

**South Dakota Science and Technology Authority**

**Board Meeting  
September 23, 2021**



630 East Summit Street  
Lead, SD 57754



**Call to Order—Chairperson Casey Peterson**

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1A. Call Roll

Dr. Ani Aprahamian  
Mr. Dana Dykhouse  
Ms. Pat Lebrun  
Mr. Roger Musick  
Mr. Casey Peterson  
Mr. Ron Wheeler  
Dr. Bob Wilson  
Dr. James Rankin, ex-officio member

1B. Introduce guests

1C. Public comment form (submit forms prior to start of board meeting)

Procedure for Public Comment Periods

Pursuant to SDCL 1-25-1 as amended by House Bill 1172 in the 2018 Legislative Session the procedure for conducting public comment periods during meetings of the South Dakota Science and Technology Authority (SDSTA) shall be as follows:

The chair of the SDSTA shall reserve a period for public comment, limited at the chair's discretion, at each meeting.

Before the beginning of the meeting, all persons who wish to make comments during the comment period shall indicate their desire to do so on a form that will be provided by the Executive Director. The form shall indicate the person's name, city of residence and generally describe the matter or matters on which the person wishes to comment.

The amount of time allocated to each interested person who wishes to make comments will be determined at the chair's discretion at each meeting.  
Comments must be limited to matters which are under the jurisdiction of the SDSTA.

All persons making public comments at meetings of the SDSTA must do so in a manner that maintains civility. Comments which contain offensive language or profanity will not be tolerated.

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**Approve Agenda—Chairperson Casey Peterson**

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Attached is the SDSTA Board agenda for the September 23, 2021 meeting.

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**Recommended Action:**

*Motion to approve agenda as presented.*

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**AGENDA**  
**South Dakota Science and Technology Authority**  
**630 East Summit Street, Lead, South Dakota**  
**Meeting of the Board of Directors**  
**Thursday, September 23, 2021 at 8:00 AM (MT)**

**\*\*Yates Education & Outreach Building Large Conference Room\*\***

**Public (Open) Session: 1-669-900-6833, Meeting ID: 605 722 4022, <https://zoom.us/join>**

SDSTA Mission: *We advance world class science and inspire learning across generations.*

SURFs COVID-19 protocols require all individuals, while on site, to wear a CDC compliant face covering at all times except when the individual is alone in a room. The SDSTA appreciates everyone’s cooperation as we all strive to keep SURF a safe and healthy place to work. **Members of the public are encouraged to join open session by phone.**

**NOTICE: Members of the public may listen to the meeting by calling 1-669-900-6833 and entering Meeting ID code: 605 722 4022. Please mute your phone after joining.**

| Title   | Report                                      | Recommendations  |
|---|---|--|
| 1. Call to order<br>A. Call roll<br>B. Introduce guests<br>C. Request any public comment forms  | -- Chair Casey Peterson                     | <i>Ask if any public comment forms were submitted before the start of the meeting</i>  |
| 2. Approve agenda   | -- Chair Casey Peterson                     | <i>Motion to approve agenda</i>  |
| 3. Approve minutes  | -- Chair Casey Peterson                     | <i>Motion to approve the June 24 and July 29 minutes</i>   |
| 4. Conflict of interest disclosure  | -- Mr. Tim Engel                            | <i>Informational</i>   |
| 5. Conflict of interest disclosure and waiver under SDCL CH. 3-23   | -- Mr. Tim Engel                            | <i>Grant waiver or decline to grant waiver</i>   |
| 6. SURF Foundation<br>A. Foundation status update<br>B. Approval of SURF Foundation Amended By-Laws<br>C. SURF Foundation board member appointments | -- Ms. Staci Miller<br>-- Mr. Dana Dykhouse | <i>6B. Motion to approve SURF Foundation By-Laws amended September 23, 2021, as presented</i><br><i>6C. Motion to approve appointment of new SURF Foundation board members, as presented</i> |

Please do not place or accept cell phone calls during this meeting. A copy of this agenda has been posted in a manner visible to the public at the entrance to the South Dakota Science and Technology Authority office located at 630 East Summit Street, Lead, South Dakota at least 72 hours prior to this meeting. Telephone: (605) 722-8650.

**Annual Meeting of the Board of Directors  
Thursday, September 23, 2021**

- |     |   |   |  |
|-----|---|---|--|
| 7.  | Audit Committee<br>A. Audit Committee Update<br>B. Annual review of Audit Charter   | -- Chair Casey Peterson<br>-- Ms. Pat Lebrun<br>-- Ms. Pat Lebrun | <i>7A. Informational<br/>7B. Review Audit Charter dated June 19, 2014; reference board packet</i>  |
| 8.  | Financial Report<br>A. Financial statements<br>B. SD Investment Council Letter<br>C. FY end inventory listing<br>D. FY end per diem listing | -- Mr. Mike Headley<br>-- Ms. Nancy Geary<br>-- Ms. Nancy Geary   | <i>8B. Motion to approve interest earning accrual at percentage discussed for fiscal year 2022<br/><br/>Motion to accept report as presented</i>   |
| 9.  | Report from Executive Director<br>A. Declarations of Surplus (7)<br>B. SDSTA quarterly update<br>C. LBNF                                    | -- Mr. Mike Headley<br><br>-- Mr. Mike Gemelli                    | <i>Informational<br/>Presentation<br/>Presentation<br/>Motion to accept executive director's report</i>  |
| 10. | Review of SDSTA policies and procedures   | -- Mr. Mike Headley   | <i>Motion to approve New IMS Policy and updated Holidays Policy, Personnel Benefits Policy and Retention Policy as presented</i>   |
| 11. | Executive session<br><i>(closed meeting)</i>  | -- Chair Casey Peterson   | <i>Motion to enter executive session to discuss personnel matters and contractual matters, and to consult with legal counsel concerning contractual and legal matters—SDCL 1-25-2(1), (3), and (4)</i> |
| 12. | Report from executive session   | -- Chair Casey Peterson   | <i>Motion to accept executive session report</i>   |
| 13. | Confirm date and time of next meeting   | -- Chair Casey Peterson   | <i>Next scheduled board meeting: Thu, December 16, 2021 at 9:00 A.M. (MT)—E&amp;O Building Conference Room or join via Zoom</i>  |
| 14. | Public comments   | -- Chair Casey Peterson   |  |
| 15. | Board comments  | -- Chair Casey Peterson   |  |
| 16. | Adjourn   | -- Chair Casey Peterson   | <i>Motion to adjourn</i>   |

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**Annual Meeting of the Board of Directors  
Thursday, June 24, 2021**

**SDSTA Board Member Terms of Service, Committees and Schedule**

| <b>Board Members and Terms of Service</b> |  |                                    |                     |
|---|--|------------------------------------|---------------------|
|   | <b>Board Members</b>                       | <b>Appointed</b>                   | <b>Term Expires</b> |
| 1.  | Dr. Ani Aprahamian                         | Re-appointed December 10, 2015     | December 9, 2021    |
| 2.  | Mr. Dana Dykhouse, Vice-Chair              | Re-appointed August 15, 2020       | August 14, 2026     |
| 3.  | Ms. Patricia Lebrun, Secretary-Treasurer   | Re-appointed August 5, 2016        | August 8, 2022      |
| 4.  | Mr. Roger Musick                           | Appointed September 19, 2018       | August 21, 2022     |
| 5.  | Mr. Casey Peterson, Chair                  | Re-appointed August 25, 2015       | August 8, 2021      |
| 6.  | Mr. Ron Wheeler, Vice-Chair                | Re-appointed April 28, 2020        | April 9, 2025       |
| 7.  | Dr. Robert Wilson                          | August 24, 2015                    | August 8, 2021      |
| 8.  | Dr. James Rankin, <i>ex-officio member</i> | SDSM&T President as of Jan 8, 2018 |                     |
| <b>Committees and Members (2021-2022)</b> |  |                                    |                     |
|   | Audit Committee Members (Sep):             | Nominating Committee Members (Jun) |                     |
|   | ➤ Pat Lebrun-Chair, tbd                    | ➤ Dana Dykhouse                    |                     |
|   | ➤ Dana Dykhouse, tbd                       | ➤ Roger Musick                     |                     |
|   | ➤ Casey Peterson, ex-officio, tbd          |                                    |                     |
| <b>2021 Board Schedule</b>                |  |                                    |                     |
|   | Thursday, March 25 2021                    | 8:00 am (MT)                       | E&O Bldg            |
|   | Thursday, June 24, 2021                    | 8:00 am (MT), annual               | E&O Bldg            |
|   | Thursday, September 23, 2021               | 8:00 am (MT)                       | E&O Bldg            |
|   | Thursday, December 16, 2021                | 9:00 am (MT)                       | E&O Bldg            |

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**Approve Minutes—Chairperson Casey Peterson**

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Attached are the following SDSTA Board Minutes:

- June 24, 2021 annual meeting
- July 29, 2021 telephonic special meeting

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**Recommended Action:**

*Motion to approve the June 24 and July 29, 2021 Minutes as presented.*

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**South Dakota Science and Technology Authority Board of Directors**  
**Meeting Minutes**  
**Thursday, June 24, 2021**  
**Lead, South Dakota**

The Board of Directors of the South Dakota Science and Technology Authority (SDSTA) convened at 8:05 AM Mountain Time (MT) on Thursday, June 24, 2021, in the Education and Outreach (E&O) Building Conference Room at the South Dakota Science and Technology Authority, 630 East Summit Street, Lead, South Dakota. To maintain physical distance due to the COVID-19 pandemic, cloth face masks were required for non-vaccinated participants, and a conference number was posted on the agenda with an invitation for members of the public to participate in the meeting by telephone.

**MEMBERS OF THE BOARD IN ATTENDANCE**

Vice Chairperson Dana Dykhouse (by phone)  
Secretary/Treasurer Patricia Lebrun (by phone)  
Mr. Roger Musick (by phone)  
Chairperson Casey Peterson (in person)  
Vice Chairperson Ron Wheeler (by phone)  
Dr. Robert Wilson (by phone)

**MEMBERS OF THE BOARD ABSENT**

Dr. Ani Aprahamian  
Dr. James Rankin, ex-officio

**SDSTA STAFF PRESENT DURING ALL OR PART OF THE MEETING**

Mr. Alan Brantley, IT Manager/Network Engineer (by phone)  
Mr. Timm Comer, Environmental Manager (in person)  
Mr. Tim Engel, General Counsel (in person)  
Ms. Julie Ewing, ESH Director/Safety & Health Superintendent (in person)  
Ms. Nancy Geary, Chief Financial Officer (in person)  
Ms. Gina Gibson, SURF Artist-in-Residence Coordinator (in person)  
Mr. Pete Girtz, ESH Deputy Director (in person)  
Mr. Mike Headley, Executive Director (in person)  
Dr. Jaret Heise, Science Director (in person)  
Mr. Bill Kelly, Contracts & Procurement Manager (in person)  
Ms. Mandy Knight, Administrative Services Manager (in person)  
Mr. William McElroy, Deputy Director of Operations (in person)  
Ms. Staci Miller, SURF Foundation Director (in person)  
Mr. KC Russell, Cultural Diversity Coordinator (in person)  
Ms. Constance Walter, Communications Director (in person)  
Ms. Natasha Wheeler, Administrative Assistant (in person)  
Ms. Deb Wolf, Education and Public Relations Director/IDEA Program Manager (in person)

**ALSO PRESENT DURING ALL OR PART OF THE MEETING**

Ms. Elizabeth Freer, dialogue LLC Principal and Owner (in person)

## **ITEM 1. CALL TO ORDER**

Vice-Chair Ron Wheeler called the meeting to order at 8:05 AM (MT). Roll call was held. Mr. Dana Dykhouse, Ms. Pat Lebrun, Mr. Roger Musick, Mr. Ron Wheeler and Dr. Bob Wilson were present by phone. Dr. Ani Aprahamian and Dr. Jim Rankin were absent.

Mr. Wheeler asked guests to introduce themselves. Mr. Headley said several meeting guests were present at the meeting to represent their new roles at SDSTA. He introduced the Environment, Safety and Health (ESH) Director Ms. Julie Ewing, ESH Deputy Director Mr. Pete Girtz, Environmental Manager Mr. Timm Comer and IT Director Mr. Alan Brantley.

Mr. Wheeler said if anyone from the audience had any questions or comments for the board to address, to please complete the public comment form located at the sign-in table and time will be given at the end of the agenda to discuss. Ms. Knight confirmed no comment forms were submitted.

## **ITEM 2. APPROVE AGENDA**

Mr. Wheeler asked if there were any modifications to the agenda. Mr. Engel said Agenda Item No. 11, Pollution Liability Insurance Renewal, need not be discussed. Mr. Wheeler asked for a motion to approve the agenda with Agenda Item No. 11 removed.

*Motion by Mr. Dykhouse and seconded by Mr. Musick to approve the agenda as presented, but with Agenda Item No. 11 removed. Motion passed unanimously by roll call vote.*

*Chairperson Peterson arrived at 8:07 AM.*

## **ITEM 3. APPROVE MINUTES**

Chairperson Peterson asked for any comments on the March 25, 2021 Minutes. Hearing none, he asked for a motion to approve the minutes.

*Motion by Mr. Musick and seconded by Mr. Wheeler to approve the March 25, 2021 minutes as presented. Motion passed unanimously by roll call vote.*

## **ITEM 4. GENERAL CONFLICT OF INTEREST DISCLOSURE**

SDSTA General Counsel Mr. Tim Engel invited members of the board to disclose anything that might be construed to be a conflict of interest with respect to items under consideration at today's meeting.

Mr. Engel said his law firm works with the Office of Risk Management of the State of South Dakota; therefore, he has not been involved in the negotiation of the FY2022 Intergovernmental Agreement, and will not participate in the discussion of the agreement, Agenda Item No. 15, in today's meeting.

No other conflicts of interest were disclosed.

## **ITEM 5. DISCLOSURES AND WAIVER UNDER SDCL CH. 3-23**

Mr. Engel said he contacted all board members before the June 24, 2021, board meeting and asked them to make any disclosures required by SDCL CH. 3-23. He said no disclosures were reported. He also noted that annual disclosures concerning contracts with the state and political subdivisions will be due at the September 23, 2021, board meeting.

## **ITEM 6. SURF FOUNDATION**

### **ITEM 6A. FOUNDATION STATUS UPDATE**

Ms. Miller reiterated the four key areas of impact of the SURF Foundation – the SURF Institute, Inspiring Future Students, Beyond the Classroom – Into the Community, and United in One Space. Reviewing SURF Foundation goals, she said a one-year goal, by September 29, 2021, is to have the

scope of the SURF Institute defined, with a campaign outlined and a nationwide marketing plan launched. In the next three years, goals include having the full SURF Foundation board in place, the scope of the SURF Institute complete with a building campaign developed and a design underway, a completely funded and built ethnobotanical garden, and a full SURF and SURF Foundation national marketing campaign launched, resulting in a nationwide constituency. In the long term, Ms. Miller said the Foundation's goal is to have the SURF Institute fully constructed and operational with compelling, vibrant science and education programs by 2035.

Ms. Miller said the mission of the SURF Foundation is supporting the advancement of world class science and inspiring learning across generations. She said some of the major accomplishments in the last year include the following: the completion of the first half of the Sacred Circle Garden campaign, helping to support 250 teachers during the Education and Outreach (E&O) development program, helping to support eight interns in 2020 and seven interns in 2021, growing a constituent base from 14 to 75 donors in 12 months, providing STEM holiday backpacks to 145 K-12 students, achieving a Gold Seal of approval from GuideStar, and supporting the first-ever virtual Neutrino Day, which drew 4,813 views from 21 different countries in 2020. She said the SURF Foundation will also be supporting the upcoming 2021 Neutrino Day: Star Chronicles!

Ms. Miller introduced four new potential board members to the SURF Foundation Board, to be voted on in today's June 24, 2021, SDSTA Board Meeting (Agenda Item 6C). Ms. Miller recommended program development officer Beth Massa, biologist and lawyer Aurelia Skipwith, former Department of Energy Office of Science Director Chris Fall, and high-energy physics professor Bob Wilson. The four candidates were approved by the members of the SURF Foundation board at their June 9, 2021 meeting.

#### **ITEM 6B. APPROVAL OF SURF FOUNDATION AMENDED BY-LAWS**

After Staci Miller presented bios of the SURF Foundation slate of nominees, Mr. Engel said a proposed change to the SURF Foundation by-laws in section 2.3, would add a sentence to read, except for ex-officio members, board directors may serve more than one term. He said the existing language is not specific about term limits; the new language clarifies that there are no term limits. Mr. Engel recommended adoption of the change and noted it was approved at the June 9, 2021 SURF Foundation board meeting.

*Motion by Ms. Lebrun and seconded by Mr. Musick to approve the amendment to the SURF Foundation By-Laws as presented. Motion passed unanimously by roll call vote.*

#### **ITEM 6C. SURF FOUNDATION BOARD MEMBER APPOINTMENTS**

Chairperson Peterson asked for a motion to approve the appointment of the new SURF Foundation board members.

*Motion by Mr. Dykhouse and seconded by Mr. Wheeler to approve appointment of new SURF Foundation board members Beth Massa, Aurelia Skipwith, Chris Fall and Bob Wilson, as presented. Motion passed unanimously by roll call vote. Dr. Wilson's vote was in favor of Ms. Massa, Dr. Skipwith, and Dr. Fall; Dr. Wilson abstained as to his own nomination.*

#### **ITEM 6D. INSTITUTE FOR UNDERGROUND SCIENCE AT SURF UPDATE**

Ms. Elizabeth Freer, dialogue, LLC principal, shared the June 2021 Scoping Document Summary Report for the development of a science institute at SURF. She gave a brief overview of the process, with previously completed studies, the scoping study's working group, external reviewers, and an expected report completion date by the end of July 2021.

Ms. Freer described the vision of the institute, which includes a potential location in Lead, South Dakota adjacent to SURF, that would serve as a world-leading center for underground science, engage with the global science community, facilitate long-term planning across STEM-related disciplines, foster collaboration and integration with K-12 and public outreach learning opportunities, lead advancement of Inclusion, Diversity, Equity and Access (IDEA) in science and science education, and provide an exemplary visitor experience to encourage repeat participation.

Ms. Freer said recommendations for governance of the institute include the following: to establish the Institute as a part of SDSTA, to own its own mission statement as a separate entity from SURF operations, obtain funding by working with the nonprofit SURF Foundation, to have an executive director who reports directly to the SDSTA board, and staff members who report to the institute's executive director. Ms. Freer also made several other recommendations about governance and suggested specific programs that would be housed as appropriate under SURF operations or the institute.

Ms. Freer recommended several advisory committees to include in the project, along with a set of parameters for those committees, including to advise on international science strategy, science planning, IDEA concepts, and educational goals.

Ms. Freer emphasized the importance of IDEA in the development of the institute, as well as building a strong foundation for an intellectual community. She provided a brief overview of recommendations for a staffing approach to ensure support for a variety of operational departments; science program goals to include long-term community planning, professional development and diverse representation; to facilitate science interaction within the institute and its programs; E&O strategies to carry over from current programming; and facilities, including auditorium and meeting spaces, casual meeting areas, modern technology and guest housing.

Ms. Freer said her recommendations based on the results of the study include researching available options for the institute's location, funding opportunities to hire an institute director who can be involved in the development of the institute, and a strategic plan to define the full scope of the institute, including governance, the facility, programming and fundraising.

## **ITEM 7. AUDIT COMMITTEE**

### **ITEM 7A. ANNUAL APPOINTMENT OF MEMBERS**

Chairperson Peterson reported the appointment of Ms. Lebrun and Mr. Dykhouse to continue to serve on the audit committee and commended their work in that role.

*Motion by Ms. Lebrun and seconded by Mr. Wheeler to approve the appointment of audit committee members as presented. Motion passed unanimously by roll call vote.*

### **ITEM 7B. AUDIT COMMITTEE UPDATE**

Ms. Lebrun said she met with Mr. Dykhouse and Ms. Geary on June 8, 2021 and discussed the Audit Charter. She also requested that Ms. Geary contact SD Legislative Auditor Mr. Al Schaefer to schedule the next audit with the intention it would be ready to submit to the board for review in December.

### **ITEM 7C. ANNUAL REVIEW OF AUDIT CHARTER**

Ms. Lebrun referred to the SDSTA Audit Committee Charter in the board packet and said there is a requirement for the committee to review and update the charter annually. She said she met with Mr. Dykhouse and Ms. Geary and upon review, found no changes to the charter are necessary. She said the committee agrees that the charter meets the needs of SDSTA.



## **ITEM 8. FINANCIAL REPORT**

### **ITEM 8A. FINANCIAL SUMMARIES**

Ms. Geary said there is currently an underrun for actual spending versus budget for the Cooperative Agreement (CA), but a plan is in place to spend those funds. She said two vehicles have been purchased for the SDSTA Operations Department, including one new and one used but in good condition. She said the Maintenance Support Facility is almost complete. The last invoice to close out construction with Dean Kurtz Construction has been received, but there is still additional outfitting to be completed, including a forklift and an air compressor. Mr. Headley said, due to long lead times on some materials due to COVID, SDSTA requested an extension, through the end of September, on spending for the second Future Fund grant that was awarded for the building; approval is pending.

*Motion by Mr. Dykhouse and seconded by Mr. Musick to accept financial report as presented. Motion passed unanimously by roll call vote.*

### **ITEM 8B. FY2022 BUDGET**

Ms. Geary referred to the FY2022 budget included in the board packet and noted a few items that have changed categories to better reflect current uses of funds. She said compared to last year's budget, FY2022 includes a small decrease to the board of directors funding, an increase to the executive office funding, a slight increase to federal funding, and an increase in full time employee funding. Ms. Geary said CA funding is slightly lower, regular operations and Ross funding is higher, and Infrastructure Improvement Project funding is lower. She said there is a decreasing in funding for LZ, SIGMA-V has an insignificant change, Fermilab Ross logistics support is included but Ross rehabilitation work is expected to be done by the end of July, and Fermilab engineering support has decreased. Ms. Geary said MAJORANA, Thyssen Mining, and RESPEC are paying small leases to SDSTA, and CAT will pay SDSTA \$100,000.00 worth of support. Ms. Geary said there will also be a small increase in indirect costs.

*Motion by Ms. Lebrun and seconded by Mr. Wheeler to approve FY2022 budget as presented. Motion passed unanimously by roll call vote.*

## **ITEM 9. REPORT FROM EXECUTIVE DIRECTOR**

### **ITEM 9A. DECLARATIONS OF SURPLUS (5)**

Mr. Headley said five pieces of equipment will be surplus, which include an Aurora generator that is no longer safe to use, a Troll 9500 water sampler that is no longer used at the Waste Water Treatment Plant, a Greenlee Bros table saw that is no longer safe to use, a Spinpro 200gpm Seepex Pump and assembly that is no longer operable and is not cost effective to repair, and a Lull 54-foot telescopic forklift that is inoperable and not cost effective to repair.

### **ITEM 9B. SDSTA QUARTERLY UPDATE**

Mr. Headley said SURF transitioned to minimal essential operations on March 25, 2020, due to the COVID pandemic but quickly returned to 24/7 surface and underground operations with safety controls in place. He said SURF has maintained sufficient personal protective equipment (PPE) supplies and is currently encouraging staff to get vaccinations, including the offer of a \$100 bonus to SDSTA staff who receive a full course of vaccine.

Mr. Headley said SDSTA support of LBNF construction is on track, including Ross Shaft refurbishment, upgrading and commissioning of the Ross hoists, transporting large equipment and materials underground in, or slung under, the Ross cage, and relocation of non-DUNE experiments located at the Ross 4850L. Mr. Headley said the SURF Operations CA between the DOE Office of

Science and SDSTA is in its second year of execution, with a strong relationship in place. He said infrastructure improvements are modernizing the facility and increasing the reliability to support construction and science, both now and in the future, including an update to Yates Complex waterlines. Mr. Headley said LZ dark matter experiment operations are scheduled to begin in mid-2021, with operations continuing for a five-year period.

Mr. Headley said a new ventilation borehole is being drilled to increase air flow for blasting and construction activities, as well as for heat regulation when keeping liquid argon, nitrogen, and xenon cold for experiments on the 4850L. He said the borehole will connect the 4850L with the 3650L, allowing air to ventilate through the Oro Hondo shaft, facilitated by the Oro Hondo fan, to the surface. Mr. Headley shared photos and a video model to illustrate how a raise bore machine operates to create the 12-foot diameter borehole.

Mr. Headley said the rock conveyor system is now operational and the first rock has been transported to the Open Cut. He said Ross hoist upgrades are also complete, including modernizing the 1930s controls that were previously in place, adding climate-controlled cabs at the operator stations, and updating to new motors and brakes.

Mr. Headley said the new 26,000 square-foot Operations Center (Maintenance Support Facility) was completed in May 2021, with the support of a \$6.5 million commitment from the state of South Dakota. He explained the facility includes a machine shop, warehouse area, and two floors of office space.

