

## 22 Networking

*[Describe bandwidth requirements and communication protocols; delete, add, and edit as needed.]*

The technology provider will indicate which protocols their technology is compatible with, including all relevant elements of the system, such as building metering and control communications, databases, web services, and Internet communications.

The technology provider will indicate any web browser version dependencies.

The technology provider will specify anticipated bandwidth requirements at interfaces within the building monitoring and control networks.

The technology provider will address the approach to interfacing with legacy systems to avoid network overload and ensure cybersecurity best practices.

The technology provider will implement cybersecurity hygiene with basic port security practices to restrict unauthorized activity.

## 23 Technical Warranty, Support, and Training and Commissioning

### 24 Warranty

*[Describe any desired technical warranty and edit as needed. This section is optional since some technology providers cannot offer warranties due to insurance limitations.]*

The technology provider will include a warranty that will begin after implementation, testing, and commissioning. The duration of the warranty will be at least **[specify a period of time, e.g., two months]**. During the warranty period, all software updates, hardware, and services listed will be provided to **[name of owner]** on a no-charge basis.

### 25 Technical support

*[Describe any desired technical support services and edit as needed.]*

The technology will provide the following help system for end users:

- An online help system that includes comprehensive system documentation
- Electronic versions of user manuals

- A service help desk with a guaranteed response time of no more than [define a period of time, e.g., one day, five hours].

The technology provider will provide a detailed list of technical support and maintenance options, including how much support is included with the tool installation for diagnostic and reporting customization.

The technology provider will include EMIS system tuning for [X months] after substantial completion of EMIS installation. This tuning process will include: identifying incorrectly mapped points, inaccurate sensor data, fault thresholds, and supervisory control policies. [An owner may request three months (to include various operating regimes) up to one year (optional).]

The technology provider will provide estimates of the frequency of software updates during a year and any associated system downtime.

Software license and firmware updates will be implemented proactively by the technology provider when available, and free of charge for the duration of the software-as-a-service contract.

## 26 Training

*[This section covers training to occur during or immediately after the EMIS is installed. Ongoing training and technical support is covered in Ongoing Services Specification (Section 3) . Describe any desired training, and edit as needed.]*

The technology provider will offer user training in the following form. Training may include the following options:

- Tools and instructional materials in video, electronic format, or hard copy
- Initial [number of hours] hour on-site training programs at each site/campus
- Ongoing group training sessions [frequency, e.g., twice a year] to update personnel and instruct new staff

The technology provider will offer user training on the following topics *[edit as needed]*:

- Login and navigation to access dashboards, screens, trend charts, tables, and other visualization
- Access to key performance indicators and metrics
- Access to alert log and reports
- Detection of data integrity issues
- Detection of communication and network interruptions
- Access to online or in person support
- Interpretation of analytic outputs
- Interpretation of faults and method for changing thresholds or other FDD parameters
- Programming additional faults as needed
- Adding shortcuts, recommended workflow, and best practices in using the EMIS

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## 27 Testing and Commissioning

Prior to hand-off, the technology provider will fully commission all data acquisition and communications systems and analytical functions supported by the technology. The provider will be responsible for providing a commissioning report to certify the following:

The EMIS has been tested, verified, and all elements operate as proposed.

Meters and sensors have been configured and are communicating accurately, and time-series data has been verified for timestamp alignment.

The metadata model has been consistently implemented according to the selected metadata schema.

Communication pathways within the EMIS are fully functional.

Key performance indicators and metrics have been correctly calculated.

Desired external data has been accurately integrated.

Historical data has been imported and integrated.

Dashboards, charts, and other visualization features have been configured.

Alerts and alarms notifications have been configured.

Reports have been configured and are available as designed.

User credentials have been configured and made available.

## 28 Ongoing Services Specification

Once the EMIS has been installed and commissioned, the use of the EMIS moves to the MBCx Phase (or Ongoing Services Phase). In this phase, the technology will continuously monitor and automatically analyze the performance of building systems, and the service provider will support actions related to the findings. The service provider will support in-house staff beyond the EMIS installation according to the scope and length of contract in this section. Proposers should look for designation of “required” or “preferred” services capabilities, which are also summarized in Appendix B.

The EMIS technology and the MBCx services may be delivered by the same firm or by different firms.

*The services defined in this section may be less extensive than a full MBCx scope for all systems. For instance, a service provider may provide troubleshooting support only as requested. In this section, “service provider” refers to the range of services outlined in this section, which may encompass a full MBCx process or supporting the owner in a more targeted way.*

*This template is intended to provide a structure and content foundation to facilitate an owner-driven process to define the ongoing use of the EMIS technology and the ongoing services an owner may obtain to support their use of the EMIS. The Ongoing Services Specification is not necessary to include in the RFP if the EMIS will be utilized exclusively by in-house staff, and service provider support is not needed.*

*By editing, adding to, and deleting from the template, you will produce a custom specification based on your organization’s specific goals and energy management processes. It is recommended that in each section of the specification you indicate and distinguish between required services and preferred services.*

*With the inherent uncertainty in the time required to address diagnostic findings, the owner may wish to indicate a time commitment expected for this MBCx services scope (e.g., 50 percent time in the first year and 25 percent time each subsequent year in the contract period, or total hours per year or month).*

## 29 Ongoing EMIS Review

Ongoing EMIS review includes support activities in which the EMIS results are reviewed and prioritized, and issues are investigated. *[Describe any desired ongoing EMIS review services, and edit as needed.]*

## 30 MBCx process management

The MBCx service provider will organize and facilitate **[weekly/biweekly/monthly]** meetings with the owner’s MBCx team to prioritize EMIS findings, scope projects/resolutions, update a findings and action items log, and close out corrected issues.

**[Quarterly/monthly/weekly]** **[summary reports or punch list]** will be delivered through the EMIS or in a separate report outside of the EMIS.

The MBCx service provider will communicate immediate alerts through email and phone call for equipment failures or other critical items.

## 31 Maintain benchmarks and an energy baseline

The service provider will track whole building and system-level benchmarks as defined in the EMIS Technology Specification (Section 2) and flag significant benchmark changes.

The service provider will update the baseline energy use period for the predictive energy models supplied in the EMIS, based on owner needs.

### 32 Review EMIS fault detection and diagnostic results and prioritize findings

The service provider will monitor the fault detection and diagnostic results in the EMIS on a regular basis, identify faults and opportunities for improvement, quantify expected savings, recommend next steps, and note areas for potential future capital upgrades.

The service provider will prioritize the issues and opportunities identified based on impact to asset health, comfort, and energy cost. The provider, through regular reporting and/or the EMIS interface, will provide low-cost energy conservation measures or system optimization recommendations.

The service provider will monitor data quality and recommend corrective steps to handle data integrity issues.

The service provider will review planned maintenance schedules and coordinate them with use of the EMIS capabilities to advise on conditions-based maintenance practices.

The service provider will determine the root cause of the top priority issues identified in EMIS by reviewing the BAS trends, controls programming, and through field investigation *[determine whether site visits will be in scope for the service provider]*. The results will be tracked in an Issues Log or within the EMIS.

The service provider will develop plans for correcting the issues.

### 33 Corrective Action and Verification

The corrective actions implemented during MBCx may be a maintenance/repair action, setpoint modification, control sequence modification, or recognition of needed capital improvements (although capital improvements may be outside of the MBCx process). *[Describe any desired action and verification services and edit as needed.]*

### 34 Implement corrective actions

The service provider will closely coordinate with the building operation staff for the follow-up and corrective actions for the issues found through the EMIS and MBCx process.

The service provider will scope and oversee the corrective actions when the building operation staff or control contractor or mechanical service contractor will be able to correct system issues or improve system operation.

### 35 Track issue close out

Implementation and future recommendations will be tracked by the service provider in the *[issues log / EMIS / work order management system]*, and changes will be updated in relevant building documentation.

The service provider will verify that issues have been corrected using trend analysis.

### 36 Evaluation of MBCx benefits

The service provider will track and report the value of the EMIS to justify and validate the business case, and to support ongoing investment through the following activities:

- Utilize the EMIS metering and analysis capabilities to automatically quantify energy savings at the meter-level against a baseline period.
- Translate energy savings (and demand savings if applicable) to energy cost savings using

the [utility rate schedule / levelized energy costs \$/kWh]).

- Perform avoided cost calculations for measures implemented, either manually or automatically through the EMIS.
- Track qualitative benefits, including actions that extend equipment life, reduce maintenance labor, improve safety, and provide other benefits to the facility and maintenance organization.
- Track instances in which the EMIS helped the owner avoid degradation of prior energy-saving measures.

The service provider will deliver energy and cost savings analysis on a [monthly/quarterly/annual] basis].

### 37 Additional EMIS Support

#### 38 Ongoing analytics development

The service provider will review the EMIS results (and applicable fault detection notifications) on a quarterly basis to ensure the MBCx approach is accurately monitoring the building performance without generation of false indicators or superfluous notifications.

The service provider will identify new fault detection algorithms/reports/diagnostic plots or recommend changes to improve existing analytics as needed. The service provider will implement the changes as able or permitted, or else will work with the technology provider to implement the changes.

#### 39 Ongoing training

The service provider will offer quarterly training to operations staff on the use of the EMIS, as needed based on desired functions and new staff training needs.

## 40 Proposal Format Guidelines

*[Describe the required proposal format and contents, and what information the technology and service providers should include in their response, in what order, and by what date.]*

Proposers are to provide the owner with a thorough proposal according to the following guidelines.

Proposals should use simple language with minimal jargon and avoid the use of elaborate marketing material beyond that necessary to provide a complete, accurate, and reliable offer. Each proposal will adhere to the order and content of sections defined below, and each section must be completed in full. Incomplete proposals will not be considered.

#### 41 Cover Letter

Include a cover letter signed by a principal in the company, indicating full contact information (mailing address, telephone number, and e-mail address). The cover letter may also summarize key elements of the proposal and the uniqueness of the proposed technology or response. ([Number] pages, maximum)

#### 42 Summary of Qualifications

Describe the qualifications of the proposing company and project leads, to demonstrate the capability to provide the technology and services required in this RFP. ([Number] pages, maximum)

Information shall include:

Company information, including name (main point of contact), address, business type, and website.

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Description of the company, including:

- The total number of employees.
- An overview of all the products and services that the company provides.
- The number of years that the company has provided the services requested in the RFP.
- The number of current customers.
- Primary building sectors (e.g., office, higher education, hospital, food service) that the company has worked with in the past.
- Number of buildings, square feet and approximate BAS points currently connected to product, and BAS with which the EMIS has been integrated in prior projects.
- Experience integrating with legacy BAS; provide a list of the legacy systems the technology has integrated with.
- Experience with alternate funding opportunities such as utility rebate programs, government incentives and grants, and other options.
- Any other relevant information about the company.

Provide at least [number] references for customers that have received similar services as those detailed in the RFP. The Owner reserves the right to contact any of the organizations or individuals listed. Information provided shall include:

- Customer name.
- A brief description of the scope of products and services delivered, current status, project start and end dates, total project square footage, number of facilities served, facility types, and product and services provided.
- The primary point of contact for the customer, including name, telephone number, and e-mail address.

#### 43 Technology Features and Implementation Plan

Provide a description of the proposed approach and methodology to satisfy the Scope of Work defined in this RFP. ([Number] pages, maximum)

This section shall include:

A network diagram of the basic system and data communications architecture of the proposed technology. Include data sources, interfaces (drivers and connectors), power requirements, network requirements, databases (timeseries database and metadata database), and applications in the network diagram. Indicate the metadata schema offered by the provider.

A detailed description of how the proposed solution would fulfill the required and preferred requirements identified in the EMIS Technology Specification (Section 2), the Ongoing Services Specification (Section 3), and the EMIS Technology and Ongoing Services Summary (Appendix B).

A description of any additional capabilities that may be of interest to the owner but are not specified as either “required” or “preferred” in the RFP.

Where applicable, screenshots to clearly illustrate key reporting, visualization, or analysis capabilities.

A description of how the proposed technology will satisfy the IT Requirements identified in Section 2.7.

An overview of system compatibility with respect to sensing and control technology provided by others. (See also the integration requirements in the RFP.)

For any wireless components, note the number of sensors or channels accommodated in the gateway and router hardware.

A description of the commissioning process that will be used to ensure a successful deployment of the system.

A description of the training and ongoing technical support and maintenance services that will be provided, including required work of subcontractors, such as BAS vendors (BACnet enabling, exposing points, and controls upgrades).

Number of account licenses provided with this proposal (including whether there is a maximum number of points in the integration).

A description of permission and access control configurations addressing such questions as: is the EMIS programmable to add additional features/faults, or does this require additional services from the EMIS provider?

A thorough description of specific responsibilities required of the owner (e.g., site access, provision of electrical and network diagrams, network access) in conducting the project.

A description of the value that can be expected from EMIS implementation. Provide savings estimates from similar projects.

#### 44 Cost Proposal

The cost proposal shall explain the pricing structure for all software, hardware, integration, data commissioning, and other services required for the project. Include an itemized list of all direct and indirect costs (e.g., controls vendor support, personnel, travel, supplies, fringe benefits) associated with the implementation of the proposed EMIS. The proposal shall include the following:

##### First costs

- Sensing and metering hardware purchase, installation, integration, and commissioning fees
- Communication hardware purchase and installation fees
- Software setup fees (e.g., software configuration, programming, license, training)

##### Recurring costs

- Ongoing software fees (e.g., data storage and hosting, maintenance, access, technical support and maintenance, software updates, and security)
- Service provider fees to support the ongoing use of

#### **The Value Proposition for Energy Management and Information Systems**

The Smart Energy Analytics Campaign, a partnership between the U.S. Department of Energy and building owners, resulted in the largest study to date on EMIS costs and benefits. Energy savings data was collected from 240 million sq ft of commercial buildings with EMIS in place, and cost data from over 550 million sq ft. Study participants with energy information systems (EIS) achieved a median energy savings of 3 percent (\$0.03/sq ft), and participants with fault detection and diagnostic tools (FDD) achieved a median savings of 9 percent (\$0.24/sq ft). A cost-effectiveness analysis showed a two-year

EMIS (e.g., cost/frequency of EMIS and/or FDD reporting, cost for service provider troubleshooting)

#### Additional costs and information

- Any specified technology features or capabilities that add significantly to project costs
- Any additional optional or bundled services or fees such as account licenses above the minimum stated in the proposal
- Costs to add additional buildings, points, or systems beyond what is specified in this RFP

### 45 Staffing

Describe the team that will be assigned to the project, with each member's areas of responsibility. Identify the lead personnel, and include a resume for each lead.

### 46 Protections and Assurances

Describe the specific measures and protections that the responding company can provide to the owner to ensure continuity of services in the event of bankruptcy, transfers of ownership, or other disruptions to business-as-usual operations.

## 47 Proposal Submission and Eligibility

*[Describe the RFP procedures, including your organization's point of contact for the Proposer's inquiries, submission instructions, modification and withdrawal process, confidentiality, and other procedural details.]*

### 48 Eligibility

*[Include any eligibility requirements or preferences that may apply, considering, for example, foreign versus domestically owned companies, multiparty joint responses, small businesses, citizenship, and other criteria.]*

### 49 Preparation

The proposal content and format must follow the guidelines provided in Section 4, Proposal Format Guidelines, in the RFP.

### 50 Submission and Due Date

*[Provide a website, e-mail address, and/or mailing address for the proposal submission; identify whether electronic or paper submissions are preferred or required.]*

Proposals are due by *[insert the time and date from Table 2. RFP Schedule]*. Late proposals will not be accepted.

### 51 Inquiries

Questions about this RFP must be directed in writing, via e-mail, no later than *[insert the time and date from Table 2. RFP Schedule]*. Send to:

*[Provide the name and either e-mail address or telephone number for the desired organizational point of contact.]*

### 52 Proposal Validity

Proposals are to be valid for a minimum of *[number of days]* days to allow sufficient time for evaluation

and selection, and any unforeseen delays in the review process.

### 53 Modification and Withdrawal

Any proposal may be modified or withdrawn by written request of the Proposer, provided that the request is received prior to the submission deadline.

### 54 Right to Reject Proposals

This RFP does not commit the owner to award a contract, pay any costs incurred in the preparation of a response to this RFP, or procure or contract for services. The owner reserves the right to accept or reject any or all proposals received as a result of this RFP, to negotiate with any qualified Proposers, or to cancel this RFP in part or in its entirety.

### 55 Confidential Material

All the proposals will become the property of the owner. Proposers should not include proprietary or confidential information in their response, unless required to clearly convey the proposed work or technology solution. Financial, commercial, or technical information that is considered confidential should be clearly indicated in the proposal.

### 56 Terms and Conditions

*[In partnership with your organization's legal department or representatives, include specific terms and conditions that will govern the contracting and procurement of the technology and required services, as well as on-site work conducted to complete the project.]*

## 57 Evaluation and Selection Criteria

*[This section contains content to inform RFP respondents as to how their proposals will be evaluated. You may choose to use a qualitative description to share the evaluation and selection criteria in the RFP, including key criteria, or to include quantitative point and scoring information. You can use the framework to make a "first cut" and rule out some of the proposals, or you may base your final selection entirely on the scoring results. For a balanced review, it is recommended that more than one evaluator participate in the scoring activity.]*

### 58 Evaluation Method

The proposal evaluation will be based on a weighted scoring process, according to the criteria listed in Table 7.

*[Criteria may be removed or added, depending on the owner's objectives. To begin the process, each criterion is assigned a weight that indicates its relative importance; 5 would represent the most important criteria, and 1 would represent the least important. These weights will be set by the primary decision maker and should be kept fixed for each reviewer.]*

*[Each proposal is then scored by the reviewers. A score is assigned to each criterion in the table, with 10 representing the best response. A weighted score is calculated for each criterion (row) in the table. The weighted score is equal to the assigned score multiplied by the assigned weight. The total proposal score is the sum of the weighted scores for each criterion, i.e., the sum of values in the last column of the table.]*

**Table 5. Proposal Evaluation Criteria Weights**

| Proposal Evaluation Criteria | Weight (%)   |
|------------------------------|--------------|
| ▶ Cost proposal              | ▶ [assign %] |

|   |              |
|---|--------------|
| ▶ Compliance with the scope of work                               | ▶ [assign %] |
| ▶ Ability to deliver additional unspecified capabilities of value | ▶ [assign %] |
| ▶ Qualifications and experience                                   | ▶ [assign %] |
| ▶ Overall quality of the proposal                                 | ▶ [assign %] |

## 59 Point-Scoring Method

*[The following considerations may be used in the evaluation and scoring of each proposal. These considerations may be shared in the RFP as desired. Delete any that are not required, and add and edit as needed.]*

### 60 Cost proposal

How reasonable are the Proposer's pricing estimates?

Was anything left out of the cost proposal, e.g., subcontracts for controls vendor or other work?

How well does the Proposer meet the owner's financial requirements, considered over both the short term and the long term?

How well did the Proposer communicate the pricing structure for the proposed technology and scope of work?

How well did the Proposer communicate their value?

Is the Proposer bonded for the amount of the installation?

### 61 Compliance with the scope of work

How well does the Proposer demonstrate an understanding of the project objectives as listed in Section 1.2 Background?

Do the proposed technology and services satisfy the required capabilities and functions defined in the specification?

Do the proposed technology and services satisfy the preferred capabilities and functions defined in the specification?

How well does the technology interoperate and communicate with other systems?

How well does the proposed technology satisfy the IT and security requirements?

How well do the proposed services and maintenance meet the needs defined in the specification?

How well has the Proposer demonstrated that they understand the project scope and have a viable plan and schedule for successful implementation?

How clear is the description of how required data will be acquired, given your specific site characteristics and existing monitoring and metering infrastructure?

How scalable and expandable is the proposed technology?

To what extent can EMIS and/or FDD data results and or reporting be leveraged by third-party service providers? (Does the provider provide an open, API accessible means of collecting data and

adding faults for analysis?)

62 Ability to deliver additional unspecified features of value

What additional value is being offered in the proposal from features that were not explicitly requested?

63 Qualifications and experience

Do the proposing company and personnel possess the qualifications necessary to successfully complete the scope of work?

Does the Proposer have a good history of experience with portfolios or sites similar to yours?

Does the Proposer's software have enough flexibility and configurability to meet the owner's needs while not requiring a custom implementation to achieve this?

Does the Proposer demonstrate strong experience with technology design, provisioning, installation, and commissioning?

Has the Proposer demonstrated timely and successful completion of similar projects, within budget?

Has the Proposer provided credible claims of savings from past projects using the technology as presented in the proposal?

Has the proposed technology been demonstrated to integrate effectively with the owner's system types? In the absence of past demonstrations, what evidence is provided that integration will be effective?

How strong are the references that the Proposer has provided?

64 Overall quality of the proposal

Have all the elements addressed in the Proposal Format Guidelines in Section 4 of the RFP been addressed?

In the event of disruptions to the Proposer's normal operations, are the protections and assurances for continuity of services sufficiently addressed?

Is the writing clear and concise?

Is the proposal content well organized and easy to follow?

Are the technical aspects of the proposal described clearly, with minimal jargon and with a sufficient level of detail?





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## Appendix A Glossary of Terms

**Automated System Optimization (ASO):** ASO tools are a subset of EMIS focused on continuous controls optimization. ASO tools dynamically modify building automation system control settings to optimize HVAC system energy usage or energy costs while maintaining occupant comfort. These tools read data from the BAS and write analytically based optimal setpoints back to the BAS.

**Baseline:** A representation of “standard” or typical energy performance, used for comparative purposes. Baseline may be expressed according to a variety of metrics and may account for weather or other independent variables that influence energy consumption.

**Benchmarking:** Comparing building energy performance to that of similar buildings (cross-sectional benchmarking) or its own historic performance (longitudinal benchmarking). Benchmarking may also be performed at the system or component level.

**Building Automation System (BAS):** A system that is designed to control building operations and indoor climate.

**Communication Protocols:** Standardized rules governing the transmission of information between devices. Common protocols for building data include, for example, BACnet, LonTalk, and Modbus.

**Cumulative Energy Savings:** Sum of the total accrued energy savings or increases over a certain time frame, relative to the baseline.

**Data Tagging:** The process of organizing data in which pieces of information are associated with tags, or keywords. For buildings, data tagging is used to aid the process of efficiently implementing FDD tools.

**Degree Day:** A measure of the heating or cooling load on a building relative to a “base” outside air temperature (e.g., 65°F). It is commonly calculated as the difference between the mean daily temperature and the “base” temperature.

**Demand:** The rate of energy use by a particular building or system, i.e., power. Common units of energy demand are kilowatts (kW) for electricity, tons for chilled and hot water, and therms per hour or cubic feet per minute for gas.

**Demand Response:** Changes in electric usage by customers in response to changes in the price of electricity over time or when system reliability is jeopardized.

**Energy Information System (EIS):** Software, data acquisition hardware, and communication systems used to store, analyze, and display building energy data.

**Energy Management and Information System (EMIS):** A broad family of tools and services to manage commercial building energy use. These technologies include, for example, energy information systems, equipment-specific fault detection and diagnostic systems, benchmarking and utility tracking tools, automated system optimization tools, and building automation systems.

**Energy Savings:** A reduction in energy use often quantified by accounting for key factors such as weather or hours of operation.

**Fault:** The system or equipment violates its intended operation of equipment (e.g., insufficient economizer utilization, chiller short cycling, sensor errors).

**Fault Detection and Diagnostics (FDD):** FDD automates the process of detecting faults or opportunities within physical systems and processes and diagnoses their potential causes. FDD systems for HVAC generally use algorithms to analyze BAS and meter data to determine fault conditions. FDD is a subset of EMIS, focused on system-level monitoring.

**Greenhouse Gas (GHG) Emissions:** The carbon dioxide (CO<sub>2</sub>), methane (CH<sub>4</sub>), and nitrous oxide (N<sub>2</sub>O) gases released into the atmosphere as a result of energy consumption at the facility.

**Measurement and Verification (M&V):** The process of using measured data and other operational information to confirm the energy savings from energy efficiency projects. The International Protocol for Measurement and Verification defines four standard M&V approaches.

**Metadata Schema:** A metadata schema aids the process of implementing EMIS software. It is the class or typing hierarchy, characterizing the entities (things), properties, and relationships that are allowed or expected, as well as providing definitions for them. An example metadata schema might say that a Site entity can have one or more Buildings, Systems, or Equipment entities contained within its physical boundaries. Open-source examples include the Brick Schema, Project Haystack, and the Google Digital Buildings project.

**Metadata Model:** A metadata model represents entities, properties, and their relationships according to a specific schema definition. Metadata modeling is the process of characterizing the data for a particular project or building according to a metadata schema.

**Opportunity:** Potential to improve the current operation of the system or equipment (e.g., chilled water supply temperature reset, AHU supply air temperature reset, AHU static pressure reset).

**Peak Load:** The maximum rate of energy use (demand) during a specified period.

## Appendix B EMIS Technology and Ongoing Services Summary

Table B-1 summarizes the technical requirements and preferred capabilities within Section 2 EMIS Technology Specification. By filling out Appendix B, the owner helps the technology provider understand the EMIS specification. The technology provider should indicate where there is significant cost added to fulfill a required or preferred capability, especially when the portion of the technical specification is indicated as "Negotiable". If a section of the technical specification is "not applicable (N/A)" then that section should be deleted from Section 2 and the column can be deleted from Table B-1.

**Table B-1. EMIS Technical Specification Summary of Priorities**

| EMIS Technical Specifications                             | Required | Preferred – Now | Preferred – Future | N/A | Negotiable | Comments |
|---|----------|-----------------|--------------------|-----|------------|----------|
| ▶ 2.1 Data Integration                                    | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.1 Utility data integration                          | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.2 Interval meter data integration                   | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.3 Building automation system (BAS) data integration | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.4 Additional monitoring required or preferred       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.5 Metadata / data tagging                           | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.6 Other data sources and APIs                       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.1.7 Data validation                                   | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.2 Utility Bill Analytics                              | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.2.1 Utility bill management                           | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.2.2 Utility budgeting                                 | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.2.3 Greenhouse gas (GHG) tracking                     | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.3 Interval Meter Data Analytics                       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.3.1 Energy consumption tracking                       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |

| EMIS Technical Specifications                          | Required | Preferred – Now | Preferred – Future | N/A | Negotiable | Comments |
|--|----------|-----------------|--------------------|-----|------------|----------|
| ▶ 2.3.2 Energy performance analysis                    | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4 System Data Analytics                            | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4.1 Fault and Optimization Opportunity Detection   | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4.2 Fault and Opportunity Diagnosis                | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4.3 FDD Configuration                              | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4.4 Fault management and FDD results presentation  | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4.5 Work order management                          | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.4.6 System-level diagnostic supports               | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.5 Automated System Optimization                    | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.5.1 HVAC performance optimization                  | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.5.2 Peak demand charge minimization                | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.5.3 Provision of grid services                     | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.5.4 Other supervisory control strategies           | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.6 Project Management and Reporting                 | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.6.1 Project management and verification of savings | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.6.2 Notification, reporting and data export        | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.7 IT Requirements                                  | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.7.1 Data storage and backup                        | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |

| EMIS Technical Specifications                                     | Required | Preferred – Now | Preferred – Future | N/A | Negotiable | Comments |
|---|----------|-----------------|--------------------|-----|------------|----------|
| ▶ 2.7.2 Software hosting and data ownership                       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.7.3 Cybersecurity   | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.7.4 Permissions and access control                            | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.7.5 Usability   | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.7.6 Networking  | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.8 Technical Warranty, Support, and Training and Commissioning | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.8.1 Warranty  | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.8.2 Technical support   | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.8.3 Training  | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 2.8.4 Testing and Commissioning                                 | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |

Table B-2 summarizes the technical requirements and preferred capabilities within Section 3 Ongoing Services Specification. By filling out Appendix B, the owner helps the technology provider understand the services desired or preferred. The services provider should indicate where there is significant cost added to fulfill a required or preferred service, especially when the portion of the services specification is indicated as “Negotiable”. If a section of the technical specification is “not applicable (N/A)” then that section should be deleted from Section 3 and the column can be deleted from Table B-2.

**Table B-2. Ongoing Services Specification Summary of Priorities**

| Ongoing Services Specifications                 | Required | Preferred – Now | Preferred – Future | N/A | Negotiable | Comments |
|---|----------|-----------------|--------------------|-----|------------|----------|
| ▶ 3.1 Ongoing EMIS Review                       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 3.1.1 MBCx process management                 | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 3.1.2 Maintain benchmarks and energy baseline | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |
| ▶ 3.1.3 Review EMIS fault                       | ▶        | ▶               | ▶                  | ▶   | ▶          | ▶        |

| Ongoing Services Specifications                          | Required | Preferred<br>– Now | Preferred<br>– Future | N/A | Negotiable | Comments |
|--|----------|--------------------|-----------------------|-----|------------|----------|
| detection and diagnostic results and prioritize findings |          |                    |                       |     |            |          |
| ▶ 3.2 Corrective Action and Verification                 | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |
| ▶ 3.2.1 Implement corrective actions                     | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |
| ▶ 3.2.2 Track issue close out                            | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |
| ▶ 3.2.3 Evaluation of MBCx benefits                      | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |
| ▶ 3.3 Additional EMIS Support                            | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |
| ▶ 3.3.1 Ongoing analytics development                    | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |
| ▶ 3.3.2 Ongoing training                                 | ▶        | ▶                  | ▶                     | ▶   | ▶          | ▶        |

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## Appendix C Resources

The following resources can be used to learn more about EMIS technologies and issues related to their use.

[\*A Primer on Organizational Use of Energy Management and Information Systems \(EMIS\)\*](#). Jessica Granderson et al. Prepared for the U.S. DOE Better Buildings Program. 2015.

[\*Building Performance Tracking Handbook: Continuous Improvement for Every Building\*](#). California Commissioning Collaborative. 2011.

[\*Characteristics and Survey of Automated Fault Detection and Diagnostic Tools\*](#). Jessica Granderson et al. Lawrence Berkeley National Laboratory. LBNL-2001075. 2017.

[\*Energy Information Handbook: Applications for Energy Efficiency Building Operations\*](#). Jessica Granderson et al. Lawrence Berkeley National Laboratory. 2011.

[\*EMIS Applications Showcase: Highlighting Applications of Energy Management and Information Systems\*](#). Eliot Crowe, Hannah Kramer, and Jessica Granderson. Lawrence Berkeley National Laboratory. 2020.

[\*Energy Management Information System \(EMIS\) Technical Resource Report\*](#). Jesse Dean and James Dice, National Renewable Energy Laboratory, prepared for the Federal Energy Management Program. (in press, December 2020)

[\*Metering Best Practices: A Guide to Achieving Utility Resource Efficiency\*](#). Federal Energy Management Program. U.S. Department of Energy. 2011.

[\*Monitoring-Based Commissioning \(MCBX\) Plan Template\*](#). Hannah Kramer, Eliot Crowe, and Jessica Granderson. Lawrence Berkeley National Laboratory. 2017.

[\*Proving the Business Case for Building Analytics\*](#). Hannah Kramer, Guanjing Lin, Claire Curtin, Eliot Crowe, and Jessica Granderson. Lawrence Berkeley National Laboratory. 2020.

[\*The State of Advanced Measurement and Verification Technology and Industry Application\*](#). Samuel Fernandes et al. *The Electricity Journal* 30, 2017, 8–16.

[\*Using EMIS to Identify Top Opportunities for Commercial Building Efficiency\*](#). Lawrence Berkeley National Laboratory. LBNL-1007250. 2017.

STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS

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STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS

STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS

STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS

STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS

STEP 2: CONSIDER COMBINING MULTIPLE EMIS PROVIDERS

1020 US FISH AND WILDLIFE SERVICE ALASKA STATE OFFICE 1011 E TUDOR ROAD ANCHORAGE AK 99503 14160006

1100 NATIONAL WEATHER SERVICE WESTERN ADMIN SUPPORT CENTER 7600 SAND POINT WAY NE SEATTLE WA 98115 13140001

1110 OFFICE OF THE SECRETARY NBC-FISCAL SUPPORT BRANCH 7301 W MAINSFIELD AVE MS D2775 DENVER CO 80235 14010001

1120 US FOREST SERVICE REGIONAL FISCAL AGENT POB 230 JUNEAU AK 99801 12401100

1280 NATIONAL OCEANIC & ATMOSPHERIC ADM ALASKA REGION 222 WEST 7TH BOX 23 ANCHORAGE AK 99513 13140001

1410 US GEOLOGICAL SURVEY BRANCH OF FINANCIAL MGMT STOP 270 RESTON VA 20192 14080001

1420 BUREAU OF INDIAN AFFAIRS POB 209 POB 209 SAN CARLOS AZ 85550 14200699

1460 US FOREST SERVICE REGION 1 POB 7669 MISSOULA MT 59807 12401100

1510 BUREAU OF RECLAMATION PACIFIC NORTHWEST REGIONAL OFFICE 1150 N CURTIS RD - FLIGHT SCHEDULER BOISE ID 83706-1234 14060905

1600 BUREAU OF INDIAN AFFAIRS AZ NORTH - HOPI AGENCY POB 568KEAMS CANYON AZ 86034 14200699

1630 NATIONAL MARINE FISHERIES SERVICE ACCOUNTS RECEIVABLE ROOM F243 17109 PT LEANA LOOP RD JUNEAU AK 99801 13140001

1650 BUREAU OF INDIAN AFFAIRS FORT APACHE AGENCY POB 560 WHITERIVER AZ 86034 14200699

1660 BUREAU OF INDIAN AFFAIRS SAN CARLOS AGENCY BRANCH OF FORESTRY SAN CARLOS AZ 85550 14200699

1670 BUREAU OF INDIAN AFFAIRS BILLINGS AREA OFFICE - FORESTRY 316 NORTH 26TH BILLINGS MT 59101 14200699

1680 BUREAU OF INDIAN AFFAIRS SEMINOLE AGENCY - FORESTRY HC 61 BOX 37 CLEWISTON FL 33440 14200699

2010 BUREAU OF INDIAN AFFAIRS COLVILLE AGENCY POB 111 NESPELEM WA 99155-0111 14200699

2020 BUREAU OF INDIAN AFFAIRS NAVAJO AREA OFFICE-FORESTRY POB 1060 MAIL CODE 410 GALLUP 87305 14200699

2030 BUREAU OF INDIAN AFFAIRS FORESTRY - FIRE PROTECTION POB 26567 ALBUQUERQUE NM 87125-6567 14200699

2040 BUREAU OF INDIAN AFFAIRS YAKIMA-FORESTRY-PRE SUPPRESSION POB 632 TOPPENISH WA 98948 14200699

2050 BUREAU OF INDIAN AFFAIRS MINNEAPOLIS AREA OFFICE ONE FEDERAL DRIVE RM 550 FT SNELLING MN 55111 14200699

2060 BUREAU OF INDIAN AFFAIRS PHOENIX AREA OFFICE PO BOX 10 PHOENIX AZ 85001 14200699

2070 BUREAU OF INDIAN AFFAIRS WARM SPRINGS AGENCY POB 1239 WARM SPRINGS OR 97761-1239 14200699

2090 BUREAU OF INDIAN AFFAIRS SOUTHERN UTE AGENCY POB 315 IGNACIO CO 81137 14200699

20A0 BUREAU OF INDIAN AFFAIRS JUNEAU AREA - APPRAISALS 3601 C STREET - SUITE 1100 ANCHORAGE AK 99503-5947 14200699

20C0 BUREAU OF INDIAN AFFAIRS FORT PECK AGENCY POPLAR MT 59255 14200699

20E0 BUREAU OF INDIAN AFFAIRS NORTHERN ID AGENCY-LAW ENFORCEMENT POB 277 LAPWAI

ID 83540-0277 14200699  
20F0 BUREAU OF INDIAN AFFAIRS BETHEL AGENCY 3601 C STREET - SUITE 1100 ANCHORAGE AK 99503-5947 14200699  
20H0 BUREAU OF INDIAN AFFAIRS AREA ARCHAEOLOGY-ANCHORAGE OFFICE 3601 C STREET - SUITE 1100 ANCHORAGE AK 99503-5947 14200699  
20J0 BUREAU OF INDIAN AFFAIRS EASTERN REGIONAL OFFICE 545 MARRIOTT DRIVE SUITE 700 NASHVILLE TN 37214 14200699  
20K0 BUREAU OF INDIAN AFFAIRS ABERDEEN - NATURAL RESOURCES 115 4TH AVE SE - MC 301 ABERDEEN SD 57401 14200699  
20L0 BUREAU OF INDIAN AFFAIRS HASKELL INDIAN JUNIOR COLLEGE 115 INDIAN AVENUE LAWRENCE KS 66046 14200699  
20M0 BUREAU OF INDIAN AFFAIRS SOUTHERN CALIFORNIA AGENCY 2038 IOWA AVENUE SUITE 101 RIVERSIDE CA 92507-0001 14200699  
20N0 BUREAU OF INDIAN AFFAIRS PALM SPRINGS FIELD OFFICE 555 S PALM CANYON DR - RM A208PALM SPRINGS CA 92263 14200699  
20P0 BUREAU OF INDIAN AFFAIRS SAFETY MANAGEMENT 505 MARQUETTE ST NW SUITE 1705 ALBUQUERQUE NM 87103 14200699  
20R0 BUREAU OF INDIAN AFFAIRS HOOPA VALLEY TRIBE-FIRE MANAGEMENT POB 369 HOOPA CA 95546 14200699  
20T0 BUREAU OF INDIAN AFFAIRS PIMA AGENCY POB 8SACATON AZ 85247 14200699  
20W0 BUREAU OF INDIAN AFFAIRS HOUSING ASSISTANCE 1849 S ST NW MS 2525 WASHINGTON DC 20240 14200699  
20X0 BUREAU OF INDIAN AFFAIRS TODALENA BOARDING SCHOOL POB 9857 NEW COMB NM 87455 14200699  
20Y0 BUREAU OF INDIAN AFFAIRS BRANCH OF ROADS POB 25520 JUNEAU AK 99802-5520 14200699  
2110 BUREAU OF INDIAN AFFAIRS WEST CENTRAL ALASKA FIELD OFFICE 3601 C STREET - SUITE 1100 ANCHORAGE AK 99503-5947 14200699  
2120 BUREAU OF INDIAN AFFAIRS FAIRBANKS FIELD OFFICE 101 12TH AVE - RM 166 FAIRBANKS AK 99701-6270 14200699  
2160 BUREAU OF INDIAN AFFAIRS WESTERN NEVADA AGENCY 311 E WASHINGTON STREET CARSON CITY NV 89701 14200699  
2190 BUREAU OF INDIAN AFFAIRS JUNEAU AREA - ANCSA OFFICE 3601 C STREET SUITE 1100 ANCHORAGE AK 99503-5947 14200699  
21A0 BUREAU OF INDIAN AFFAIRS SACRAMENTO AREA OFFICE - FORESTRY 2800 COTTAGE WAY SACRAMENTO CA 95825 14200699  
21C0 BUREAU OF INDIAN AFFAIRS SACRAMENTO AREA OFFICE - FIRE MGMT 2800 COTTAGE WAY PREPAREDNESS SACRAMENTO CA 95825 14200699  
21E0 BUREAU OF INDIAN AFFAIRS FIRE MANAGEMENT 1524 TRIBUTE RD SUITE J SACRAMENTO CA 95815 14200699  
21F0 BUREAU OF INDIAN AFFAIRS SACRANENT AREA OFFICE - FIRE MGMT 2800 COTTAGE WAY OPERATIONS SACRAMENTO CA 95825 14200699  
21G0 BUREAU OF INDIAN AFFAIRS CHICKASAW AGENCY POB 2240 ADA OK 74821 14200699  
21H0 BUREAU OF INDIAN AFFAIRS AREA HOUSING OFFICE POB 25520 JUNEAU AK 99802-5520 14200699  
21J0 BUREAU OF INDIAN AFFAIRS FORESTRY-YAKIMA BOX 632 TOPPENISH WA 9894814200699  
21K0 BUREAU OF INDIAN AFFAIRS OSAGE AGENCY POB 1539 PAWHUSKA OK 74056 14200699  
21M0 BUREAU OF INDIAN AFFAIRS REGIONAL AVIATION MANAGER AERIAL FIRE DEPOT-5765 W BROADWAY MISSOULA MT 5980814200699  
21N0 BUREAU OF INDIAN AFFAIRS REGIONAL AVIATION MANAGER 333 BROADWAY BLVD SE ALBUQUERQUE NM 87102-3407 14200699  
21P0 BUREAU OF INDIAN AFFAIRS WAPATO IRRIGATION PROJECT POB 220 WAPATO WA 98951 14200699  
21R0 BUREAU OF INDIAN AFFAIRS GREAT LAKES AGENCY POB 273 ASHLAND WI 54806-0273