Mr. Headley said a recent economic impact study estimates a total impact from SURF-related spending of \$1.064 million between 2020 and 2029, and results of the study are being circulated as positive press throughout the state.

Chairperson Peterson asked about the upcoming determination for locating the next stages of MAJORANA, and Mr. Headley said SURF cannot currently offer enough space for the project within the project's timescale. He said this example along with current discussions about a third generation LZ project underscore the need to find funding to open additional underground space at SURF.

#### **ITEM 9C. IDEA/E&O UPDATE**

Ms. Wolf said describing and defining the level of engagement at SURF is a top priority of the IDEA office. She said a company called Culture Amp has been contracted to survey, analyze, and make recommendations about the current company culture at SURF, and SDSTA will also be partnering with SD Established Program to Stimulate Competitive Research (EPSCoR) to recognize opportunities for improved leadership and culture practices.

Ms. Wolf said the IDEA Office has been supporting the Communications Department and the SURF Foundation to develop the messaging for the Sacred Circle Garden.

Ms. Wolf said there have been several changes in the E&O team, including her own transition to Education and Public Relations Director and IDEA Program Manager, Ms. Nicole Reiner's transition to the E&O Director position, the resignation of science specialist Dr. Becky Bundy, and the hiring of two new science specialists - former chemistry and physics teacher Mr. Chad Ronish and former middle school science teacher Ms. Ashley Armstrong. Ms. Wolf said over 50% of the E&O team has turned over in the past three months, and she's looking forward to seeing where the new team goes.

Ms. Wolf said in May, some face-to-face interactions were able to return to E&O, including a visit from a group of fourth graders from an Oklahoma STEM elementary school and students from the American Indian Services summer camp. She said the creation of virtual field trips created during the pandemic has allowed for additional, equitable access to materials and the E&O team and educators are becoming

more comfortable with virtual learning opportunities. She made mention of the efforts of the E&O team and congratulated them for the work they have accomplished in the last year.

Ms. Wolf said supporting teachers has been a big initiative for the E&O team for the past several years, and in the last year highlights include the SDMath/SDSci program, training with SD EPSCoR and the 3DPD program which combined virtual and face-to-face training.

Ms. Wolf said nine summer interns are at SURF this year, with seven of them supported by SURF and the SURF Foundation and two supported by SD EPSCoR. She said 13 Davis-Bahcall scholars will arrive for an abbreviated program on July 3.

Ms. Wolf said the Communications team has faced challenges over the past year, but successes included: hosting 20 speakers through Deep Talks, creating messaging for the ethnobotanical garden, creating updated content for the Sanford Lab Homestake Visitor Center and promoting SURF's economic impact study.

Ms. Wolf said Neutrino Day will be hosted virtually on July 9 and 10, with keynote speaker Annette Lee, who will address indigenous astronomy and the practice of combining perspectives.

Ms. Wolf closed by thanking the board for their continued support for education, public outreach and the work of the IDEA Office.

#### **ITEM 9D. SURF ARTIST-IN-RESIDENCE UPDATE**

Ms. Gibson, the first Artist-in-Residence (AiR) at SURF in 2019, said she had a unique experience due to COVID, which made her change the way she was thinking as an artist. She said SDSTA is hosting a reception and exhibition at the Lead/Deadwood Arts Center, July 8 from 5:00 – 6:30 PM, featuring new previously shared art, including over 10 presentations, interviews, exhibitions and the SD Governor's 9<sup>th</sup> Biennial Art Exhibition, a competitive, juried and traveling exhibition.

Ms. Gibson is now the AiR Coordinator, and she said the AiR program is a partnership between SURF and Black Hills State University (BHSU); she is also a professor of graphic design. She said a call to artist netted 20 applicants, from all over the world, representing many different kinds of art. She said a committee of SURF and area arts leaders reviewed and ranked the applications and made their recommendations to Mr. Headley. Ms. Gibson said the chosen artist for the 2021 SURF AiR program is Ms. Lee Kang, an assistant professor at Idaho State University who has an MFA from the Rhode Island School of Design, along with coursework from Brown University, Columbia University and Seoul National University. She said Ms. Kang is a multi-media artist with an international exhibition record.

Ms. Gibson said Ms. Kang has already had guided tours of underground and above-ground facilities at SURF and given guest lectures for SURF and BHSU. She said Ms. Kang is scheduled to present her SURF art exhibition in Fall 2021 at the Lead/Deadwood Arts Center, which will provide more community engagement and interest because her work is so unusual.

*Motion by Mr. Dykhouse and seconded by Mr. Musick to accept the executive director's report as presented. Motion passed unanimously by roll call vote.*

#### **ITEM 10. CONVEYANCE OF REAL ESTATE TO CORRECT BOUNDARY**

Mr. Engel said a small tract of land near the Ross hoistroom includes a privately-owned garage encroaching on SDSTA-owned property. It is believed the homeowner had an informal agreement with Homestake to use the property. A request was made to convey the property upon which the garage encroaches to the homeowner. He said SDSTA is proposing to use a quitclaim deed to convey the property, which means SDSTA will convey only the property rights it might own, but without guaranteeing it actually owns the property. Mr. Engel said Homestake was contacted, and no objection

was received, and he recommended the board authorize the signing of the quitclaim deed. Mr. Headley said the property lines are complicated by a road that was abandoned by the city and that the land in question is a small area that does not impact operations at SURF.

*Motion by Ms. Lebrun and seconded by Mr. Musick to authorize the chairperson to sign the quitclaim deed as presented. Motion passed unanimously by roll call vote.*

## **ITEM 11. PLACEHOLDER – POLLUTION LIABILITY INSURANCE RENEWAL**

*Materials were not yet finalized for the Pollution Liability Insurance discussion and Item 11 was removed from the June 24, 2021 board meeting agenda.*

## **ITEM 12. SDSTA POLICIES AND PROCEDURES**

### **ITEM 12A. ANNUAL REVIEW OF P&P**

Mr. Headley said the policy regarding drug and alcohol use has been updated to reflect recent changes to state law allowing for the medical use of marijuana. Mr. Engel said the new medical marijuana law states an employer cannot discriminate against a person for the legal use of medical marijuana, but any employer can prohibit use and possession at the workplace and can prohibit employees from being under the influence of marijuana while on site. If the employer is subject to a federal law that requires a drug-free workplace, the non-discrimination restrictions on employers do not apply. Mr. Engel said SDSTA is subject to the federal drug-free workplace laws due to the CA, and the drug-free workplace laws require SDSTA to “encourage” a drug-free workplace and report workplace violations of the laws. Mr. Engel said his recommendation is to adopt a revision to the pre-employment screening provisions so they no longer disqualify a person from employment with a positive THC result, if that individual can prove they are approved for medical marijuana use, and a revision that says an employee’s positive results do not automatically warrant discipline. Mr. Engel said marijuana possession, and/or being impaired while at work are still prohibited by the updated SDSTA policy. Mr. Engel said future policy updates may be necessary as the current policy plays out and after the SD Supreme Court rules on recreational marijuana.

*Motion by Mr. Wheeler and seconded by Ms. Lebrun to approve updated Alcohol, Controlled Substances and Testing Policy, Tobacco and Vape-free Policy and new Internal Fundraising and Outside Sponsorship Policy as presented. Motion passed unanimously by roll call vote.*

### **ITEM 12B. ANNUAL STATEMENTS AFFIRMING COMPLIANCE WITH FINANCIAL CONFLICT OF INTEREST POLICY**

Mr. Engel asked the board if everyone has signed their annual Conflict of Interest form. Ms. Knight said that all board members have received the forms and she will collect the signed forms from each board member.

*Mr. Dykhouse left the meeting at 10:02 AM.*

## **ITEM 13. EXECUTIVE SESSION**

*Motion by Mr. Musick and seconded by Mr. Wheeler to enter into executive session to discuss personnel matters and to consult with legal counsel concerning legal and contractual matters as permitted by SDCL 1-25-2(1), (3) and (4). Motion passed unanimously by roll call vote.*

*The board recessed at 10:02 AM for a ten-minute break followed by executive session.*

*The board reconvened in open session at 10:47 AM.*

#### **ITEM 14. REPORT FROM EXECUTIVE SESSION**

Chairperson Peterson reported that the board discussed contractual matters and consulted with legal counsel concerning legal and contractual matters. No action was taken.

*Motion by Ms. Lebrun and seconded by Mr. Wheeler to approve the executive session report. Motion passed unanimously by roll call vote.*

#### **ITEM 15. APPROVAL OF FY2022 OFFICE OF RISK MANAGEMENT INTERGOVERNMENTAL AGREEMENT**

Mr. Headley said SDSTA has an agreement with the Office of Risk Management for the annual update to the Intergovernmental Agreement and is presented in the board packet. He requested approval to sign the agreement. Mr. Engel did not participate in the discussion of the agreement.

*Motion by Mr. Musick and seconded by Ms. Lebrun to approve FY2022 Intergovernmental Agreement between the Bureau of Administration, Office of Risk Management of the State of SD and SDSTA and authorize SDSTA executive director to sign agreement. Motion passed unanimously by roll call vote.*

#### **ITEM 16. APPROVAL OF SUPPLEMENT No. 4 TO LBNF TCE AGREEMENT**

Mr. Headley said SDSTA committed to allocating two parking spaces to a homeowner who lives next to the Ross gate as Homestake had previously done. Without the easement, access to the home is problematic. The easement in favor of the homeowner is not clearly excluded from the temporary construction easement with DOE. He said the proposed amendment makes it clear the area covered by the homeowner easement is not included in the temporary construction easement.

*Motion by Mr. Wheeler and seconded by Mr. Musick to approve amendment to the LBNF Temporary Construction Easement and authorize the chairperson to sign Supplemental Agreement No. 4. Motion passed by unanimous roll call vote.*

#### **ITEM 17. REPORT FROM NOMINATING COMMITTEE**

Mr. Musick said he and Mr. Dykhouse discussed nominations as presented by their Nominating Committee Report, included in the board packet. He said the nominations include: Mr. Casey Peterson as chairperson, Mr. Dana Dykhouse as vice-chairperson, and Ms. Pat Lebrun as secretary/treasurer. Mr. Peterson asked for additional nominations and none were made.

#### **ITEM 18. ELECTION OF OFFICERS**

Chairperson Peterson called for a motion to elect the slate of officers recommended by the nominating committee.

*Motion by Mr. Wheeler and seconded by Dr. Wilson to elect Casey Peterson as Chairperson, Dana Dykhouse as Vice Chairperson, and Patricia Lebrun as Secretary/Treasurer. Motion passed unanimously by roll call vote.*

#### **ITEM 19. CONFIRM DATE AND TIME OF NEXT MEETING**

Chairperson Peterson reminded the board of the next meeting, scheduled for Thursday, September 23, 2021 at 8:00 AM (MT) in the E&O Conference room and via Zoom.

#### **ITEM 20. PUBLIC COMMENTS**

Chairperson Peterson said he did not receive any public comment request forms and there were no questions from the audience.

## **ITEM 21. BOARD COMMENTS**

Ms. Lebrun complimented Mr. Headley and Ms. Walter for the fine editorials in the Rapid City Journal and other publications throughout the state.

Mr. Musick said it was a good meeting, it's great to see everything that's happening, and the work over the last two to three years is starting to become more visible.

Mr. Wheeler said Mr. Headley and his team are doing a great job.

Dr. Wilson thanked the board for support on his position as a new board member of the SURF Foundation. He and his son visited SURF in mid-June and drove his electric car, and they had a great time visiting. Dr. Wilson acknowledged the great work done on the scoping document and made note of the clean writing presented in Ms. Freer's scoping report.

Chairperson Peterson reminded members of the board to respond to Ms. Freer's report by July 2, per her email, as needed.

Mr. Headley thanked Ms. Knight and Ms. Wheeler for their assistance with the board meeting, all the staff and the employees who spoke at the meeting, and the board for their confidence in the team and their partnership.

Chairperson Peterson said it was an excellent meeting and he appreciates the team's efforts from the bottom up. He wished everyone a great 4<sup>th</sup> of July.

## **ITEM 22. ADJOURN**

Chairperson Peterson called for a motion to adjourn.

*Motion by Mr. Musick and seconded by Ms. Lebrun to adjourn. Motion passed unanimously by roll call vote.*

**Meeting adjourned at 11:00 AM (MT) on June 24, 2021.**

**South Dakota Science and Technology Authority Board of Directors  
Special Telephonic Meeting Minutes  
Thursday, July 29, 2021  
Lead, South Dakota**

The Board of Directors of the South Dakota Science and Technology Authority (SDSTA) convened at 10:00 a.m. Mountain Time (MT) on Thursday, July 29, 2021, via teleconference. A conference number was posted on the agenda with an invitation for members of the public to participate in the meeting by telephone.

**MEMBERS OF THE BOARD IN ATTENDANCE BY TELEPHONE**

Dr. Ani Aprahamian  
Vice-Chairperson Dana Dykhouse  
Secretary/Treasurer Pat Lebrun  
Mr. Roger Musick  
Chairperson Casey Peterson  
Mr. Ron Wheeler  
Dr. Robert Wilson

**MEMBERS OF THE BOARD ABSENT**

Dr. James Rankin, *ex-officio member*

**SDSTA STAFF IN ATTENDANCE**

Mr. Tim Engel, General Counsel (by phone)  
Mr. Mike Headley, Executive Director  
Ms. Mandy Knight, Administrative Services Manager  
Mr. Will McElroy, Operations Program Manager  
Ms. Constance Walter, Communications Director  
Ms. Natasha Wheeler, Administrative Assistant (by phone)

**ALSO PRESENT DURING THE MEETING**

Ms. Wendy Pitlick, Reporter, Black Hills Pioneer (by phone)  
Mr. Sam Matson, Intern, May, Adam, Gerdes & Thompson, LLP. (by phone)

**ITEM 1. CALL TO ORDER**

**ITEM 1A. DETERMINATION OF A QUORUM**

Vice-Chairperson Dana Dykhouse called the meeting to order at 10:00 a.m. (MT). Vice-Chairperson Dykhouse declared a quorum was present, consisting of board members Dr. Ani Aprahamian, Mr. Dana Dykhouse, Ms. Pat Lebrun, Mr. Roger Musick, Mr. Ron Wheeler and Dr. Bob Wilson. Dr. James Rankin was absent.

**ITEM 1B. INTRODUCE GUESTS (LISTENING POST IN LEAD)**

Vice-Chairperson Dykhouse asked participants to identify themselves. Mr. Mike Headley, Ms. Mandy Knight, Mr. Will McElroy, Ms. Constance Walter and Ms. Natasha Wheeler were present at the listening post in Lead. Mr. Tim Engel, Mr. Sam Matson and Ms. Wendy Pitlick joined by phone.

## **ITEM 1C. PUBLIC COMMENT FORM**

Vice-Chairperson Dykhouse said no public comment forms were submitted before the meeting.

## **ITEM 2. APPROVE AGENDA**

Vice-Chairperson Dykhouse asked for a motion to approve the agenda.

*Motion by Mr. Musick and seconded by Dr. Aprahamian to approve the agenda as presented. The motion passed unanimously.*

## **ITEM 3. GENERAL CONFLICT OF INTEREST DISCLOSURE**

Mr. Engel asked if any member of the board, who feels they have anything that might be construed to be a conflict of interest with respect to matters under consideration by the Board, to disclose it verbally.

No conflicts of interest were disclosed.

## **ITEM 4. APPROVAL OF OFFICIALLY NAMING THE NEW SURF MAINTENANCE SUPPORT FACILITY**

Mr. Headley said SDSTA is proposing to name the new maintenance support facility in honor of Senator M. Michael Rounds. He said the building has been under construction for about a year and is now complete as a 26,000 square foot facility, housing SURF's main warehouse, machine shop and office space for engineering and operations personnel. Mr. Headley said naming the building is a great opportunity to recognize a person who has been a champion for SURF and SDSTA. He said there have been a number of supporters who have played a huge role in the success of SDSTA, including former Governor (now senator) Rounds. Senator Rounds worked with the legislature to establish SDSTA and helped to secure funding for initial operations, helped to secure the Property Donation Agreement, and helped to secure the \$70 Million gift from T. Denny Sanford to kickstart the initial development of SURF. On behalf of the staff of SDSTA, Mr. Headley recommended to the Board of Directors to officially approve the naming of the maintenance support facility as the M. Michael Rounds Operations Center (otherwise known as the "ROC").

Dr. Wilson said the support for building an underground science lab was notable from then Governor Rounds, and it was a strength seen in international discussions that the lab had such high support from the state. He said, when the decision was made to establish SURF, and when the Department of Energy chose the site for the Long-Baseline Neutrino Facility and Deep Underground Neutrino Experiment (LBNF/DUNE), a lot of credit goes to Senator Rounds and the South Dakota state legislature. He said, Senator Rounds continues to show support and to be hugely influential. Dr. Wilson thanked everyone for the opportunity to be involved with the SDSTA board.

Ms. Lebrun said this is one of the more appropriate actions to take by the SDSTA board. She said Senator Rounds was instrumental in getting the lab to South Dakota, and keeping it on track to meet the expectations of not only South Dakotans, but also at the federal level. Ms. Lebrun said the building name is an appropriate recognition of Governor Rounds's support at all levels as the lab became a reality in South Dakota.

Vice-Chairperson Dykhouse said he was there the evening when T. Denny Sanford asked Senator Rounds "what is the next big thing for South Dakota?", and Senator Rounds answered with vision and passion, describing how an underground lab would be the next big deal for South Dakota. Mr. Dykhouse said it certainly has turned out that way, and in his opinion, there is no one more appropriately honored with this naming opportunity.

*Chairperson Peterson joined by phone at 10:05 a.m.*



*Motion by Mr. Wheeler and seconded by Ms. Lebrun to approve naming the new SURF maintenance support facility the M. Michael Rounds Operations Center. The motion passed unanimously.*

**ITEM 5. PUBLIC COMMENTS**

Vice-Chairperson Dykhouse said no requests were made for Public Comment.

**ITEM 6. BOARD COMMENTS**

Vice-Chairperson Dykhouse asked if there were any additional questions or comments from the board. No board comments were made.

Vice-Chairperson Dykhouse said the next regularly scheduled board meeting is Thursday, September 23, 2021, at 8:00 a.m. (MT), at the E&O Building Conference Room and via Zoom.

**ITEM 7. ADJOURN**

*Motion by Dr. Wilson and seconded by Mr. Musick to adjourn. The motion passed unanimously.*

**Meeting adjourned at 10:12 a.m. (MT) on July 29, 2021.**

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**Conflict of Interest Disclosure—Mr. Tim Engel**

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Invite members of the board to disclose anything that might be construed to be a conflict of interest relative to their role on the board.

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**Recommended Action:**  
*Informational.*

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**Disclosures Under SDCL CH. 3-23—Mr. Tim Engel**

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Attached is Ron Wheeler's completed annual conflict of interest disclosure under SDCL CH. 3-23.  
*See suggested motion below.*

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**Recommended Action:**

*5A. Motion to grant waivers or decline to grant waiver for Mr. Ron Wheeler.*

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# State Authorities/Boards/Commissions - Annual Disclosure Form

ANNUAL DISCLOSURE FOR AUTHORITY/BOARD/COMMISSION MEMBER  
PURSUANT TO SDCL CHAPTER 3-23

**THIS IS A PUBLIC DOCUMENT**

Name of Member: Ron W. Wheeler

Name of Board, Authority or Commission: South Dakota Science and Technology Authority

The Member shall disclose below any contract in which the Member has an interest or from which the Member derives a direct benefit if the contract is:

1. With the state agency to which the Member's board, authority or commission is attached for reporting or oversight purposes and which contract requires the expenditure of government funds;
2. With the state and which contract requires the approval of the Member's board, authority or commission and the expenditure of government funds; or
3. With a political subdivision of the state if the political subdivision approves the contract and:
  - a. Is under the regulatory oversight of the authority, board, or commission, or
  - b. Is under the regulatory oversight of the agency to which the Member's board, authority or commission is attached.

The Member shall disclose the contract even though no additional authorization is needed from the Member's board, authority or commission to have an interest or derive a benefit from the contract.

The Member shall also identify every entity in which the Member possesses an ownership interest of five percent or greater if:

1. The entity receives grant money from the State, either directly or by a pass-through grant or
2. The entity contracts with the State or any political subdivision for services.

1. Contracts in which you have an interest pursuant to SDCL Chapter 3-23 and which do not violate any other provision of law - Provide the following for each contract in which you have, or will have, an interest. For further information see SDCL 3-23-2.1 and 3-23-3.1.

| Description of the contract | Parties | Description of your interest/role in the contract | Date contract was previously disclosed; if Applicable |
|-----------------------------|---------|---|---|
|                             |         |   |   |

add row

contract from which you derive, or will derive, a direct benefit. For more information see SDCL 3-23-2, 3-23-2.2 and 3-23-3.1.

| Description of the contract                                      | Parties  | Description of the direct benefit   | Date contract was Authorized     |
|--|--|---|----------------------------------|
| Mr. Wheeler acts as governmental and external affairs consultant | South Dakota Science and Technology Authority and Ron W. Wheeler | Mr. Wheeler is a party to the contract and will be paid fees and expenses | Last addendum authorized 9/18/18 |
|  |  |   |                                  |

add row

3. Entities in which you possess an ownership interest of five percent or more that receive grant money from


the State, either directly or by a pass-through grant, or that contract with the State or any political subdivision for services - Provide the following for each such entity. See SDCL 3-23-3.1.

| Description of the contract or grant | Party in which you possess the interest | State agency or subdivision |
|--------------------------------------|---|-----------------------------|
|                                      |   |                             |

add row

The member shall complete a separate authorization request for any contract identified above that requires

authorization from the Member's board, authority or commission in order for the Member to legally derive a direct benefit.

Signature of Member: \_\_\_\_\_ 

Date: 9/10/21



**SURF Foundation Amended By-Laws—Ms. Staci Miller and Mr. Dana Dykhouse**

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SURF Foundation

6A. Foundation status update.

6B. Approval of SURF Foundation Amended By-Laws. *(see recommended motion below)*

6C. SURF Foundation new board member appointments. *(see recommended motion below)*

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**Recommended Action:**

*6B. Motion to approve SURF Foundation By-Laws amended September 20, 2021, as presented.*

*6C. Motion to approve appointment of new SURF Foundation board members, as presented.*

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# Sanford Underground Research Facility Foundation

Amended  
Bylaws  
(effective ~~June~~ September 23,  
2021)

## ARTICLE I *Purpose*

The purpose of Sanford Underground Research Facility Foundation (the “Corporation”) is to promote scientific opportunities at and through the Sanford Underground Research Facility and the South Dakota Science and Technology Authority through education, service and advocacy.

## ARTICLE II *Board of Directors*

Section 2.1. General Powers: The Board of Directors (“the Board”) shall be responsible for the general governance of the Corporation. The Board has the power to govern the affairs and property of the Corporation in keeping with policies it establishes that define the scope of authority and limitations of the Officers and employees of the Corporation and of the Board.

Section 2.2. Composition and Number of Directors: Board members shall be sought who reflect the qualifications and diversity determined by the Board in its policies. The Board shall consist of at least five (5) and no more than twenty-five (25) members, as determined from time to time by the Board. The sitting Chairperson of the South Dakota Science and Technology and the immediate past Chairperson of the Corporation will serve as voting Directors on an ex officio basis and shall count against the total number of Directors called for by these Bylaws. All Directors, in their capacities as Directors, shall have identical rights and responsibilities.

Section 2.3. Tenure: Except for the initial Board, Directors shall serve a term of three (3) years from the date of taking office. The terms of the initial Board of Directors shall be staggered by the drawing of lots such that the terms of office of all Directors will not all expire at the same time. The initial Board as established in the Articles of Incorporation shall take office at the organizational meeting of the Corporation. Thereafter, unless otherwise directed by the appointing authority, Directors shall take office at the beginning of the Board meeting first occurring after their appointment. Except for Directors serving in an ex officio capacity, Directors may serve more than one term.

Section 2.4. Nomination and Election: The Chairperson of the Board of this Corporation shall appoint a Governance Committee as provided below in section 6.3. Prior to April 1 of each year, the Governance Committee shall present a slate of nominees for open Director positions for consideration by the Board of this Corporation. Prior to the earlier of June 15 or the annual

meeting of the South Dakota Science and Technology Authority, the Board shall from the slate offered by the Governance Committee present to the Board of Directors of the South Dakota Science and Technology Authority a nominee for each open Director position. During its annual meeting, the Board of Directors of the South Dakota Science and Technology Authority shall consider and act on the nominees presented by the Board of this Corporation. If the Board of Directors of the South Dakota Science and Technology Authority does not appoint a person or persons recommended by the Board of this Corporation, the Board of this Corporation shall promptly submit one or more substitute nominees for consideration by the Board of Directors of the South Dakota Science and Technology Authority.

Section 2.5. Vacancies: Any vacancy occurring in the Board of Directors or any position to be filled by reason of an increase in the number of Directors may be filled by the Board of Directors of the South Dakota Science and Technology Authority upon the recommendation of a qualified candidate by the Governance Committee and the Board of this Corporation as provided above in section 2.4. A Director appointed to fill a vacancy shall hold office for the unexpired term of his/her predecessor in office.