14200699

21T0 BUREAU OF INDIAN AFFAIRS MINNESOTA AGENCY - FORESTRY 522 MINNESOTA AVE NW  
ROOM 418BEMIDJI MN 56601 14200699

21W0 BUREAU OF INDIAN AFFAIRS RESOURCE MANAGEMENT TEAM 911 NE 11TH AVE 7TH FLOOR  
PORTLAND OR 97232-4182 14200699

21X0 BUREAU OF INDIAN AFFAIRS DIV OF TRANSPORTATION POB 2185 ALBUQUERQUE NM 87103  
14200699

21Y0 BUREAU OF INDIAN AFFAIRS BRANCH OF SAFETY POB 328CROWN POINT NM 87313 14200699

2200 BUREAU OF INDIAN AFFAIRS CENTRAL CALIFORNIA AGENCY 1824 TRIBUTE RD - SUITE J  
SACRAMENTO CA 95815 14200699

2210 BUREAU OF INDIAN AFFAIRS PORTLAND AREA OFFICE-PROPERTY/MGMT 911 NE 11TH  
AVENUE PORTLAND OR 97232 14200699

2230 BUREAU OF INDIAN AFFAIRS TRUXTON CANYON AGENCY POB 37 - ATTN: JIM WILLIAMS  
VALENTINE AZ 86437 14200699

2240 BUREAU OF INDIAN AFFAIRS SAN CARLOS IRRIGATION PROJ PO BOX 250 COOLIDGE AZ  
8522814200699

2250 BUREAU OF INDIAN AFFAIRS WIND RIVER AGENCY FORESTRY FORT WASHAKIE WY 82514  
14200699

2260 BUREAU OF INDIAN AFFAIRS ATTN CODE 885 1951 CONSTITUTION AVE NW WASHINGTON DC  
20245 14200699

2270 BUREAU OF INDIAN AFFAIRS NORTHERN CALIFORNIA AGENCY 1900 CHURN CREEK RD -  
SUITE 300 REDDING CA 96049 14200699

2290 BUREAU OF INDIAN AFFAIRS CROW AGENCY CROW AGENCY MT 59022 14200699

22A0 BUREAU OF INDIAN AFFAIRS FACILITIES MGMT & CONSTRUCTION CTR 201 THIRD ST NW  
BOX 1248ALBUQUERQUE NM 87103 14200699

22B0 BUREAU OF INDIAN AFFAIRS PUGET SOUND AGENCY 3006 COLBY AVE EVERETT WA 98201  
14200699

22C0 BUREAU OF INDIAN AFFAIRS MS 4513 - MIB 18TH & C STREETS NW WASHINGTON DC 20240  
14200699

22E0 BUREAU OF INDIAN AFFAIRS SOUTHERN PAIUTE FIELD STATION POB 720 ST GEORGE UT  
84771 14200699

22F0 BUREAU OF INDIAN AFFAIRS CHINLE AGENCY-BRANCH OF SAFETY BOX 7H CHINLE AZ 86503  
14200699

22G0 BUREAU OF INDIAN AFFAIRS BRANCH OF ENVIRONMENT & WASTE MGMT POB 25520  
JUNEAU AK 99802-5520 14200699

22H0 BUREAU OF INDIAN AFFAIRS SW INDIAN POLYTECHNIC INSTITUTE 9196 COORS RD NW -  
ADMINISTRATION ALBUQUERQUE NM 97184 14200699

22I0 BUREAU OF INDIAN AFFAIRS FT DEFIANCE AGENCY - SAFETY POB 619 FT DEFIENCE AZ 86504  
14200699

22K0 OFFICE OF THE SPECIAL TRUSTEE OFFICE OF TRUST FUNDS MANAGEMENT 4400 MASTHEAD  
STREET NE ALBUQUERQUE NM 87109 14250001

22M0 BUREAU OF INDIAN AFFAIRS REGIONAL AVIATION MANAGER 10900 W 120 TH BROOMFIELD  
CO 80021 14200699

22N0 BUREAU OF INDIAN AFFAIRS LAW ENFORCEMENT - AGENCY SQUARE BLDG 249 BOX 555  
WELLPINT WA 99040 14200699

22P0 BUREAU OF INDIAN AFFAIRS TRUXTON CANYON - LAW ENFORCEMENT POB 37 VALENTINE  
AZ 86437 14200699

22R0 BUREAU OF INDIAN AFFAIRS TRUXTON CANYON AGENCY - FORESTRY POB 37 - ATTN: JIM  
WILLIAMS VALENTINE AZ 86437 14200699

22T0 BUREAU OF INDIAN AFFAIRS AVIATION MANAGER 3833 S DEVELOPMENT WAY BOISE ID  
83705 14200699

22X0 BUREAU OF INDIAN AFFAIRS LAW ENFORCEMENT SERVICES POB 66 - ACCOUNTING

ALBUQUERQUE NM 97102 14200699  
2310 BUREAU OF INDIAN AFFAIRS ENVIROMENTAL QUALITIES SERVICES POB 1060 GALLUP NM 87305 14200699  
2320 BUREAU OF INDIAN AFFAIRS NAVAJO AREA OFFICE-LAND OPERATIONS POB 1060 GALLUP NM 87305 14200699  
2330 BUREAU OF INDIAN AFFAIRS FLATHEAD AGENCY BOX A PABLO MT 59855 14200699  
2340 BUREAU OF INDIAN AFFAIRS NORTHERN PUEBLOS AGENCY POB 4269 - FAIRVIEW STATION ESPANOLA NM 87533-4269 14200699  
2370 BUREAU OF INDIAN AFFAIRS ASST SECERTARY/INDIAN AFFAIRS 1951 CONSTITUTION AVE NW CD 100 WASHINGTON DC 20245 14200699  
2380 BUREAU OF INDIAN AFFAIRS PAPAGO AGENCY BOX 578SELLS AZ 85634 14200699  
2390 BUREAU OF INDIAN AFFAIRS UTE MOUNTAIN AGENCY BRANCH OF FORESTRY TOWAOC CO 81334 14200699  
23A0 BUREAU OF INDIAN AFFAIRS STANDING ROCK AGENCY POB E FT YATES ND 5853814200699  
23C0 BUREAU OF INDIAN AFFAIRS NATURAL RESOURCES-LAND & MINERALS 316 N 26TH STREET BILLINGS MT 59101 14200699  
23D0 BUREAU OF INDIAN AFFAIRS LAW ENFORCEMENT 316 NORTH 26TH BILLINGS MT 59101 14200699  
23E0 BUREAU OF INDIAN AFFAIRS SEMINOLE AGENCY HC 61 BOX 37 CLEWISTON FL 33440 14200699  
23M0 BUREAU OF INDIAN AFFAIRS OFFICE OF ATTORNEY DECISION MAKER 3601 C STREET SUITE 1100 ANCHORAGE AK 99503 14200699  
23N0 BUREAU OF INDIAN AFFAIRS ATTORNEY DECISION MAKERS OFFICE 3601 C STREET SUITE 1100 ANCHORAGE AK 99503 14200699  
23W0 BUREAU OF INDIAN AFFAIRS MINNESOTA AGENCY - AIRCRAFT AV 522 MINNESOTA AVE NW ROOM 418BEMIDJI MN 56601 14200699  
23X0 BUREAU OF INDIAN AFFAIRS WIND RIVER AGENCY FORESTRY - AIRCRAFT AVAILABILITY FORT WASHAKIE WY 82514 14200699  
23Y0 BUREAU OF INDIAN AFFAIRS UTE MOUNTAIN AGENCY FORESTRY - AIRCRAFT AVAILABILITY TOWAOC CO 81334 14200699  
2400 BUREAU OF INDIAN AFFAIRS 18TH AND C STREETS NW MAIL CODE 507 WASHINGTON DC 20240 14200699  
2410 BUREAU OF INDIAN AFFAIRS SACRAMENTO AREA OFFICE 2800 COTTAGE WAY SACRAMENTO CA 95825 14200699  
2420 BUREAU OF INDIAN AFFAIRS DIV OF LAW ENFORCEMENT 1951 CONSTITUTION NW MC 430 WASHINGTON DC 20245 14200699  
2430 BUREAU OF INDIAN AFFAIRS SCOOPER 911 NE 11TH AVENUE PORTLAND OR 97232 14200699  
2440 BUREAU OF INDIAN AFFAIRS ANADARKO AREA OFFICE POB 368ANADARKO OK 73005 14200699  
2450 BUREAU OF INDIAN AFFAIRS MESCALERO AGENCY POB 189 MESCALERO NM 88340 14200699  
2460 BUREAU OF INDIAN AFFAIRS SOUTHERN PUEBLOS AGENCY POB 1667 ALBUQUERUQE NM 87103 14200699  
2470 BUREAU OF INDIAN AFFAIRS JICARILLA AGENCY POB 167 DULCE NM 8752814200699  
2480 BUREAU OF INDIAN AFFAIRS RAMAH-NAVAJO AGENCY POB 7007 RAMAH NM 87321 14200699  
2490 BUREAU OF INDIAN AFFAIRS ZUNI AGENCY POB 369 ZUNI NM 87327 14200699  
2500 BUREAU OF INDIAN AFFAIRS LAQUNA AGENCY POB 1448LAQUNA NM 87026 14200699  
2510 BUREAU OF INDIAN AFFAIRS FT APACHE AGENCY BX 560 PRE SUPPRESSION WHITERIVER AZ 85941 14200699  
2520 BUREAU OF INDIAN AFFAIRS FT APACHE AGENCY BX 560 FIRE MGMT ADMIN WHITERIVER AZ 85941 14200699  
2530 BUREAU OF INDIAN AFFAIRS FT APACHE AGENCY BX 560 ADMINISTRATION WHITERIVER AZ 85941 14200699  
**2540 BUREAU OF INDIAN AFFAIRS OFFICE OF TRUST RESPONSIBILITIES 1951 CONSTITUTION NW**

**CODE 200 WASHINGTON DC 20245 14200699**

2550 BUREAU OF INDIAN AFFAIRS EASTERN CHEROKEE AGENCY WILDLAND FIRE MANAGEMENT  
P.O. BOX 1959 CHEROKEE, NC 28719 14200699

2560 BUREAU OF INDIAN AFFAIRS PORTLAND AREA OFFICE- LAW & ORDER 911 NE 11TH AVENUE  
PORTLAND OR 97232 14200699

2570 BUREAU OF INDIAN AFFAIRS MUSKOGEE AREA OFFICE FEDERAL BUILDING AND US  
COURTHOUSE MUSKOGEE OK 74401 14200699

2580 BUREAU OF INDIAN AFFAIRS UINTAH AND OURAY AGENCY FT DUCHESNE UT 84026 14200699

**2590 BUREAU OF INDIAN AFFAIRS DIV OF FINANCE CODE 730 1951 CONSTITUTION AVE NW  
WASHINGTON DC 20245 14200699**

2600 BUREAU OF INDIAN AFFAIRS ROCKY BOYS AGENCY BOX ELDER MT 59521 14200699

2610 BUREAU OF INDIAN AFFAIRS JICARILLA-APACHE TRIBE DULCE NM 8752814200699

2620 BUREAU OF INDIAN AFFAIRS N CHEYENNE AGENCY FORESTRY LAME DEER MT 59043  
14200699

2630 BUREAU OF INDIAN AFFAIRS SAN CARLOS INDIAN AGENCY SUPPRESSION SAN CARLOS AZ  
85550 14200699

2650 BUREAU OF INDIAN AFFAIRS SOUTHERN PIAUTO FIELD STATION POB 720 ST GEORGE UT  
84771 14200699

2660 BUREAU OF INDIAN AFFAIRS OLYMPIC PENINSULA AGENCY POB 48ABERDEEN WA 98520-  
0010 14200699

**2670 BUREAU OF INDIAN AFFAIRS SAN CARLOS AGENCY BR OF LAND OPERATIONS SAN CARLOS  
AZ 85550 14200699**

2680 BUREAU OF INDIAN AFFAIRS BLACKFEET AGENCY BROWNING MT 59417 14200699

2690 BUREAU OF INDIAN AFFAIRS UMATILLA AGENCY POB 520 PENDLETON OR 97801 14200699

2700 BUREAU OF INDIAN AFFAIRS COLORADO RIVER AGENCY RT 1 BOX 9C PARKER AZ 85344  
14200699

2720 BUREAU OF INDIAN AFFAIRS PINE RIDGE AGENCY POB 1203 PINE RIDGE SD 57770 14200699

2730 BUREAU OF INDIAN AFFAIRS SPOKANE AGENCY POB 389 WELLPINIT WA 99040 14200699

2740 BUREAU OF INDIAN AFFAIRS FT BELNAP AGENCY HARLEM MT 59526 14200699

**2750 BUREAU OF INDIAN AFFAIRS ROSEBUD AGENCY ROSEBUD SD 57570 14200699**

2760 BUREAU OF INDIAN AFFAIRS PINAL AIRPARK BLDG 19 MARANA AZ 8523814200699

2800 BUREAU OF INDIAN AFFAIRS UTE MOUNTAIN AGENCY FIRE MGMT TOWAOC CO 81334  
14200699

2810 BUREAU OF INDIAN AFFAIRS FORESTRY - FIRE SUPPRESSION POB 26567 ALBUQUERQUE NM  
87125-6567 14200699

2830 BUREAU OF INDIAN AFFAIRS FT HALL AGENCY POB 2200 FT HALL ID 83203 14200699

2840 BUREAU OF INDIAN AFFAIRS NIFC 3833 S DEVELOPMENT BOISE ID 83705-5354 14200699

**2850 BUREAU OF INDIAN AFFAIRS FORT YUMA AGENCY POB 11000 YUMA AZ 85366-1000 14200699**

2860 BUREAU OF INDIAN AFFAIRS FIRE MANAGEMENT 311 E WASHINTON STREET CARSON CITY  
NV 89701 14200699

**2870 BUREAU OF INDIAN AFFAIRS ALASKA REGION FIRE MANAGEMENT POB 25520 JUNEAU AK  
99802-5520 14200699**

2880 BUREAU OF INDIAN AFFAIRS NAVAHO AREA OFFICE DIV OF ADMIN PO BOX 1060 GALLUP NM  
87301 14200699

2890 BUREAU OF INDIAN AFFAIRS BILLINGS AREA OFFICE-ENGINEERING 316 NORTH 26TH  
BILLINGS MT 59101 14200699

2900 BUREAU OF INDIAN AFFAIRS REGIONAL OFFICE - TRUST RESOURCES POB 25520 JUNEAU AK  
99802-5520 14200699

2910 BUREAU OF INDIAN AFFAIRS SHAWNEE AGENCY 624 W INDEPENDENCE SUITE 114 SHAWNEE  
OK 74801-4329 14200699

2920 BUREAU OF INDIAN AFFAIRS BILLINGS AREA OFFICE-WATER RESOURCE 316 NORTH 26TH  
BILLINGS MT 59101 14200699

**2930 BUREAU OF INDIAN AFFAIRS REALTY DIVISION 3601 C STREET - SUITE 1100 ANCHORAGE AK**

99503-5947 14200699

2970 BUREAU OF INDIAN AFFAIRS PAWNEE AGENCY POB 440 PAWNEE OK 7405814200699

2980 BUREAU OF INDIAN AFFAIRS TURTLE MOUNTAIN AGENCY POB 60 BELCOURT ND 58316  
14200699

2990 BUREAU OF INDIAN AFFAIRS BRANCH OF DRUG ENFORCEMENT 1300 W RICHEY AVENUE  
ARTESIA NM 88210 14200699

4020 US GEOLOGICAL SURVEY WRD - SHANNON CANODY/FINK 4230 UNIVERSITY 201 ANCHORAGE  
AK 99508-4664 14080001

4030 US GEOLOGICAL SURVEY WRD 821 E INTERSTATE AVENUE BISMARCK ND 58501 14080001

4060 US GEOLOGICAL SURVEY WRD/AZ/TEMPE 1545 W UNIVERSITY DRIVE TEMPE AZ 85281  
14080001

4100 US GEOLOGICAL SURVEY WATER RESOURCES DIV 934 BROADWAY SUITE 300 TACOMA WA  
98402 14080001

4160 US GEOLOGICAL SURVEY TOPOGRAPHIC DIVISION MS 510 POB 25046 DENVER CO 80225  
14080001

4180 MINERALS MANAGEMENT SERVICE PRODUCTION AND DEVELOPMENT 1201 ELMWOOD PARK  
BLVD NEW ORLEANS LA 70123-2394 14190001

41A0 US GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION 2255 N GEMINI DRIVE MIGUEL  
VELASCO FLAGSTAFF AZ 86001 14080001

41C0 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 30 BROWN RD ITHACA NY 14850  
14080001

41E0 US GEOLOGICAL SURVEY EASTERN ENERGY RESOURCES TEAM 12201 SUNRISE VALLEY  
DRIVE-MS 956 RESTON VA 20192 14080001

41J0 US GEOLOGICAL SURVEY COOPERATIVE RESEARCH UNIT RENEWABLE NATURAL  
RESOURCES RM 310 BATON ROUGE LA 70803-6200 14080001

41K0 US GEOLOGICAL SURVEY WISCONSIN WATER SCIENCE CENTER 850 S RESEARCH WAY  
MIDDLETON WI 53562 14080001

41M0 US GEOLOGICAL SURVEY REGIONAL DIRECTOR 12201 SUNRISE VALLEY MS 150 RESTON VA  
22092 14080001

41N0 US GEOLOGICAL SURVEY EAARL PROJECT - EMILY KLIPP 600 FOURTH STREET SOUTH ST  
PETERSBURG FL 33701 14080001

41P0 US GEOLOGICAL SURVEY FT COLLINS SCIENCE CENTER 2150 CENTRE AVE BLDG C FT  
COLLINS CO 80526-8118 14080001

41R0 U.S. GEOLOGICAL SURVEY - BIOLOGICAL RESOURCES DIV S.E. ECOLOGICAL SCIENCE  
CENTER 7920 N.W. 71ST GAINSVILLE FL 32606 14080001

41T0 U.S. GEOLOGICAL SURVEY U.S. GEOLOGICAL SURVEY - ATTN: BUDGET ANALYST 11649  
LEETOWN ROAD LEETOWN WV 25430 14080001

41U0 U.S. GEOLOGICAL SURVEY AK COPPERATIVE USGS AK COOPERATIVE FISH & WILDLIFE  
RESEARCH UNIT 209 IRVING I BUILDING, P.O. BOX 757020 FAIRBANKS AK 99775-7020 14080001

4300 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 520 N PARK AVE SUITE 221 TUCSON AZ  
85719 14080001

4310 MINERALS MANAGEMENT SERVICE FIELD OPERATIONS - CMD 770 PASEO CAMARILLO  
CAMARILLO CA 93010 14190001

4320 MINERALS MANAGEMENT SERVICE ATLANTIC OCS EASTERN REGION 381 ELDEN STREET  
HERNDON VA 20170-4817 14190001

4340 US GEOLOGICAL SURVEY GEOGRAPHIC SCIENCE CENTER POB 25046 MS 516 DENVER CO  
80225 14080001

4360 MINERALS MANAGEMENT SERVICE 381 ELDEN STREET MS 633 HERNDON VA 20170-4817  
14190001

4370 MINERALS MANAGEMENT SERVICE MAIL STOP 4421 POB 25165 DENVER CO 80225-0165  
14190001

4390 US GEOLOGICAL SURVEY CRMRT ATTN: ADMIN OFFICER POB 25046 MS 973 DENVER CO 80225  
14080001

4400 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 2255 N GEMINI DRIVE FLAGSTAFF AZ 86001 14080001

4410 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 2617 E LINCOLNWAY SUITE B CHEYENNE WY 82001 14080001

4430 US GEOLOGICAL SURVEY EARTH SURFACE PROCESSES POB 25046 MS980 BRENDA WILLIAMS DENVER CO 80225 14080001

4470 US GEOLOGICAL SURVEY UNIVERSITY OF CA US GEOLOGICAL SURVEY UNIVERSITY OF CA 1 SHIELDS AVE - TERCERO TRAILER E DAVIS CA 95616 14080001

4530 US GEOLOGICAL SURVEY MS 412 POB 25046 DENVER CO 80225 14080001

4550 MINERALS MANAGEMENT SERVICE CONSERVATION DIVISION 1201 ELMWOOD PARK BLVD NEW ORLEANS LA 70123-2394 14190001

4590 US GEOLOGICAL SURVEY A.O. MS-935 POB 25046 DENVER CO 80225 14080001

4620 US GEOLOGICAL SURVEY 345 MIDDLEFIELD MS 901 MENLO PARK CA 94025 14080001

4630 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 764 HORIZON DRIVE ROOM 125 GRAND JUNCTION CO 81506 14080001

4640 MINERALS MANAGEMENT SERVICE ATLANTIC OCS EASTERN REGION 381 ELDEN STREET HERNDON VA 20170-4817 14190001

4710 US GEOLOGICAL SURVEY HAWAIIAN VOLCANO OBSERVATORY/GD HAWAII NAT PARK HI 9671814080001

4730 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 230 COLLINS RD BOISE ID 83702 14080001

4760 US GEOLOGICAL SURVEY MS 424 POB 25046 DENVER CO 80225 14080001

4780 US GEOLOGICAL SURVEY OFFICE OF MINERAL RESOURCES NATIONAL CENTER MS 913 RESTON VA 20192 14080001

47G0 US GEOLOGICAL SURVEY CASCADES VOLCANO OBSERVATORY-GD 1300 SE CARDINAL CT-BLDG 10-STE 100 VANCOUVER WA 98683-9589 14080001

47W0 US GEOLOGICAL SURVEY CASCADES VOLCANO OBSERVATORY-WRD 1300 SE CARDINAL CT-BLDG 10-STE 100 VANCOUVER WA 98683-9589 14080001

4800 US GEOLOGICAL SURVEY WESTERN MAPPING CENTER 345 MIDDLEFIELD RD MENLO PARK CA 94025 14080001

4810 US GEOLOGICAL SURVEY MINERAL RESOURCE SURVEY TEAM/GD 345 MIDDLEFIELD RD MS 942 MENLO PARK CA 94025 14080001

4840 US GEOLOGICAL SURVEY ROOM 203 333 W NYE LANE CARSON CITY NV 89706 14080001

4850 US GEOLOGICAL SURVEY GEOLOGIC HAZARDS TEAM POB 25046 MS 966 DENVER CO 80225 14080001

4860 US GEOLOGICAL SURVEY ICE AND CLIMATE PROJECT UNIVERSITY OF PUGET SOUND TACOMA WA 98416 14080001

4880 US GEOLOGICAL SURVEY MS 513 POB 25046 DENVER CO 80225 14080001

4920 US GEOLOGICAL SURVEY NATIONAL MAPPING MS-975 345 MIDDLEFIELD RD MENLO PARK CA 94025 14080001

4940 US GEOLOGICAL SURVEY ALASKA MRS TEAM S CANODY/FINK 4230 UNIVERSITY DRIVE 201 ANCHORAGE AK 99508-4664 14080001

4960 MINERALS MANAGEMENT SERVICE ALASKA OCS REGION - AASO 3801 CENTERPOINT DRIVE SUITE 500 ANCHORAGE AK 99503-5823 14190001

4A10 US GEOLOGICAL SURVEY DENVER FEDERAL CENTER P O BOX 25046 MS 963 DENVER CO 80225 14080001

4A40 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION BOX 490 MOAB UT 84532 14080001

4A50 US GEOLOGICAL SURVEY NATIONAL CENTER MS 110 RESTON VA 20192 14080001

4A60 US GEOLOGICAL SURVEY WRD RM 2301 FEDERAL OFFICE BLDG 700 W CAPITOL AVE LITTLE ROCK AR 72201 14080001

4A70 US GEOLOGICAL SURVEY WRD BLDG 53 DFC BOX 25046 MS 415 LAKEWOOD CO 80225 14080001

4A80 US GEOLOGICAL SURVEY WRD PO BOX 1230 RM 269 FED BLDG 400 SO CLINTON ST IOWA

CITY IA 52244 14080001  
4A90 US GEOLOGICAL SURVEY WRD ADMINISTRATIVE OFFICER 4821 QUAIL CREST PLACE  
LAWRENCE KS 66049 14080001  
4B00 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 3535 S SHERWOOD FOREST SUITE 120  
BATON ROUGE LA 70816 14080001  
4B10 US GEOLOGICAL SURVEY WRD MS 200 1400 INDEPENDENCE RD MS 200 1400 INDEPENDENCE  
RD ROLLA MO 65401-2602 14080001  
4B20 US GEOLOGICAL SURVEY WRD 3162 BOZEMAN AVENUE 3162 BOZEMAN AVENUE HELENA  
MT 59601 14080001  
4B30 US GEOLOGICAL SURVEY WRD RM 406 FED BLDG AND US COURTHSE 100 CENTENNIAL MALL  
NO LINCOLN NE 6850814080001  
4B60 US GEOLOGICAL SURVEY WRD 202 NW 66TH ST #7 202 NW 66TH ST #7 OKLAHOMA CITY OK  
73116-8211 14080001  
4B80 US GEOLOGICAL SURVEY TEXAS WATER SCIENCE CENTER 8027 EXCHANGE DRIVE AUSTIN  
TX 78754 14080001  
4B90 US GEOLOGICAL SURVEY WRD WATER RESOURCE DIVISION 2329 ORTON CIRCLE SLC UT  
84119-2047 14080001  
4C20 US GEOLOGICAL SURVEY ENERGY RESOURCES POB 25046 MS 939 DENVER CO 80225 14080001  
4C40 US GEOLOGICAL SURVEY NAT CENTER MS 981 12201 SUNRISE VALLEY DR RESTON VA 20192  
14080001  
4C50 US GEOLOGICAL SURVEY NAT CENTER MS 953 12201 SUNRISE VALLEY DR RESTON VA 20192  
14080001  
4C60 US GEOLOGICAL SURVEY MINERALS PROGRAM 12201 SUNRISE VALLEY DR MS 913 RESTON  
VA 20192 14080001  
4C80 US GEOLOGICAL SURVEY MAPPING APPLICATION CENTER 12201 SUNRISE VALLEY DR MS  
521 RESTON VA 20192 14080001  
4E50 US GEOLOGICAL SURVEY NATIONAL CENTER MS 927 12001 SUNRISE VALLEY DR RESTON VA  
20192 14080001  
4E60 US GEOLOGICAL SURVEY NATIONAL MAPPING MS 507 POB 25046 DENVER CO 80225 14080001  
4E70 MINERALS MANAGEMENT SERVICE NATIONAL CENTER 381 ELDEN STREET MS 652 HERNDON  
VA 20170-4817 14190001  
4E80 US GEOLOGICAL SURVEY NATIONAL MAPPING DIVISION ASST CHIEF DIV RESRCH MS 519  
RESTON VA 22092 14080001  
4E90 MINERAL MANAGEMENT SERVICE CORPUS CHRISTI DISTRICT 1201 ELMWOOD PARK BLVD  
NEW ORLEANS LA 70123-2394 14190001  
4F00 US GEOLOGICAL SURVEY ADMINISTRATIVE OFFICE EROS DATA CENTER SIOUX FALLS SD  
5719814080001  
4F10 US GEOLOGICAL SURVEY GEOLOGIC DIVISION NGM 345 MIDDLEFIELD RD MS 975 MENLO  
PARK CA 94025 14080001  
4F30 US GEOLOGICAL SURVEY NATIONAL CENTER MAIL STOP 561 RESTON VA 20192 14080001  
4F40 US GEOLOGICAL SURVEY GEOLOGICAL DIVISION EHZ 345 MIDDLEFIELD MS 977 MENLO  
PARK CA 94025 14080001  
4F90 US GEOLOGICAL SURVEY WATER RESOURCES-REGIONAL OFFICE 345 MIDDLEFIELD RD MS  
466 MENLO PARK CA 94025 14080001  
4G20 MINERALS MANAGEMENT SERVICE PSB MS-4023 381 ELDEN STREET HERNDON VA 20170-4817  
14190001  
4G30 MINERALS MANAGEMENT SERVICE ADVANCE 381 ELDEN STREET MS 633 HERNDON VA  
20170-4817 14190001  
4G40 US GEOLOGICAL SURVEY WRD BOX 810 MEEKER CO 81641 14080001  
4G50 MINERALS MANAGEMENT SERVICE NEW ORLEANS DISTRICT 1201 ELMWOOD PARK BLVD  
NEW ORLEANS LA 70123-2394 14190001  
4G60 MINERALS MANAGEMENT SERVICE HOUMA DISTRICT POB 760 - 3804 COUNTRY DRIVE  
BOURG LA 70343-0760 14190001

4G70 MINERALS MANAGEMENT SERVICE LA FAYETTE DISTRICT 1201 ELMWOOD PARK BLVD NEW ORLEANS LA 70123-2394 14190001

4G80 MINERALS MANAGEMENT SERVICE LAKE CHARLES DISTRICT 620 ESPLANDADE SUITE 104 LAKE CHARLES LA 70605 14190001

4G90 MINERALS MANAGEMENT SERVICE TEXAS DISTRICT 1201 ELMWOOD PARK BLVD NEW ORLEANS LA 70123-2394 14190001

4H00 MINERALS MANAGEMENT SERVICE METAIRIE REGIONAL OFFICE 1201 ELMWOOD PARK BLVD NEW ORLEANS LA 70123-2394 14190001

4H10 US GEOLOGICAL SURVEY MS 432 - LAURA BRICKER 12201 SUNRISE VALLEY DR RESTON VA 22092 14080001

4H20 MINERALS MANAGEMENT SERVICE LAND AND MINERAL MANAGEEMNT 18TH AND C STREET NW WASHINGTON DC 20240 14190001

4H30 MINERALS MANAGEMENT SERVICE FIELD OPERATIONS - SMD 770 PASEO CAMMARILLO CAMMARILLO CA 93010 14190001

4H40 MINERALS MANAGEMENT SERVICE PACIFIC OCS REGION 770 PASEO CAMARILLO CAMARILLO CA 93010 14190001

4H50 MINERALS MANAGEMENT SERVICE PACIFIC OCS REGION 770 PASEO CAMARILLO CAMARILLO CA 93010 14190001

4H60 US GEOLOGICAL SURVEY BRANCH OF SEISMOLOGY 525 S WILSON AVE PASADENA CA 91106 14080001

4H80 US GEOLOGICAL SURVEY MS 406 POB 25046 DENVER CO 80225 14080001

4K00 US GEOLOGICAL SURVEY WRD MS 406 POB 25046 DENVER CO 80225 14080001

4K10 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 934 BROADWAY SUITE 300 TACOMA WA 98402 14080001

4K20 US GEOLOGICAL SURVEY WRD BOX 1099 IDAHO FALLS ID 83401 14080001

4K30 US GEOLOGICAL SURVEY WRD MS 406 POB 25046 DENVER CO 80225 14080001

4K40 US GEOLOGICAL SURVEY 3110 SW 9TH AVENUE 3110 SW 9TH AVENUE FT LAUDERDALE FL 33315 14080001

4K50 US GEOLOGICAL SURVEY 840 MARKET STREET 840 MARKET STREET LEMOYNE PA 17043-1586 14080001

4K60 US GEOLOGICAL SURVEY BRANCH OF REGIONAL RESEARCH CENTER POB 25046 MS 418DENVER CO 80225 14080001

4M10 US GEOLOGICAL SURVEY COASTAL & MARINE GEOLOGY GD 345 MIDDLEFIELD MS 999 MENLO PARK CA 94025 14080001

4M20 MINERALS MANAGEMENT SERVICE OFFICE OF ADMINISTRATION 381 ELDEN STREET MS 630 HERNDON VA 20170-4817 14190001

4M30 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 8550 23RD AVENUE SACRAMENTO CA 95826 14080001

4M40 US GEOLOGICAL SURVEY ASTROGEOLOGY-ADMINISTRATIVE OFFICER 2255 N GEMINI DRIVE FLAGSTAFF AZ 86001 14080001

4M50 US GEOLOGICAL SURVEY OREGON WATER SCIENCE CENTER 2130 SW 5TH AVENUE PORTLAND OR 97201 14080001

4M60 US GEOLOGICAL SURVEY MS 421 POB 25046 DENVER CO 80225 14080001

4M70 US GEOLOGICAL SURVEY E EARTH SURFACE PROCESSES TEAM 12201 SUNRISE VALLEY MS 926A RESTON VA 22092 14080001

4M80 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 160 N STEPHANIE STREET HENDERSON NV 89074-8829 14080001

4M90 US GEOLOGICAL SURVEY GEOLOGIC DIVISION 600 4TH STREET SOUTH ST PETERSBURG FL 33701 14080001

4N10 US GEOLOGICAL SURVEY ALASKA VOLCANO OBSERV S CANODY/FINK 4230 UNIVERSITY DRIVE 201 ANCHORAGE AK 99508-4664 14080001

4N20 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 5338 MONTGOMERY BLVD NE-SUITE 400 ALBUQUEQUE NM 87109-1311 14080001

4N30 US GEOLOGICAL SURVEY SUITE 415 677 ALA MONA BLVD HONOLULU HI 96813 14080001  
4N40 US GEOLOGICAL SURVEY NATIONAL CENTER MS 105 12201 SUNRISE VALLEY DRIVE RESTON  
VA 20192 14080001  
4N50 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 6520 MERCANTILE WAY SUITE 5  
LANSING MI 48911 14080001  
4N60 US GEOLOGICAL SURVEY EARTHQUAKE HAZARDS PROGRAM 12201 SUNRISE VALLEY MS  
905A RESTON VA 20192 14080001  
4N80 US GEOLOGICAL SURVEY VOLCANO HAZARDS TEAM / GD 345 MIDDLEFIELD MS 910 MENLO  
PARK CA 94025 14080001  
4N90 US GEOLOGICAL SURVEY EASTERN REGION GEOLOGY 12201 SUNRISE VALLEY MS  
908RESTON VA 20192 14080001  
4P00 US GEOLOGICAL SURVEY GSA CENTER - SUITE 400-15 651 FEDERAL DRIVE GUAYNABO 965  
14080001  
4P10 US GEOLOGICAL SURVEY HYDROLOGIC DIVISION 4710 EISENHOWER BLVD B-5 TAMPA FL  
33634-6381 14080001  
4P20 US GEOLOGICAL SURVEY WATER RESOURCES DIVISION 11 DUNBAR ST CHARLESTON WV  
25301 14080001  
4P30 US GEOLOGICAL SURVEY 433 NATIONAL CENTER RESTON VA 20192 14080001  
4P40 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 12201 SUNRISE VALLEY MS 412  
RESTON VA 20192 14080001  
4P50 US GEOLOGICAL SURVEY NATIONAL CENTER - MS 955 12201 SUNRISE VALLEY DRIVE  
RESTON VA 20192 14080001  
4P60 US GEOLOGICAL SURVEY MINERAL RESOURCE - GEOLOGIC DIV 12201 SUNRISE VALLEY MS  
954 RESTON VA 22092 14080001  
4P70 US GEOLOGICAL SURVEY 2280 WOODALE DRIVE 2280 WOODALE DRIVE MOUNDS VIEW MN  
55112 14080001  
4P80 MINERALS MANAGEMENT SERVICE FINANCIAL MANAGEMENT DIVISION 381 ELDEN ST  
HERNDON MS 20170-4817 14190001  
4P90 US GEOLOGICAL SURVEY 12201 SUNRISE VALLEY MS 300 12201 SUNRISE VALLEY MS 300  
RESTON VA 20192 14080001  
4R10 MINERALS MANAGEMENT SERVICES GOM OCS REG HQ AVIATION-BILL MARTIN 1201  
ELMWOOD PARK BLVD NEW ORLEANS LA 70123-2394 14190001  
4R20 US GEOLOGICAL SURVEY GLOBAL CHANGE & CLIMATE HISTORY BOX 25046 MS 980 DFC  
DENVER CO 80225 14080001  
4R30 US GEOLOGICAL SURVEY ATTN: ALBERTA BUNTE BOX 25046 MS 206 DFC DENVER CO 80225  
14080001  
4R40 US GEOLOGICAL SURVEY WRD NWQL BOX 25046 MS 402 DFC DENVER CO 80225 14080001  
4R50 US GEOLOGICAL SURVEY GD MRSP 345 MIDDLEFIELD RD MS 901 MENLO PARK CA 94025  
14080001  
4R60 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 9818 BLUEGRASS PARKWAY  
LOUISVILLE KY 40299-1906 14080001  
4R70 MINERALS MANAGEMENT SERVICE WASC/GSB 12600 W COLFAX SUITE C-200 LAKEWOOD  
CO 80215 14190001  
4R80 US GEOLOGICAL SURVEY 953 NATIONAL CENTER 953 NATIONAL CENTER RESTON VA 20192  
14080001  
4R90 US GEOLOGICAL SURVEY GEORGIA DISTRICT WRD 3039 AMWILER RD STE 130 ATLANTA GA  
30360 14080001  
4T10 US GEOLOGICAL SURVEY 12201 SUNRISE VALLEY MS-405 12201 SUNRISE VALLEY MS-405  
RESTON VA 20192 14080001  
4T20 US GEOLOGICAL SURVEY 5957 LAKESIDE BLVD 5957 LAKESIDE BLVD INDIANAPOLIS IN  
46278-1996 14080001  
4T30 US GEOLOGICAL SURVEY WRD ATTN: DENETT R JABLECKI 8987 YELLOW BRICK RD  
BALTIMORE MD 21237 14080001

4T40 US GEOLOGICAL SURVEY NMD-OFM-ATTN: PAT CORNWELL 12201 SUNRISE VALLEY DR MS-270 RESTON VA 20292 14080001

4T50 US GEOLOGICAL SURVEY YMPB BOX 25046 MS-425 DFC DENVER CO 80225 14080001

4T60 US GEOLOGICAL SURVEY BRD OSH 577 PARFET STREET SUITE 364 LAKEWOOD CO 80215 14080001

4T70 US GEOLOGICAL SURVEY 4500 SW 40TH AVE 4500 SW 40TH AVE OCALA FL 34474-5731 14080001

4T80 US GEOLOGICAL SURVEY RHODE ISLAND DISTRICT OFFICE 28 LORD RD SUITE 280 MARLBOROUGH MA 01752 14080001

4T90 US GEOLOGICAL SURVEY 221 N BROADWAY AVE 221 N BROADWAY AVE URBANA IL 61801 14080001

4W00 US GEOLOGICAL SURVEY PROGRAM SUPPORT 345 MIDDLEFIELD RD MS-211 MENLO PARK CA 94025-3591 14080001

4W10 US GEOLOGICAL SURVEY ATTN: JANET PAQUETTE 384 WOODS HOLE RD WOODS HOLE MA 02543-1598 14080001

4W20 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 224 W CENTRAL PKWY #1006 ALTAMONTE SPRINGS FL 32714 14080001

4W30 US GEOLOGICAL SURVEY 308 S AIRPORT RD 308 S AIRPORT RD PEARL MS 39208 14080001

4W40 US GEOLOGICAL SURVEY BIOLOGICAL RESOURCE DIVISION POB 25098 BATON ROUGE LA 70894 14080001

4W50 US GEOLOGICAL SURVEY 926A NATIONAL CENTER 12201 SUNRISE VALLEY DRIVE RESTON VA 20192 14080001

4W60 US GEOLOGICAL SURVEY ATTN: KIMBERLY L JENKINS 904 W RIVERSIDE AVE #202 SPOKANE WA 99201 14080001

4W70 US GEOLOGICAL SURVEY ATTN: KIERA WOOD 227 N BRONOUGH ST SUITE 3015 TALLAHASSEE FL 32301 14080001

4W80 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 975 WEST THIRD AVE COLUMBUS OH 43212 14080001

4W90 US GEOLOGICAL SURVEY WATER RESOURCE DIVISION 425 JORDAN RD TROY NY 12180 14080001

4X00 US GEOLOGICAL SURVEY COOP-CLEMSON U-AQUACULTURE F&W G-27 LEHOSKY HALL CLEMSON SC 29634-0372 14080001

4X10 BIOLOGICAL RESOURCE DIVISION SAN FRANCISCO BAY ESTUARY FS 505 AZUAR DRIVE VALLEJO CA 94592 14080001

4X20 US GEOLOGICAL SURVEY BIOLOGICAL RESOURCE DIVISION 160 N STEPHANIE STREET HENNERSON NV 89074-8829 14080001

4X30 US GEOLOGICAL SURVEY COLORADO DISTRICT WRD POB 25046 MS 415 DENVER CO 80225 14080001

4X40 US GEOLOGICAL SURVEY 640 GRASSMERE OFFICE PARK SUITE 100 NASHVILLE TN 37211 14080001

4X50 US GEOLOGICAL SURVEY GRAND CANYON MONITORING & RESEARCH 2255 N GEMINI DRIVE - JD KITE FLAGSTAFF AZ 86001 14080001

4X60 US GEOLOGICAL SURVEY MS 470 345 MIDDLEFIELD RD MENLO PARK CA 94025 14080001

4X70 US GEOLOGICAL SURVEY SUITE 82390 W HWY 56 CEDAR CITY UT 84720-4151 14080001

4X80 US GEOLOGICAL SURVEY ATTN: BAM TOM LIGHT 4200 UNIVERSITY DRIVE ANCHORAGE AK 99508-4667 14080001

4X90 US GEOLOGICAL SURVEY HONOLULU FIELD STATION POB 50167 HONOLULU HI 96850 14080001

4Y00 US GEOLOGICAL SERVICE 2290 SOUTH WEST RESOURCE BLVD MOAB UT 84532 14080001  
5030 NATIONAL PARK SERVICE ISLE ROYALE NATIONAL PARK 800 E LAKESHORE DRIVE HOUGHTON MI 49931 14100099