Section 2.6. Resignation: A Director may resign at any time by filing a written resignation with the Chair of the Board.

Section 2.7. Removal: The Board may remove any Director (except an ex officio member) for cause by a two-thirds (2/3) vote of all Directors then in office, at any regular or special meeting of the Board, provided that a statement of the reason or reasons shall have been mailed by Registered Mail to the Director proposed for removal at least ten (10) days before any final action is taken by the Board. The proposed removal and statement of reasons must be approved by the Executive Committee. This statement shall be accompanied by a notice of the time when, and the place where, the Board is to take action on the removal. If the circumstances so warrant, the Executive Committee may suspend a Director pending removal. The Director shall be given an opportunity to be heard and the matter considered by the Board at the time and place mentioned in the notice. The decision of the Board is final, although a decision not to remove does not preclude subsequent motions to remove for further or different reasons or upon the discovery of substantial new evidence. No member of the Board has any property right in his or her membership on the Board.

Section 2.8. Reimbursement of Expenses. Directors shall be reimbursed at such rates as are established from time-to-time by United States General Services Administration (“GSA”) for Deadwood/Spearfish, Lawrence County, South Dakota, for necessary expenses, including travel and lodging expenses, incurred in connection with the performance of their duties as Directors. Reasonable and necessary expenses for which GSA has not established a rate will be reimbursed at actual cost upon approval by the Chair or another officer not seeking reimbursement.

**ARTICLE III**  
***Officers of the Board of Directors***

Section 3.1. Positions: There shall be three (3) elected Officers of the Board of Directors: Chair, Vice-Chair, and Secretary-Treasurer, and the office of Immediate Past Chair. The roles

and qualifications of these Officers shall be determined by the Board in its policies.

Section 3.2. Nomination and Election: The Governance Committee shall present a slate of elective Officers to the Board of Directors. The nominated Officers shall be drawn from among the members of the Board of Directors. The election of Officers shall be held at the annual meeting of the Board. The newly elected Officers and the Immediate Past Chair shall take office at the close of the annual meeting.

Section 3.3. Tenure: The term for each Officer shall be one year. The Immediate Past Chair shall serve until the then-serving Chair is no longer in office and becomes the Immediate Past Chair. No elective Officer may hold office for more than two consecutive terms. Partial terms served shall not count against the two consecutive term limit.

Section 3.4. Succession: In cases of a temporary absence of any elected Officer, the succession shall be Vice Chair and then Secretary-Treasurer. In the event of a permanent vacancy in any elected office, the succession shall be the same as noted above for the remaining term of the person succeeded and the Board shall elect a new Secretary-Treasurer to fill the unexpired term of office. If there is a temporary absence of the office of Immediate Past Chair, no temporary replacement will occur. If there is a permanent vacancy in the office of Immediate Past Chair, the Board shall select a replacement from other past Chairs who are still members of the Board; if there are no past Chairs who are still members of the Board, the Board shall select a replacement from the current membership of the Board.

#### **ARTICLE IV** ***Meetings of the Board of Directors***

Section 4.1. Regular and Annual Meeting: The Board shall meet at least once a year before an annual meeting to be held during the month of June, and otherwise as determined by Board policy. Notice shall be given to each Director at least ten (10) days prior to the date of every regular meeting of the Board. Establishment by Board action of the annual Board calendar shall fulfill the requirement for notice.

Section 4.2. Special Meetings: Special meetings of the Board of Directors may be called by the Chair or by a majority of the Board filing a written request for such a meeting with the Chair and stating the object, date, hour, and place thereof. Except in the case of exigent circumstances, written notice of special meetings shall be given seven (7) days prior to such a meeting.

Section 4.3. Quorum: One-half plus one (1) of the Directors then in office shall constitute a quorum for the transaction of business at any regular or special meeting of the Board of Directors, except where otherwise required by these Bylaws. Voting is by a majority unless otherwise specified in these Bylaws.

Section 4.4. Meeting Format: Except as otherwise provided by these Bylaws, the latest version of Roberts Rules of Order, Revised © shall govern.

Section 4.5. Meeting Notice: Notice of all regular and special meetings of the Board, an

agenda of all items to be discussed at such meetings, and agenda support materials shall be delivered to all Directors prior to the meeting. Any Director may waive notice of any meeting. The attendance of a Director at any meeting also shall constitute a waiver of notice of such meeting, except where a Director attends a meeting for the express purpose of objecting to the transaction of any business because the meeting is not lawfully called or convened. Notification may be made through regular mail or electronic transmission.

Section 4.6. Action: Any action required to be taken by the Board of Directors may be taken without a meeting if all Directors consent to said proposed action in writing or by electronic transmission pursuant to SDCL 47-23-6. The writing(s) or electronic transmission(s) shall be filed with the minutes of proceedings of the Board and maintained in the official files.

Section 4.7. Proxy and Alternates: Voting by Directors by proxies shall not be permitted. An absentee Board member may not designate an alternate to represent him or her at a Board meeting.

## **ARTICLE V**

### ***Staff***

The Board of Directors shall have the discretion to appoint a chief executive officer, who may employ staff within a budget established by the Board, and who shall be responsible for carrying out the day-to-day management and operations of the Corporation in accordance with the budget and policies established from time to time by the Board of Directors.

## **ARTICLE VI**

### ***Committees***

Section 6.1. Establishment and Operation of Committees: The Board of Directors shall establish such committees and task forces as it deems advisable to assist with governance, without compromising the Board's authority and in keeping with the policies established by the Board.

Section 6.2. Executive Committee: There is hereby established a standing committee known as the Executive Committee. The membership of the Executive Committee shall consist of the Officers of the Board. When the Board is not in session, the Executive Committee shall have and may exercise all of the powers of the Board except any powers specifically reserved to the Board by resolution of the Board, and except the following powers: to nominate candidates to fill vacancies in the Board; to remove a member of the Board; to appoint, change the membership of, or fill vacancies in any committee appointed by the Board; to adopt, amend, or repeal the Articles of Incorporation or these Bylaws; to amend or repeal any resolution of the Board of Directors which by its express terms is not so amendable or repealable; to fix the compensation of Directors for serving on the Board of Directors or on any committee; to adopt an agreement of merger or consolidation; or to dissolve the Corporation or revoke a determination to dissolve.

Section 6.3. Standing Committees: Standing Committees of the Board of Directors shall be the Executive Committee, Governance Committee, and Audit Committee. These committees

shall operate in accordance with the roles and policies established by the Board. The Governance Committee shall consider and propose changes to the Articles of Incorporation and these Bylaws, propose candidates for open Board and Officer positions, and undertake such other duties and responsibilities as determined by the Board or the Chair. The primary functions of the Audit Committee are to assist the Board with its oversight of the Corporation's financial dealings and to independently review and cause the review of the Corporation's books, records, and financial dealings. The Board shall adopt a charter for the Audit Committee to more specifically establish its role and responsibilities. The Board Chair, in consultation with the chief executive officer, shall appoint committee chairs and committee members annually, except that the person holding the office of Immediate Past Chair shall be the chair of the Governance Committee, and the Secretary-Treasurer may not serve on the Audit Committee.

**ARTICLE VII**  
*Fiscal Year*

The fiscal year of this Corporation shall begin on July 1 and terminate on June 30.

**ARTICLE IX**  
*Indemnification – Insurance*

The Corporation shall indemnify its Directors, officers, employees, and volunteers to the fullest extent permitted by the law of the State of South Dakota. The Corporation shall purchase such directors and officers liability and other insurance as the Board shall deem appropriate.

**ARTICLE X**  
*Amendments*

These Bylaws may be amended at a regular meeting by a majority vote of all Directors then in office, provided that notice of the proposed amendment, together with a copy thereof, shall be distributed to each Director at least fifteen (15) days prior to the meeting at which the amendment is to be considered. An amendment affecting the power of the South Dakota Science and Technology Authority to appoint members of the Board of this Corporation shall be of no force or effect unless ratified by the South Dakota Science and Technology Authority.

**ARTICLE XI**  
*Dissolution*

In the event of the dissolution of this Corporation and after the payment of all debt and return of charitable contributions as appropriate, all assets shall be distributed as provided in the Articles of Incorporation.

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**Report from Audit Committee—Ms. Patricia Lebrun**

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7A. Audit Committee Update—Ms. Patricia Lebrun.

7B. Annual Review of Audit Charter—Ms. Patricia Lebrun, Audit Committee Charter dated June 19, 2014 attached.

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**Recommended Action:**  
*Informational.*

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# **SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY AUDIT COMMITTEE CHARTER**

## **STATEMENT OF MISSION**

The mission of the South Dakota Science and Technology Authority (SDSTA) Audit Committee is to be the pro-active steward for oversight of the financial reporting and disclosure process for SDSTA, including the investigation of claimed breaches of ethics, theft, fraud, embezzlement and reports of whistle-blowers. Our responsibility is to the SDSTA Board of Directors to report independently on the results of the oversight so as to assist in maintaining and enhancing the quality of the financial reporting. The Audit Committee is committed to communication between and among directors, the external auditor and Chief Financial Officer (CFO).

### **A. The Audit Committee has the following responsibilities and duties:**

#### **1. Appointment**

- Annually be appointed by the SDSTA Board of Directors at their annual meeting in June.
- At least one member will be deemed a “financial expert,” as defined by applicable law and regulation.

#### **2. Review**

- Annually review and update this Charter.
- Annually determine the independence of Audit Committee members through a certification by the SDSTA Board of Director’s Chairperson.
- Review the SDSTA’s annual financial statements and any reports or other financial information submitted to or from any governmental body, or the public, including any certification, report, opinion or review rendered by the external auditor or the SDSTA CFO.
- Review any report or memo or other communication from Federal and State regulators and reviewers, and attend as many entrance and exit conferences as possible.

#### **3. External Auditors/CFO/Independent Counsel/Other Advisors**

- The Audit Committee shall have the independent authority to engage any legal counsel or other advisors it deems necessary to carry out its duties.
- Periodically consult with the external auditor out of the presence of management about internal controls and the fullness and accuracy of the company’s financial statements.
- Make the selection, retention, and review the performance of, the external auditor, considering independence and effectiveness and approve the fees paid to the external auditor as well as the proposed fee. On an annual basis, the Audit Committee should review and discuss with the external auditor all significant relationships the external auditor has with the company to determine the auditor’s independence and consider the appropriateness of the non-audit services prior to their engagement.
- Periodically meet with the CFO on the results of exams, and be available to CFO for appropriate communications at any time they desire the meeting.

#### **4. Financial Reporting Process**

- In consultation with the external auditor, review the integrity of the SDSTA’s financial reporting processes.

# **SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY**

## **AUDIT COMMITTEE CHARTER**

- Consider the external auditor's judgments about the quality and appropriateness of the SDSTA's accounting principles, as applied in its financial reports and as promulgated by the Governmental Accounting Standards Board.
- Consider and forward to the SDSTA Board of Directors, if appropriate, recommendations for major changes to the SDSTA's auditing and accounting principles and practices as suggested by the external auditor, management or the CFO.
- Establish regular and separate systems of reporting to the Audit Committee by management and the external auditor regarding any significant judgments made in management's preparation of the financial statements and the Audit Committee's view of each as to appropriateness of such judgments.
- Following completion of the annual audit, review separately with management and the external auditor any significant difficulties encountered during the course of the audit, including any restrictions on the scope of work, or access to required information.
- Review and resolve any significant disagreement among management and the external auditor in connection with the preparation of the financial statements. Review in detail the passed audit adjustments and the materiality levels used by the external auditor, and the impact of Management's estimates used in the financial statement preparation.
- Review with the external auditor and management the extent to which changes or improvements in financial or accounting practices, as approved by the Audit Committee in prior reports or meetings, have been implemented.

### **5. Ethical and Legal Compliance**

- Establish, review and update periodically a Conflict of Interest Policy and ensure that management has established a system to enforce this Policy.
- Review management's monitoring of compliance with the SDSTA's Conflict of Interest Policy, and verify that management has the proper review system in place to ensure that financial statements, reports, and other financial information disseminated to governmental organizations, and the public, satisfy legal requirements.
- Review with SDSTA's retained legal counsel any legal matter that could have a significant impact on the SDSTA's financial statements.
- Periodically review individual committee member education and obtain resources, seminars and materials to keep the level of member's education current.
- Perform any other activities consistent with this Charter, the SDSTA's By-Laws and governing law, as the Audit Committee or the SDSTA Board of Directors deems necessary or appropriate.

### **6. Reporting**

In order to facilitate the proper execution of its duties and responsibilities, the Audit Committee shall conduct its reviews and investigations in a confidential manner. The Audit Committee shall report to the SDSTA Board the results of the Financial Reporting Process, consultations with External Auditors, the CFO or other Advisors, or any other issues they deem important for the SDSTA Board to meet its responsibilities. These reports shall include, but not be limited to, the results of the annual external audit or any internal audit on financial reports or compliance (including difficulties or disagreements encountered, if any, past

# SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY

## AUDIT COMMITTEE CHARTER

adjustments, materiality defined by the auditor, any legal matter having a material impact on the report, management letter comments, etc.), the integrity of the financial reporting system, the appropriateness of the accounting principles applied to the financial reports, the status of internal controls, any suggested change to any of the above systems the Audit Committee thinks should be made, any significant report or communication from any other matter that the Audit Committee deems critical information needed by the SDSTA Board. To the extent permitted by applicable law, the Audit Committee's reports to the Board of Directors shall be delivered in closed session.

The Audit Committee shall strive to provide the Board with the information it needs to manage the reporting and accounting for the SDSTA as well as utilize the reports to manage all of the other risks it faces. These reports will be made when information is received and available. The Annual Schedule below outlines some of the reporting dates anticipated.

### **7. Budget Process**

The Audit Committee will meet with the CFO in March to establish the annual budget for the Audit Committee to cover costs for audit fees, legal fees, consulting fees, continuing education travel and costs and miscellaneous costs.

### **B. Annual Schedule**

The Audit Committee will meet at its discretion but the following is a guideline for business to be conducted during the year:

December-January – Meet with external auditors to discuss preliminary audit findings, letters to management, passed adjustments, materiality, management estimates, and quality and appropriateness of accounting principles.

March-June – Present audit findings, letter of comments and other appropriate information to the SDSTA's Board of Directors at SDSTA annual meeting. Meet to update issues on hiring other outside auditors for review, as deemed necessary, of such areas as EDP, compliance, etc.

September – Request proposal for external audit. Meet with CFO.

October/November/December – Meet with CFO to review any issues regarding the audit. Meet to engage external financial auditor on entrance conference. Review all SDSTA regulators' reports (State and/or Federal). Certify as to committee member's independence.

### **C. Limitations on the Committee's Role:**

While the Audit Committee has the responsibilities and powers as stated above, it is not the Committee's duty to audit the SDSTA's financial statements or to determine that the SDSTA's financial statements are complete and accurate in accordance with generally accepted accounting principles (GAAP), as promulgated by the Governmental Accounting Standards Board. These are the responsibilities of management and the independent auditors.

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**Financial Report—Mr. Mike Headley**

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Financial Report:

8A. Financial Summaries for August 2021, attached.

8B. South Dakota Investment Council Letter, attached. *(see suggested motion below)*

8C. Fiscal Year End Inventory Listing, attached.

8D. Fiscal Year End Board Per Diem Listing, attached.

*See suggested motion below.*

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**Recommended Action:**

*8B. Motion to continue the interest earning accrual at 1% for fiscal year 2021 or as discussed.  
Motion to accept the Financial Report as presented.*

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DIVISION: ALL

## BALANCE SHEET

## ASSETS

|                           | AS OF             |
|---------------------------|-------------------|
|                           | 08/31/21          |
|                           | -----             |
| CURRENT ASSETS            |                   |
| First Interstate Checking | \$ 4,269,628.73   |
|                           | -----             |
| Total in Local Checking   | 4,269,628.73      |
| SD Treas: Indemnification | 7,616,378.22      |
| SD Treas: Mine Closure    | 1,520,425.48      |
| SD Treas: Operating       | 1,131,522.84      |
| SD Treas: Sanford Gift #2 | 6,757.75          |
| SD Treas: Spec Sess - Lab | 132,659.12        |
| SD Treas: Experiments     | 869,081.53        |
|                           | -----             |
| Total with SD Treasurer   | 11,276,824.94     |
| Billed A/R                | 2,702,458.61      |
| Unbilled A/R              | 272,764.90        |
| Other A/R                 | 233,201.32        |
| Inventory - Supplies      | 3,280,073.02      |
| Inventory - Warehouse     | 26,151.25         |
| Other Current Assets      | 618,269.76        |
|                           | -----             |
| Total Current Assets      | 22,679,372.53     |
| FIXED ASSETS              |                   |
| Land, Underground & Other | 12,633,473.13     |
| Bldgs & Infrastructure    | 15,592,844.49     |
| Improvements              | 62,813,135.62     |
| Computer Equipment        | 354,677.81        |
| Equipment & Fixtures      | 10,895,979.48     |
| DOE Property Transfer     | 1,936,817.90      |
| Accum Depr & Amort        | (20,070,824.41)   |
| DOE Prop. Accum Deprec.   | (216,275.36)      |
|                           | -----             |
| Total Fixed Assets        | 83,939,828.66     |
| OTHER ASSETS              |                   |
| Work in Process           | -                 |
| Pension Deferred Outflows | 4,135,812.00      |
| Xenon Purchased           | 8,934,350.39      |
|                           | -----             |
| Total Other Assets        | 13,070,162.39     |
|                           | =====             |
| TOTAL ASSETS              | \$ 119,689,363.58 |
|                           | =====             |

DIVISION: ALL

BALANCE SHEET

LIABILITIES & EQUITY

AS OF  
08/31/21

CURRENT LIABILITIES

|                           |    |              |
|---------------------------|----|--------------|
| Accounts Payable          | \$ | 1,142,349.93 |
| Other Payables            |    | 78,069.78    |
|                           |    | -----        |
| Total Accounts Payable    |    | 1,220,419.71 |
| Accrued Payroll Liab      |    | 1,851,312.01 |
|                           |    | -----        |
| Total Current Liabilities |    | 3,071,731.72 |

OTHER LIABILITIES

|                          |  |              |
|--------------------------|--|--------------|
| LT Xenon Notes Payable   |  | 6,000,000.00 |
| Pension Deferred Inflows |  | 3,467,898.62 |
|                          |  | -----        |
| Total Other Liabilities  |  | 9,467,898.62 |

EQUITY

|                           |  |                |
|---------------------------|--|----------------|
| Restricted: Indemnificati |  | 7,500,000.00   |
| Restricted: Lab           |  | 76,673.47      |
| Restricted: Mine Closure  |  | 1,540,274.87   |
| Restricted: Sanford Gift2 |  | 6,569.97       |
| Restricted: Pension       |  | 667,913.38     |
| Restricted: Experim. Int. |  | 881,129.64     |
| Restricted: Foundation    |  | 25,000.00      |
|                           |  | -----          |
| Total Restricted Funds    |  | 10,697,561.33  |
| Investment in Gen FA      |  | 83,939,828.66  |
| Unrestricted Funds        |  | 12,512,343.25  |
|                           |  | -----          |
| Total Equity              |  | 107,149,733.24 |

TOTAL LIABILITIES & EQUITY

|  |    |                |
|--|----|----------------|
|  | \$ | 119,689,363.58 |
|  |    | =====          |

ALL

## STATEMENT OF INCOME

FOR THE PERIOD ENDING 08/31/21

|                                      | YR-TO-DATE      |
|--------------------------------------|-----------------|
|                                      | -----           |
| REVENUE                              |                 |
| DOE Subcontracts                     | \$ 4,446,647.37 |
| NSF/NASA Subcontracts                | -               |
| State Revenue                        | -               |
| Checking Interest                    | 328.23          |
| Interest Income                      | 18,647.00       |
|                                      | -----           |
| TOTAL REVENUE                        | 4,465,622.60    |
| DIRECT COSTS                         |                 |
| Direct Labor                         | 1,300,072.68    |
| Board of Directors                   | 990.56          |
| Capital Outlay >\$5K                 | 174,771.66      |
| Contractual Svcs                     | 451,246.82      |
| Inventory                            | 44,140.20       |
| Supplies                             | 429,231.80      |
| Travel - Domestic                    | 16,808.74       |
| Travel - Foreign                     | -               |
| Utilities                            | 303,784.10      |
| Other Direct Costs                   | 5,376.19        |
| Unallow/Unbill Costs                 | 55,795.47       |
|                                      | -----           |
| TOTAL DIRECT COSTS                   | 2,782,218.22    |
| INDIRECT COSTS                       |                 |
| Fringe Benefits                      | 993,455.19      |
| Overhead                             | 1,300,649.93    |
|                                      | -----           |
| TOTAL INDIRECT COSTS                 | 2,294,105.12    |
|                                      | -----           |
| GROSS PROFIT/LOSS ( )FROM OPERATIONS | (610,700.74)    |
|                                      | -----           |
| OTHER INCOME                         |                 |
| Water Treatment                      | 75,845.39       |
| Miscellaneous Income                 | 25,421.96       |
| Other Operating Income               | 151,966.86      |
|                                      | -----           |
| TOTAL OTHER INCOME                   | 253,234.21      |
| OTHER EXPENSES                       |                 |
| Misc. Expenses & Donations           | (92,985.28)     |
| Loss (Gain) on Sale of FA            | (2,720.00)      |
| Other Unallowable Expense            | 40,153.36       |
| Reclass Incr Net Assets              | (287,355.56)    |
|                                      | -----           |
| TOTAL OTHER EXPENSES                 | (342,907.48)    |
|                                      | =====           |
| NET INCOME/LOSS ( )                  | \$ (14,559.05)  |
|                                      | =====           |

DIVISION: ALL

## COMPARATIVE BALANCE SHEET

## ASSETS

|                           | AS OF<br>08/31/21        | AS OF<br>08/31/20        | \$ CHANGE              | % CHANGE     |
|---------------------------|--------------------------|--------------------------|------------------------|--------------|
| <b>CURRENT ASSETS</b>     |                          |                          |                        |              |
| First Interstate Checking | \$ 4,269,628.73          | \$ 3,178,551.08          | \$ 1,091,077.65        | 34.33%       |
| First Interstate Other    | -                        | 5,588.19                 | (5,588.19)             | -100.00%     |
| Total in Local Checking   | 4,269,628.73             | 3,184,139.27             | 1,085,489.46           | 34.09%       |
| SD Treas: Indemnification | 7,616,378.22             | 7,849,253.34             | (232,875.12)           | -2.97%       |
| SD Treas: Mine Closure    | 1,520,425.48             | 1,530,232.62             | (9,807.14)             | -0.64%       |
| SD Treas: Operating       | 1,131,522.84             | 832,976.12               | 298,546.72             | 35.84%       |
| SD Treas: Sanford Gift #2 | 6,757.75                 | 8,526.50                 | (1,768.75)             | -20.74%      |
| SD Treas: Spec Sess - Lab | 132,659.12               | 4,433,972.70             | (4,301,313.58)         | -97.01%      |
| SD Treas: Experiments     | 869,081.53               | 947,018.09               | (77,936.56)            | -8.23%       |
| Total with SD Treasurer   | 11,276,824.94            | 15,601,979.37            | (4,325,154.43)         | -27.72%      |
| Billed A/R                | 2,702,458.61             | 2,015,174.33             | 687,284.28             | 34.11%       |
| Unbilled A/R              | 272,764.90               | 560,027.56               | (287,262.66)           | -51.29%      |
| Other A/R                 | 233,201.32               | 371,304.56               | (138,103.24)           | -37.19%      |
| Inventory - Supplies      | 3,280,073.02             | 2,422,521.41             | 857,551.61             | 35.40%       |
| Inventory - Warehouse     | 26,151.25                | 28,256.08                | (2,104.83)             | -7.45%       |
| Other Current Assets      | 618,269.76               | 705,797.98               | (87,528.22)            | -12.40%      |
| Total Current Assets      | 22,679,372.53            | 24,889,200.56            | (2,209,828.03)         | -8.88%       |
| <b>FIXED ASSETS</b>       |                          |                          |                        |              |
| Land, Underground & Other | 12,633,473.13            | 12,633,473.13            | -                      | 0.00%        |
| Bldgs & Infrastructure    | 15,592,844.49            | 9,707,365.56             | 5,885,478.93           | 60.63%       |
| Improvements              | 62,813,135.62            | 64,637,443.82            | (1,824,308.20)         | -2.82%       |
| Computer Equipment        | 354,677.81               | 570,932.90               | (216,255.09)           | -37.88%      |
| Equipment & Fixtures      | 10,895,979.48            | 11,000,464.67            | (104,485.19)           | -0.95%       |
| DOE Property Transfer     | 1,936,817.90             | 290,484.17               | 1,646,333.73           | 566.76%      |
| Accum Depr & Amort        | (20,070,824.41)          | (18,509,641.35)          | (1,561,183.06)         | 8.43%        |
| DOE Prop. Accum Deprec.   | (216,275.36)             | (8,617.16)               | (207,658.20)           | 2409.82%     |
| Total Fixed Assets        | 83,939,828.66            | 80,321,905.74            | 3,617,922.92           | 4.50%        |
| <b>OTHER ASSETS</b>       |                          |                          |                        |              |
| Work in Process           | -                        | 1,200,888.69             | (1,200,888.69)         | -100.00%     |
| Pension Deferred Outflows | 4,135,812.00             | 2,995,814.75             | 1,139,997.25           | 38.05%       |
| Xenon Purchased           | 8,934,350.39             | 8,934,350.39             | -                      | 0.00%        |
| Total Other Assets        | 13,070,162.39            | 13,131,053.83            | (60,891.44)            | -0.46%       |
| <b>TOTAL ASSETS</b>       | <b>\$ 119,689,363.58</b> | <b>\$ 118,342,160.13</b> | <b>\$ 1,347,203.45</b> | <b>1.14%</b> |