5040 NATIONAL PARK SERVICE YOSEMITE NP-ATTN: FIRE MGMT OFFICER POB 577 YOSEMITE NP CA 95389 14100099

5050 NATIONAL PARK SERVICE SOUTHEAST REGIONAL OFFICE 100 ALABAMA ST SW 1924  
BUILDING ATLANTA GA 30303 14100099

5060 NATIONAL PARK SERVICE SEQUOIA AND KING CANYON NP ATTN AIR OPS OFFICER THREE  
RIVERS CA 93271 14100099

5070 NATIONAL PARK SERVICE EVERGLADES NP - BUDGET/FINANCE 40001 STATE RD 9336  
HOMESTEAD FL 33034 14100099

5080 NATIONAL PARK SERVICE ATTN: FISCAL OFFICE POB 168YELLOWSTON NP WY 82190  
14100099

5090 NATIONAL PARK SERVICE MIDWEST REGION - FINANCE 601 RIVERFRONT DRIVE OMAHA NE  
68102-4226 14100099

50A0 NATIONAL PARK SERVICE MIDWEST SUPPORT - FIRE DIVISION 601 RIVER FRONT DRIVE  
OMAHA NE 68102 14100099

50C0 NATIONAL PARK SERVICE GATEWAY NP FLOYD BENNETT FIELD BROOKLYN NY 11234  
14100099

50E0 NATIONAL PARK SERVICE GOLDEN GATE NRA BLDG 201 FORT MASON SAN FRANCISCO CA  
94123 14100099

50F0 NATIONAL PARK SERVICE HALEAKALA NP ATTN: AUDREY CORDEIRO POB 369 MAKAWAO  
MAUI HI 9676814100099

50G0 NATIONAL PARK SERVICE JOSHUA TREE NM 74485 NATL MONUMENT DR TWENTYNINE  
PALMS CA 92277 14100099

50H0 NATIONAL PARK SERVICE LAVA BEDS NM POB 867 TULELAKE CA 96134 14100099

50J0 NATIONAL PARK SERVICE PINNACLES NM PAICINES CA 95043 14100099

50K0 NATIONAL PARK SERVICE ORGAN PIPE CACTUS NM 10 ORGAN PIPE DRIVE AJO AZ 85321  
14100099

50L0 NATIONAL PARK SERVICE WHISKEYTOWN SHASTA TRINITY NRA POB 188WHISKEYTOWN CA  
96095 14100099

50M0 NATIONAL PARK SERVICE SHENANDOAH NP 3655 US HWY 211 EAST LURAY VA 22835  
14100099

50N0 NATIONAL PARK SERVICE BENTS OLD FORT NHS 35110 HWY 194 EAST LA JUNTA CO 81050  
14100099

50P0 NATIONAL PARK SERVICE BIG HOLE NB POB 237 WISDOM MT 59761 14100099

50T0 NATIONAL PARK SERVICE BLACK CANYON OF GUNNISON NM 2465 S TOWNSEND AVE  
MONTROSE CO 81401-5436 14100099

50W0 NATIONAL PARK SERVICE BRYCE CANYON NP POB 640201 BRYCE UT 84764-0201 14100099

50X0 NATIONAL PARK SERVICE COLORADO NM FRUITA CO 81521 14100099

50Y0 NATIONAL PARK SERVICE CURECANTI NRA 102 ELK CREEK GUNNISON CO 81230 14100099

5110 NATIONAL PARK SERVICE BIG CYPRESS NAT PRESERVE HCR 61 BOX 110 OCHOPEE FL 33943  
14100099

5120 NATIONAL PARK SERVICE GRAND CANYON NP - FISCAL OFFICE POB 129 GRAND CANYON AZ  
86023 14100099

5130 NATIONAL PARK SERVICE NORTH CASCADES NP - PROCUREMENT 810 STATE ROUTE 20  
SEDRO WOOLLEY WA 98284-1263 14100099

5140 NATIONAL PARK SERVICE BIG CYPRESS PRESERVE HCR 61 BOX 110 OCHOPEE FL 33943  
14100099

5150 NATIONAL PARK SERVICE DEATH VALLEY NP ATTN: BUDGET OFFICE-CONNIE HERRERA  
DEATH VALLEY CA 9232814100099

5160 NATIONAL PARK SERVICE VOYAGEURS NATIONAL PARK 3131 HWY 53 INTL FALLS MN 56649-  
8904 14100099

5170 NATIONAL PARK SERVICE PACIFIC NORTHWEST REGION 909 FIRST AVENUE SEATTLE WA  
98104-1060 14100099

5180 NATIONAL PARK SERVICE OLYMPIC NATIONAL PARK 600 PARK AVE PORT ANGELES WA  
98362 14100099

5190 NATIONAL PARK SERVICE INTERIOR BLDG ROOM 3130 18TH AND C STS NW WASHINGTON DC

20240 14100099  
51A0 NATIONAL PARK SERVICE CUSTER BATTLEFIELD NM POB 39 CROW AGENCY MT 59022  
14100099  
51C0 NATIONAL PARK SERVICE DEVILS TOWER NM DEVILS TOWER WY 82714 14100099  
51E0 NATIONAL PARK SERVICE FLORISSANT FOSSIL BEDS NM POB 185 FLORISSANT CO 80816  
14100099  
51F0 NATIONAL PARK SERVICE FT LARAMIE NHS FT LARAMIE WY 82212 14100099  
51G0 NATIONAL PARK SERVICE FOSSIL BUTTE NM POB 527 KEMMERER WY 83101 14100099  
51J0 NATIONAL PARK SERVICE GOLDEN SPIKE NHS POB 394 BRIGHAM UT 84302 14100099  
51K0 NATIONAL PARK SERVICE GRANT KOHRS RANCH NHS POB 790 DEER LODGE MT 59722  
14100099  
51L0 NATIONAL PARK SERVICE GREAT SAND DUNES NM MOSCA CO 81146 14100099  
51M0 NATIONAL PARK SERVICE MT RUSHMORE NAT MEM POB 268KEYSTONE SD 57751 14100099  
51N0 NATIONAL PARK SERVICE THEODORE ROOSEVELT NP POB 7 MEDORA ND 58645 14100099  
51P0 NATIONAL PARK SERVICE TIMPANOGOS CAVE NM RURAL ROUTE 2 AMERICAN FORK UT  
84003 14100099  
51R0 NATIONAL PARK SERVICE GREAT SMOKEY MOUNTAINS NP 107 PARK HEADQUARTERS RD  
GATLINBURG TN 3773814100099  
51T0 NATIONAL PARK SERVICE FIRE ISLAND NS 120 LAUREL ST PATCHOGUE NY 11772 14100099  
51W0 NATIONAL PARK SERVICE BANDELIER NM 15 ENTRANCE RD - ADMIN OFFICER LOS ALAMOS  
NM 87544-9701 14100099  
51X0 NATIONAL PARK SERVICE BIG BEND NP POB 129 BIG BEND TX 79834 14100099  
51Y0 NATIONAL PARK SERVICE BIG THICKET NP 3785 MILAM BEAUMONT TX 77701 14100099  
5200 NATIONAL PARK SERV CAPE LOOKOUT NATIONAL SEASHORE 131 CHARLES ST HARKERS  
ISLAND NC 24531 14100099  
5210 NATIONAL PARK SERVICE SOUTHWEST REGION-RANGER ACTIVITIES POB 728SANTA FE NM  
87504-0728 14100099  
5230 NATIONAL PARK SERVICE ROCKY MOUNTAIN REGIONAL OFFICE POB 25287 12795 W  
ALAMEDA PARKWAY DENVER CO 80225-0287 14100099  
5240 NATIONAL PARK SERVICE FINANCE DIVISION DFC POB 25287 12795 W ALAMEDA PARKWAY  
DENVER CO 80225-0287 14100099  
5250 NATIONAL PARK SERVICE PACIFIC WEST REGION 1111 JACKSON ST SUITE 700 OAKLAND CA  
94607 14100099  
5260 NATIONAL PARK SERVICE POINT REYES NS POINT REYES CA 94956 14100099  
5270 NATIONAL PARK SERVICE CANYONLANDS COMPLEX 2282 SW RESOURCE BLVD-STAFF  
RANGER MOAB UT 84532-2995 14100099  
5280 NATIONAL PARK SERVICE LAKE MEAD NRA 601 NEVADA HIGHWAY BOULDER CITY NV 89005  
14100099  
5290 NATIONAL PARK SERV ZION NAT PARK SPRINGDALE UT 84767 14100099  
52A0 NATIONAL PARK SERVICE BUFFALO NR 402 N WALNUT STREET STE 136 HARRISON AR 72601-  
3622 14100099  
52B0 NATIONAL PARK SERVICE HOT SPRINGS NP POB 1860 HOT SPRINGS AR 71902-1860 14100099  
52C0 NATIONAL PARK SERVICE PADRE ISLAND NS 9405 S PADRE ISLAND DR CORPUS CHRISTI TX  
7841814100099  
52E0 NATIONAL PARK SERVICE CRATER LAKE NP POB 7 CRATER LAKE OR 97604 14100099  
52F0 NATIONAL PARK SERVICE DELAWARE WATER GAP NRA BUSKILL PA 18324 14100099  
52G0 NATIONAL PARK SERVICE UPPER DELAWARE SRR RR 2 BOX 2428BEACH LAKE PA 18405-9737  
14100099  
52H0 NATIONAL PARK SERVICE BISCAYNE NP 9700 SW 328 STREET HOMESTEAD FL 33030-5634  
14100099  
52K0 NATIONAL PARK SERVICE LAKE MEREDITH NRA POB 1460 FRITCH TX 79036 14100099  
52M0 NATIONAL PARK SERVICE CAPE HATTERAS NS RT 1 BOX 675 MANTEO NC 27954 14100099  
52P0 NATIONAL PARK SERVICE NAVAJO NATIONAL MONUMENT TONALEA AZ 86044-9704 14100099

52R0 NATIONAL PARK SERVICE N ATLANTIC REG OFFICE 15 STATE ST BOSTON MA 2109 14100099  
52T0 NATIONAL PARK SERVICE HARPERS FERRY CENTER HARPERS FERRY WV 25425 14100099  
52W0 NATIONAL PARK SERVICE CHICKASAW NRA 1008 WEST 2ND STREET SULPHUR OK 73086  
14100099  
52X0 NATIONAL PARK SERVICE CUMBERLAND GAP NHP POB 1848MIDDLESBORO KY 40965  
14100099  
5300 NATIONAL PARK SERVICE WIND CAVE NP 26611 US HIGHWAY 385 HOT SPRINGS SD 57747  
14100099  
5310 NATIONAL PARK SERVICE HAWAII VOLCANOES NAT PARK HI 9671814100099  
5320 NATIONAL PARK SERVICE CHANNEL ISL NP ATTN: RHONDA BROOKS 1901 SPINNAKER DRIVE  
VENTURA CA 93001 14100099  
5330 NATIONAL PARK SERVICE CARLSBAD CAVERNS NP 3225 NATIONAL PARKS HIGHWAY  
CARLSBAD NM 88220 14100099  
5340 NATIONAL PARK SERVICE DINOSAUR NATIONAL MONUMENT 4545 E HWY 40 DINOSAUR CO  
81610 14100099  
5350 NATIONAL PARK SERVICE KATMAI NATIONAL PARK & PRESERVE POB 7 1 KING SALMON  
MALL KING SALMON AK 99613 14100099  
5360 NATIONAL PARK SERVICE DENALI NP & PRESERVE POB 9 - FINANCE DENALI AK 99755  
14100099  
5370 NATIONAL PARK SERVICE KLONDIKE NAT HISTORIC PARK POB 517 SKAGWAY AK 99840  
14100099  
5380 NATIONAL PARK SERVICE GLACIER BAY NP AND PRESERVE POB 140 GUSTAVUS AK 99826  
0140 14100099  
5390 NATIONAL PARK SERVICE MAMMOTH CAVE NP POB 7 MAMMOTH KY 42259 14100099  
53A0 NATIONAL PARK SERVICE ALLEGHENY PORTAGE RR NHS POB 189 CRESSON PA 16630  
14100099  
53C0 NATIONAL PARK SERVICE NEW RIVER GORGE NR POB 246 GLEN JEAN WV 25901 14100099  
53E0 NATIONAL PARK SERVICE JEAN LAFITTE NHP 419 RUE DECATUR NEW ORLEANS LA 70130-  
1035 14100099  
53N0 NATIONAL PARK SERVICE JOHN DAY FOSSIL BEDS HC 82 BOX 126 KIMBERLY OR 97848-9701  
14100099  
53P0 NATIONAL PARK SERVICE ACADIA NP POB 177 BAR HARBOR ME 04609 14100099  
53R0 NATIONAL PARK SERVICE DIV OF CULTURAL RESOURCES 240 W 5TH AVENUE ANCHORAGE  
AK 99501-2327 14100099  
53T0 NATIONAL PARK SERVICE FIRE MGMT PROGRAM 240 WEST 5TH AVENUE SUITE 114  
ANCHORAGE AK 99501 14100099  
53X0 NATIONAL PARK SERVICE KALAUPAPA NHS POB 2222 KALAUPAPA HI 96742 14100099  
5400 NATIONAL PARK SERVICE NATIONAL PARK SERVICE FINANCE - ADMINISTRATION 2525  
GAMBELL RM 107 ANCHORAGE AK 99503 14100099  
5410 NATIONAL PARK SERVICE NORTHWEST ALASKA AREA POB 1029 KOTZEBUE AK 99752  
14100099  
5420 NATIONAL PARK SERVICE WRANGELL/ST ELIAS NP POB 439 COPPER CENTER AK 99573  
14100099  
5430 NATIONAL PARK SERVICE LAKE CLARK NP 240 WEST 5TH AVENUE SUITE 236 ANCHORAGE  
AK 99501 14100099  
5440 NATIONAL PARK SERVICE GATES OF THE ARCTIC NP 4175 GEIST RD FAIRBANKS AK 99709  
14100099  
5450 NATIONAL PARK SERVICE ANIAKCHAK NAT MON POB 7 KING SALMON AK 99613 14100099  
5460 NATIONAL PARK SERVICE BERING LAND BRIDGE NAT PRESERVE PO BOX 220 NOME AK 99762  
14100099  
5470 NATIONAL PARK SERVICE KENAI FJORDS POB 1727 SEWARD AK 99664 14100099  
5480 NATIONAL PARK SERVICE YUKON-CHARLEY RIVERS NP 4175 GEIST RD FAIRBANKS AK 99709  
14100099

5490 NATIONAL PARK SERVICE BRANCH OF FIRE MANAGEMENT 3833 S DEVELOPMENT AVENUE  
BOISE ID 83705-5354 14100099

54G0 NATIONAL PARK SERVICE VIRGIN ISLAND NP POB 7789 CHARLOTTE AMALIE 00801 14100099

54H0 NATIONAL PARK SERVICE HORACE M ALBRIGHT TRAINING CENTER POB 477 GRAND  
CANYON AZ 86023 14100099

54J0 NATIONAL PARK SERVICE GREAT BASIN NP BAKER NV 89311 14100099

54K0 NATIONAL PARK SERVICE EL MALPAIS NM 123 E ROOSEVELT AVENUE GRANTS NM 87020-  
2017 14100099

54L0 NATIONAL PARK SERVICE OFFICE OF INTERNATIONAL AFFAIRS POB 4800 - NPS/A00 ATTN: L  
WILSON RESTON VA 22090 14100099

54M0 NATIONAL PARK SERVICE WHITE SANDS NATIONAL MONUMENT POB 1086-  
SUPERINTENDENT- HOLLOMAN AFB NM 88330 14100099

54P0 NATIONAL PARK SERVICE GULF ISLANDS NS 1801 GULF BREEZE PARKWAY GULF BREEZE FL  
32561 14100099

54R0 NATIONAL PARK SERVICE POB 4800 POB 4800 RESTON VA 22090 14100099

54T0 NATIONAL PARK SERVICE KALOKO/HONOKOHAU NHP 73-4786 KANALANI ST #14 KAILUA-  
KONA HI 96740 14100099

54W0 NATIONAL PARK SERVICE MISSISSIPPI NRRA 111 E KELLOGG BLVD ST PAUL MN 55101-1256  
14100099

54X0 NATIONAL PARK SERVICE WATER RESOURCE DIVISION 1201 OAKRIDGE DR SUITE 250 FORT  
COLLINS CO 80525 14100099

5500 NATIONAL PARK SERVICE ATTN: HEADQUARTERS MESA VERDE NATIONAL PARK MESA  
VERDE CO 81330 14100099

5510 NATIONAL PARK SERVICE MT RAINIER NP 55210 238th Ave. East ASHFORD WA 98304 14100099

5520 NATIONAL PARK SERVICE REDWOOD NATL PARK 1111 SECOND ST CRESCENT CITY CA 95531  
14100099

5530 NATIONAL PARK SERVICE CANAVERAL NATIONAL SEASHORE 308 JULIA STREET TITUSVILLE  
FL 32796-3521 14100099

5540 NATIONAL PARK SERVICE WESTERN ARCHEOLOGICAL & CONSERVATIO 1415 N 6TH AVENUE  
TUCSON AZ 85705 14100099

5550 NATIONAL PARK SERVICE BADLANDS NAT PARK BOX 6 INTERIOR SD 57750 14100099

5560 NATIONAL PARK SERVICE ROCKY MTN NATIONAL PARK ESTES PARK CO 80517 14100099

5570 NATIONAL PARK SERVICE SANTA MONICA MOUNTAINS NRA 401 W HILLCREST DRIVE  
THOUSAND OAKS CA 91360-4207 14100099

5580 NATIONAL PARK SERVICE NATL CAPITOL REGION 1100 OHIO DR SW RM 251 WASHINGTON DC  
20242 14100099

5590 NATIONAL PARK SERVICE PETRIFIED FOREST NP PETRIFIED FOREST NP AZ 8602814100099

55A0 NATIONAL PARK SERVICE AMISTAD NRA POB 420367 DEL RIO TX 78842-0367 14100099

55C0 NATIONAL PARK SERVICE GUADALUPE MOUNTAINS NP HC 60 BOX 400 SALT FLAT TX 79847-  
9400 14100099

55E0 NATIONAL PARK SERVICE SOCIAL ECONOMIC STUDIES POB 25287 WASO TNT DSC DENVER  
CO 80225-0287 14100099

55F0 NATIONAL PARK SERVICE OBED NATIONAL SCENIC WATERWAY POB 429 WARTBURG TN  
37887 14100099

55H0 NATIONAL PARK SERVICE NIOBRARA/MISSOURI NSW POB 591 O'NEILL NE 68763 14100099

55J0 NATIONAL PARK SERVICE ASSATEAGUE NS LE RT 2 BOX 294 BERLIN MD 21811 14100099

55K0 NATIONAL PARK SERVICE RANGER ACTIVITIES DIVISION POB 37127 MS 650 WASHINGTON  
DC 20013-7127 14100099

55L0 NATIONAL PARK SERVICE CRATERS OF THE MOON NM POB 29 ARCO ID 83213 14100099

55M0 NATIONAL PARK SERVICE PU'UHONUA O HONAUNAU NHP POB 129 HONAUNAU HI 96726  
14100099

55N0 NATIONAL PARK SERVICE 0501 BOX 37127 WASHINGTON DC 20013-7127 14100099

55P0 NATIONAL PARK SERVICE BRANCH OF FIRE & AVIATION 18TH & C ST NW - RM

3318 WASHINGTON DC 20013 14100099  
55R0 NATIONAL PARK SERVICE NEZ PERCE NATIONAL HISTORIC PARK POB 93 SPALDING ID 83551  
14100099  
55T0 NATIONAL PARK SERVICE SAN ANTONIO MISSION NHP 2202 ROOSEVELT AVE SAN ANTONIO  
TX 78210 14100099  
55W0 NATIONAL PARK SERVICE MOJAVE NP 2701 BARSTOW RD BARSTOW CA 92311 14100099  
55X0 NATIONAL PARK SERVICE SITKA NHP POB 738 SITKA AK 99835 14100099  
5600 NATIONAL PARK SERVICE FINANCE 240 WEST 5TH AVENUE SUITE 114 ANCHORAGE AK 99501  
14100099  
5630 NATIONAL PARK SERVICE NPS NATURAL RESOURCES/SCIENCE 2525 GAMBELL RM 107 ATTN  
FINANCE ANCHORAGE AK 99503 14100099  
5660 NATIONAL PARK SERVICE SAGUARO NATL MONUMENT 3693 S OLD SPANISH TRAIL TUCSON  
AZ 85730 14100099  
5680 NATIONAL PARK SERVICE BIGHORN CANYON NRA POB 7458 FORT SMITH MT 59035-7458  
14100099  
56A0 NATIONAL PARK SERVICE ARCHES NP POB 907 - STAFF RANGER MOAB UT 84532 14100099  
56C0 NATIONAL PARK SERVICE ROCK CREEK PARK 3545 WILLIAMSBURG LANE WASHINGTON DC  
20008 14100099  
56E0 NATIONAL PARK SERVICE GEORGE WASHINGTON MP C/O TURKEY RUN PARK MCLEAN VA  
22101 14100099  
56G0 NATIONAL PARK SERVICE STEAMTOWN NATIONAL HISTORIC SITE 150 S WASHINGTON AVE  
SCRANTON PA 18503 14100099  
56J0 NATIONAL PARK SERVICE OREGON CAVES NATIONAL MONUMENT 19000 CAVES HWY CAVE  
JUNCTION OR 97523 14100099  
56K0 NATIONAL PARK SERVICE CABRILLO NATIONAL MONUMENT 1800 CABRILLO MEMORIAL  
DRIVE SAN DIEGO CA 92106 14100099  
56L0 NATIONAL PARK SERVICE BOX 700 BOX 700 EL PORTAL CA 95318 14100099  
56M0 NATIONAL PARK SERVICE BLUE RIDGE PARKWAY 400 BB&T BLDG-ONE PACK SQUARE  
ASHEVILLE NC 28801 14100099  
56P0 NATIONAL PARK SERVICE FEDERAL BLDG ROOM 474 100 CENTENNIAL MALL NORTH  
LINCOLN NE 68508 14100099  
56R0 NATIONAL PARK SERVICE SOUTHERN ARIZONA GROUP 3115 N 3RD AVE #101 PHOENIX AZ  
85013 14100099  
56T0 NATIONAL PARK SERVICE SCOTTS BLUFF NATIONAL MONUMENT BOX 27 GERING NE 69341-  
0027 14100099  
56U0 NATIONAL PARK SERVICE 1 EAST CASTILLO DRIVE 1 EAST CASTILLO DRIVE ST AUGUSTINE  
FL 32084 14100099  
56W0 NATIONAL PARK SERVICE PACIFIC ISLANDS SUPPORT OFFICE 300 ALA MOANA BOX 50165  
RM 6-226 HONOLULU HI 96850 14100099  
56X0 NATIONAL PARK SERVICE CHATTAHOOCHEE RIVER NRA 1978 ISLAND FORD PARKWAY  
ATLANTA GA 30350-3400 14100099  
5700 NATIONAL PARK SERVICE SE ARCHEOLOGICAL CENTER SUITE 120 2035 E PAUL DIRAC DRIVE  
BOX 7 TALLAHASSEE FL 32310 14100099  
5710 NATIONAL PARK SERVICE GRAND TETON NATIONAL PARK ATTN: ADMINISTRATIVE  
OFFICER MOOSE WY 83012 14100099  
5720 NATIONAL PARK SERVICE LASSEN VOLCANIC NP P O BOX 100 MINERAL CA 96063-0100  
14100099  
5730 NATIONAL PARK SERVICE GLEN CANYON NRA - LINDY MIHATA BOX 1507 PAGE AZ 86040  
14100099  
5740 NATIONAL PARK SERVICE CAPITOL REEF NP ATTN PROCUREMENT TORREY UT 84775  
14100099  
5750 NATIONAL PARK SERVICE INDIANA DUNES NATL LAKESHORE 1100 N MINERAL SPR RD  
PORTER IN 46304 14100099