DIVISION: ALL

COMPARATIVE BALANCE SHEET

LIABILITIES & EQUITY

|                                       | AS OF<br>08/31/21        | AS OF<br>08/31/20        | \$ CHANGE              | % CHANGE      |
|---------------------------------------|--------------------------|--------------------------|------------------------|---------------|
| <b>CURRENT LIABILITIES</b>            |                          |                          |                        |               |
| Accounts Payable                      | \$ 1,142,349.93          | \$ 1,668,718.11          | (526,368.18)           | -31.54%       |
| Other Payables                        | 78,069.78                | 20,354.57                | 57,715.21              | 283.55%       |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Accounts Payable                | 1,220,419.71             | 1,689,072.68             | (468,652.97)           | -27.75%       |
| Accrued Payroll Liab                  | 1,851,312.01             | 1,659,380.22             | 191,931.79             | 11.57%        |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Current Liabilities             | 3,071,731.72             | 3,348,452.90             | (276,721.18)           | -8.26%        |
| <b>OTHER LIABILITIES</b>              |                          |                          |                        |               |
| LT Xenon Notes                        | 6,000,000.00             | 6,000,000.00             | -                      | 0.00%         |
| Pension Deferred Inflows              | 3,467,898.62             | 1,266,585.88             | 2,201,312.74           | 173.80%       |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Other Liabilities               | 9,467,898.62             | 7,266,585.88             | 2,201,312.74           | 30.29%        |
|                                       | -----                    | -----                    | -----                  | -----         |
| <b>TOTAL LIABILITIES</b>              | <b>12,539,630.34</b>     | <b>10,615,038.78</b>     | <b>1,924,591.56</b>    | <b>18.13%</b> |
| <b>EQUITY</b>                         |                          |                          |                        |               |
| Restricted: Indemnificati             | 7,500,000.00             | 7,500,000.00             | -                      | 0.00%         |
| Restricted: Lab                       | 76,673.47                | 4,188,598.00             | (4,111,924.53)         | -98.17%       |
| Restricted: Mine Closure              | 1,540,274.87             | 1,497,441.53             | 42,833.34              | 2.86%         |
| Restricted: Sanford Gift2             | 6,569.97                 | 6,991.97                 | (422.00)               | -6.04%        |
| Restricted: Pension                   | 667,913.38               | 1,729,228.87             | (1,061,315.49)         | -61.38%       |
| Restricted: Experim. Int.             | 881,129.64               | 729,305.00               | 151,824.64             | 20.82%        |
| Restricted: Foundation                | 25,000.00                | 897.66                   | 24,102.34              | 2685.02%      |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Restricted Funds                | 10,697,561.33            | 15,652,463.03            | (4,954,901.70)         | -31.66%       |
| Investment in Gen FA                  | 83,939,828.66            | 80,321,905.74            | 3,617,922.92           | 4.50%         |
| Unrestricted Funds                    | 12,512,343.25            | 11,752,752.58            | 759,590.67             | 6.46%         |
|                                       | -----                    | -----                    | -----                  | -----         |
| <b>TOTAL EQUITY</b>                   | <b>107,149,733.24</b>    | <b>107,727,121.35</b>    | <b>(577,388.11)</b>    | <b>-0.54%</b> |
|                                       | =====                    | =====                    | =====                  | =====         |
| <b>TOTAL LIABILITIES &amp; EQUITY</b> | <b>\$ 119,689,363.58</b> | <b>\$ 118,342,160.13</b> | <b>\$ 1,347,203.45</b> | <b>1.14%</b>  |
|                                       | =====                    | =====                    | =====                  | =====         |

## COMPARATIVE STATEMENT OF INCOME

FOR THE PERIOD ENDING 08/31/21

|                              | YEAR<br>TO DATE       | PRIOR YEAR<br>TO DATE | \$ CHANGE              | % CHANGE        |
|------------------------------|-----------------------|-----------------------|------------------------|-----------------|
| <b>REVENUE</b>               |                       |                       |                        |                 |
| DOE Subcontracts             | \$ 4,446,647.37       | \$ 4,515,543.03       | \$ (68,895.66)         | -1.53%          |
| NSF/NASA Subcontracts        | -                     | 865.68                | (865.68)               | -100.00%        |
| State Revenue                | -                     | -                     | -                      | 0.00%           |
| Checking Interest            | 328.23                | 240.33                | 87.90                  | 36.57%          |
| Interest Income              | 18,647.00             | 25,754.00             | (7,107.00)             | -27.60%         |
| <b>TOTAL REVENUE</b>         | <b>4,465,622.60</b>   | <b>4,542,403.04</b>   | <b>(76,780.44)</b>     | <b>-1.69%</b>   |
| <b>DIRECT COSTS</b>          |                       |                       |                        |                 |
| Direct Labor                 | 1,300,072.68          | 1,214,875.33          | 85,197.35              | 7.01%           |
| Board of Directors           | 990.56                | 750.00                | 240.56                 | 32.07%          |
| Capital Outlay >\$5K         | 174,771.66            | 350,365.02            | (175,593.36)           | -50.12%         |
| Contractual Svcs             | 451,246.82            | 333,206.74            | 118,040.08             | 35.43%          |
| Inventory                    | 44,140.20             | 20,747.67             | 23,392.53              | 112.75%         |
| Supplies                     | 429,231.80            | 177,733.15            | 251,498.65             | 141.50%         |
| Travel - Domestic            | 16,808.74             | 926.32                | 15,882.42              | 1714.57%        |
| Travel - Foreign             | -                     | -                     | -                      | 0.00%           |
| Utilities                    | 303,784.10            | 312,599.69            | (8,815.59)             | -2.82%          |
| Other Direct Costs           | 5,376.19              | 2,493.70              | 2,882.49               | 115.59%         |
| Unallow/Unbill Costs         | 55,795.47             | 50,915.96             | 4,879.51               | 9.58%           |
| <b>TOTAL DIRECT COSTS</b>    | <b>2,782,218.22</b>   | <b>2,464,613.58</b>   | <b>317,604.64</b>      | <b>12.89%</b>   |
| <b>INDIRECT COSTS</b>        |                       |                       |                        |                 |
| Fringe Benefits              | 993,455.19            | 957,710.11            | 35,745.08              | 3.73%           |
| Overhead                     | 1,300,649.93          | 1,420,161.86          | (119,511.93)           | -8.42%          |
| <b>TOTAL INDIRECT COSTS</b>  | <b>2,294,105.12</b>   | <b>2,377,871.97</b>   | <b>(83,766.85)</b>     | <b>-3.52%</b>   |
| <b>GROSS PROFIT/LOSS ( )</b> | <b>(610,700.74)</b>   | <b>(300,082.51)</b>   | <b>(310,618.23)</b>    | <b>517.81%</b>  |
| <b>OTHER INCOME</b>          |                       |                       |                        |                 |
| Water Treatment              | 75,845.39             | 73,757.91             | 2,087.48               | 2.83%           |
| Miscellaneous Income         | 25,421.96             | 825.49                | 24,596.47              | 2979.62%        |
| Other Operating Income       | 151,966.86            | 6,693.16              | 145,273.70             | 2170.48%        |
| <b>TOTAL OTHER INCOME</b>    | <b>253,234.21</b>     | <b>81,276.56</b>      | <b>171,957.65</b>      | <b>211.57%</b>  |
| <b>OTHER EXPENSES</b>        |                       |                       |                        |                 |
| Misc. Expenses & Donations   | (92,985.28)           | -                     | (92,985.28)            | 100.00%         |
| Loss (Gain) on Sale of FA    | (2,720.00)            | -                     | (2,720.00)             | 100.00%         |
| Other Unallowable Expense    | 40,153.36             | 8,617.16              | 31,536.20              | 365.97%         |
| Reclass Incr Net Assets      | (287,355.56)          | (383,892.54)          | 96,536.98              | -25.15%         |
| <b>TOTAL OTHER EXPENSES</b>  | <b>(342,907.48)</b>   | <b>(375,275.38)</b>   | <b>32,367.90</b>       | <b>-8.63%</b>   |
| <b>NET INCOME/LOSS ( )</b>   | <b>\$ (14,559.05)</b> | <b>\$ 156,469.43</b>  | <b>\$ (171,028.48)</b> | <b>-109.30%</b> |

**South Dakota Science & Technology Authority**  
**Available Resources**  
**8/31/2021**

|   |        |                         |
|---|--------|-------------------------|
| Cash Total Checking   | \$     | 4,269,629               |
| Cash With State Treasurer   | \$     | <u>11,276,825</u>       |
| Total Cash  | \$     | 15,546,454              |
| Less: Restricted Funds  |        |                         |
| Indemnification/Mine Closure/Special Session Lab                              | \$     | (9,269,463)             |
| Experiments (Xenon, Interest, Infrastructure)                                 | \$     | <u>(869,082)</u>        |
| <br>Total Cash Available for Infrastructure Upgrades and Authority Operations | <br>\$ | <br>5,407,909           |
| Plus: Accounts Receivable Billed  | \$     | 2,702,459               |
| Accounts Receivable Unbilled  | \$     | 272,765                 |
| Less: Current Liabilities (Accounts Payable & Accrued Payroll)                | \$     | <u>(3,006,566)</u>      |
| (not including accts. pay. For MSF funding)                                   |        |                         |
| Available Cash and Receivables  | \$     | <u><u>5,376,567</u></u> |

**SDSTA Operating Budget Summary FY2022**

Actual vs Budget  
August 2021 & YTD

|   | \$ Over/Under  |                |               |             | \$ Over/Under  |                |              |             |             |
|---|----------------|----------------|---------------|-------------|----------------|----------------|--------------|-------------|-------------|
|   | August 2021    | Budget         | Budget        | % of Budget | Actual YTD     | YTD Budget     | Budget       | % of Budget | % Remaining |
| SDSTA (Authority) Direct Charges          |                |                |               |             |                |                |              |             | 100%        |
| Board of Directors                        | \$2,172.00     | \$21,333.00    | \$19,161.00   | 10.18%      | \$40,830.00    | \$42,666.00    | \$1,836.00   | 95.70%      | 4.30%       |
| Executive Office                          | \$308,415.00   | \$201,545.00   | -\$106,870.00 | 153.03%     | \$365,962.00   | \$276,375.00   | -\$89,587.00 | 132.42%     | -32.42%     |
| Science Center E & O                      | \$2,654.00     | \$4,000.00     | \$1,346.00    | 66.35%      | \$45,493.00    | \$47,500.00    | \$2,007.00   | 95.77%      | 4.23%       |
| Science Liaison                           | -\$276.00      | \$0.00         | \$276.00      | 100.0%      | -\$875.00      | \$0.00         | \$875.00     | 100.00%     | 0.00%       |
| Subtotal                                  | \$312,965.00   | \$226,878.00   | -\$86,087.00  | 137.94%     | \$451,410.00   | \$366,541.00   | -\$84,869.00 | 123.15%     | -23.15%     |
| Federal/State Funding - Direct Charges    |                |                |               |             |                |                |              |             |             |
| Fermi C#671265 Prof. St.Services          | \$3,590.00     | \$5,000.00     | \$1,410.00    | 71.8%       | \$8,056.00     | \$15,000.00    | \$6,944.00   | 53.71%      | 46.29%      |
| Fermi C#674969 Ross Logist.Supp.          | \$202,562.00   | \$400,000.00   | \$197,438.00  | 50.64%      | \$403,452.00   | \$800,000.00   | \$396,548.00 | 50.43%      | 49.57%      |
| Fermi Misc. Contracts                     | \$0.00         | \$5,000.00     | \$5,000.00    | 0.0%        | \$0.00         | \$10,000.00    | \$10,000.00  | 0.00%       | 100.00%     |
| Office of Science Coop.Agree              | \$1,322,459.00 | \$1,202,746.00 | -\$119,713.00 | 109.95%     | \$2,409,365.00 | \$2,404,306.00 | -\$5,059.00  | 100.21%     | -0.21%      |
| Office of Science IIP Projects            | \$41,818.00    | \$41,818.00    | \$0.00        | 100.0%      | \$98,319.00    | \$98,319.00    | \$0.00       | 100.00%     | 0.00%       |
| LBNL SIGMA-V C#7371823                    | \$18,531.00    | \$20,000.00    | \$1,469.00    | 92.66%      | \$31,321.00    | \$35,000.00    | \$3,679.00   | 89.49%      | 10.51%      |
| LBNL LZExp.Operat.C#7525117               | \$39,948.00    | \$50,000.00    | \$10,052.00   | 79.9%       | \$86,438.00    | \$120,000.00   | \$33,562.00  | 72.03%      | 27.97%      |
| MJD (Majorana) ORNL144149                 | \$1,514.00     | \$2,000.00     | \$486.00      | 75.7%       | \$2,867.00     | \$4,000.00     | \$1,133.00   | 71.68%      | 28.33%      |
| * Kiewit/Thyssen/DakotaT.                 | \$4,617.00     | \$4,700.00     | \$83.00       | 98.23%      | \$8,617.00     | \$8,700.00     | \$83.00      | 99.05%      | 0.95%       |
| RESPEC Thermal Breakout                   | \$3,257.00     | \$5,000.00     | \$1,743.00    | 65.14%      | \$3,257.00     | \$6,000.00     | \$2,743.00   | 54.28%      | 45.72%      |
| Subtotal                                  | \$1,638,296.00 | \$1,736,264.00 | \$97,968.00   | 94.36%      | \$3,051,692.00 | \$3,501,325.00 | \$449,633.00 | 87.16%      | 12.84%      |
| Indirect Expenses                         |                |                |               |             |                |                |              |             |             |
| Indirect Charges Personnel                | \$409,147.00   | \$412,984.00   | \$3,837.00    | 99.07%      | \$750,274.00   | \$841,915.00   | \$91,641.00  | 89.12%      | 10.88%      |
| Indirect Charges Other                    | \$403,621.00   | \$504,759.00   | \$101,138.00  | 79.96%      | \$834,261.00   | \$1,029,008.00 | \$194,747.00 | 81.07%      | 18.93%      |
| Subtotal                                  | \$812,768.00   | \$917,743.00   | \$104,975.00  | 88.56%      | \$1,584,535.00 | \$1,870,923.00 | \$286,388.00 | 84.69%      | 15.31%      |
| Totals                                    | \$2,764,029.00 | \$2,880,885.00 | \$116,856.00  | 95.94%      | \$5,087,637.00 | \$5,738,789.00 | \$651,152.00 | 88.65%      | 11.35%      |
| * Private Corporations (Commercial Group) |                |                |               |             |                |                |              |             |             |





## SOUTH DAKOTA INVESTMENT COUNCIL

4009 West 49th Street, Suite 300  
Sioux Falls, SD 57106-3784 USA  
Phone: (605) 362-2820

August 1, 2021

### Interest Proration Participating Agencies:

You recently received your 2021 interest proration voucher this week by e-mail. This represents interest on each agency fund's average balance for fiscal year 2021 as determined by SDCL 4-5-30. The Cash Flow Fund received \$33,683,941 of interest and net gains for the fiscal year on an average balance of \$2.379 billion. The rate (net of fees) for fiscal year 2021, payable in fiscal year 2022, is 1.4%.

If you have any questions regarding the calculation, please call Tiffany Ripperda (605-773-8466) at the Bureau of Finance and Management or Sherry Nelson at the South Dakota Investment Council.

Sincerely,

Matthew L. Clark  
State Investment Officer

MLC/szn  
Enclosure

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# SD Science & Technology Authority

## Year to Date Reconciliation - 7/1/2020 through 6/30/2021

June 30, 2021

Year to Date 7/1/2020 through 6/30/2021

Cost of Fixed Assets

Accumulated Depreciation

| 000 - SD Science & Technology Authority |            |            |            |           |         |            |            |               |         |            |
|---|------------|------------|------------|-----------|---------|------------|------------|---------------|---------|------------|
| Sys ID Description                      | Acquire    | In Service | Beginning  | Additions | Retired | Ending     | Beginning  | YTD 6/30/2021 | Retired | Ending     |
| 110 - Automobiles                       |            |            |            |           |         |            |            |               |         |            |
| 77 2003 Chevy Astro AWD                 | 7/15/2008  | 7/15/2008  | 9,079.90   |           |         | 9,079.90   | 8,172.00   |               |         | 8,172.00   |
| 78 2003 Ford F250 63-1658               | 1/16/2009  | 1/16/2009  | 11,890.17  |           |         | 11,890.17  | 10,700.97  |               |         | 10,700.97  |
| 79 2000 Ford F150 V8 Whit               | 2/16/2009  | 2/16/2009  | 7,273.42   |           |         | 7,273.42   | 6,545.72   |               |         | 6,545.72   |
| 348 2001 Dodge 2500 W/Mai               | 8/12/2009  | 8/12/2009  | 8,906.71   |           |         | 8,906.71   | 8,016.00   |               |         | 8,016.00   |
| 349 2004 Ford Explorer Sport            | 6/4/2010   | 6/4/2010   | 13,306.83  |           |         | 13,306.83  | 11,976.00  |               |         | 11,976.00  |
| 570 2009 Chevy G3500 Van                | 9/8/2014   | 9/8/2014   | 16,900.00  |           |         | 16,900.00  | 12,676.00  | 2,173.00      |         | 14,849.00  |
| 653 2011 Chevy3500Stakebe               | 11/21/2016 | 11/21/2016 | 22,657.45  |           |         | 22,657.45  | 10,438.00  | 2,913.00      |         | 13,351.00  |
| 702 2002 Chevy 2500 Truck               | 6/17/2019  | 6/17/2019  | 10,000.00  |           |         | 10,000.00  | 1,286.00   | 1,286.00      |         | 2,572.00   |
| 712 2018 Dodge Ram Plow T               | 11/25/2019 | 11/25/2019 | 40,243.00  |           |         | 40,243.00  | 3,018.00   | 5,174.00      |         | 8,192.00   |
| 713 2019 DodgeRam-W-VPlc                | 12/19/2019 | 12/19/2019 | 48,210.00  |           |         | 48,210.00  | 3,099.00   | 6,198.00      |         | 9,297.00   |
| 722 2020 Ford Passenger Van             | 4/1/2020   | 4/1/2020   | 48,869.00  |           |         | 48,869.00  | 1,571.00   | 6,283.00      |         | 7,854.00   |
| 730 2011 Chevy 3500 w/Utili             | 5/28/2021  | 5/28/2021  |            | 30,185.00 |         | 30,185.00  |            | 323.00        |         | 323.00     |
| 738 2021 Dodge Ram 3500                 | 6/17/2021  | 6/17/2021  |            | 39,475.00 |         | 39,475.00  |            |               |         | 0.00       |
|   |            |            | 237,336.48 | 69,660.00 | 0.00    | 306,996.48 | 77,498.69  | 24,350.00     | 0.00    | 101,848.69 |
| 120 - Building                          |            |            |            |           |         |            |            |               |         |            |
| 10 Ross Hoist Room                      | 4/14/2006  | 4/14/2006  | 436,796.20 |           |         | 436,796.20 | 132,479.72 | 8,736.00      |         | 141,215.72 |
| 14 Ross Head Frame & Crus               | 4/14/2006  | 4/14/2006  | 421,551.65 |           |         | 421,551.65 | 127,854.90 | 8,431.00      |         | 136,285.90 |
| 19 Yates Head Frame & Cru               | 4/14/2006  | 4/14/2006  | 496,154.18 |           |         | 496,154.18 | 150,481.06 | 9,923.00      |         | 160,404.06 |
| 24 Mine Office - Admin Bld              | 4/14/2006  | 4/14/2006  | 461,316.99 |           |         | 461,316.99 | 139,912.23 | 9,226.00      |         | 149,138.23 |
| 25 Yates Hoist/MG Set Rooi              | 4/14/2006  | 4/14/2006  | 797,826.88 |           |         | 797,826.88 | 241,983.43 | 15,957.00     |         | 257,940.43 |
| 26 Ross Substation Building             | 4/14/2006  | 4/14/2006  | 13,615.43  |           |         | 13,615.43  | 4,126.12   | 272.00        |         | 4,398.12   |
| 27 Ross Boiler                          | 4/14/2006  | 4/14/2006  | 23,236.99  |           |         | 23,236.99  | 7,050.57   | 465.00        |         | 7,515.57   |
| 28 Ross Core Shed                       | 4/14/2006  | 4/14/2006  | 6,785.02   |           |         | 6,785.02   | 2,061.17   | 136.00        |         | 2,197.17   |
| 29 Ross Dry                             | 4/14/2006  | 4/14/2006  | 142,961.96 |           |         | 142,961.96 | 43,357.27  | 2,859.00      |         | 46,216.27  |
| 30 Ross Pipe Shop                       | 4/14/2006  | 4/14/2006  | 50,830.92  |           |         | 50,830.92  | 15,421.05  | 1,017.00      |         | 16,438.05  |
| 31 LHD Warehouse                        | 4/14/2006  | 4/14/2006  | 51,988.23  |           |         | 51,988.23  | 15,770.45  | 1,040.00      |         | 16,810.45  |
| 32 Ross Tramway Shed                    | 4/14/2006  | 4/14/2006  | 68,757.90  |           |         | 68,757.90  | 20,852.31  | 1,375.00      |         | 22,227.31  |
| 33 Ross Air Tanks                       | 4/14/2006  | 4/14/2006  | 7,760.79   |           |         | 7,760.79   | 2,351.45   | 155.00        |         | 2,506.45   |
| 34 Ross Ramp                            | 4/14/2006  | 4/14/2006  | 7,091.37   |           |         | 7,091.37   | 2,152.69   | 142.00        |         | 2,294.69   |
| 35 Oro Hondo Fan Building               | 4/14/2006  | 4/14/2006  | 6,807.71   |           |         | 6,807.71   | 2,063.06   | 136.00        |         | 2,199.06   |
| 36 Oro Hondo Substation Bt              | 4/14/2006  | 4/14/2006  | 6,807.71   |           |         | 6,807.71   | 2,063.06   | 136.00        |         | 2,199.06   |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID         | Description              | Acquire    | In Service | Beginning  | Additions | Retired | Ending     | Beginning  | YTD 6/30/2021 | Retired | Ending     |
|----------------|--------------------------|------------|------------|------------|-----------|---------|------------|------------|---------------|---------|------------|
| 120 - Building |                          |            |            |            |           |         |            |            |               |         |            |
| 37             | Shaft Heater Room @ #5   | 4/14/2006  | 4/14/2006  | 6,240.40   |           |         | 6,240.40   | 1,894.81   | 125.00        |         | 2,019.81   |
| 38             | Tramway Roundhouse       | 4/14/2006  | 4/14/2006  | 7,624.64   |           |         | 7,624.64   | 2,307.11   | 152.00        |         | 2,459.11   |
| 39             | Main Warehouse           | 4/14/2006  | 4/14/2006  | 142,224.46 |           |         | 142,224.46 | 43,130.84  | 2,844.00      |         | 45,974.84  |
| 41             | Bottle Gas Storage       | 4/14/2006  | 4/14/2006  | 20,967.75  |           |         | 20,967.75  | 6,355.55   | 419.00        |         | 6,774.55   |
| 42             | Tramway                  | 4/14/2006  | 4/14/2006  | 177,908.22 |           |         | 177,908.22 | 53,957.19  | 3,558.00      |         | 57,515.19  |
| 45             | Foundry                  | 4/14/2006  | 4/14/2006  | 162,810.11 |           |         | 162,810.11 | 49,377.56  | 3,256.00      |         | 52,633.56  |
| 46             | Battery Repair Building  | 4/14/2006  | 4/14/2006  | 26,141.62  |           |         | 26,141.62  | 7,930.51   | 523.00        |         | 8,453.51   |
| 47             | Bit Shop                 | 4/14/2006  | 4/14/2006  | 5,446.17   |           |         | 5,446.17   | 1,652.65   | 109.00        |         | 1,761.65   |
| 48             | Paint Shop               | 4/14/2006  | 4/14/2006  | 7,715.41   |           |         | 7,715.41   | 2,336.67   | 154.00        |         | 2,490.67   |
| 50             | East Substation Building | 4/14/2006  | 4/14/2006  | 6,807.71   |           |         | 6,807.71   | 2,063.06   | 136.00        |         | 2,199.06   |
| 51             | Wash Rack                | 4/14/2006  | 4/14/2006  | 7,148.10   |           |         | 7,148.10   | 2,168.41   | 143.00        |         | 2,311.41   |
| 52             | Steady Head Tank         | 4/14/2006  | 4/14/2006  | 8,271.37   |           |         | 8,271.37   | 2,503.98   | 165.00        |         | 2,668.98   |
| 53             | Yates Safety & Dry       | 4/14/2006  | 4/14/2006  | 215,259.87 |           |         | 215,259.87 | 65,285.46  | 4,305.00      |         | 69,590.46  |
| 54             | Yates Power Substation E | 4/14/2006  | 4/14/2006  | 11,436.96  |           |         | 11,436.96  | 3,471.66   | 229.00        |         | 3,700.66   |
| 55             | Yates Bosses Office      | 4/14/2006  | 4/14/2006  | 6,490.02   |           |         | 6,490.02   | 1,970.60   | 130.00        |         | 2,100.60   |
| 57             | Yates Lamp Room          | 4/14/2006  | 4/14/2006  | 10,620.03  |           |         | 10,620.03  | 3,216.61   | 212.00        |         | 3,428.61   |
| 58             | Yates Dust Collector     | 4/14/2006  | 4/14/2006  | 3,630.78   |           |         | 3,630.78   | 1,105.43   | 73.00         |         | 1,178.43   |
| 59             | Yates Sawmill            | 4/14/2006  | 4/14/2006  | 33,947.79  |           |         | 33,947.79  | 10,296.74  | 679.00        |         | 10,975.74  |
| 60             | Used Oil Storage Tank    | 4/14/2006  | 4/14/2006  | 2,042.31   |           |         | 2,042.31   | 621.12     | 41.00         |         | 662.12     |
| 61             | Yates Cooling Tower      | 4/14/2006  | 4/14/2006  | 5,446.17   |           |         | 5,446.17   | 1,652.65   | 109.00        |         | 1,761.65   |
| 62             | Yates Compressor         | 4/14/2006  | 4/14/2006  | 173,180.53 |           |         | 173,180.53 | 52,529.38  | 3,464.00      |         | 55,993.38  |
| 64             | WW Influent Building     | 4/14/2006  | 4/14/2006  | 645,487.44 |           |         | 645,487.44 | 195,777.04 | 12,910.00     |         | 208,687.04 |
| 65             | WW Lab/Fishouse          | 4/14/2006  | 4/14/2006  | 134,476.55 |           |         | 134,476.55 | 40,791.47  | 2,690.00      |         | 43,481.47  |
| 66             | WW Mechanical Buildin;   | 4/14/2006  | 4/14/2006  | 727,249.18 |           |         | 727,249.18 | 220,572.53 | 14,545.00     |         | 235,117.53 |
| 67             | WW Warehouse             | 4/14/2006  | 4/14/2006  | 174,012.66 |           |         | 174,012.66 | 52,774.70  | 3,480.00      |         | 56,254.70  |
| 68             | WW Sandfilter Building   | 4/14/2006  | 4/14/2006  | 917,399.02 |           |         | 917,399.02 | 278,244.40 | 18,348.00     |         | 296,592.40 |
| 338            | Building Closing Costs   | 1/31/2007  | 1/31/2007  | 63,820.42  |           |         | 63,820.42  | 17,630.67  | 1,276.00      |         | 18,906.67  |
| 73             | WW Protec Building 56X   | 12/1/2008  | 12/1/2008  | 64,632.77  |           |         | 64,632.77  | 29,943.10  | 2,585.00      |         | 32,528.10  |
| 74             | WW Valve Building 9X1    | 12/16/2008 | 12/16/2008 | 15,178.78  |           |         | 15,178.78  | 3,495.79   | 304.00        |         | 3,799.79   |
| 75             | WW Pole Frame Building   | 2/5/2009   | 2/5/2009   | 104,518.82 |           |         | 104,518.82 | 23,860.99  | 2,090.00      |         | 25,950.99  |
| 666            | Ellison Hoist Bldg       | 6/12/2017  | 6/12/2017  | 24,252.00  |           |         | 24,252.00  | 1,495.00   | 485.00        |         | 1,980.00   |
| 668            | Ellison Dry-Paint Ship   | 6/12/2017  | 6/12/2017  | 49,632.00  |           |         | 49,632.00  | 3,062.00   | 993.00        |         | 4,055.00   |
| 669            | Old Compressor Bldg.     | 6/12/2017  | 6/12/2017  | 39,198.00  |           |         | 39,198.00  | 2,417.00   | 784.00        |         | 3,201.00   |
| 670            | Drill Bit Shop           | 6/12/2017  | 6/12/2017  | 87,138.00  |           |         | 87,138.00  | 5,374.00   | 1,743.00      |         | 7,117.00   |
| 686            | Radon Removal Building   | 9/15/2017  | 9/15/2017  | 615,530.88 |           |         | 615,530.88 | 34,881.00  | 12,311.00     |         | 47,192.00  |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                  | Description               | Acquire   | In Service | Beginning    | Additions    | Retired     | Ending        | Beginning    | YTD 6/30/2021 | Retired     | Ending       |
|-------------------------|---------------------------|-----------|------------|--------------|--------------|-------------|---------------|--------------|---------------|-------------|--------------|
| 120 - Building          |                           |           |            |              |              |             |               |              |               |             |              |
| 742                     | MSF - Mainten. Support    | 6/30/2021 | 6/30/2021  |              | 5,885,478.93 |             | 5,885,478.93  |              |               |             | 0.00         |
|                         |                           |           |            | 7,704,176.87 | 5,885,478.93 | 0.00        | 13,589,655.80 | 2,136,128.22 | 155,376.00    | 0.00        | 2,291,504.22 |
| 130 - Computer Hardware |                           |           |            |              |              |             |               |              |               |             |              |
| 88                      | Rack Server RACK          | 5/30/2009 | 5/30/2009  | 5,700.94     |              |             | 5,700.94      | 5,700.02     |               |             | 5,700.02     |
| 89                      | Rack Server RACK          | 5/30/2009 | 5/30/2009  | 5,700.94     |              |             | 5,700.94      | 5,700.02     |               |             | 5,700.02     |
| 96                      | Catalyst 48-Port 10/100/1 | 5/30/2009 | 5/30/2009  | 8,910.00     |              | (8,910.00)  | 0.00          | 8,910.00     |               | (8,910.00)  | 0.00         |
| 97                      | Catalyst 48-Port 10/100/1 | 5/30/2009 | 5/30/2009  | 8,938.50     |              | (8,938.50)  | 0.00          | 8,938.50     |               | (8,938.50)  | 0.00         |
| 100                     | 41213 Management Swit     | 5/30/2009 | 5/30/2009  | 6,196.90     |              | (6,196.90)  | 0.00          | 6,196.90     |               | (6,196.90)  | 0.00         |
| 101                     | 41213 Management Swit     | 5/30/2009 | 5/30/2009  | 6,196.90     |              | (6,196.90)  | 0.00          | 6,196.90     |               | (6,196.90)  | 0.00         |
| 102                     | 41213 Management Swit     | 5/30/2009 | 5/30/2009  | 6,196.90     |              | (6,196.90)  | 0.00          | 6,196.90     |               | (6,196.90)  | 0.00         |
| 103                     | 41213 Management Swit     | 5/30/2009 | 5/30/2009  | 6,196.90     |              | (6,196.90)  | 0.00          | 6,196.90     |               | (6,196.90)  | 0.00         |
| 104                     | 41213 Management Swit     | 5/30/2009 | 5/30/2009  | 6,196.90     |              | (6,196.90)  | 0.00          | 6,196.90     |               | (6,196.90)  | 0.00         |
| 105                     | 41213 Management Swit     | 5/30/2009 | 5/30/2009  | 6,196.90     |              | (6,196.90)  | 0.00          | 6,196.90     |               | (6,196.90)  | 0.00         |
| 106                     | 41517 48 Port TX 12800    | 5/30/2009 | 5/30/2009  | 6,510.00     |              | (6,510.00)  | 0.00          | 6,510.00     |               | (6,510.00)  | 0.00         |
| 107                     | 41517 48 Port TX 12800    | 5/30/2009 | 5/30/2009  | 6,510.00     |              | (6,510.00)  | 0.00          | 6,510.00     |               | (6,510.00)  | 0.00         |
| 108                     | 41517 48 Port TX 12800    | 5/30/2009 | 5/30/2009  | 6,510.00     |              | (6,510.00)  | 0.00          | 6,510.00     |               | (6,510.00)  | 0.00         |
| 109                     | 41544 48 Port GBIC 128    | 5/30/2009 | 5/30/2009  | 9,916.90     |              | (9,916.90)  | 0.00          | 9,916.90     |               | (9,916.90)  | 0.00         |
| 110                     | 41544 48 Port GBIC 128    | 5/30/2009 | 5/30/2009  | 9,916.90     |              | (9,916.90)  | 0.00          | 9,916.90     |               | (9,916.90)  | 0.00         |
| 111                     | 41544 48 Port GBIC 128    | 5/30/2009 | 5/30/2009  | 9,916.90     |              | (9,916.90)  | 0.00          | 9,916.90     |               | (9,916.90)  | 0.00         |
| 112                     | 41517 BD 12800 Managt     | 5/30/2009 | 5/30/2009  | 6,510.00     |              | (6,510.00)  | 0.00          | 6,510.00     |               | (6,510.00)  | 0.00         |
| 113                     | 41517 BD 12800 Managt     | 5/30/2009 | 5/30/2009  | 6,510.00     |              | (6,510.00)  | 0.00          | 6,510.00     |               | (6,510.00)  | 0.00         |
| 116                     | 41544 BD 12800 Managt     | 5/30/2009 | 5/30/2009  | 9,916.90     |              | (9,916.90)  | 0.00          | 9,916.90     |               | (9,916.90)  | 0.00         |
| 351                     | Server Rack               | 6/30/2010 | 6/30/2010  | 7,986.99     |              |             | 7,986.99      | 7,986.00     |               |             | 7,986.00     |
| 352                     | PLC Mine Monitoring Sy    | 6/30/2010 | 6/30/2010  | 7,910.20     |              |             | 7,910.20      | 7,910.00     |               |             | 7,910.00     |
| 429                     | PLC Mine Monitoring Sy    | 7/15/2010 | 7/15/2010  | 2,343.71     |              |             | 2,343.71      | 2,343.00     |               |             | 2,343.00     |
| 433                     | PLC Mine Monitoring Sy    | 4/1/2011  | 4/1/2011   | 19,866.94    |              |             | 19,866.94     | 19,866.00    |               |             | 19,866.00    |
| 549                     | Apple MP 3.5 1TB 32GB     | 3/31/2014 | 3/31/2014  | 5,170.42     |              |             | 5,170.42      | 5,170.00     |               |             | 5,170.00     |
| 583                     | Power Edge Server Syste   | 6/30/2015 | 6/30/2015  | 6,898.07     |              | (6,898.07)  | 0.00          | 6,898.07     |               | (6,898.07)  | 0.00         |
| 586                     | Dell Equal Logic PS1000   | 6/30/2015 | 6/30/2015  | 31,121.72    |              | (31,121.72) | 0.00          | 31,121.72    |               | (31,121.72) | 0.00         |
| 587                     | PowerVault MD1000 Sto     | 6/30/2015 | 6/30/2015  | 8,131.40     |              | (8,131.40)  | 0.00          | 8,131.40     |               | (8,131.40)  | 0.00         |
| 588                     | PowerVault MD1000 Sto     | 6/30/2015 | 6/30/2015  | 8,131.40     |              | (8,131.40)  | 0.00          | 8,131.40     |               | (8,131.40)  | 0.00         |
| 600                     | Virtual HP Server         | 6/29/2015 | 6/30/2015  | 17,362.50    |              | (17,362.50) | 0.00          | 17,362.50    |               | (17,362.50) | 0.00         |
| 601                     | Virtual HP Server         | 6/29/2015 | 6/30/2015  | 17,362.50    |              | (17,362.50) | 0.00          | 17,362.50    |               | (17,362.50) | 0.00         |
| 621                     | Server-HP DL360Gen9 8     | 8/21/2015 | 8/21/2015  | 11,014.87    |              |             | 11,014.87     | 10,648.00    | 366.00        |             | 11,014.00    |
| 622                     | Server HP DL360 Gen9 8    | 8/21/2015 | 8/21/2015  | 11,014.88    |              |             | 11,014.88     | 10,648.00    | 366.00        |             | 11,014.00    |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                     | Description                | Acquire    | In Service | Beginning  | Additions | Retired      | Ending     | Beginning  | YTD 6/30/2021 | Retired      | Ending     |
|----------------------------|----------------------------|------------|------------|------------|-----------|--------------|------------|------------|---------------|--------------|------------|
| 130 - Computer Hardware    |                            |            |            |            |           |              |            |            |               |              |            |
| 623                        | Switch - HP 3800-24G S     | 8/21/2015  | 8/21/2015  | 7,522.00   |           |              | 7,522.00   | 7,270.00   | 252.00        |              | 7,522.00   |
| 624                        | Switch 5800-24G Switch     | 8/21/2015  | 8/21/2015  | 7,522.00   |           |              | 7,522.00   | 7,270.00   | 252.00        |              | 7,522.00   |
| 645                        | Toshiba Server (Applicat   | 6/14/2016  | 6/14/2016  | 5,528.00   |           |              | 5,528.00   | 4,516.00   | 1,012.00      |              | 5,528.00   |
| 659                        | Router MX104 Edge Roc      | 1/16/2017  | 1/16/2017  | 35,725.93  |           |              | 35,725.93  | 24,412.00  | 7,145.00      |              | 31,557.00  |
| 660                        | Backup Server HP DL380     | 3/2/2017   | 3/2/2017   | 9,536.63   |           |              | 9,536.63   | 6,357.00   | 1,907.00      |              | 8,264.00   |
| 661                        | Backup Server HP DL380     | 3/2/2017   | 3/2/2017   | 9,536.63   |           |              | 9,536.63   | 6,357.00   | 1,907.00      |              | 8,264.00   |
| 662                        | Firewall Fortigate800D U   | 4/2/2017   | 4/2/2017   | 12,337.00  |           |              | 12,337.00  | 8,018.00   | 2,467.00      |              | 10,485.00  |
| 663                        | Firewall Fortigate800D U   | 4/2/2017   | 4/2/2017   | 12,337.00  |           |              | 12,337.00  | 8,018.00   | 2,467.00      |              | 10,485.00  |
| 688                        | StorageArrayNetworkSAI     | 9/29/2017  | 9/29/2017  | 38,555.00  |           |              | 38,555.00  | 21,205.00  | 7,711.00      |              | 28,916.00  |
| 699                        | CiscoNexusSwitch 10G F     | 5/7/2019   | 5/7/2019   | 8,125.00   |           |              | 8,125.00   | 1,896.00   | 1,625.00      |              | 3,521.00   |
| 700                        | Cisco Nexus Switch 48 1    | 5/7/2019   | 5/7/2019   | 8,125.00   |           |              | 8,125.00   | 1,896.00   | 1,625.00      |              | 3,521.00   |
| 705                        | Cisco Nexus Switch N9K     | 7/1/2019   | 7/1/2019   | 10,909.00  |           |              | 10,909.00  | 2,182.00   | 2,182.00      |              | 4,364.00   |
| 709                        | Metasys Server Johnson C   | 9/17/2019  | 9/17/2019  | 15,418.00  |           |              | 15,418.00  | 2,313.00   | 3,084.00      |              | 5,397.00   |
| 714                        | Cisco Nexus Switch9318     | 1/20/2020  | 1/20/2020  | 12,787.50  |           |              | 12,787.50  | 1,066.00   | 2,557.00      |              | 3,623.00   |
| 715                        | Cisco Nexus Switch 9318    | 1/20/2020  | 1/20/2020  | 12,787.50  |           |              | 12,787.50  | 1,066.00   | 2,557.00      |              | 3,623.00   |
| 716                        | Cisco Nexus Switch 9318    | 1/20/2020  | 1/20/2020  | 12,787.50  |           |              | 12,787.50  | 1,066.00   | 2,557.00      |              | 3,623.00   |
| 717                        | Cisco Nexus Switch N93     | 1/20/2020  | 1/20/2020  | 12,787.50  |           |              | 12,787.50  | 1,066.00   | 2,557.00      |              | 3,623.00   |
| 718                        | Fortinet Firewall          | 1/20/2020  | 1/20/2020  | 18,866.45  |           |              | 18,866.45  | 1,572.00   | 3,773.00      |              | 5,345.00   |
| 719                        | Fortinet Firewall          | 1/20/2020  | 1/20/2020  | 18,866.45  |           |              | 18,866.45  | 1,572.00   | 3,773.00      |              | 5,345.00   |
| 724                        | AppleMACPro                | 6/19/2020  | 6/19/2020  | 7,907.83   |           |              | 7,907.83   |            | 1,581.00      |              | 1,581.00   |
|                            |                            |            |            | 570,932.90 | 0.00      | (216,255.09) | 354,677.81 | 401,344.13 | 53,723.00     | (216,255.09) | 238,812.04 |
| 140 - Equipment & Fixtures |                            |            |            |            |           |              |            |            |               |              |            |
| 119                        | Telephone Equipment        | 6/1/2006   | 6/1/2006   | 3,927.47   |           |              | 3,927.47   | 3,926.69   |               |              | 3,926.69   |
| 120                        | Kubota RTV900T6H Utili     | 10/31/2006 | 10/31/2006 | 16,535.00  |           |              | 16,535.00  | 16,535.00  |               |              | 16,535.00  |
| 121                        | John Deere 304J Wheel L    | 11/30/2006 | 11/30/2006 | 89,701.26  |           |              | 89,701.26  | 89,700.83  |               |              | 89,700.83  |
| 122                        | Solomon Corp 1000kva,1     | 3/16/2007  | 3/16/2007  | 8,017.33   |           |              | 8,017.33   | 3,650.43   | 200.00        |              | 3,850.43   |
| 179                        | Softstart Controllers 700H | 6/30/2007  | 6/30/2007  | 167,350.00 |           |              | 167,350.00 | 133,883.67 | 11,157.00     |              | 145,040.67 |
| 123                        | Oxygen Booster Pumps C     | 7/1/2007   | 7/1/2007   | 21,400.00  |           |              | 21,400.00  | 21,400.00  |               |              | 21,400.00  |
| 124                        | Command Modules Com        | 7/1/2007   | 7/1/2007   | 18,589.00  |           |              | 18,589.00  | 18,589.00  |               |              | 18,589.00  |
| 125                        | Self-Contained Breathing   | 7/1/2007   | 7/1/2007   | 97,720.00  |           |              | 97,720.00  | 97,720.00  |               |              | 97,720.00  |
| 207                        | Motor GE 700HP HL840       | 9/24/2007  | 9/24/2007  | 28,370.67  |           |              | 28,370.67  | 17,016.53  | 1,418.00      |              | 18,434.53  |
| 154                        | 700HP Kirk Timberyard      | 11/29/2007 | 11/29/2007 | 25,860.76  |           |              | 25,860.76  | 10,344.03  | 862.00        |              | 11,206.03  |
| 168                        | Transformer 225 KVA Ti     | 12/17/2007 | 12/17/2007 | 12,355.22  |           |              | 12,355.22  | 3,707.88   | 309.00        |              | 4,016.88   |
| 126                        | Safety Apparatus (7 pack   | 12/31/2007 | 12/31/2007 | 48,860.00  |           |              | 48,860.00  | 48,860.00  |               |              | 48,860.00  |
| 213                        | Transformer GE 500KVA      | 2/27/2008  | 2/27/2008  | 7,350.00   |           |              | 7,350.00   | 2,207.75   | 184.00        |              | 2,391.75   |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                     | Description              | Acquire   | In Service | Beginning  | Additions | Retired | Ending     | Beginning | YTD 6/30/2021 | Retired | Ending    |
|----------------------------|--------------------------|-----------|------------|------------|-----------|---------|------------|-----------|---------------|---------|-----------|
| 140 - Equipment & Fixtures |                          |           |            |            |           |         |            |           |               |         |           |
| 220                        | Transformer GE 500KVA    | 2/27/2008 | 2/27/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 221                        | Transformer Howard Ind   | 2/27/2008 | 2/27/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 223                        | Transformer Howard Ind   | 2/27/2008 | 2/27/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 224                        | Transformer Solomon 100  | 2/27/2008 | 2/27/2008  | 5,900.00   |           |         | 5,900.00   | 1,775.50  | 148.00        |         | 1,923.50  |
| 225                        | Transformer Solomon 100  | 2/27/2008 | 2/27/2008  | 5,900.00   |           |         | 5,900.00   | 1,775.50  | 148.00        |         | 1,923.50  |
| 226                        | Transformer Solomon 100  | 2/27/2008 | 2/27/2008  | 5,900.00   |           |         | 5,900.00   | 1,775.50  | 148.00        |         | 1,923.50  |
| 227                        | Transformer Howard Ind   | 2/27/2008 | 2/27/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 228                        | Transformer GE 75KVA     | 2/27/2008 | 2/27/2008  | 5,800.00   |           |         | 5,800.00   | 1,740.00  | 145.00        |         | 1,885.00  |
| 229                        | Transformer GE 75KVA     | 2/27/2008 | 2/27/2008  | 5,800.00   |           |         | 5,800.00   | 1,740.00  | 145.00        |         | 1,885.00  |
| 230                        | Transformer GE 75KVA     | 2/27/2008 | 2/27/2008  | 5,800.00   |           |         | 5,800.00   | 1,740.00  | 145.00        |         | 1,885.00  |
| 218                        | Transformer GE 500KVA    | 2/28/2008 | 2/28/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 129                        | 3 Ton Locomotive Batter  | 2/29/2008 | 2/29/2008  | 7,884.00   |           |         | 7,884.00   | 7,884.00  |               |         | 7,884.00  |
| 201                        | Pump Ingersoll Rand 037  | 3/12/2008 | 3/12/2008  | 91,206.72  |           |         | 91,206.72  | 43,776.27 | 3,648.00      |         | 47,424.27 |
| 211                        | Transformer GE 500KVA    | 3/25/2008 | 3/25/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 212                        | Transformer GE 500KVA    | 3/25/2008 | 3/25/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 214                        | Transformer Westinghou   | 3/25/2008 | 3/25/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 216                        | Transformer Westinghou   | 3/25/2008 | 3/25/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 217                        | Transformer Westinghou   | 3/25/2008 | 3/25/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 219                        | Transformer GE 500KVA    | 3/25/2008 | 3/25/2008  | 7,350.00   |           |         | 7,350.00   | 2,207.75  | 184.00        |         | 2,391.75  |
| 144                        | Cranes                   | 4/30/2008 | 4/30/2008  | 100,509.34 |           |         | 100,509.34 | 16,080.12 | 1,340.00      |         | 17,420.12 |
| 204                        | Motor GE 700HP FM84C     | 5/6/2008  | 5/6/2008   | 32,772.50  |           |         | 32,772.50  | 19,667.63 | 1,639.00      |         | 21,306.63 |
| 190                        | Troll 9500 Water Sample  | 5/14/2008 | 5/14/2008  | 8,325.92   |           |         | 8,325.92   | 8,324.59  |               |         | 8,324.59  |
| 180                        | Axial Flow Mine Fan 15C  | 5/30/2008 | 5/30/2008  | 53,484.75  |           |         | 53,484.75  | 32,088.24 | 2,674.00      |         | 34,762.24 |
| 142                        | Base Interface 4 channel | 6/18/2008 | 6/18/2008  | 6,011.00   |           |         | 6,011.00   | 6,011.00  |               |         | 6,011.00  |
| 132                        | Telephone System Additi  | 6/30/2008 | 6/30/2008  | 11,371.31  |           |         | 11,371.31  | 11,371.00 |               |         | 11,371.00 |
| 166                        | Ross Hoist (2)           | 6/30/2008 | 6/30/2008  | 121,842.89 |           |         | 121,842.89 | 19,499.57 | 1,625.00      |         | 21,124.57 |
| 169                        | Transformer GE 5MVA 1    | 7/1/2008  | 7/1/2008   | 5,000.00   |           |         | 5,000.00   | 1,500.00  | 125.00        |         | 1,625.00  |
| 171                        | Transformer GE 1500KV    | 7/1/2008  | 7/1/2008   | 5,000.00   |           |         | 5,000.00   | 1,500.00  | 125.00        |         | 1,625.00  |
| 172                        | Transformer GE 10,000K   | 7/1/2008  | 7/1/2008   | 10,000.00  |           |         | 10,000.00  | 3,000.00  | 250.00        |         | 3,250.00  |
| 173                        | Transformer GE 20,000K   | 7/1/2008  | 7/1/2008   | 15,000.00  |           |         | 15,000.00  | 4,500.00  | 375.00        |         | 4,875.00  |
| 174                        | Transformer GE 10,000 F  | 7/1/2008  | 7/1/2008   | 10,000.00  |           |         | 10,000.00  | 3,000.00  | 250.00        |         | 3,250.00  |
| 175                        | Transformer GE 10,000K   | 7/1/2008  | 7/1/2008   | 10,000.00  |           |         | 10,000.00  | 3,000.00  | 250.00        |         | 3,250.00  |
| 247                        | MG Sets (2) Yates        | 7/1/2008  | 7/1/2008   | 60,000.00  |           |         | 60,000.00  | 9,600.00  | 800.00        |         | 10,400.00 |
| 235                        | FLYGT Centrifugal Pumj   | 7/23/2008 | 7/23/2008  | 11,997.23  |           |         | 11,997.23  | 5,719.90  | 480.00        |         | 6,199.90  |
| 202                        | Pump Ingersoll Rand 213  | 8/1/2008  | 8/1/2008   | 22,508.00  |           |         | 22,508.00  | 10,725.29 | 900.00        |         | 11,625.29 |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID Description            | Acquire    | In Service | Beginning  | Additions | Retired     | Ending     | Beginning  | YTD 6/30/2021 | Retired     | Ending     |
|-------------------------------|------------|------------|------------|-----------|-------------|------------|------------|---------------|-------------|------------|
| 140 - Equipment & Fixtures    |            |            |            |           |             |            |            |               |             |            |
| 203 Pump Ingersoll Rand 675   | 8/1/2008   | 8/1/2008   | 130,646.97 |           |             | 130,646.97 | 62,276.39  | 5,226.00      |             | 67,502.39  |
| 234 Diesel Generator - WWTP   | 8/1/2008   | 8/1/2008   | 5,000.00   |           |             | 5,000.00   | 5,000.00   |               |             | 5,000.00   |
| 236 FLYGT 10HP Pumps (2)      | 8/1/2008   | 8/1/2008   | 12,000.00  |           |             | 12,000.00  | 5,720.00   | 480.00        |             | 6,200.00   |
| 237 FLYGT 15HP Pumps (2)      | 8/1/2008   | 8/1/2008   | 18,000.00  |           |             | 18,000.00  | 8,580.00   | 720.00        |             | 9,300.00   |
| 241 Rotating Biological Cont  | 8/1/2008   | 8/1/2008   | 206,014.95 |           |             | 206,014.95 | 49,096.94  | 4,120.00      |             | 53,216.94  |
| 242 Sand Filter Galiger Pump  | 8/1/2008   | 8/1/2008   | 15,000.00  |           |             | 15,000.00  | 7,150.00   | 600.00        |             | 7,750.00   |
| 243 Sand Filters (3) WWTP     | 8/1/2008   | 8/1/2008   | 45,000.00  |           |             | 45,000.00  | 10,725.00  | 900.00        |             | 11,625.00  |
| 245 Soda Ash System           | 8/1/2008   | 8/1/2008   | 9,573.70   |           |             | 9,573.70   | 2,276.52   | 191.00        |             | 2,467.52   |
| 188 Electric Winch (WE271)    | 8/15/2008  | 8/15/2008  | 47,187.00  |           |             | 47,187.00  | 11,249.10  | 944.00        |             | 12,193.10  |
| 231 Fume Hood for Lab Cabi    | 8/22/2008  | 8/22/2008  | 5,989.95   |           |             | 5,989.95   | 5,989.16   |               |             | 5,989.16   |
| 205 Motor GE 700HP FM84C      | 8/25/2008  | 8/25/2008  | 38,004.39  |           |             | 38,004.39  | 22,483.52  | 1,900.00      |             | 24,383.52  |
| 156 MG Sets (2) Ross          | 8/31/2008  | 8/31/2008  | 60,000.00  |           | (60,000.00) | 0.00       | 9,466.67   | 600.00        | (10,066.67) | 0.00       |
| 194 Yates Hoists (2)          | 8/31/2008  | 8/31/2008  | 89,168.26  |           |             | 89,168.26  | 14,069.76  | 1,189.00      |             | 15,258.76  |
| 209 Motor GE 700HP HL840      | 9/22/2008  | 9/22/2008  | 31,362.30  |           |             | 31,362.30  | 18,424.09  | 1,568.00      |             | 19,992.09  |
| 150 Kubota GL7000 Generatc    | 10/21/2008 | 10/21/2008 | 5,300.00   |           |             | 5,300.00   | 5,300.00   |               |             | 5,300.00   |
| 232 Cornell Pumps W/Baldor    | 10/29/2008 | 10/29/2008 | 27,102.98  |           |             | 27,102.98  | 12,646.75  | 1,084.00      |             | 13,730.75  |
| 157 Miller Trailblazer 3020 V | 11/5/2008  | 11/5/2008  | 7,430.00   |           |             | 7,430.00   | 7,430.00   |               |             | 7,430.00   |
| 206 Motor GE 700HP FM839      | 11/24/2008 | 11/24/2008 | 35,025.30  |           |             | 35,025.30  | 20,282.57  | 1,751.00      |             | 22,033.57  |
| 149 FSM-60S Fusion Splice F   | 11/28/2008 | 11/28/2008 | 19,810.00  |           |             | 19,810.00  | 15,301.39  | 1,321.00      |             | 16,622.39  |
| 136 Admin. Bldg. Heating/Cc   | 11/30/2008 | 11/30/2008 | 32,493.88  |           |             | 32,493.88  | 32,493.48  |               |             | 32,493.48  |
| 244 Seepex 200 GPM Pump /     | 12/15/2008 | 12/15/2008 | 16,316.24  |           |             | 16,316.24  | 7,563.71   | 653.00        |             | 8,216.71   |
| 238 Hoffman 3R Wall Mount     | 12/24/2008 | 12/24/2008 | 11,657.72  |           |             | 11,657.72  | 8,935.59   | 777.00        |             | 9,712.59   |
| 148 Franklin 8" Sand Fighter  | 12/29/2008 | 12/29/2008 | 44,457.42  |           |             | 44,457.42  | 25,564.44  | 2,223.00      |             | 27,787.44  |
| 161 1,000,000BTU Indirect F   | 12/30/2008 | 12/30/2008 | 15,537.00  |           |             | 15,537.00  | 15,536.85  |               |             | 15,536.85  |
| 143 (1) Benshaw Softstart 700 | 1/6/2009   | 1/6/2009   | 35,257.43  |           |             | 35,257.43  | 27,025.25  | 2,350.00      |             | 29,375.25  |
| 162 VFD Pump Controller 15    | 2/2/2009   | 2/2/2009   | 23,100.00  |           |             | 23,100.00  | 17,581.67  | 1,540.00      |             | 19,121.67  |
| 163 VFD Pump Controller 20    | 2/2/2009   | 2/2/2009   | 46,200.00  |           |             | 46,200.00  | 35,163.33  | 3,080.00      |             | 38,243.33  |
| 160 Portable Air Conditioner  | 2/6/2009   | 2/6/2009   | 11,325.40  |           |             | 11,325.40  | 11,324.89  |               |             | 11,324.89  |
| 146 Float Valves for Yates (1 | 2/9/2009   | 2/9/2009   | 114,346.31 |           |             | 114,346.31 | 114,346.31 |               |             | 114,346.31 |
| 145 Crane #6 Winze Undergr    | 2/19/2009  | 2/19/2009  | 10,631.95  |           |             | 10,631.95  | 1,609.25   | 142.00        |             | 1,751.25   |
| 200 Pump Ingersoll Rand 107   | 2/25/2009  | 2/25/2009  | 122,676.93 |           |             | 122,676.93 | 55,612.69  | 4,907.00      |             | 60,519.69  |
| 208 Motor GE 700HP ZRH28      | 3/5/2009   | 3/5/2009   | 27,154.00  |           |             | 27,154.00  | 15,390.57  | 1,358.00      |             | 16,748.57  |
| 158 3000HP American David     | 3/6/2009   | 3/6/2009   | 78,752.15  |           |             | 78,752.15  | 29,750.02  | 2,625.00      |             | 32,375.02  |
| 199 Pump Ingersoll Rand 100   | 3/28/2009  | 3/28/2009  | 147,258.51 |           |             | 147,258.51 | 66,262.59  | 5,890.00      |             | 72,152.59  |
| 192 Western Tornado Sand Sj   | 4/1/2009   | 4/1/2009   | 5,168.50   |           |             | 5,168.50   | 5,168.21   |               |             | 5,168.21   |