5760 NATIONAL PARK SERVICE BIG SOUTH FORK NRA 4564 SEATHERWOOD RD ONEIDA TN 37841  
14100099

5770 NATIONAL PARK SERVICE AGATE FOSSIL BEDS BOX 427 GERING NE 69341 14100099

5780 NATIONAL PARK SERVICE HOMESTEAD NATL MON RFD 3 BEATRICE NE 68310 14100099

5790 NATIONAL PARK SERVICE EFFIGY MOUNDS NM 151 HWY 76 HARPERS FERRY IA 52146  
14100099

57A0 NATIONAL PARK SERVICE CHIRICAHUA NM HCR 2 BOX 6500 WILLCOX AZ 85643 14100099

57C0 NATIONAL PARK SERVICE DEVILS POSTPILE NATIONAL MONUMENT PO BOX 501 MAMMOTH  
LAKES CA 93546 14100099

57E0 NATIONAL PARK SERVICE ATTN: ELLEN KANEEN GLACIER NP WEST GLACIER MT 59936  
14100099

57H0 NATIONAL PARK SERVICE NATCHEZ TRACE PARKWAY 2680 NATCHEZ TRACE TUPELO MS  
38801 14100099

57J0 NATIONAL PARK SERVICE NRSS-NATURAL SYSTEM MANAGEMENT 1201 OAKRIDGE DR SUITE  
350 FORT COLLINS CO 80525 14100099

57K0 NATIONAL PARK SERVICE NATL REGISTER OF HISTORIC PLACES 1849 C STREET NW ROOM  
NC-400 WASHINGTON DC 20240 14100099

57L0 NATIONAL PARK SERVICE BIOLOGICAL RESOURCE MANAGEMENT DIV 1201 OAK RIDGE  
DRIVE SUITE 200 FT COLLINS CO 80525 14100099

57M0 NATIONAL PARK SERVICE ISLE ROYALE NATINAL SEASHORE 800 E LAKESHORE DRIVE -  
JACK OELFKE HUGHTON MI 49921-1895 14100099

57N0 NATIONAL PARK SERVICE EASTERN AREA FIRE MANGEMENT PROGRAM 4175 GEIST RD  
FAIRBANKS AK 99709 14100099

57P0 NATIONAL PARK SERVICE DENALI NP - FIRE MANAGEMENT POB 9 - FINANCE DENALI AK  
99755 14100099

57R0 NATIONAL PARK SERVICE GRAND CANYON PARASHANT NM 345 EAST RIVERSIDE DRIVE ST  
GEORGE UT 84790 14100099

57T0 NATIONAL PARK SERVICE SCIENCE FOR URBAN ECOLOGY 4598 MACARTHUR BLVD NW  
WASHINGTON DC 20007 14100099

57W0 NATIONAL PARK SERVICE LITTLE RIVER CANYON NP 2141 GAULT AVENUE NORTH FORT  
PAYNE AL 35967 14100099

57X0 NATIONAL PARK SERVICE CENTRAL AK INVENTORY & MONITORING 4175 GEIST RD  
FAIRBANKS AK 99709 14100099

57Z0 NATIONAL PARK SERVICE ATTN: TAMARA BLETT POB 25287 DENVER CO 80225 14100099

5800 NATIONAL PARK SERVICE HERBERT HOOVER NATL HIST SITE BOX 607 W BRANCH IA  
5235814100099

5810 NATIONAL PARK SERVICE LINCOLN HOME NHS 526 S 7TH STREET SPRINGFIELD IL 62703  
14100099

5820 NATIONAL PARK SERVICE GEORGE ROGERS CLARK NHP 401 S 2ND STREET VINCENNES IN  
47591 14100099

5830 NATIONAL PARK SERVICE LINCOLN BOYHOOD NM LINCOLN CITY IN 47552 14100099

5840 NATIONAL PARK SERVICE FT LARNED NATL HIST SITE ROUTE 3 LARNED KS 67550 14100099

5850 NATIONAL PARK SERVICE FT SCOTT NATL HIST SITE OLD FORT BLVD FT SCOTT KS 66701  
14100099

5860 NATIONAL PARK SERVICE GRAND PORTAGE NATL MON 315 BROADWAY GRAND MARAIS MN  
55604 14100099

5870 NATIONAL PARK SERVICE PIPESTONE NM 36 RESERVATION AVENUE PIPESTONE MN 56164-  
1269 14100099

5880 NATIONAL PARK SERVICE PICTURED ROCK NATL LAKESHORE BOX 40 MUNISING MI 49862  
14100099

5890 NATIONAL PARK SERVICE SLEEPING BEAR DUNES NL POB 277 9922 FRONT ST HWY M-72  
EMPIRE MI 49630 14100099

58A0 NATIONAL PARK SERVICE PU'UKOHOLA HEIAU NHS POB 44340 - ATTN: ADMIN OFFICER

KAWAIHAE HI 96743 14100099  
58C0 NATIONAL PARK SERVICE PWRO HONOLULU INVENTORY & MONITORIN 300 ALA MOANA  
RM 6-226 BOX 50165 HONOLULU HI 96850-0053 14100099  
58E0 NATIONAL PARK SERVICE NRC 240 WEST 5TH AVENUE ANCHORAGE AK 99501 14100099  
58F0 NATIONAL PARK SERVICE INVENTORY AND MONITORING 240 W 5TH AVENUE SUITE 114  
ANCHORAGE AK 99501 14100099  
58G0 NATIONAL PARK SERVICE CORONADO NATIONAL MEMORIAL 4101 MONTEZUMA CANYON  
RD HURFORD AZ 85615 14100099  
58H0 NATIONAL PARK SERVICE KINGS MOUNTIAN NMP 2625 PARK ROAD BLACKBURG SC 29702  
14100099  
58J0 NATIONAL PARK SERVICE SOUTHWEST ALASKA NETWORK 2101 240 W 5TH AVENUE SUITE  
236 ANCHORAGE AK 99501 14100099  
58K0 NATIONAL PARK SERVICE ARCTIC INVENTORY & MONITORING 4175 GEIST RD FAIRBANKS  
AK 99709 14100099  
58L0 NATIONAL PARK SERVICE SOUTHEAST ALASKA NETWORK 2104 POB 140 GUSTAVUS AK 99826  
14100099  
58M0 NATIONAL PARK SERVICE SOUTH FORK CARIBBEAN NETWORK 18001 OLD CUTLER RD  
SUITE 419 MIAMI FL 33157 14100099  
58P0 NATIONAL PARK SERVICE BIGHORN CANYON NRA 20 HIGHWAY 14A EAST LOVELL WY 82431  
14100099  
58T0 NATIONAL PARK SERVICE SOUTH FLORIDA ECOSYSTEM OFFICE 950 N KROME AVENUE  
HOMESTEAD FL 33030 14100099  
5900 NATIONAL PARK SERVICE GEORGE WASHINGTON CARVER NM BOX 38DIAMOND MO 64840  
14100099  
5910 NATIONAL PARK SERVICE JEFFERSON NATL EXPANSION MEMORIAL 11 NORTH 4TH STREET  
ST LOUIS MO 63102 14100099  
5920 NATIONAL PARK SERVICE OZARK NATL SCENIC RIVERWAY BOX 490 VAN BUREN MO 63965  
14100099  
5930 NATIONAL PARK SERVICE WILSONS CREEK NATL BATTLEFIELD RT 2 BOX 75 REPUBLIC MO  
6573814100099  
5940 NATIONAL PARK SERVICE CUYAHOGA VALLEY NRA 15610 VAUGHN RD BREKSVILLE OH  
44141 14100099  
5950 NATIONAL PARK SERVICE MOUND CITY GROUP NATL MON 16062 STATE RT 104 CHILLICOTHE  
OH 45601 14100099  
5960 NATIONAL PARK SERVICE PERRYS VICTORY IPM BOX 78PUT IN BAY OH 43456 14100099  
5970 NATIONAL PARK SERVICE WILLIAM HOWARD TAFT NHS 2038 AUBURN AVE CINCINNATE OH  
45219 14100099  
5980 NATIONAL PARK SERVICE APOSTLE ISLANDS NATL LAKESHORE BOX 729 BAYFIELD WI 54814  
14100099  
5990 NATIONAL PARK SERVICE SAINT CROIX NSR BOX 708ST CROIX FALLS WI 54024 14100099  
59A0 NATIONAL PARK SERVICE GRD ATTN: BRUCE HEISE POB 25287 DENVER CO 80225 14100099  
59C0 NATIONAL PARK SERVICE COLONIAL NATIONAL HISTORICAL PARK POB 210 YORKTOWN VA  
23690 14100099  
59E0 NATIONAL PARK SERVICE CORONADO NATIONAL MEMORIAL 4101 E MONTEZUMA CANYON  
RD HEREFORD AZ 85615 14100099  
59F0 NATIONAL PARK SERVICE GREAT LAKES INVENTORY & MONITORING 2800 LAKESHORE  
DRIVE EAST SUITE D ASHLAND WI 54806 14100099  
59G0 NATIONAL PARK SERVICE CATOCTIN MOUNTAIN PARK 6602 FOXVILLE RD THURMONT MD  
21788-1598 14100099  
59J0 NATIONAL PARK SERVICE BRANCH OF AVIATION 3833 S DEVELOPEMENT WAY BOISE ID  
83705-5354 14100099  
59K0 NATIONAL PARK SERVICE ROOM 202 317 S 7TH STREET KLAMATH FALLS OR 97601 14100099  
59P0 NATIONAL PARK SERVICE NATIONAL PARK SERVICE CANYON DE CHELLY P.O. BOX

588CHINLE AZ 86503 14100099  
59W0 National Park Service FLETC National Park Service FLETC 1131 Chapel Crossing Road Bld 64, Room 213 Brunswick GA 31525 14100099  
59X0 NATIONAL PARK SERVICE 18001 OLD CUTLER RD, SUITE 419 MIAMI FL 33157 14100099  
59Y0 NPS - GETTYSBURG NATIONAL MILITARY PARK NPS - GETTYSBURG NATIONAL MILITARY PARK 1195 BALTIMORE PIKE SUITE 100 GETTYSBURG PA 17325 14100099  
6010 BLM - ARIZONA STATE OFFICE ATTN: FIRE & AVIATION AZ940 ONE NORTH CENTRAL AVE SUITE 800 PHOENIX AZ 85004-4427 14110008  
6020 BLM - ARIZ STRIP FIELD OFFICE ATTN: AVIATION MANAGER 345 E RIVERSIDE DRIVE ST GEORGE AZ 84790-9000 14110008  
6030 BLM - PHOENIX FIELD OFFICE ATTN: AVIATION MANAGER 21605 N 7TH AVENUE PHOENIX AZ 85027-2099 14110008  
6040 BLM - GILA DISTRICT OFFICE ATTN: AVIATION MANAGER 711 14TH AVENUE SAFFORD AZ 85546 14110008  
6060 BLM - CALIFORNIA STATE OFFICE ATTN: AVIATION MANAGER 2800 COTTAGE WAY - W1834 SACRAMENTO CA 95825-1886 14110008  
6070 BLM - SUSANVILLE DISTRICT ATTN: AVIATION MANAGER 2950 RIVERSIDE DRIVE SUSANVILLE CA 96130 14110008  
6080 BLM - COLORADO STATE OFFICE ATTN: AVIATION MANAGER (CO-937) 2850 YOUNGFIELD STREET LAKEWOOD CO 80215-7093 14110008  
6090 BLM - CRAIG DISTRICT ATTN: AVIATION MANAGER 455 EMERSON ST CRAIG CO 81625 14110008  
6100 BLM - BISHOP OFFICE ATTN: AVIATION MANAGER 351 PACU LANE, SUITE 100 BISHOP CA 93514 14110008  
6110 BLM - BOISE DISTRICT ATTN: AVIATION MANAGER 3948 DEVELOPMENT BOISE ID 83705 14110008  
6120 BLM - TWIN FALLS AIRBASE ATTN: AVIATION MANAGER 371 JOPLIN RD BOX 10 TWIN FALLS ID 83301 14110008  
6140 BLM - MONTANA STATE OFFICE ATTN: AVIATION MANAGER 1299 RIMTOP DRIVE BILLINGS MT 59105 14110008  
6170 BLM - LEWISTOWN DISTRICT ATTN: AVIATION MANAGER POB 1160 LEWISTOWN MT 59457-1160 14110008  
6190 BLM - MILES CITY DISTRICT ATTN: AVIATION MANAGER 111 GARRYOWEN RD MILES CITY MT 59301 14110008  
61A0 BLM - EASTERN STATES OFFICE ATTN: AVIATION MANAGER 411 BRIARWOOD DRIVE #404 JACKSON MS 39206-3039 14110008  
61C0 BUREAU OF LAND MANAGEMENT NATIONAL AVIATION HEADQUARTERS 3833 S DEVELOPMENT AVENUE BOISE ID 83705-5354 14110008  
61E0 BLM - FARMINGTON DISTRICT ATTN: AVIATION MANAGER 1235 LA PLATA HWY FARMINGTON NM 87401 14110008  
61F0 BLM - EASTERN GREAT BASIN CC ATTN: AVIATION MANAGER 5500 W AMELAI EARHART SUITE 270 SLC UT 84116 14110008  
61G0 BUREAU OF LAND MANAGEMENT BLDG 50 BC-600 POB 25047 DENVER CO 80225-0047 14110008  
61H0 BUREAU OF LAND MANGEMENT AMARILLO FIELD OFFICE 801 S FILLMORE SUITE 500 AMARILLO TX 79101-3545 14110008  
61K0 BLM - TULSA FIELD OFFICE ATTN: AVIATION MANAGER 7906 EAST 33RD ST SUITE 101 TULSA OK 74145-1352 14110008  
61M0 BUREAU OF LAND MANAGEMENT GRAND STAIRCASE-ESCALANTE NM 190 E CENTER KANAB UT 84741 14110008  
61N0 BUREAU OF LAND MANAGEMENT TAOS FIELD OFFICE 226 CRUZ ALTA RD TAOS NM 87571-5983 14110008  
61P0 BUREAU OF LAND MANAGEMENT SOCORRO FIELD OFFICE 901 S HIGHWAY 85 SOCORRO NM 87801-4168 14110008

61R0 BUREAU OF LAND MANAGEMENT CARLSBAD FIELD OFFICE 620 E GREENE STREET  
CARLSBAD NM 88220-6292 14110008

61T0 BUREAU OF LAND MANAGEMENT SAN JUAN FIELD OFFICE 15 BURNETT CT DURANGO CO  
81301-3647 14110008

61W0 BUREAU OF LAND MANAGEMENT FISH WILDLIFE & FOREST GROUP 1387 S VINNELL WAY  
BOISE ID 83709 14110008

61X0 BLM - DILLON FIELD OFFICE ATTN: AVIATION MANAGER 106 N PARKMONT BUTTE MT 59701  
14110008

6210 BLM - NEVADA STATE OFFICE ATTN: AVIATION MANAGER PO BOX 12000 RENO NV 89520  
14110008

6220 BLM - BURNS DISTRICT ATTN: AVIATION MANAGER 12533 HWY 20 WEST HINES OR  
9773814110008

6230 BLM - PRINEVILLE DISTRICT ATTN: AVIATION MANAGER 3050 NE 3RD STREET PRINEVILLE  
OR 97754-2900 14110008

6240 BLM - VALE DISTRICT ATTN: AVIATION MANAGER 100 OREGON STREET VALE OR 97918-9630  
14110008

6260 BLM - CANYON COUNTRY DISTRICT ATTN: AVIATION MANAGER 82 E DOGWOOD SUITE M  
MOAB UT 84532 14110008

6290 BLM - ELKO DISTRICT ATTN: AVIATION MANAGER 3900 IDAHO STREET ELKO NV 89803  
14110008

62A0 BUREAU OF LAND MANAGEMENT NATIONAL TRAINING CENTER 9828 N 31 ST AVENUE  
PHOENIX AZ 85051 14110008

62C0 BLM - TWIN FALLS AIRBASE ATTN: AVIATION MANAGER 371 JOSLIN RD BOX 10 TWIN FALLS  
ID 83301 14110008

62E0 BLM - BILLINGS FIELD OFFICE ATTN: AVIATION MANAGER 5001 SOUTHGATE DRIVE  
BILLINGS MT 59101-4669 14110008

62F0 BUREAU OF LAND MANAGEMENT C/O BLM JACKSON FIELD OFFICE 411 BRIARWOOD DRIVE  
SUITE 404 JACKSON MS 39206 14110008

62H0 BUREAU OF LAND MANAGEMENT NEEDLES FIELD OFFICE CA-960 1303 S HIGHWAY 95  
NEEDLES CA 92363-4228 14110008

62J0 BLM - MALTA FIELD OFFICE ATTN: AVIATION MANAGER 501 S 2ND STREET EAST MALTA MT  
5953814110008

62K0 BLM - MISSOULA FIELD OFFICE ATTN: AVIATION MANAGER 3255 FORT MISSOULA RD  
MISSOULA MT 59804-7293 14110008

62L0 BLM MONTICELLO FIELD OFFICE BLM MONTICELLO FIELD OFFICE P.O. BOX 7 MONTICELLO  
UT 84535 14110008

6300 BLM - LAS VEGAS DISTRICT ATTN: AVIATION MANAGER POB 237 CALIENTE NV 89008-0237  
14110008

6310 BLM - CALIF DESERT DISTRICT ATTN: AVIATION MANAGER 22835 CALLE SAN JUAN DE LOS  
LEGO MARINO VALLEY CA 92553 14110008