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| Sys ID                     | Description                | Acquire    | In Service | Beginning  | Additions | Retired | Ending     | Beginning  | YTD 6/30/2021 | Retired | Ending     |
|----------------------------|----------------------------|------------|------------|------------|-----------|---------|------------|------------|---------------|---------|------------|
| 140 - Equipment & Fixtures |                            |            |            |            |           |         |            |            |               |         |            |
| 147                        | Danfoss Flowmatic Chec     | 4/2/2009   | 4/2/2009   | 6,919.11   |           |         | 6,919.11   | 6,918.98   |               |         | 6,918.98   |
| 198                        | Pump Ingersoll Rand 372    | 4/30/2009  | 4/30/2009  | 55,987.45  |           |         | 55,987.45  | 25,002.25  | 2,239.00      |         | 27,241.25  |
| 164                        | VFD 150 HP Control Par     | 5/14/2009  | 5/14/2009  | 12,705.00  |           |         | 12,705.00  | 9,458.17   | 847.00        |         | 10,305.17  |
| 181                        | Trojan 3.25 Locomotive     | 6/10/2009  | 6/10/2009  | 47,115.60  |           |         | 47,115.60  | 23,341.00  | 2,106.00      |         | 25,447.00  |
| 182                        | Battery for Trojan Locom   | 6/10/2009  | 6/10/2009  | 11,000.00  |           |         | 11,000.00  | 10,999.95  |               |         | 10,999.95  |
| 153                        | Huron 560 Wall Tank and    | 6/11/2009  | 6/11/2009  | 6,098.08   |           |         | 6,098.08   | 3,380.41   | 305.00        |         | 3,685.41   |
| 138                        | Ansul Inergen Fire Suppr   | 6/23/2009  | 6/23/2009  | 12,919.00  |           |         | 12,919.00  | 9,471.00   | 861.00        |         | 10,332.00  |
| 155                        | Lift Bag Kit Light US&R    | 6/25/2009  | 6/25/2009  | 16,750.00  |           |         | 16,750.00  | 16,750.00  |               |         | 16,750.00  |
| 135                        | Telephone Expansion        | 6/26/2009  | 6/26/2009  | 28,249.27  |           |         | 28,249.27  | 28,249.00  |               |         | 28,249.00  |
| 140                        | 2008 Artic Cat 700 Dese    | 6/30/2009  | 6/30/2009  | 10,244.54  |           |         | 10,244.54  | 9,732.00   |               |         | 9,732.00   |
| 141                        | 2008 Artic Cat 700 Dese    | 6/30/2009  | 6/30/2009  | 10,244.55  |           |         | 10,244.55  | 9,732.00   |               |         | 9,732.00   |
| 195                        | Ross Fuel Tank/Stand/Cc    | 6/30/2009  | 6/30/2009  | 21,100.39  |           |         | 21,100.39  | 21,100.00  |               |         | 21,100.00  |
| 353                        | JD Skid Steer 315 W/CE     | 7/18/2009  | 7/18/2009  | 23,241.00  |           |         | 23,241.00  | 23,241.00  |               |         | 23,241.00  |
| 354                        | Trojan 3.25 Locomotive     | 8/28/2009  | 8/28/2009  | 46,692.71  |           |         | 46,692.71  | 22,587.00  | 2,085.00      |         | 24,672.00  |
| 355                        | .36Cell/72 Volt Battery fi | 8/28/2009  | 8/28/2009  | 11,000.00  |           |         | 11,000.00  | 11,000.00  |               |         | 11,000.00  |
| 358                        | High Voltage Cable Testi   | 9/23/2009  | 9/23/2009  | 7,920.00   |           |         | 7,920.00   | 7,920.00   |               |         | 7,920.00   |
| 359                        | Water Meter LUX Surfac     | 10/1/2009  | 10/1/2009  | 6,011.30   |           |         | 6,011.30   | 6,011.00   |               |         | 6,011.00   |
| 360                        | Wall Mounted Enclosure     | 10/1/2009  | 10/1/2009  | 7,200.00   |           |         | 7,200.00   | 5,160.00   | 480.00        |         | 5,640.00   |
| 361                        | 8-1/2' Western Ultramou    | 10/1/2009  | 10/1/2009  | 5,309.25   |           |         | 5,309.25   | 5,309.00   |               |         | 5,309.00   |
| 362                        | Benshaw Softstart 700HF    | 10/1/2009  | 10/1/2009  | 35,257.43  |           |         | 35,257.43  | 25,263.00  | 2,350.00      |         | 27,613.00  |
| 364                        | Vertical Diesel Symo Pov   | 10/22/2009 | 10/22/2009 | 8,665.05   |           |         | 8,665.05   | 8,665.00   |               |         | 8,665.00   |
| 365                        | Vertical Diesel Symo Pov   | 10/22/2009 | 10/22/2009 | 5,721.30   |           |         | 5,721.30   | 5,721.00   |               |         | 5,721.00   |
| 366                        | Wall Mounted Enclosure     | 11/1/2009  | 11/1/2009  | 7,200.00   |           |         | 7,200.00   | 5,120.00   | 480.00        |         | 5,600.00   |
| 367                        | Spendrup 350HP Fan at C    | 11/1/2009  | 11/1/2009  | 83,092.63  |           |         | 83,092.63  | 44,320.00  | 4,155.00      |         | 48,475.00  |
| 368                        | 500KVA Transformer3 P      | 11/1/2009  | 11/1/2009  | 18,465.41  |           |         | 18,465.41  | 4,928.00   | 462.00        |         | 5,390.00   |
| 369                        | Baldor VFD Motors 350I     | 11/1/2009  | 11/1/2009  | 61,000.00  |           |         | 61,000.00  | 32,533.00  | 3,050.00      |         | 35,583.00  |
| 370                        | Benshaw Switch Disconn     | 11/1/2009  | 11/1/2009  | 8,791.96   |           |         | 8,791.96   | 6,251.00   | 586.00        |         | 6,837.00   |
| 371                        | GE700HP GE Pump Mot        | 11/1/2009  | 11/1/2009  | 31,986.00  |           |         | 31,986.00  | 17,056.00  | 1,599.00      |         | 18,655.00  |
| 372                        | 350HP Spendrup Fan at #    | 11/10/2009 | 11/10/2009 | 106,641.04 |           |         | 106,641.04 | 56,875.00  | 5,332.00      |         | 62,207.00  |
| 374                        | S&C PMX Modular Met        | 12/1/2009  | 12/1/2009  | 27,059.00  |           |         | 27,059.00  | 19,092.00  | 1,804.00      |         | 20,896.00  |
| 375                        | GE 8000 Series Breaker I   | 12/3/2009  | 12/3/2009  | 6,464.69   |           |         | 6,464.69   | 4,561.00   | 431.00        |         | 4,992.00   |
| 376                        | GE Spectra Series Switch   | 12/3/2009  | 12/3/2009  | 7,239.85   |           |         | 7,239.85   | 5,112.00   | 483.00        |         | 5,595.00   |
| 377                        | (2) A Bradley Powerflex    | 12/3/2009  | 12/3/2009  | 15,068.40  |           |         | 15,068.40  | 10,636.00  | 1,005.00      |         | 11,641.00  |
| 378                        | Multi Media Sand Filter    | 12/3/2009  | 12/3/2009  | 615,021.84 |           |         | 615,021.84 | 130,175.00 | 12,300.00     |         | 142,475.00 |
| 397                        | Telephone System Upgra     | 12/7/2009  | 12/7/2009  | 17,712.14  |           |         | 17,712.14  | 17,712.00  |               |         | 17,712.00  |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID Description          | Acquire    | In Service | Beginning  | Additions | Retired | Ending     | Beginning  | YTD 6/30/2021 | Retired | Ending     |
|-----------------------------|------------|------------|------------|-----------|---------|------------|------------|---------------|---------|------------|
| 140 - Equipment & Fixtures  |            |            |            |           |         |            |            |               |         |            |
| 379 Johnson Controls HVAC   | 1/1/2010   | 1/1/2010   | 18,921.00  |           |         | 18,921.00  | 18,921.00  |               |         | 18,921.00  |
| 380 Johnson Controls HVAC   | 1/1/2010   | 1/1/2010   | 20,427.00  |           |         | 20,427.00  | 20,427.00  |               |         | 20,427.00  |
| 381 HVAC Air Handling Uni   | 1/1/2010   | 1/1/2010   | 20,862.92  |           |         | 20,862.92  | 20,862.00  |               |         | 20,862.00  |
| 382 Chemical Outdoor Stora  | 1/15/2010  | 1/15/2010  | 28,869.55  |           |         | 28,869.55  | 15,152.00  | 1,443.00      |         | 16,595.00  |
| 383 HydraulicClamb/Pneuma   | 1/25/2010  | 1/25/2010  | 26,940.00  |           |         | 26,940.00  | 26,940.00  |               |         | 26,940.00  |
| 384 Fire Pump               | 2/1/2010   | 2/1/2010   | 13,163.08  |           |         | 13,163.08  | 13,163.00  |               |         | 13,163.00  |
| 385 Jockey Pump             | 2/1/2010   | 2/1/2010   | 13,163.08  |           |         | 13,163.08  | 13,163.00  |               |         | 13,163.00  |
| 386 HY-25XLT 2-1/2" Sq Dr   | 2/4/2010   | 2/4/2010   | 13,957.43  |           |         | 13,957.43  | 13,957.00  |               |         | 13,957.00  |
| 399 Telephone System LUX S  | 2/15/2010  | 2/15/2010  | 9,218.04   |           |         | 9,218.04   | 9,218.00   |               |         | 9,218.00   |
| 387 Wall Mounted Enclosure  | 3/1/2010   | 3/1/2010   | 7,200.00   |           |         | 7,200.00   | 4,960.00   | 480.00        |         | 5,440.00   |
| 388 S&C PMX Modular Met     | 3/1/2010   | 3/1/2010   | 27,059.00  |           |         | 27,059.00  | 18,641.00  | 1,804.00      |         | 20,445.00  |
| 389 GE Switchgear           | 3/1/2010   | 3/1/2010   | 58,844.32  |           |         | 58,844.32  | 40,538.00  | 3,923.00      |         | 44,461.00  |
| 390 MQ Generator 15KW Mc    | 3/1/2010   | 3/1/2010   | 10,117.00  |           |         | 10,117.00  | 10,117.00  |               |         | 10,117.00  |
| 391 Atlas Copco XAS 185 CI  | 3/1/2010   | 3/1/2010   | 8,924.50   |           |         | 8,924.50   | 8,924.00   |               |         | 8,924.00   |
| 392 Atlas Copco XAS 185 CI  | 3/1/2010   | 3/1/2010   | 8,924.50   |           |         | 8,924.50   | 8,924.00   |               |         | 8,924.00   |
| 393 115V PSI Hytore Pump    | 3/30/2010  | 3/30/2010  | 5,108.37   |           |         | 5,108.37   | 5,108.00   |               |         | 5,108.00   |
| 394 Clean Room-Surface Lab  | 5/31/2010  | 5/31/2010  | 116,000.00 |           |         | 116,000.00 | 116,000.00 |               |         | 116,000.00 |
| 395 S&C Metal Enclosed Fus  | 6/30/2010  | 6/30/2010  | 7,200.00   |           |         | 7,200.00   | 4,800.00   | 480.00        |         | 5,280.00   |
| 398 Telephone System Upgra  | 6/30/2010  | 6/30/2010  | 8,451.00   |           |         | 8,451.00   | 8,451.00   |               |         | 8,451.00   |
| 400 Telephone System Ross I | 6/30/2010  | 6/30/2010  | 6,683.90   |           |         | 6,683.90   | 6,683.00   |               |         | 6,683.00   |
| 426 S&C Wall-Mounted Met    | 7/1/2010   | 7/1/2010   | 7,200.00   |           |         | 7,200.00   | 4,800.00   | 480.00        |         | 5,280.00   |
| 430 Chem Grout Machine Pu   | 7/29/2010  | 7/29/2010  | 5,500.00   |           |         | 5,500.00   | 5,454.00   | 46.00         |         | 5,500.00   |
| 420 Bobcat Skidsteer S300 D | 8/2/2010   | 8/2/2010   | 33,030.64  |           |         | 33,030.64  | 32,755.00  | 275.00        |         | 33,030.00  |
| 423 Air Compressor 125HP F  | 9/1/2010   | 9/1/2010   | 18,515.00  |           |         | 18,515.00  | 18,211.00  | 304.00        |         | 18,515.00  |
| 422 JD Angle Broom for Skid | 9/3/2010   | 9/3/2010   | 5,925.00   |           |         | 5,925.00   | 5,822.00   | 103.00        |         | 5,925.00   |
| 421 S&C PMX Modular Met     | 9/16/2010  | 9/16/2010  | 27,059.00  |           |         | 27,059.00  | 17,589.00  | 1,804.00      |         | 19,393.00  |
| 439 Ross Dry Phone/Data Sys | 9/24/2010  | 9/24/2010  | 9,183.36   |           |         | 9,183.36   | 8,951.00   | 232.00        |         | 9,183.00   |
| 440 Ross Shaft UG Phone/Da  | 10/25/2010 | 10/25/2010 | 8,550.63   |           |         | 8,550.63   | 8,265.00   | 285.00        |         | 8,550.00   |
| 441 Yates E&O Phone/Data S  | 11/30/2010 | 11/30/2010 | 12,314.24  |           |         | 12,314.24  | 11,797.00  | 517.00        |         | 12,314.00  |
| 424 Radon Monitor Alphagua  | 12/1/2010  | 12/1/2010  | 15,028.98  |           |         | 15,028.98  | 14,404.00  | 624.00        |         | 15,028.00  |
| 416 Locomotive 1975 8 Ton # | 1/27/2011  | 1/27/2011  | 130,000.00 |           |         | 130,000.00 | 130,000.00 |               |         | 130,000.00 |
| 417 Locomotive 1975 8 Ton # | 1/27/2011  | 1/27/2011  | 130,000.00 |           |         | 130,000.00 | 130,000.00 |               |         | 130,000.00 |
| 418 Loader 2007 LT 210 #07- | 1/27/2011  | 1/27/2011  | 195,000.00 |           |         | 195,000.00 | 183,625.00 | 11,375.00     |         | 195,000.00 |
| 427 Shotcrete Mixing Auger  | 2/28/2011  | 2/28/2011  | 18,450.00  |           |         | 18,450.00  | 17,220.00  | 1,230.00      |         | 18,450.00  |
| 438 Admin Building Phone/D  | 3/1/2011   | 3/1/2011   | 3,876.26   |           |         | 3,876.26   | 3,621.00   | 255.00        |         | 3,876.00   |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                     | Description                | Acquire   | In Service | Beginning  | Additions | Retired     | Ending     | Beginning  | YTD 6/30/2021 | Retired     | Ending     |
|----------------------------|----------------------------|-----------|------------|------------|-----------|-------------|------------|------------|---------------|-------------|------------|
| 140 - Equipment & Fixtures |                            |           |            |            |           |             |            |            |               |             |            |
| 432                        | Loader 2007 LT350 #07-     | 5/31/2011 | 5/31/2011  | 230,000.00 |           |             | 230,000.00 | 208,917.00 | 21,083.00     |             | 230,000.00 |
| 451                        | JD XAS 375 CFM Air C       | 9/1/2011  | 9/1/2011   | 27,900.00  |           |             | 27,900.00  | 24,645.00  | 2,790.00      |             | 27,435.00  |
| 469                        | Transformer 45KVA 600      | 9/1/2011  | 9/1/2011   | 5,298.00   |           |             | 5,298.00   | 1,166.00   | 132.00        |             | 1,298.00   |
| 453                        | Battery Charger for 9-Ton  | 1/1/2012  | 1/1/2012   | 6,127.78   |           |             | 6,127.78   | 5,210.00   | 613.00        |             | 5,823.00   |
| 455                        | TEI 260 Hydraulic Percu    | 1/1/2012  | 1/1/2012   | 32,949.71  |           |             | 32,949.71  | 28,007.00  | 3,295.00      |             | 31,302.00  |
| 454                        | Lefon Portable Electric P. | 1/4/2012  | 1/4/2012   | 8,218.50   |           |             | 8,218.50   | 6,987.00   | 822.00        |             | 7,809.00   |
| 461                        | Lull 54' Telescopic Forkli | 1/12/2012 | 1/12/2012  | 52,500.00  |           | (52,500.00) | 0.00       | 44,625.00  | 4,812.50      | (49,437.50) | 0.00       |
| 456                        | Ross Shaft Work Deck       | 1/20/2012 | 1/20/2012  | 16,395.00  |           | (16,395.00) | 0.00       | 13,803.00  | 683.00        | (14,486.00) | 0.00       |
| 459                        | JD 315 Skid Steer W/Buc    | 2/10/2012 | 2/10/2012  | 25,234.00  |           |             | 25,234.00  | 21,235.00  | 2,523.00      |             | 23,758.00  |
| 457                        | GE 1500KVA 480/277V        | 3/1/2012  | 3/1/2012   | 102,230.90 |           |             | 102,230.90 | 21,300.00  | 2,556.00      |             | 23,856.00  |
| 458                        | GE Switchboard 1500KV      | 3/1/2012  | 3/1/2012   | 20,762.10  |           |             | 20,762.10  | 11,533.00  | 1,384.00      |             | 12,917.00  |
| 462                        | Yates Hoist South Cage     | 5/1/2012  | 5/1/2012   | 123,484.05 |           |             | 123,484.05 | 100,842.00 | 12,348.00     |             | 113,190.00 |
| 480                        | Rope Dog System Yates      | 5/1/2012  | 5/1/2012   | 69,642.40  |           |             | 69,642.40  | 56,873.00  | 6,964.00      |             | 63,837.00  |
| 599                        | Yates Rope Dog System      | 5/1/2012  | 5/1/2012   | 227,216.99 |           |             | 227,216.99 | 120,510.87 | 15,148.00     |             | 135,658.87 |
| 463                        | Caterpillar Diesel Genera  | 5/3/2012  | 5/3/2012   | 54,313.83  |           |             | 54,313.83  | 44,353.00  | 5,431.00      |             | 49,784.00  |
| 464                        | Profi 1-Ton Air Hoist 25'  | 5/8/2012  | 5/8/2012   | 6,970.00   |           | (6,970.00)  | 0.00       | 5,692.00   | 348.00        | (6,040.00)  | 0.00       |
| 465                        | Profi 1-Ton Air Hoist 25'  | 5/8/2012  | 5/8/2012   | 6,970.00   |           | (6,970.00)  | 0.00       | 5,692.00   | 348.00        | (6,040.00)  | 0.00       |
| 470                        | S&C Metal Enclosed Swi     | 6/1/2012  | 6/1/2012   | 21,656.40  |           |             | 21,656.40  | 11,672.00  | 1,444.00      |             | 13,116.00  |
| 471                        | S&C Metal Enclosed Swi     | 6/1/2012  | 6/1/2012   | 21,656.40  |           |             | 21,656.40  | 11,672.00  | 1,444.00      |             | 13,116.00  |
| 472                        | S&C Metal Enclosed Swi     | 6/1/2012  | 6/1/2012   | 21,656.40  |           |             | 21,656.40  | 11,672.00  | 1,444.00      |             | 13,116.00  |
| 473                        | S&C Metal Enclosed Swi     | 6/1/2012  | 6/1/2012   | 21,656.40  |           |             | 21,656.40  | 11,672.00  | 1,444.00      |             | 13,116.00  |
| 474                        | S&C Metal Enclosed Swi     | 6/1/2012  | 6/1/2012   | 21,656.40  |           |             | 21,656.40  | 11,672.00  | 1,444.00      |             | 13,116.00  |
| 475                        | Multilin PQM II Meter fo   | 6/1/2012  | 6/1/2012   | 5,389.00   |           |             | 5,389.00   | 2,902.00   | 359.00        |             | 3,261.00   |
| 466                        | Scanstation C10 Laser Sc   | 6/5/2012  | 6/5/2012   | 59,609.44  |           |             | 59,609.44  | 48,185.00  | 5,961.00      |             | 54,146.00  |
| 467                        | Refuge Chamber 6X6X1'      | 6/19/2012 | 6/19/2012  | 38,105.00  |           | (38,105.00) | 0.00       | 15,240.00  | 476.00        | (15,716.00) | 0.00       |
| 468                        | Refuge Chamber 6X6X1'      | 6/19/2012 | 6/19/2012  | 38,105.00  |           | (38,105.00) | 0.00       | 15,240.00  | 476.00        | (15,716.00) | 0.00       |
| 496                        | Justice Fire & Safety Pan  | 7/1/2012  | 7/1/2012   | 7,588.00   |           |             | 7,588.00   | 4,048.00   | 506.00        |             | 4,554.00   |
| 497                        | Quincy Air Regulator       | 7/1/2012  | 7/1/2012   | 17,788.76  |           |             | 17,788.76  | 14,232.00  | 1,779.00      |             | 16,011.00  |
| 498                        | Cornell McKeon Rollup I    | 7/1/2012  | 7/1/2012   | 8,980.00   |           |             | 8,980.00   | 4,792.00   | 599.00        |             | 5,391.00   |
| 499                        | Rheem Water Heater         | 7/1/2012  | 7/1/2012   | 10,070.00  |           |             | 10,070.00  | 8,056.00   | 1,007.00      |             | 9,063.00   |
| 500                        | Johnson Controls Air Hat   | 7/1/2012  | 7/1/2012   | 25,071.00  |           |             | 25,071.00  | 20,056.00  | 2,507.00      |             | 22,563.00  |
| 501                        | Johnson Controls Air Hat   | 7/1/2012  | 7/1/2012   | 21,529.00  |           |             | 21,529.00  | 17,224.00  | 2,153.00      |             | 19,377.00  |
| 502                        | Johnson Controls Air Hat   | 7/1/2012  | 7/1/2012   | 21,529.00  |           |             | 21,529.00  | 17,224.00  | 2,153.00      |             | 19,377.00  |
| 503                        | Johnson Controls Air Hat   | 7/1/2012  | 7/1/2012   | 17,039.00  |           |             | 17,039.00  | 13,632.00  | 1,704.00      |             | 15,336.00  |
| 506                        | Johnson Controls Air Hat   | 7/1/2012  | 7/1/2012   | 17,436.00  |           |             | 17,436.00  | 13,952.00  | 1,744.00      |             | 15,696.00  |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                     | Description                | Acquire    | In Service | Beginning  | Additions | Retired     | Ending     | Beginning  | YTD 6/30/2021 | Retired     | Ending     |
|----------------------------|----------------------------|------------|------------|------------|-----------|-------------|------------|------------|---------------|-------------|------------|
| 140 - Equipment & Fixtures |                            |            |            |            |           |             |            |            |               |             |            |
| 525                        | Line Power Transformers    | 7/1/2012   | 7/1/2012   | 5,000.00   |           |             | 5,000.00   | 1,000.00   | 125.00        |             | 1,125.00   |
| 526                        | LN Tank Concrete Pad       | 8/1/2012   | 8/1/2012   | 7,920.00   |           |             | 7,920.00   | 3,135.00   | 396.00        |             | 3,531.00   |
| 484                        | R&M Hoist 7.5 Ton          | 8/2/2012   | 8/2/2012   | 19,510.50  |           |             | 19,510.50  | 15,445.00  | 1,951.00      |             | 17,396.00  |
| 485                        | R&M Hoist 10 Ton           | 8/2/2012   | 8/2/2012   | 21,560.50  |           |             | 21,560.50  | 17,068.00  | 2,156.00      |             | 19,224.00  |
| 490                        | Skyclimber Suspended W     | 9/6/2012   | 9/6/2012   | 67,172.86  |           | (67,172.86) | 0.00       | 52,617.00  | 3,359.00      | (55,976.00) | 0.00       |
| 491                        | Skyclimber Electric Hoist  | 9/6/2012   | 9/6/2012   | 6,586.85   |           | (6,586.85)  | 0.00       | 5,162.00   | 329.00        | (5,491.00)  | 0.00       |
| 492                        | Skyclimber Electric Hoist  | 9/6/2012   | 9/6/2012   | 6,586.85   |           | (6,586.85)  | 0.00       | 5,162.00   | 329.00        | (5,491.00)  | 0.00       |
| 493                        | Skyclimber Electric Hoist  | 9/6/2012   | 9/6/2012   | 6,586.85   |           | (6,586.85)  | 0.00       | 5,162.00   | 329.00        | (5,491.00)  | 0.00       |
| 494                        | Skyclimber Electric Hoist  | 9/6/2012   | 9/6/2012   | 6,586.85   |           | (6,586.85)  | 0.00       | 5,162.00   | 329.00        | (5,491.00)  | 0.00       |
| 489                        | Ross Cage Work Deck        | 9/12/2012  | 9/12/2012  | 70,226.22  |           | (70,226.22) | 0.00       | 70,226.00  |               | (70,226.00) | 0.00       |
| 486                        | LUX Water Treatment Sy     | 9/25/2012  | 9/25/2012  | 147,582.73 |           |             | 147,582.73 | 76,252.00  | 9,839.00      |             | 86,091.00  |
| 483                        | North Skip Work Deck (I    | 9/28/2012  | 9/28/2012  | 30,837.94  |           | (30,837.94) | 0.00       | 30,837.94  |               | (30,837.94) | 0.00       |
| 487                        | Jib Crane Ceiling Mount    | 10/1/2012  | 10/1/2012  | 28,175.00  |           | (28,175.00) | 0.00       | 21,839.00  | 1,409.00      | (23,248.00) | 0.00       |
| 488                        | Jib Crane Ceiling Mount    | 10/1/2012  | 10/1/2012  | 30,450.00  |           | (30,450.00) | 0.00       | 23,599.00  | 1,522.00      | (25,121.00) | 0.00       |
| 508                        | S205 Skidsteer W/Forks     | 10/19/2012 | 10/19/2012 | 21,000.00  |           |             | 21,000.00  | 16,100.00  | 2,100.00      |             | 18,200.00  |
| 495                        | LUX Water Tank 4850        | 10/22/2012 | 10/22/2012 | 364,225.82 |           |             | 364,225.82 | 186,162.00 | 24,282.00     |             | 210,444.00 |
| 524                        | Line Power Transformer     | 12/10/2012 | 12/10/2012 | 8,000.00   |           |             | 8,000.00   | 1,517.00   | 200.00        |             | 1,717.00   |
| 512                        | Profile 1Ton Air Hoist 25' | 1/16/2013  | 1/16/2013  | 7,415.07   |           | (7,415.07)  | 0.00       | 5,496.00   | 371.00        | (5,867.00)  | 0.00       |
| 513                        | Caterpillar Diesel Genera  | 2/1/2013   | 2/1/2013   | 28,434.00  |           |             | 28,434.00  | 21,086.00  | 2,843.00      |             | 23,929.00  |
| 519                        | MS Scrubbing Systems C     | 2/1/2013   | 2/1/2013   | 17,040.00  |           | (17,040.00) | 0.00       | 12,638.00  |               | (12,638.00) | 0.00       |
| 520                        | MS Scrubbing Systems C     | 2/1/2013   | 2/1/2013   | 17,040.00  |           | (17,040.00) | 0.00       | 12,638.00  |               | (12,638.00) | 0.00       |
| 515                        | Ross Headframe Garage I    | 2/26/2013  | 2/26/2013  | 22,621.00  |           |             | 22,621.00  | 16,588.00  | 2,262.00      |             | 18,850.00  |
| 523                        | Modification to Ross Wo    | 4/16/2013  | 4/16/2013  | 7,010.22   |           | (7,010.22)  | 0.00       | 7,010.22   |               | (7,010.22)  | 0.00       |
| 528                        | 25HP Diesel Hydraulic P    | 6/15/2013  | 6/15/2013  | 11,070.85  |           |             | 11,070.85  | 7,841.00   | 1,107.00      |             | 8,948.00   |
| 536                        | IT Generator Concrete Pa   | 8/1/2013   | 8/1/2013   | 6,640.00   |           |             | 6,640.00   | 2,296.00   | 332.00        |             | 2,628.00   |
| 538                        | Yates Loading Dock         | 9/9/2013   | 9/9/2013   | 7,040.00   |           |             | 7,040.00   | 1,927.00   | 282.00        |             | 2,209.00   |
| 540                        | IT Generator Install       | 10/31/2013 | 10/31/2013 | 28,056.44  |           |             | 28,056.44  | 18,706.00  | 2,806.00      |             | 21,512.00  |
| 554                        | Hitachi CPWU9410 Proj      | 1/18/2014  | 1/18/2014  | 13,228.18  |           |             | 13,228.18  | 8,489.00   | 1,323.00      |             | 9,812.00   |
| 542                        | Chem Grout Machine Pu      | 3/10/2014  | 3/10/2014  | 5,909.59   |           |             | 5,909.59   | 3,743.00   | 591.00        |             | 4,334.00   |
| 547                        | Bolter J.H. Fletcher & Co  | 4/25/2014  | 4/25/2014  | 546,642.95 |           |             | 546,642.95 | 134,840.00 | 21,866.00     |             | 156,706.00 |
| 550                        | Big Blue 300 Pro Kubota    | 5/2/2014   | 5/2/2014   | 10,445.00  |           |             | 10,445.00  | 6,438.00   | 1,044.00      |             | 7,482.00   |
| 551                        | Big Blue 300 Pro Kubota    | 5/2/2014   | 5/2/2014   | 10,445.00  |           |             | 10,445.00  | 6,438.00   | 1,044.00      |             | 7,482.00   |
| 548                        | 2014 Toolmaster Trailer    | 5/8/2014   | 5/8/2014   | 11,200.00  |           |             | 11,200.00  | 6,907.00   | 1,120.00      |             | 8,027.00   |
| 553                        | Ultrasonic Flaw Detector   | 6/9/2014   | 6/9/2014   | 11,742.78  |           |             | 11,742.78  | 7,142.00   | 1,174.00      |             | 8,316.00   |
| 579                        | Line Power Skid Transfo    | 7/1/2014   | 7/1/2014   | 5,000.00   |           |             | 5,000.00   | 750.00     | 125.00        |             | 875.00     |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                     | Description                | Acquire    | In Service | Beginning  | Additions | Retired    | Ending     | Beginning  | YTD 6/30/2021 | Retired    | Ending     |
|----------------------------|----------------------------|------------|------------|------------|-----------|------------|------------|------------|---------------|------------|------------|
| 140 - Equipment & Fixtures |                            |            |            |            |           |            |            |            |               |            |            |
| 580                        | Line Power Skid Transfor   | 7/1/2014   | 7/1/2014   | 8,000.00   |           |            | 8,000.00   | 1,200.00   | 200.00        |            | 1,400.00   |
| 566                        | Davis Campus Dehumidi      | 7/22/2014  | 7/22/2014  | 508,965.03 |           |            | 508,965.03 | 301,135.00 | 50,896.00     |            | 352,031.00 |
| 565                        | Fisher 2" Valves (2)       | 8/8/2014   | 8/8/2014   | 13,554.96  |           |            | 13,554.96  | 8,017.00   | 1,355.00      |            | 9,372.00   |
| 568                        | Canon EOS C100 Cinem       | 8/8/2014   | 8/8/2014   | 5,499.00   |           |            | 5,499.00   | 5,499.00   |               |            | 5,499.00   |
| 569                        | WTP Mix Tank               | 8/27/2014  | 8/27/2014  | 110,641.63 |           |            | 110,641.63 | 25,818.00  | 4,426.00      |            | 30,244.00  |
| 572                        | HVAC Unit - Adm. Builc     | 10/10/2014 | 10/10/2014 | 17,358.78  |           |            | 17,358.78  | 9,982.00   | 1,736.00      |            | 11,718.00  |
| 577                        | Pressure Tank 660Gal.on    | 11/5/2014  | 11/5/2014  | 6,081.27   |           |            | 6,081.27   | 3,445.00   | 608.00        |            | 4,053.00   |
| 574                        | Yates Work Platform (Sk    | 12/22/2014 | 12/22/2014 | 30,419.20  |           |            | 30,419.20  | 16,731.00  | 3,042.00      |            | 19,773.00  |
| 575                        | Thern Winch (Helical-Be    | 12/23/2014 | 12/23/2014 | 7,909.00   |           |            | 7,909.00   | 4,350.00   | 791.00        |            | 5,141.00   |
| 581                        | Mining Controls Portable   | 1/1/2015   | 1/1/2015   | 5,000.00   |           |            | 5,000.00   | 687.00     | 125.00        |            | 812.00     |
| 576                        | Profi 1-Ton Air Hoist 25'  | 1/26/2015  | 1/26/2015  | 7,675.00   |           | (7,675.00) | 0.00       | 4,160.00   | 384.00        | (4,544.00) | 0.00       |
| 578                        | JLG Electric Scissors Lift | 2/24/2015  | 2/24/2015  | 20,470.00  |           |            | 20,470.00  | 10,917.00  | 2,047.00      |            | 12,964.00  |
| 589                        | Topcon GPT Data Collec     | 6/30/2015  | 6/30/2015  | 9,850.00   |           |            | 9,850.00   | 9,850.00   |               |            | 9,850.00   |
| 590                        | Wolverine 25D Hydraulic    | 6/30/2015  | 6/30/2015  | 12,816.00  |           |            | 12,816.00  | 11,592.25  | 1,224.00      |            | 12,816.25  |
| 591                        | Micro 1000 Data Logger     | 6/30/2015  | 6/30/2015  | 7,705.14   |           |            | 7,705.14   | 7,704.69   |               |            | 7,704.69   |
| 592                        | Micro 1000 Data Logger     | 6/30/2015  | 6/30/2015  | 7,705.14   |           |            | 7,705.14   | 7,704.69   |               |            | 7,704.69   |
| 593                        | Mini Track Loader          | 6/30/2015  | 6/30/2015  | 22,546.19  |           |            | 22,546.19  | 22,545.78  |               |            | 22,545.78  |
| 594                        | Vertical Diesel Symo Pov   | 6/30/2015  | 6/30/2015  | 14,023.44  |           |            | 14,023.44  | 14,023.23  |               |            | 14,023.23  |
| 595                        | IT Generac Generator       | 6/30/2015  | 6/30/2015  | 26,208.14  |           |            | 26,208.14  | 26,207.76  |               |            | 26,207.76  |
| 596                        | Kubota RTV Utility         | 6/30/2015  | 6/30/2015  | 11,542.33  |           |            | 11,542.33  | 10,868.14  | 674.00        |            | 11,542.14  |
| 597                        | Kubota RTV Utility         | 6/30/2015  | 6/30/2015  | 11,542.33  |           |            | 11,542.33  | 10,868.14  | 674.00        |            | 11,542.14  |
| 598                        | HD Video Conferencing      | 6/30/2015  | 6/30/2015  | 13,990.26  |           |            | 13,990.26  | 13,990.08  |               |            | 13,990.08  |
| 636                        | Neutron Doors (2)Lead R    | 7/1/2015   | 7/1/2015   | 89,520.00  |           |            | 89,520.00  | 44,760.00  | 8,952.00      |            | 53,712.00  |
| 640                        | DDX Preaction Valve Re     | 7/22/2015  | 7/22/2015  | 12,801.00  |           |            | 12,801.00  | 6,293.00   | 1,280.00      |            | 7,573.00   |
| 637                        | Lighting Inverter Ross C   | 7/31/2015  | 7/31/2015  | 10,000.00  |           |            | 10,000.00  | 4,917.00   | 1,000.00      |            | 5,917.00   |
| 638                        | Transformer 300KVA 12      | 7/31/2015  | 7/31/2015  | 20,572.35  |           |            | 20,572.35  | 2,527.00   | 514.00        |            | 3,041.00   |
| 639                        | Fire Alarm Panel Ross C    | 7/31/2015  | 7/31/2015  | 18,291.60  |           |            | 18,291.60  | 5,994.00   | 1,219.00      |            | 7,213.00   |
| 610                        | S&CMetal Encl.Switchge     | 8/1/2015   | 8/1/2015   | 81,000.00  |           |            | 81,000.00  | 26,550.00  | 5,400.00      |            | 31,950.00  |
| 629                        | AHU-1-Ross Campus Ai       | 9/9/2015   | 9/9/2015   | 12,695.62  |           |            | 12,695.62  | 6,138.00   | 1,270.00      |            | 7,408.00   |
| 630                        | AHU-2-Ross Campus Ai       | 9/9/2015   | 9/9/2015   | 12,695.62  |           |            | 12,695.62  | 6,138.00   | 1,270.00      |            | 7,408.00   |
| 631                        | DOAS-1Ross Campus Ai       | 9/9/2015   | 9/9/2015   | 11,691.80  |           |            | 11,691.80  | 5,650.00   | 1,169.00      |            | 6,819.00   |
| 632                        | Chiller CH-1 Ross Camp     | 9/9/2015   | 9/9/2015   | 57,680.96  |           |            | 57,680.96  | 27,879.00  | 5,768.00      |            | 33,647.00  |
| 633                        | AHU-1 BSUCleanroom /       | 9/9/2015   | 9/9/2015   | 20,988.00  |           |            | 20,988.00  | 10,145.00  | 2,099.00      |            | 12,244.00  |
| 634                        | Heat Exchanger Ross Cai    | 9/9/2015   | 9/9/2015   | 26,581.62  |           |            | 26,581.62  | 12,847.00  | 2,658.00      |            | 15,505.00  |
| 635                        | Liq.NitrogenDistri.Syster  | 9/9/2015   | 9/9/2015   | 22,654.00  |           |            | 22,654.00  | 10,948.00  | 2,265.00      |            | 13,213.00  |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID                     | Description                | Acquire    | In Service | Beginning  | Additions | Retired | Ending     | Beginning  | YTD 6/30/2021 | Retired | Ending     |
|----------------------------|----------------------------|------------|------------|------------|-----------|---------|------------|------------|---------------|---------|------------|
| 140 - Equipment & Fixtures |                            |            |            |            |           |         |            |            |               |         |            |
| 612                        | Polycom16ChannelMicM       | 10/14/2015 | 10/14/2015 | 8,030.30   |           |         | 8,030.30   | 7,628.00   | 402.00        |         | 8,030.00   |
| 613                        | 3-Series Digital Media Pr  | 10/14/2015 | 10/14/2015 | 7,464.30   |           |         | 7,464.30   | 7,092.00   | 372.00        |         | 7,464.00   |
| 614                        | Polycom EagleEyeVCam       | 10/14/2015 | 10/14/2015 | 12,259.30  |           |         | 12,259.30  | 11,647.00  | 612.00        |         | 12,259.00  |
| 615                        | Hitachi CPWU9411 Projc     | 10/14/2015 | 10/14/2015 | 13,803.30  |           |         | 13,803.30  | 13,114.00  | 689.00        |         | 13,803.00  |
| 616                        | SMART Board 84 Flat Pt     | 10/14/2015 | 10/14/2015 | 16,331.32  |           |         | 16,331.32  | 15,514.00  | 817.00        |         | 16,331.00  |
| 617                        | Polycom 16 Channel Mic     | 10/14/2015 | 10/14/2015 | 8,030.30   |           |         | 8,030.30   | 7,628.00   | 402.00        |         | 8,030.00   |
| 618                        | Polycom 16Channel Micl     | 10/14/2015 | 10/14/2015 | 8,030.30   |           |         | 8,030.30   | 7,628.00   | 402.00        |         | 8,030.00   |
| 619                        | Crestron 3 Series Digital  | 10/14/2015 | 10/14/2015 | 7,464.30   |           |         | 7,464.30   | 7,092.00   | 372.00        |         | 7,464.00   |
| 620                        | Polycom Eagle Eye V Ca     | 10/14/2015 | 10/14/2015 | 12,259.30  |           |         | 12,259.30  | 11,647.00  | 612.00        |         | 12,259.00  |
| 611                        | Yates Skip Bonnet E-Z F.   | 10/24/2015 | 10/24/2015 | 30,147.20  |           |         | 30,147.20  | 14,070.00  | 3,015.00      |         | 17,085.00  |
| 628                        | ET Globe Valve - Fisher    | 2/8/2016   | 2/8/2016   | 8,978.72   |           |         | 8,978.72   | 3,966.00   | 898.00        |         | 4,864.00   |
| 625                        | LG 79" TV                  | 3/14/2016  | 3/14/2016  | 8,040.11   |           |         | 8,040.11   | 6,968.00   | 1,072.00      |         | 8,040.00   |
| 626                        | Cable Puller Assembly      | 3/16/2016  | 3/16/2016  | 5,763.01   |           |         | 5,763.01   | 2,448.00   | 576.00        |         | 3,024.00   |
| 651                        | Yates Skip Bonnet W/De     | 3/25/2016  | 3/25/2016  | 16,040.25  |           |         | 16,040.25  | 6,817.00   | 1,604.00      |         | 8,421.00   |
| 627                        | IVAC PV500 Vacuum Sy       | 5/27/2016  | 5/27/2016  | 47,984.50  |           |         | 47,984.50  | 19,592.00  | 4,798.00      |         | 24,390.00  |
| 654                        | Snow Plow 8'6" VPlow Jc    | 12/6/2016  | 12/6/2016  | 6,594.00   |           |         | 6,594.00   | 2,362.00   | 659.00        |         | 3,021.00   |
| 656                        | Milliken 16"Eccent.Plug    | 1/3/2017   | 1/3/2017   | 10,030.30  |           |         | 10,030.30  | 3,511.00   | 1,003.00      |         | 4,514.00   |
| 657                        | Milliken 8" Eccent. Plug   | 1/3/2017   | 1/3/2017   | 5,746.55   |           |         | 5,746.55   | 2,012.00   | 575.00        |         | 2,587.00   |
| 658                        | McCrometer Mag-Flo Mt      | 1/3/2017   | 1/3/2017   | 6,979.65   |           |         | 6,979.65   | 2,443.00   | 698.00        |         | 3,141.00   |
| 676                        | Radon Removal System       | 6/30/2017  | 6/30/2017  | 421,974.38 |           |         | 421,974.38 | 126,591.00 | 42,197.00     |         | 168,788.00 |
| 678                        | Atlas Copco Air Compres    | 6/30/2017  | 6/30/2017  | 26,300.00  |           |         | 26,300.00  | 7,890.00   | 2,630.00      |         | 10,520.00  |
| 679                        | Atlas Copco Air Dryer Rc   | 6/30/2017  | 6/30/2017  | 7,425.00   |           |         | 7,425.00   | 2,226.00   | 742.00        |         | 2,968.00   |
| 680                        | RO Reverse Osmosis Sys     | 6/30/2017  | 6/30/2017  | 49,328.24  |           |         | 49,328.24  | 14,799.00  | 4,933.00      |         | 19,732.00  |
| 681                        | FCU-1 Fan-RadonRemBl       | 6/30/2017  | 6/30/2017  | 7,556.82   |           |         | 7,556.82   | 2,268.00   | 756.00        |         | 3,024.00   |
| 692                        | Mini Split HVAC Refuge     | 7/24/2018  | 7/24/2018  | 7,143.25   |           |         | 7,143.25   | 1,369.00   | 714.00        |         | 2,083.00   |
| 693                        | Mini Split HVAC 4850'L     | 9/19/2018  | 9/19/2018  | 7,143.25   |           |         | 7,143.25   | 1,250.00   | 714.00        |         | 1,964.00   |
| 694                        | Forklift 5000#UsedMode     | 11/8/2018  | 11/8/2018  | 16,625.00  |           |         | 16,625.00  | 2,770.00   | 1,662.00      |         | 4,432.00   |
| 695                        | LZ Water Tank Modifica     | 12/1/2018  | 12/1/2018  | 123,441.52 |           |         | 123,441.52 | 13,029.00  | 8,229.00      |         | 21,258.00  |
| 696                        | (3) Hitachi Projector/Len: | 12/20/2018 | 12/20/2018 | 45,436.00  |           |         | 45,436.00  | 6,816.00   | 4,544.00      |         | 11,360.00  |
| 703                        | HVAC Unit E & O Bldg.      | 6/25/2019  | 6/25/2019  | 13,134.62  |           |         | 13,134.62  | 1,313.00   | 1,313.00      |         | 2,626.00   |
| 704                        | HVAC Unit E & O Bldg.      | 6/25/2019  | 6/25/2019  | 13,134.63  |           |         | 13,134.63  | 1,313.00   | 1,313.00      |         | 2,626.00   |
| 726                        | Flygt27HP-Pump BS267l      | 7/1/2019   | 7/1/2019   | 22,870.00  |           |         | 22,870.00  | 2,287.00   | 2,287.00      |         | 4,574.00   |
| 706                        | (4) IT Air Cond. Mini Sp.  | 7/10/2019  | 7/10/2019  | 21,651.00  |           |         | 21,651.00  | 2,165.00   | 2,165.00      |         | 4,330.00   |
| 707                        | (3)Natural Gas Water He:   | 8/27/2019  | 8/27/2019  | 22,220.00  |           |         | 22,220.00  | 1,852.00   | 2,222.00      |         | 4,074.00   |
| 708                        | Yates Work Deck Screen     | 9/11/2019  | 9/11/2019  | 14,696.65  |           |         | 14,696.65  | 1,225.00   | 1,470.00      |         | 2,695.00   |