6320 BLM - UTAH STATE OFFICE ATTN: AVIATION MANAGER U-940 POB 45155 SALT LAKE CITY UT  
84145-0155 14110008

6330 BLM - BAKER DISTRICT ATTN: AVIATION MANAGER 3165 10TH ST BAKER OR 97814-1408  
14110008

6340 BLM - CASPER DISTRICT ATTN: AVIATION MANAGER 2987 PROSPECTOR DRIVE CASPER WY  
82604 14110008

6360 BLM - NEW MEXICO STATE OFFICE ATTN: AVIATION MANAGER (936) POX 27115 SANTA FE NM  
87502-7115 14110008

6370 BLM - WYOMING STATE OFFICE ATTN: AVIATION MANAGER 5353 YELLOWSTONE CHEYENNE  
WY 82003 14110008

6390 BLM - CENTRAL UTAH FIRE ZONE ATTN: AVIATION MANAGER - BLAKE FORD 150 EAST 900  
NORTH RICHFIELD UT 84701 14110008

6400 BLM - IDAHO STATE OFFICE ATTN: AVIATION MANAGER 1387 S VINNELL WAY BOISE ID

83709-1657 14110008  
6410 BLM - CARSON CITY DISTRICT ATTN: AVIATION MANAGER 5665 MORGAN MILL ROAD  
CARSON CITY NV 89701 14110008  
6420 BLM - BATTLE MTN DISTRICT ATTN: AVIATION MANAGER 3900 E IDAHO STREET ELKO NV  
89801 14110008  
6430 BLM - ELY DISTRICT ATTN: AVIATION MANAGER POB 237 CALIENTE NV 89008-0237 14110008  
6440 BLM - WINNEMUCCA DISTRICT ATTN: AVIATION MANAGER 5100 E WINNEMUCCA BLVD  
WINNEMUCCA NV 89445 14110008  
6450 BLM - OREGON STATE OFFICE ATTN: AVIATION MANAGER BOX 2965 PORTLAND OR  
9720814110008  
6460 BLM - WORLAND DISTRICT ATTN: AVIATION MANAGER POB 119 WORLAND WY 82401-0119  
14110008  
6470 BLM - ROCK SPGS DISTRICT ATTN: AVIATION MANAGER 280 HWY 191 N ROCK SPRINGS WY  
82901-3447 14110008  
6490 BLM - BUTTE DISTRICT ATTN: AVIATION MANAGER 106 N PARKMONT BUTTE MT 59701  
14110008  
6500 BLM - COEUR D'ALENE DISTRICT ATTN: UNIT AVIATION OFFICER R-1 11569 N AIRPORT DRIVE  
HAYDEN ID 83835 14110008  
6520 BLM - MONTROSE DISTRICT ATTN: AVIATION MANAGER 2465 S TOWNSEND MONTROSE CO  
81401 14110008  
6530 BLM - MEDFORD DISTRICT ATTN: AVIATION MANAGER 3040 BIDDLE RD MEDFORD OR 97501  
14110008  
6540 BLM - BAKERSFIELD DISTRICT ATTN: AVIATION MANAGER 3801 PEGASUS DRIVE  
BAKERSFIELD CA 93308-6837 14110008  
6550 BLM - LAS CRUCES DISTRICT ATTN: AVIATION MANAGER 1800 MARQUESS LAS CRUCES NM  
88005 14110008  
6590 BLM - G JUNCTION DISTRICT ATTN: AVIATION MANAGER 2815 H ROAD GRAND JUNCTION CO  
81506 14110008  
65A0 BLM - SALEM DISTRICT ATTN: AVIATION MANAGER 1717 FABRY ROAD SE SALEM OR 97306-  
1208 14110008  
65B0 BLM - ROSEBURG DISTRICT ATTN: AVIATION MANAGER 777 NW GARDEN VALLEY BLVD  
ROSEBURG OR 97470 14110008  
65C0 BLM - COOS DISTRICT ATTN: AVIATION MANAGER 1300 AIRPORT LANE NORTH BEND OR  
97459 14110008  
65E0 BLM - SPOKANE DISTRICT ATTN: AVIATION MANAGER 1103 N FANCHER SPOKANE WA 99212-  
1275 14110008  
6600 BLM-COLORADO RIVER DISTRICT OFFICE ATTN: AVIATION MANAGER 2610 SWEETWATER  
AVENUE LAKE HAVASU CITY AZ 86406 14110008  
6610 BLM - TWIN FALLS AIRBASE ATTN: AVIATION MANAGER 371 JOSLIN RD BOX 10 TWIN FALLS  
ID 83301 14110008  
6620 BLM - LAKEVIEW DISTRICT ATTN: L I F C 1301 SOUTH G STREET LAKEVIEW OR 97630 14110008  
6640 BLM - CANON CITY DISTRICT ATTN: AVIATION MANAGER 3170 E MAIN ST CANON CITY CO  
81212 14110008  
6650 BLM - SALMON DISTRICT ATTN: AVIATION MANAGER 50 HWY 93 SOUTH SALMON ID 83467-  
5321 14110008  
6660 BLM - EUGENE DISTRICT ATTN: AVIATION MANAGER BOX 10226 EUGENE OR 97401 14110008  
6670 MINERALS MANAGEMENT SERVICE ALASKA OCS REGION 3801 CENTERPOINT DRIVE SUITE  
500 ANCHORAGE AK 99503-5823 14190001  
6680 BLM - UKIAH DISTRICT ATTN: AVIATION MANAGER 2550 N STATE ST UKIAH CA 95482-3023  
14110008  
6700 BLM - COLOR COUNTRY DISTRICT ATTN: AVIATION MANAGER 176 E DL SARGENT DR CEDAR  
CITY UT 84720 14110008  
6710 BLM - DICKINSON DISTRICT ATTN: AVIATION MANAGER 2933 3RD AVE WEST DICKINSON ND

58601 14110008  
6720 BLM - GREEN RIVER DISTRICT ATTN: AVIATION MANAGER 170 S 500 EAST VERNAL UT  
8407814110008  
6730 BLM - IDAHO FALLS DISTRICT ATTN: AVIATION MANAGER 1405 HOLLIPARK DRIVE IDAHO  
FALLS ID 83401-2100 14110008  
6760 BLM - ROSWELL DISTRICT ATTN: AVIATION MANAGER 2909 W 2ND STREET ROSWELL NM  
88201 14110008  
6790 BLM - ALASKA FIRE SERVICE ATTN: AIRCRAFT PAYMENTS POB 35005 FT WAINWRIGHT AK  
99703-0005 14110008  
6800 BLM - RAWLINS DISTRICT ATTN: AVIATION MANAGER POB 2407 RAWLINS WY 82301-2407  
14110008  
6840 BLM - WEST DESERT DISTRICT ATTN: AVIATION MANAGER 2370 S 2300 W SALT LAKE CITY UT  
84119 14110008  
6880 BLM - ALBUQUERQUE DISTRICT ATTN: AVIATION MANAGER 435 MONTANO ROAD NW  
ALBUQUERQUE NM 87107 14110008  
6900 USDI - BLM WO-740 ATTN: AVIATION MANAGER 18TH AND C STREETS WASHINGTON DC 20240  
14110008  
6920 BLM - CSO CADAST SURVEY ATTN: AVIATION MANAGER 2800 COTTAGE WAY W1834  
SACRAMENTO CA 95825 14110008  
6990 BLM - NATL INTERAGENCY FIRE CENTER ATTN: AVIATION MANAGER 3833 S DEVELOPMENT  
AVENUE BOISE ID 83705-5354 14110008  
7010 BLM - ALASKA STATE OFFICE ATTN: AVIATION MANAGER PO BOX 13 222 WEST 7TH  
ANCHORAGE AK 99513 14110008  
7020 BLM ALASKA PIPELINE ALASKA STATE OFFICE - 951 411 W 4TH AVENUE 2ND FLOOR  
ANCHORAGE AK 99501 14110008  
7210 BLM - AK-970B SOUTHERN ALASKA AVIATION MANAGER 6881 ABBOTT LOOP ROAD  
ANCHORAGE AK 99507 14110008  
7220 BLM - FAIRBANKS DISTRICT ATTN: AVIATION MANAGER 1150 UNIVERSITY AVENUE  
FAIRBANKS AK 99709 14110008  
7240 BLM - AK - 970B SOUTHERN ALASKA AVIATION MANAGER 6881 ABBOTT LOOP ROAD  
ANCHORAGE AK 99507 14110008  
7250 BUREAU OF LAND YACC CAMP NO 2511 BUREAU OF LAND YACC CAMP NO 2511 701 C STREET  
BOX 13 ANCHORAGE AK 99513 14110008  
7280 BLM - ALASKA FIRE SERVICE ATTN: FIRE SUPPLY SERVICES POB 35005 FT WAINWRIGHT AK  
99703-0005 14110008  
7300 US FISH AND WILDLIFE SERVICE FAIRBANKS FAO 101 12TH STREET - BOX 17 FAIRBANKS AK  
99701 14160006  
7330 US FISH AND WILDLIFE SERVICE DIVISION OF MIGRATORY BIRDS POB 1306 ALBUQUERQUE  
NM 87103-1306 14160006  
7340 US FISH AND WILDLIFE SERVICE REGIONAL AVIATION MANAGER 911 NE 11TH STREET  
PORTLAND OR 97232-4181 14160006  
7370 US FISH AND WILDLIFE SERVICE REELFOOT NWR 4343 HIGHWAY 157 UNION CITY TN 38261-  
7081 14160006  
7390 US FISH AND WILDLIFE SERVICE KOFA NWR 9300 E 28th Street YUMA AZ 85365 14160006  
73A0 US FISH AND WILDLIFE SERVICE UPPER MISSISSIPPI RIVER NWR 51 EAST 4TH STREET -  
ROOM 101 WINONA MN 55987 14160006  
73B0 US FISH AND WILDLIFE SERVICE CRESCENT LAKE NWR 10630 ROAD 181 ELLSWORTH NE  
69361-3190 14160006  
73C0 US FISH AND WILDLIFE SERVICE BEAR RIVER MBR 58 SOUTH 950 WEST BRIGHAM CITY UT  
84302 14160006  
73J0 US FISH AND WILDLIFE SERVICE 145 E 1300 S #404 SALT LAKE CITY UT 84115-5400 SALT LAKE  
CITY UT 84115-5400 14160006  
73N0 US FISH AND WILDLIFE SERVICE FISH SPRINGS NWR POB 568DUGWAY UT 84022-0568 14160006

73P0 US FISH AND WILDLIFE SERVICE OURAY NWR HC 69 BOX 232 RANLETT UT 84063-2042  
14160006

73R0 US FISH AND WILDLIFE SERVICE JONES HOLE NATIONAL FISH HATCHERY 1380 SOUTH 2350  
WEST VERNAL UT 84078-4328 14160006

73T0 US FISH AND WILDLIFE SERVICE UTAH FISH & WILDLIFE MANAGEMENT 1380 SOUTH 2350  
WEST VERNAL UT 84078-4538 14160006

73U0 US FISH AND WILDLIFE SERVICE HOTCHKISS NATIONAL FISH HATCHERY 8342 HATCHERY  
RD HOTCHKISS CO 81419-9242 14160006

73V0 US FISH AND WILDLIFE SERVICE LEADVILLE NATIONAL FISH HATCHERY 2844 HIGHWAY 300  
LEADVILLE CO 80461-9751 14160006

73W0 US FISH AND WILDLIFE SERVICE ARAPAHO NWR POB 457 WALDEN CO 80480-0457 14160006

73X0 US FISH AND WILDLIFE SERVICE ALAMOSA/MONTE VISTA NWR 9383 EL RANCHO LANE  
ALAMOSA CO 81101 14160006

73Y0 US FISH AND WILDLIFE SERVICE BROWNS PARK NWR 1318 HIGHWAY 318MAYBELL CO 81640-  
9707 14160006

7420 US FISH AND WILDLIFE SERVICE SHELDON-HART MOUNTAIN NWR 18 SOUTH G STREET  
LAKEVIEW OR 97630 14160006

7430 US FISH AND WILDLIFE SERVICE HAWAII & PACIFIC ISLANDS NWR COMPLE 300 ALA MOANA  
BLVD - ROOM 5-231 HONOLULU HI 96850 14160006

7450 US FISH AND WILDLIFE SERVICE MIGRATORY BIRD MANAGEMENT 1011 E TUDOR RD MS 201  
ANCHORAGE AK 99503 14160006

7460 US FISH AND WILDLIFE SERVICE REGIONAL DIR-FISHERIES 1011 E TUDOR RD ANCHORAGE  
AK 99503 14160006

7470 US FISH AND WILDLIFE SERVICE ENGINEERING -AF- 1011 E TUDOR RD ANCHORAGE AK 99503  
14160006

7480 US FISH AND WILDLIFE SERVICE MEDICINE LAKE NWR 223 NORTH SHORE RD MEDICINE  
LAKE MT 59247-9600 14160006

7490 US FISH AND WILDLIFE SERVICE DES LACS WILDLIFE REFUGE POB 578KENMARE ND 58746  
14160006

74A0 US FISH AND WILDLIFE SERVICE COLORADO STATE OFFICE POB 25486 DFC DENVER CO  
80225-0486 14160006

74B0 US FISH AND WILDLIFE SERVICE F&W ASSISTANCE FIELD OFFICE POB 25486 DFC DENVER CO  
80225-0486 14160006

74C0 US FISH AND WILDLIFE SERVICE SARATOGA NATIONAL FISH HATCHERY POB 665 SARATOGA  
WY 82331 14160006

74D0 US FISH AND WILDLIFE SERVICE SEEDSKADEE NWR POB 67 GREEN RIVER WY 82935 14160006

74E0 US FISH AND WILDLIFE SERVICE MALHEUR NWR POB 245 PRINCETON OR 97721 14160006

74F0 US FISH AND WILDLIFE SERVICE 3425 MIRIAM AVENUE BISMARCK ND 58501-2096 BISMARCK  
ND 58501-2096 14160006

74G0 US FISH AND WILDLIFE SERVICE GREAT DISMAL SWAMP NWR 3100 DESERT RD SUFFOLK VA  
23434 14160006

74J0 US FISH AND WILDLIFE SERVICE STAFF ASSISTANT-JOB CORPS UNIT 18TH & C STREETS NW  
MS 850-ARLSQ WASHINGTON DC 20240 14160006

74K0 US FISH AND WILDLIFE SERVICE LANDER FISH & WILDLIFE MANAGEMENT 170 NORTH FIRST  
STREET LANDER WY 82520-2836 14160006

74L0 US FISH AND WILDLIFE SERVICE NATIONAL ELK REFUGE POB 510 JACKSON WY 83001-0510  
14160006

74M0 US FISH AND WILDLIFE SERVICE MIGRATORY BIRD MANAGEMENT NORTH 1412 AIRPORT  
WAY FAIRBANKS AK 99701 14160006

74N0 US FISH AND WILDLIFE SERVICE INNOKO NWR POB 69 MCGRATH AK 99627 14160006

74P0 US FISH AND WILDLIFE SERVICE SELAWIK NWR POB 270 KOTZEBUE AK 99752 14160006

74Q0 US FISH AND WILDLIFE SERVICE YUKON FLATS NWR 101 12TH AVE-RM 262-ADMIN OFFICER  
FAIRBANKS AK 99701 14160006

74R0 US FISH AND WILDLIFE SERVICE IROQUOIS NWR 1101 CASEY RD BASON NY 14013-9730  
14160006

74T0 US FISH AND WILDLIFE SERVICE BECHAROF NWR POB 277 KING SALMON AK 99613 14160006

74U0 US FISH AND WILDLIFE SERVICE TOGIAC NWR POB 270 DILLINGHAM AK 99576 14160006

74V0 US FISH AND WILDLIFE SERVICE NISQUALLY NWR COMPLEX 100 BROWN FARM RD  
OLYMPIA WA 98516 14160006

74X0 US FISH AND WILDLIFE SERVICE DON EDWARDS SAN FRANCISCO BAY NWR 9500 THORNTON  
AVENUE NEWARK CA 94560-0524 14160006

74Y0 US FISH AND WILDLIFE SERVICE SAFETY MANAGER 1011 E TUDOR RD ANCHORAGE AK 99503  
14160006

7500 US FISH AND WILDLIFE SERVICE REGIONAL DIRECTOR 1011 E TUDOR ROAD ANCHORAGE AK  
99503 14160006

7510 US FISH AND WILDLIFE SERVICE ECO SVCS/REALTY/LAW ENFORCEMENT 6620 SOUTHPOINT  
DR S - SUITE 310 JACKSONVILLE FL 32216-0912 14160006

7520 US FISH AND WILDLIFE SERVICE MIGRATORY BIRD MANAGEMENT 3000 VINTAGE BLVD -  
SUITE 240 JUNEAU AK 99801-7100 14160006

7530 US FISH AND WILDLIFE SERVICE RAPTOR MANAGEMENT 3000 VINTAGE BLVD - SUITE 240  
JUNEAU AK 99801-7100 14160006

7540 US FISH AND WILDLIFE SERVICE REALTY-BRANCH OF WATER RESOURCES 1011 E TUDOR  
ROAD ANCHORAGE AK 99503 14160006

7560 US FISH AND WILDLIFE SERVICE KENAI FISH & WILDLIFE FIELD OFFICE 43655 KALIFORNISKY  
BEACH RD SOLDOTNA AK 99669 14160006

7570 US FISH AND WILDLIFE SERVICE ASST REG DIRECTOR ENHANCEMENT 1011 E TUDOR ROAD  
ANCORAGE AK 99503 14160006

7580 US FISH AND WILDLIFE SERVICE SOUTHEAST AK ECOLOGICAL SERVICES 3000 VINTAGE  
BLVD - SUITE 201 JUNEAU AK 99801-7100 14160006

7590 US FISH AND WILDLIFE SERVICE ECOLOGICAL SERVICES ANCHORAGE 605 W 4TH RM 62  
ANCHORAGE AK 99501 14160006

75A0 US FISH AND WILDLIFE SERVICE DMBM EASTSIDE FEDERAL COMPLEX 911 NE 11TH AVENUE  
PORTLAND OR 97232-4181 14160006

75C0 US FISH AND WILDLIFE SERVICE KANUTI NWR - ROOM 262 101 12TH AVE - ELEANORE  
PATTERSON FAIRBANKS AK 99701 14160006

75E0 US FISH AND WILDLIFE SERVICE RESEARCH 101 12TH AVE BOX 20 FAIRBANKS AK 99701  
14160006

75F0 US FISH AND WILDLIFE SERVICE UPPER MISSISSIPPI RIVER NWR 555 LESTER AVENUE  
ONALASKA WI 54650 14160006

75H0 US FISH AND WILDLIFE SERVICE MERRITT ISLAND NWR - RAY FARINETTI POB 6504  
TITUSVILLE FL 32780-6504 14160006

75J0 US FISH AND WILDLIFE SERVICE NOWITNA NWR POB 287 GALENA AK 99747 14160006

75L0 US FISH AND WILDLIFE SERVICE SOUTHEAST IDAHO REFUGE COMPLEX 4425 BURLEY DRIVE  
SUITE A CHUBBUCK ID 83202 14160006

75M0 US FISH AND WILDLIFE SERVICE CONTRACTING GENERAL SVCS 300 WESTGATE CENTER  
DRIVE HADLEY MA 01035-9589 14160006

75N0 US FISH AND WILDLIFE SERVICE ALASKA MARITIME NWR 95 STERLING HIGHWAY SUITE 1  
HOMER AK 99603 14160006

75P0 US FISH AND WILDLIFE SERVICE ECOLOGICAL SERVICES 1387 S VINNELL WAY RM 368BOISE  
ID 83709 14160006

75R0 US FISH AND WILDLIFE SERVICE SACRAMENTO NWR 752 COUNTY RD 99W WILLOWS CA  
9598814160006

75T0 US FISH AND WILDLIFE SERVICE DEVILS LAKE WMD POB 908DEVILS LAKE ND 58301-0908  
14160006

75Y0 US FISH AND WILDLIFE SERVICE BOMBAY HOOK NWR 2591 WHITEHALL NECK RD SMYRNA  
DE 19977 14160006

7610 US FISH AND WILDLIFE SERVICE MARINE MAMMALS MANAGEMENT 1011 E TUDOR RD ANCHORAGE AK 99503 14160006  
7620 US FISH AND WILDLIFE SERVICE FISH & WILDLIFE FIELD OFFICE 101 12TH AVE BOX 19 - ROOM 110 FAIRBANKS AK 99701 14160006  
7630 US FISH AND WILDLIFE SERVICE LE-SAC-ANCHORAGE 1011 E TUDOR ROAD ANCHORAGE AK 99503 14160006  
7640 US FISH AND WILDLIFE SERVICE LE-SRA-ANCHORAGE 1011 E TUDOR ROAD ANCHORAGE AK 99503 14160006  
7670 US FISH AND WILDLIFE SERVICE LE-SA-NOME 1011 E TUDOR ROAD ANCHORAGE AK 99503 14160006  
7680 US FISH AND WILDLIFE SERVICE REALTY SERVICES 1011 E TUDOR ROAD ANCHORAGE AK 99503 14160006  
7690 US FISH AND WILDLIFE SERVICE ALEUTIAN ISLANDS UNIT POB 5251 ADAK AK 99546-5251 14160006  
76C0 US FISH AND WILDLIFE SERVICE KING SALMON FAO POB 277 KING SALMON AK 99613-0277 14160006  
76E0 US FISH AND WILDLIFE SERVICE GRIZZLY BEAR RECOVERY OFFICE U OF MONTANA-U HALL-ROOM 309 MISSOULA MT 59812 14160006  
76K0 US FISH AND WILDLIFE SERVICE MONTANA FISH & WILDLIFE CENTER 780 CRESTON HATCHERY RD KALISPELL MT 59901 14160006  
76M0 US FISH AND WILDLIFE SERVICE IMPERIAL NWR POB 72217 YUMA AZ 85365-2217 14160006  
76N0 US FISH AND WILDLIFE SERVICE CIBOLA NWR RR 2 BOX 138CIBOLA AZ 85328-9801 14160006  
76P0 US FISH AND WILDLIFE SERVICE HAVASU NWR POB 3009 NEEDLES CA 92363-3009 14160006  
76R0 US FISH AND WILDLIFE SERVICE SALTON SEA NWR 906 W SINCLAIR RD CALIPATRIA CA 92233-9744 14160006  
76T0 US FISH AND WILDLIFE SERVICE EDWIN B FORSYTHE NWR GREAT CREEK ROAD - BOX 72 OCEANVILLE NJ 8231 14160006  
76X0 US FISH AND WILDLIFE SERVICE LAW ENFORCEMENT POB 329 ALBUQUERQUE NM 87103 14160006  
76Y0 US FISH AND WILDLIFE SERVICE BENTON LAKE WMD 922 BOOTLEGGERS TRAIL GREAT FALLS MT 59404 14160006  
7700 US FISH AND WILDLIFE SERVICE ARCTIC NATIONAL WILDLIFE REFUGE ATTN: LORNA YOUNG 101 12TH AVENUE ROOM 236 FAIRBANKS AK 99701 14160006  
7710 US FISH AND WILDLIFE SERVICE YUKON DELTA NWR POB 346 BETHEL AK 99559 14160006  
7720 US FISH AND WILDLIFE SERVICE KENAI NWR POB 2139 SOLDOTNA AK 99669 14160006  
7730 US FISH AND WILDLIFE SERVICE KODIAK NWR 1390 BUSKIN RIVER ROAD KODIAK AK 99615 14160006  
7740 US FISH AND WILDLIFE SERVICE IZEMBEEK NWR POUCH 2 COLD BAY AK 99571 14160006  
7750 US FISH AND WILDLIFE SERVICE CHIEF OF REFUGES 1011 E TUDOR ROAD ANCHORAGE AK 99503 14160006  
7770 US FISH AND WILDLIFE SERVICE MISSISQUOI NWR 371 N RIVER STREET SWANTON VT 548814160006  
7790 US FISH AND WILDLIFE SERVICE INTERIOR BLDG RM 565 WASHINGTON DC 20242 WASHINGTON DC 20242 14160006  
77A0 US FISH AND WILDLIFE SERVICE 517 SOUTH BUCHANAN MOSES LAKE WA 98837 MOSES LAKE WA 98837 14160006  
77C0 US FISH AND WILDLIFE SERVICE SANDHILL CRANE NWR 7700 CRANE LANE GAUTUR MS 39553 14160006  
77E0 US FISH AND WILDLIFE SERVICE ECO SVCS CCSU CAMPUS BOX 3386300 OCEAN DR CORPUS CHRISTI TX 78412 14160006  
77F0 US FISH AND WILDLIFE SERVICE LOXAHATCHEE NWR 10216 LEE ROAD BOYNTON BEACH FL 33437-4796 14160006  
77G0 US FISH AND WILDLIFE SERVICE LAW ENFORCEMENT 300 WESTGATE CENTER DRIVE

HADLEY MA 01035-9589 14160006  
77H0 US FISH AND WILDLIFE SERVICE TETLIN NWR POB 779 TOK AK 99780-0779 14160006  
77J0 US FISH AND WILDLIFE SERVICE GREAT SWAMP NWR 152 PLEASANT PLAINS RD BASKING  
RIDGE NJ 7920 14160006  
77L0 US FISH AND WILDLIFE SERVICE SNAKE RIVER BASIN OFFICE 1387 VINNELL WAY RM  
368BOISE ID 83709 14160006  
77M0 US FISH AND WILDLIFE SERVICE SOUTH DAKOTA STATE OFFICE FWE 420 S GARFIELD AVE  
STE 400 PIERRE SD 57501 14160006  
77P0 US FISH AND WILDLIFE SERVICE KLAMATH BASIN NWR 4009 HILL RD TULELAKE CA 96134  
14160006  
77T0 US FISH AND WILDLIFE SERVICE PATUXENT WRC DR HR PERRY MAUNA LOA FS  
ENDANGERED SPECIES LAUREL MD 2070814160006  
77W0 US FISH AND WILDLIFE SERVICE PATUXENT WRC DR HR PERRY MAUI FS ENDANGERED  
SPECIES LAURAL MD 2070814160006  
77X0 US FISH AND WILDLIFE SERVICE COLUMBIA NWR DRAWER F OTHELLO WA 99344 14160006  
7830 US FISH AND WILDLIFE SERVICE OKEFENOKEE NWR 2700 SUWANNE CANAL ROAD  
FOLKSTON GA 31537 14160006  
7850 US FISH AND WILDLIFE SERVICE ECOLOGICAL SERVICES 2321 W ROYAL PALM -SUITE 103  
PHOENIX AZ 85021-4951 14160006  
7870 US FISH AND WILDLIFE SERVICE GREEN BAY ES FIELD OFFICE 2661 SCOTT TOWER DRIVE  
NEW FRANKEN WI 54229 14160006  
7880 US FISH AND WILDLIFE SERVICE MIGRATORY BIRD MANAGEMENT PATUXENT WRC LAUREL  
MD 2070814160006  
7890 US FISH AND WILDLIFE SERVICE PIEDMONT NWR 718 JULIETTE RD ROUND OAK GA 31038-  
2821 14160006  
78A0 US FISH AND WILDLIFE SERVICE US FISH AND WILDLIFE SERVICE HCR 38 BOX 700 LAS  
VEGAS NV 89124 14160006  
78C0 US FISH AND WILDLIFE SERVICE WILLAPA NWR 3888 SR 101 ILWACO WA 98624 14160006  
78F0 US FISH AND WILDLIFE SERVICE DESERT NWR 4701 N TORREY PINES DRIVE LAS VEGAS NV  
89130-2301 14160006  
78G0 US FISH AND WILDLIFE SERVICE SOUTHEAST IDAHO NWR COMPLEX 4425 BURLEY DRIVE  
SUITE A CHUBBUCK ID 83202-1923 14160006  
78H0 US FISH AND WILDLIFE SERVICE NORTHEAST FIELD OFFICE 70 COMMERCIAL ST SUITE 300  
CONCORD NH 03301-5087 14160006  
78J0 US FISH AND WILDLIFE SERVICE MOOSEHORN NWR RR 1 BOX 202 SUITE 1 BARRING ME 04694-  
9703 14160006  
78K0 US FISH AND WILDLIFE SERVICE RUBY LAKE NWR HC 60 BOX 860 RUBY VALLEY NV 89833  
14160006  
78M0 US FISH AND WILDLIFE SERVICE SERVICE AVIATION MANAGER 500 GOLD AVENUE SW -  
ROOM 3510 ALBUQUERQUE NM 87102 14160006  
78N0 US FISH AND WILDLIFE SERVICE STILLWATER NWR 1000 AUCTION RD FALLON NV 89406-2613  
14160006  
78P0 US FISH AND WILDLIFE SERVICE BOGUE CHITTO NWR 61389 HIGHWAY 434 LACOMBE LA  
70445-2667 14160006  
78R0 US FISH AND WILDLIFE SERVICE ECOLOGICAL SERVICES FIELD STATION 315 S ALLEN SUITE  
322 ST COLLEGE PA 16801 14160006  
78T0 US FISH AND WILDLIFE SERVICE ARCATA FISH & WILDLIFE OFFICE 1655 HEINDON RD  
ARCATA CA 95521 14160006  
78X0 US FISH AND WILDLIFE SERVICE JULIA BULTER HANSEN NWR POB 566 CATHLAMET WA  
98612 14160006  
7910 US FISH AND WILDLIFE SERVICE MIGRATORY BIRD MANAGEMENT 4401 N FAIRFAX DRIVE  
MBSP-4107 ARLINGTON VA 22203 14160006

7920 US FISH AND WILDLIFE SERVICE REGION 3 REFUGES FEDERAL BLDG FORT SNELLING TWIN  
CITIES MN 55111 14160006  
Billee Code AgencyAgency TitleAddressCityStateZipALC  
7930 US FISH AND WILDLIFE SERVICE POB 25486 DENVER CO 80225-0486 DENVER CO 80225-0486  
14160006  
7940 US FISH AND WILDLIFE SERVICE SANTEE NWR 2125 FT WATSON RD SUMMERTON SC  
2914814160006  
7960 US FISH AND WILDLIFE SERVICE SAN ANDRES NWR 5686 SANTA GERTRUDIS DRIVE LAS  
CRUCES NM 88012 14160006  
7980 US FISH AND WILDLIFE SERVICE ALASKA PENINSULA NWR POB 277 KING SALMON AK 99613  
14160006  
79C0 US FISH AND WILDLIFE SERVICE KEY WEST NWR 28950 WATSON BOULEVARD BIG PINE KEY  
FL 33043 14160006  
79E0 US FISH AND WILDLIFE SERVICE CHINCOTEAGUE NWR POB 62 CHINCOTEAGUE VA 23336  
14160006  
79F0 US FISH AND WILDLIFE SERVICE PATUXENT WILDLIFE MIGRATORY BIRD SECTION  
VICKSBURG MS 39180 14160006  
79G0 US FISH AND WILDLIFE SERVICE WICHITA MOUNTAIN NWR RT 1 BOX 448INDIAHOMA OK  
73552 14160006  
79H0 US FISH AND WILDLIFE SERVICE WILLAMETTE VALLEY NWR COMPLEX 26208 FINLEY  
REFUGE ROAD CORVALLIS OR 97333 14160006  
79J0 US FISH AND WILDLIFE SERVICE KERN NWR POB 670 DELANO CA 93316 14160006  
79K0 US FISH AND WILDLIFE SERVICE NISQUALLY NWR 100 BROWN FARM ROAD OLYMPIA WA  
98506 14160006  
79M0 US FISH AND WILDLIFE SERVICE VENTURA FIELD OFFICE 2493 PORTOLA RD SUITE B  
VENTURA CA 93003 14160006  
79P0 US FISH AND WILDLIFE SERVICE SAN LUIS NWR POB 2176 LOS BANOS CA 93635 14160006  
79T0 US FISH AND WILDLIFE SERVICE CARIBBEAN FIELD OFFICE POB 491 BOQUERON 622 14160006  
79X0 US FISH AND WILDLIFE SERVICE ECOLOGICAL SERVICES FIELD OFFICE PO DRAWER 1190  
DAPHNE AL 36526 14160006  
79Y0 US FISH AND WILDLIFE SERVICE ST MARKS NWR POB 68ST MARKS FL 32355 14160006  
8030 DEPARTMENT OF THE INTERIOR ASSISTANT TO THE SECRETARY 1689 C STREET SUITE 100  
ANCHORAGE AK 99501 14010001  
8050 BUREAU OF RECLAMATION POB 61470 BOULDER CITY NV 89006-1470 BOULDER CITY NV  
89006-1470 14060905  
8070 BUREAU OF RECLAMATION 2800 COTTAGE WAY SACRAMENTO CA 95825 SACRAMENTO CA  
95825 14060905  
8090 NATIONAL PARK SERVICE-PARK POLICE ATTN: LT MICHAEL LIBBY 1100 OHIO DR SW ROOM  
176 WASHINGTON DC 20242 14100099  
8100 BUREAU OF RECLAMATION YUMA AREA OFFICE 7301 CALLE AGUA SALADA YUMA AZ 85364  
14060905  
8120 BUREAU OF RECLAMATION GREAT PLAINS REGION POB 36900 - GP 3300 BILLINGS MT 59107-  
6900 14060905  
8130 OFFICE OF SURFACE MINING 1951 CONSTITUTION AVE NW ROOM 233 SO BLDG WASHINGTON  
DC 20240 14180001  
8160 BUREAU OF RECLAMATION ATTN: Geoffery Shanen POB 61470 BOULDER CITY NV 89006-1470  
14060905  
8190 DEPARTMENT OF THE INTERIOR OFFICE OF THE SOLICITOR 18TH & C STREETS - ROOM 6110  
WASHINGTON DC 20240 14010001  
8200 DEPARTMENT OF THE INTERIOR OFFICE OF THE SOLICITOR 4230 UNIVERSITY DR STE 300  
ANCHORAGE AK 99508-4626 14010001  
8250 OFFICE OF SURFACE MINING DENVER FIELD DIVISION 1999 BROADWAY SUITE 3320 DENVER  
CO 80202 14180001

8260 OFFICE OF SURFACE MINING KNOXVILLE FIELD OFFICE 530 GAY STREET SW SUITE 500  
KNOXVILLE TN 37902 14180001

8270 OFFICE OF SURFACE MINING 1027 VIRGINIA ST EAST CHARLESTON WV 25301-2816  
CHARLESTON WV 25301-2816 14180001

8280 BUREAU OF RECLAMATION ATTN: UC 865 125 S STATE STREET SLC UT 84138-1102 14060905

8290 BUREAU OF RECLAMATION ATMOSPHERIC RESEARCH MANAGEMENT DFC POB 25007 BLDG  
67 ROOM 878DENVER CO 80225 14060905

8330 DEPARTMENT OF THE INTERIOR OFFICE OF THE SOLICITOR 550 W FORT STREET - BOX 020  
BOISE ID 83724 14010001

8340 DEPARTMENT OF THE INTERIOR OFFICE OF THE SECRETARY 2800 COTTAGE WAY W-2400  
SACRAMENTO CA 95825 14010001

8360 OFFICE OF SURFACE MINING MINTON-CAPEHART FEDERAL BUILDING 575 N PENNSYLVANIA  
RM 301 INDIANAPOLIS IN 46204 14180001

8460 BUREAU OF RECLAMATION 705 PENDELL BLVD MILLS WY 82644 MILLS WY 82644 14060905

8470 DEPARTMENT OF THE INTERIOR OFFICE OF THE INSPECTOR GENERAL 18TH & C STREETS NW  
- ROOM 5354 WASHINGTON DC 20240 14010001

8480 BUREAU OF RECLAMATION ASC ACCOUNTING OPERATIONS POB 25007 DFC DENVER CO  
80225-0007 14060905

8490 BUREAU OF RECLAMATION BOX 25241 DFC DENVER CO 80225 DENVER CO 80225 14060905

8520 BUREAU OF RECLAMATION OFFICE SERVICES CODE 830 POB 1017 BISMARCK ND 58502  
14060905

8530 BUREAU OF RECLAMATION PHOENIX AREA OFFICE 6150 W THUNDERBIRD RD GLENDALE AZ  
85306-4001 14060905

8540 BUREAU OF RECLAMATION OFFICE OF COMMISSIONER WASHINGTON DC 20240  
WASHINGTON DC 20240 14060905

8550 BUREAU OF RECLAMATION PROPERTY DIVISION D-7910 POB 25007 DENVER CO 80225 14060905

8560 DEPARTMENT OF THE INTERIOR OFFICE OF THE SOLICITOR 2800 COTTAGE WAY  
SACRAMENTO CA 95825 14010001

8570 OFFICE OF SURFACE MINING 2675 REGENCY RD LEXINGTON KY 40503-2922 LEXINGTON KY  
40503-2922 14180001

8580 OFFICE OF SURFACE MINING ATTN ACCTS PAYABLE 135 GEMINI CIRCLE SUITE 215  
BIRMINGHAM AL 35209 14180001

8600 OFFICE OF SURFACE MINING BIG STONE GAP FIELD OFFICE 1941 NEELEY RD #201-16 BIG  
STONE GAP VA 24219 14180001

8620 OFFICE OF SURFACE MINING TULSA FIELD OFFICE 5100 E SKELLY DR SUITE 470 TULSA OK  
74135 14180001

8630 OFFICE OF SURFACE MINING RICHLAND PROFESSIONAL BLDG 334 BLOOMFIELD ST SUITE 104  
JOHNSTOWN PA 15904 14180001

8640 OFFICE OF SURFACE MINING CASPER FIELD OFFICE 100 EAST B ST RM 2128CASPER WY 82601  
14180001

8650 OFFICE OF SURFACE MINING SUITE 1200 505 MARQUETTE AVE SW ALBUQUEQUE NM 87102  
14180001

8660 BUREAU OF RECLAMATION POB 620 CODE 904 GRAND COULEE WA 99133 GRAND COULEE WA  
99133 14060905

8690 BUREAU OF RECLAMATION POB 815 EPHRATA WA 98823-0815 EPHRATA WA 98823-0815  
14060905

8710 BUREAU OF RECLAMATION 203 W SECOND STREET GRAND ISLAND NE 68801 GRAND ISLAND  
NE 68801 14060905

8720 OFFICE OF SURFACE MINING RECLAMATION & ENFORCEMENT 7 NORTH WILKES-BARRE  
SUITE 308WILKES-BARRE PA 18702-5293 14180001

8730 OFFICE OF SURFACE MINING COLUMBUS FIELD OFFICE 4480 REFUGEE RD SUITE 201  
COLUMBUS OH 43232 14180001

8740 BUREAU OF RECLAMATION 4 RECLAMATION RD CODY WY 82414-8700 CODY WY 82414-8700

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14060905  
8750 BUREAU OF RECLAMATION BEND FIELD OFFICE SUITE 200 1375 SE WILSON BEND OR 97702-1435 14060905  
8770 BUREAU OF RECLAMATION WATER AUGMENTATION GROUP POB 25007 ATTN: D-3720 DENVER CO 80225 14060905  
8800 BUREAU OF RECLAMATION SUITE 630 420 W MAIN STREET OKLAHOMA CITY OK 73102-4435 14060905  
8810 BUREAU OF RECLAMATION TECHNICAL SERVICE CENTER POB 25007 - D-8210 DENVER CO 80225 14060905  
8820 OFFICE OF SURFACE MINING BUREAU SAFETY MANAGER 3 PARKWAY CENTER PITTSBURGH PA 15220 14180001  
8830 BUREAU OF RECLAMATION ADMIN SERVICE CENTER-MGMT SERVICES 7301 W MANSFIELD AVE D-2900 DENVER CO 80235 14060905  
8840 BUREAU OF RECLAMATION ATTN: DIANA MULLIGAN POB 25007 D-7810 DENVER CO 80225 14060905  
8850 BUREAU OF RECLAMATION CENTRAL CALIFORNIA AREA OFFICE 7794 FOLSOM DAM RD FOLSOM CA 95630 14060905  
8860 BUREAU OF RECLAMATION BUREAU OF RECLAMATION 1849 C STREET NW WASHINGTON DC 20240 14060905  
8870 BUREAU OF RECLAMATION D-7600 POB 25007 DENVER CO 80225-0007 14060905  
8880 BUREAU OF RECLAMATION D-8430 POB 25007 DENVER CO 80225-0007 14060905  
8890 BUREAU OF RECLAMATION D-7000 POB 25007 DENVER CO 80225-0007 14060905  
8910 OFFICE OF SURFACE MINING DIVISION OF FINANCIAL MANAGEMENT BOX 25065 DFC DENVER CO 80225-0065 14180001  
8920 BUREAU OF RECLAMATION D-7733 POB 25508 DENVER CO 80225-0508 14060905  
8930 BUREAU OF RECLAMATION POB 25007 D-4800 DFC DENVER CO 80225-0007 DENVER CO 80225-0007 14060905  
8940 OFFICE OF SURFACE MINING ROOM 222 SIB 1952 CONSTITUTION AVE NW WASHINGTON DC 20240 14180001  
8960 BUREAU OF RECLAMATION POB 640 CARSON CITY NV 89702 CARSON CITY NV 89702 14060905  
8970 BUREAU OF RECLAMATION ATTN: LC-3311 POB 61470 BOULDER CITY NV 89006-1470 14060905  
8980 BUREAU OF RECLAMATION NORTHERN CALIFORNIA AREA OFFICE 16349 SHASTA DAM BOULEVARD SHASTA LAKE CA 96019 14060905  
8990 BUREAU OF RECLAMATION ATTN: DEBBIE GRIEGO 505 MARQUETTE NW STE 1313 ALBUQUERQUE NM 87102-2162 14060905  
8A00 OFFICE OF SURFACE MINING HARRISBURG FIELD OFFICE 4TH & MARKET STREETS SUITE 3C HARRISBURG PA 17101 14180001