Cost of Fixed Assets

Accumulated Depreciation

| 000 - SD Science & Technology Authority |            |            |               |            |              |               |              |               |              |              |
|---|------------|------------|---------------|------------|--------------|---------------|--------------|---------------|--------------|--------------|
| Sys ID Description                      | Acquire    | In Service | Beginning     | Additions  | Retired      | Ending        | Beginning    | YTD 6/30/2021 | Retired      | Ending       |
| 140 - Equipment & Fixtures              |            |            |               |            |              |               |              |               |              |              |
| 711 (2) Security Tilt-Away Gr           | 10/29/2019 | 10/29/2019 | 62,600.00     |            |              | 62,600.00     | 4,173.00     | 6,260.00      |              | 10,433.00    |
| 720 Boss Laser Engraver                 | 1/24/2020  | 1/24/2020  | 9,997.00      |            |              | 9,997.00      | 417.00       | 1,000.00      |              | 1,417.00     |
| 723 3D Camera Insta360PRO               | 6/4/2020   | 6/4/2020   | 5,251.00      |            |              | 5,251.00      | 88.00        | 1,050.00      |              | 1,138.00     |
| 727 HVAC Admin.Bldg                     | 9/21/2020  | 9/21/2020  |               | 18,763.00  |              | 18,763.00     |              | 1,407.00      |              | 1,407.00     |
| 728 HVAC Admin. Bldg.                   | 9/21/2020  | 9/21/2020  |               | 18,763.00  |              | 18,763.00     |              | 1,407.00      |              | 1,407.00     |
| 729 HVAC Admin. Bldg.                   | 9/21/2020  | 9/21/2020  |               | 18,764.00  |              | 18,764.00     |              | 1,407.00      |              | 1,407.00     |
| 731 Ellis Band Saw MSFBldg              | 4/23/2021  | 4/23/2021  |               | 6,419.00   |              | 6,419.00      |              | 107.00        |              | 107.00       |
| 736 Toyota Forklift-Yr. 2014            | 5/4/2021   | 5/4/2021   |               | 17,476.00  |              | 17,476.00     |              | 291.00        |              | 291.00       |
| 732 Air Compressor Champic              | 5/7/2021   | 5/7/2021   |               | 5,910.00   |              | 5,910.00      |              | 98.00         |              | 98.00        |
| 733 Hydraulic Air Press 50 Tr           | 5/20/2021  | 5/20/2021  |               | 11,575.26  |              | 11,575.26     |              | 96.00         |              | 96.00        |
| 735 MSF 10 Ton Bridge Cran              | 5/21/2021  | 5/21/2021  |               | 63,850.00  |              | 63,850.00     |              | 71.00         |              | 71.00        |
| 737 Elevator MSF Bldg.                  | 5/26/2021  | 5/26/2021  |               | 64,615.00  |              | 64,615.00     |              | 538.00        |              | 538.00       |
| 739 150KVA Transformer Po               | 5/26/2021  | 5/26/2021  |               | 29,920.00  |              | 29,920.00     |              | 249.00        |              | 249.00       |
| 740 150KVA Transformer Pw               | 5/26/2021  | 5/26/2021  |               | 29,920.00  |              | 29,920.00     |              | 249.00        |              | 249.00       |
| 734 Laser Alignment System              | 5/27/2021  | 5/27/2021  |               | 8,465.45   |              | 8,465.45      |              | 71.00         |              | 71.00        |
| 741 HP Plotter DesignJetT260            | 6/17/2021  | 6/17/2021  |               | 10,550.00  |              | 10,550.00     |              |               |              | 0.00         |
|   |            |            | 10,688,916.69 | 304,990.71 | (528,434.71) | 10,465,472.69 | 5,936,318.43 | 559,958.50    | (387,572.33) | 6,108,704.60 |
| 150 - Furniture & Fixtures              |            |            |               |            |              |               |              |               |              |              |
| 249 Blinds                              | 6/1/2006   | 6/1/2006   | 1,877.92      |            |              | 1,877.92      | 1,877.25     |               |              | 1,877.25     |
| 250 6X8 Workstations - Adm              | 12/31/2008 | 12/31/2008 | 67,297.83     |            |              | 67,297.83     | 51,589.26    | 4,486.00      |              | 56,075.26    |
| 251 Blinds - Admin Bldg                 | 2/1/2009   | 2/1/2009   | 5,035.75      |            |              | 5,035.75      | 5,034.82     |               |              | 5,034.82     |
|   |            |            | 74,211.50     | 0.00       | 0.00         | 74,211.50     | 58,501.33    | 4,486.00      | 0.00         | 62,987.33    |
| 160 - Improvements                      |            |            |               |            |              |               |              |               |              |              |
| 189 Carpet - Admin Bldg                 | 4/25/2006  | 4/25/2006  | 6,589.30      |            |              | 6,589.30      | 6,589.29     |               |              | 6,589.29     |
| 283 Office Remodel - Admin              | 6/1/2006   | 6/1/2006   | 19,584.00     |            |              | 19,584.00     | 19,584.00    |               |              | 19,584.00    |
| 284 Office Remodel/Painting             | 6/1/2006   | 6/1/2006   | 10,898.27     |            |              | 10,898.27     | 10,898.27    |               |              | 10,898.27    |
| 285 Yates Building Renovatic            | 2/14/2007  | 2/14/2007  | 16,714.32     |            |              | 16,714.32     | 4,615.43     | 334.00        |              | 4,949.43     |
| 263 Power Line East Sub Stat            | 7/27/2007  | 7/27/2007  | 31,222.00     |            |              | 31,222.00     | 7,488.44     | 624.00        |              | 8,112.44     |
| 269 Ross Guard Station                  | 5/31/2008  | 5/31/2008  | 8,617.06      |            |              | 8,617.06      | 2,064.34     | 172.00        |              | 2,236.34     |
| 271 Ross Hoist Building                 | 6/30/2008  | 6/30/2008  | 197,674.59    |            |              | 197,674.59    | 47,436.49    | 3,953.00      |              | 51,389.49    |
| 286 Kitchen Improvements - J            | 6/30/2008  | 6/30/2008  | 5,792.72      |            |              | 5,792.72      | 1,391.85     | 116.00        |              | 1,507.85     |
| 259 Gas Line System (Existin            | 7/1/2008   | 7/1/2008   | 5,795.00      |            |              | 5,795.00      | 2,783.80     | 232.00        |              | 3,015.80     |
| 261 Parking Lot - Admin Are             | 7/1/2008   | 7/1/2008   | 60,000.00     |            |              | 60,000.00     | 36,000.00    | 3,000.00      |              | 39,000.00    |
| 264 Power Line Oro Hondo 6'             | 7/1/2008   | 7/1/2008   | 8,250.00      |            |              | 8,250.00      | 1,980.00     | 165.00        |              | 2,145.00     |
| 265 Power Line Ross 69KV P              | 7/1/2008   | 7/1/2008   | 25,000.00     |            |              | 25,000.00     | 6,000.00     | 500.00        |              | 6,500.00     |

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID             | Description                 | Acquire    | In Service | Beginning    | Additions | Retired | Ending       | Beginning    | YTD 6/30/2021 | Retired | Ending       |
|--------------------|-----------------------------|------------|------------|--------------|-----------|---------|--------------|--------------|---------------|---------|--------------|
| 160 - Improvements |                             |            |            |              |           |         |              |              |               |         |              |
| 267                | Rail System Underground     | 7/1/2008   | 7/1/2008   | 61,267.89    |           |         | 61,267.89    | 14,700.36    | 1,225.00      |         | 15,925.36    |
| 275                | Ross Yard (Gravel Yard)     | 7/1/2008   | 7/1/2008   | 22,277.00    |           |         | 22,277.00    | 6,683.93     | 557.00        |         | 7,240.93     |
| 282                | Yates Yard (Gravel Yard)    | 7/1/2008   | 7/1/2008   | 16,282.20    |           |         | 16,282.20    | 4,884.06     | 407.00        |         | 5,291.06     |
| 277                | Yates Gas Line              | 11/24/2008 | 11/24/2008 | 17,695.65    |           |         | 17,695.65    | 8,200.90     | 708.00        |         | 8,908.90     |
| 288                | Carpet/Vinyl - Admin Bldg   | 1/1/2009   | 1/1/2009   | 53,826.21    |           |         | 53,826.21    | 53,826.21    |               |         | 53,826.21    |
| 256                | Communications - Ross Yard  | 2/18/2009  | 2/18/2009  | 10,340.00    |           |         | 10,340.00    | 7,808.78     | 689.00        |         | 8,497.78     |
| 257                | Communications - Yates Yard | 2/18/2009  | 2/18/2009  | 57,716.63    |           |         | 57,716.63    | 43,610.59    | 3,848.00      |         | 47,458.59    |
| 266                | Propane Storage Building    | 2/25/2009  | 2/25/2009  | 16,200.00    |           |         | 16,200.00    | 3,672.00     | 324.00        |         | 3,996.00     |
| 270                | Ross Headframe Crusher      | 3/1/2009   | 3/1/2009   | 26,409.12    |           |         | 26,409.12    | 5,984.06     | 528.00        |         | 6,512.06     |
| 278                | Yates Headframe/Crusher     | 3/1/2009   | 3/1/2009   | 33,519.74    |           |         | 33,519.74    | 7,593.46     | 670.00        |         | 8,263.46     |
| 280                | Yates Safety/Dry Building   | 3/1/2009   | 3/1/2009   | 52,177.41    |           |         | 52,177.41    | 11,831.85    | 1,044.00      |         | 12,875.85    |
| 260                | IT Room Electrical/Instal   | 3/4/2009   | 3/4/2009   | 41,618.32    |           |         | 41,618.32    | 23,584.64    | 2,081.00      |         | 25,665.64    |
| 279                | Yates Hoist Building        | 4/14/2009  | 4/14/2009  | 159,110.28   |           |         | 159,110.28   | 35,797.55    | 3,182.00      |         | 38,979.55    |
| 272                | Ross Pump System            | 6/12/2009  | 6/12/2009  | 963,663.60   |           |         | 963,663.60   | 427,229.00   | 38,547.00     |         | 465,776.00   |
| 258                | Fiber Optic Network Syst    | 6/30/2009  | 6/30/2009  | 17,541.98    |           |         | 17,541.98    | 9,647.00     | 877.00        |         | 10,524.00    |
| 262                | Power Distribution          | 6/30/2009  | 6/30/2009  | 783,887.52   |           |         | 783,887.52   | 172,458.00   | 15,678.00     |         | 188,136.00   |
| 268                | Ross Dry Building           | 6/30/2009  | 6/30/2009  | 63,368.30    |           |         | 63,368.30    | 13,937.00    | 1,267.00      |         | 15,204.00    |
| 273                | Ross Shaft                  | 6/30/2009  | 6/30/2009  | 9,773,260.40 |           |         | 9,773,260.40 | 2,150,115.00 | 195,465.00    |         | 2,345,580.00 |
| 274                | Ross Substation             | 6/30/2009  | 6/30/2009  | 277,760.27   |           |         | 277,760.27   | 61,105.00    | 5,555.00      |         | 66,660.00    |
| 276                | WWTP Improvements           | 6/30/2009  | 6/30/2009  | 660,400.84   |           |         | 660,400.84   | 145,288.00   | 13,208.00     |         | 158,496.00   |
| 281                | Yates Shaft                 | 6/30/2009  | 6/30/2009  | 4,694,581.28 |           |         | 4,694,581.28 | 1,032,812.00 | 93,892.00     |         | 1,126,704.00 |
| 287                | Admin Bldg Improvemen       | 6/30/2009  | 6/30/2009  | 382,643.40   |           |         | 382,643.40   | 84,183.00    | 7,653.00      |         | 91,836.00    |
| 407                | Ross Substation Upgrade     | 3/1/2010   | 3/1/2010   | 79,000.94    |           |         | 79,000.94    | 16,327.00    | 1,580.00      |         | 17,907.00    |
| 409                | Yates Shaft                 | 4/1/2010   | 4/1/2010   | 2,185,614.49 |           |         | 2,185,614.49 | 448,048.00   | 43,712.00     |         | 491,760.00   |
| 402                | LUX Surface Lab             | 5/1/2010   | 5/1/2010   | 1,563,830.79 |           |         | 1,563,830.79 | 317,983.00   | 31,277.00     |         | 349,260.00   |
| 403                | Oro Hondo Substation Upg    | 5/15/2010  | 5/15/2010  | 85,015.90    |           |         | 85,015.90    | 17,283.00    | 1,700.00      |         | 18,983.00    |
| 404                | Pole Frame Building         | 6/1/2010   | 6/1/2010   | 14,183.70    |           |         | 14,183.70    | 2,864.00     | 284.00        |         | 3,148.00     |
| 408                | Yates Fencing               | 6/15/2010  | 6/15/2010  | 10,469.70    |           |         | 10,469.70    | 5,274.00     | 523.00        |         | 5,797.00     |
| 401                | Fiber Optic Network Syst    | 6/30/2010  | 6/30/2010  | 19,495.55    |           |         | 19,495.55    | 9,750.00     | 975.00        |         | 10,725.00    |
| 405                | Power Distribution Upgr     | 6/30/2010  | 6/30/2010  | 341,565.29   |           |         | 341,565.29   | 68,310.00    | 6,831.00      |         | 75,141.00    |
| 406                | Ross Pumping System         | 6/30/2010  | 6/30/2010  | 159,652.84   |           |         | 159,652.84   | 63,860.00    | 6,386.00      |         | 70,246.00    |
| 447                | Yates Parking Lot Resurf    | 9/24/2010  | 9/24/2010  | 259,641.41   |           |         | 259,641.41   | 253,149.00   | 6,492.00      |         | 259,641.00   |
| 445                | Majorana Shotcreting Imj    | 10/15/2010 | 10/15/2010 | 268,602.24   |           |         | 268,602.24   | 87,292.00    | 8,953.00      |         | 96,245.00    |
| 428                | Ross Dry Renovations        | 10/30/2010 | 10/30/2010 | 243,726.84   |           |         | 243,726.84   | 47,125.00    | 4,875.00      |         | 52,000.00    |
| 431                | Yates E&O Dry Renovati      | 11/30/2010 | 11/30/2010 | 214,711.49   |           |         | 214,711.49   | 41,151.00    | 4,294.00      |         | 45,445.00    |



Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

| Sys ID Description               | Acquire    | In Service | Beginning     | Additions | Retired | Ending        | Beginning    | YTD 6/30/2021 | Retired | Ending        |
|----------------------------------|------------|------------|---------------|-----------|---------|---------------|--------------|---------------|---------|---------------|
| 160 - Improvements               |            |            |               |           |         |               |              |               |         |               |
| 434 Communications Improv        | 6/30/2011  | 6/30/2011  | 89,807.33     |           |         | 89,807.33     | 53,883.00    | 5,987.00      |         | 59,870.00     |
| 435 Power Distribution Imprc     | 6/30/2011  | 6/30/2011  | 108,274.04    |           |         | 108,274.04    | 19,485.00    | 2,165.00      |         | 21,650.00     |
| 436 Fiber Optic Network Syst     | 6/30/2011  | 6/30/2011  | 24,228.00     |           |         | 24,228.00     | 10,899.00    | 1,211.00      |         | 12,110.00     |
| 437 Ross Pump System Imprc       | 6/30/2011  | 6/30/2011  | 17,311.87     |           |         | 17,311.87     | 6,228.00     | 692.00        |         | 6,920.00      |
| 443 Davis Shotcreting Improv     | 6/30/2011  | 7/1/2011   | 857,538.24    |           |         | 857,538.24    | 257,265.00   | 28,585.00     |         | 285,850.00    |
| 481 Improvements to Yates R      | 5/1/2012   | 5/1/2012   | 42,785.45     |           |         | 42,785.45     | 6,991.00     | 856.00        |         | 7,847.00      |
| 510 Davis Campus Laborator       | 11/30/2012 | 11/30/2012 | 8,453,584.87  |           |         | 8,453,584.87  | 2,136,877.00 | 281,786.00    |         | 2,418,663.00  |
| 527 Ross Gas Line                | 1/14/2013  | 1/14/2013  | 15,873.11     |           |         | 15,873.11     | 4,762.00     | 635.00        |         | 5,397.00      |
| 521 4850 Refuge Area             | 2/1/2013   | 2/1/2013   | 175,941.14    |           |         | 175,941.14    | 65,244.00    | 8,797.00      |         | 74,041.00     |
| 642 Ross Campus Shotcrete F      | 7/1/2015   | 7/1/2015   | 419,793.13    |           |         | 419,793.13    | 69,965.00    | 13,993.00     |         | 83,958.00     |
| 643 Ross Campus Laboratory       | 9/9/2015   | 9/9/2015   | 2,541,235.84  |           |         | 2,541,235.84  | 409,422.00   | 84,708.00     |         | 494,130.00    |
| 644 Ross Water Suppression :     | 2/8/2016   | 2/8/2016   | 232,972.47    |           |         | 232,972.47    | 41,159.00    | 9,319.00      |         | 50,478.00     |
| 684 Thermal Insulation Davis     | 1/30/2017  | 1/30/2017  | 45,636.90     |           |         | 45,636.90     | 15,594.00    | 4,564.00      |         | 20,158.00     |
| 687 Surface Lab Bldg.IMP         | 9/15/2017  | 9/15/2017  | 461,088.32    |           |         | 461,088.32    | 26,129.00    | 9,222.00      |         | 35,351.00     |
| 697 Davis C.Laboratory Upgr      | 1/1/2019   | 1/1/2019   | 295,191.44    |           |         | 295,191.44    | 14,760.00    | 9,840.00      |         | 24,600.00     |
| 721 Ross Shaft Rehab Steel P     | 3/31/2020  | 3/31/2020  | 17,817,058.55 |           |         | 17,817,058.55 | 89,085.00    | 356,341.00    |         | 445,426.00    |
|                                  |            |            | 55,625,517.18 | 0.00      | 0.00    | 55,625,517.18 | 9,077,948.30 | 1,333,084.00  | 0.00    | 10,411,032.30 |
| 180 - Infrastructure             |            |            |               |           |         |               |              |               |         |               |
| 294 Road Gravel WWTP East        | 7/1/2008   | 7/1/2008   | 48,846.60     |           |         | 48,846.60     | 14,652.17    | 1,221.00      |         | 15,873.17     |
| 296 Road Gravel Yates Hillside   | 7/1/2008   | 7/1/2008   | 5,159.00      |           |         | 5,159.00      | 1,547.98     | 129.00        |         | 1,676.98      |
| 298 Sewer Line System            | 7/1/2008   | 7/1/2008   | 14,850.00     |           |         | 14,850.00     | 7,128.00     | 594.00        |         | 7,722.00      |
| 300 Water Line System (Historic) | 7/1/2008   | 7/1/2008   | 38,150.00     |           |         | 38,150.00     | 18,312.00    | 1,526.00      |         | 19,838.00     |
| 301 Water Line System (Other)    | 7/1/2008   | 7/1/2008   | 25,675.00     |           |         | 25,675.00     | 12,324.00    | 1,027.00      |         | 13,351.00     |
| 292 Concrete Cooling Basins      | 8/1/2008   | 8/1/2008   | 25,000.00     |           |         | 25,000.00     | 5,958.33     | 500.00        |         | 6,458.33      |
| 293 Concrete Vault System        | 8/1/2008   | 8/1/2008   | 25,000.00     |           |         | 25,000.00     | 5,958.33     | 500.00        |         | 6,458.33      |
| 290 Mill Reservoir               | 10/30/2008 | 10/30/2008 | 117,540.85    |           |         | 117,540.85    | 27,428.21    | 2,351.00      |         | 29,779.21     |
| 297 Sewer Line - Backwash tank   | 11/1/2008  | 11/1/2008  | 155,156.08    |           |         | 155,156.08    | 72,403.50    | 6,206.00      |         | 78,609.50     |
| 291 Clarifier - WWTP             | 11/25/2008 | 11/25/2008 | 117,245.74    |           |         | 117,245.74    | 27,162.87    | 2,345.00      |         | 29,507.87     |
| 414 Grizzly Gulch Decant Pipe    | 1/1/2011   | 1/1/2011   | 1,060,808.89  |           |         | 1,060,808.89  | 201,552.00   | 21,216.00     |         | 222,768.00    |
| 415 Ross Potable Water Line      | 1/1/2011   | 1/1/2011   | 24,810.00     |           |         | 24,810.00     | 9,424.00     | 992.00        |         | 10,416.00     |
| 655 Water Inflow Pipe System     | 1/3/2017   | 1/3/2017   | 241,210.06    |           |         | 241,210.06    | 33,768.00    | 9,648.00      |         | 43,416.00     |
| 665 Water Inflow Pipe Fusion     | 3/15/2017  | 3/15/2017  | 20,459.22     |           |         | 20,459.22     | 2,727.00     | 818.00        |         | 3,545.00      |
| 673 Ellison Gravel Road          | 6/12/2017  | 6/12/2017  | 25,400.25     |           |         | 25,400.25     | 3,916.00     | 1,270.00      |         | 5,186.00      |
| 674 Ellison Paved Road           | 6/12/2017  | 6/12/2017  | 13,550.65     |           |         | 13,550.65     | 1,045.00     | 339.00        |         | 1,384.00      |
| 710 Ross Top WaterLine House     | 9/24/2019  | 9/24/2019  | 44,326.35     |           |         | 44,326.35     | 1,330.00     | 1,773.00      |         | 3,103.00      |

Cost of Fixed Assets

Accumulated Depreciation

| 000 - SD Science & Technology Authority |                           |            |            |               |           |         |               |            |               |         |            |
|---|---------------------------|------------|------------|---------------|-----------|---------|---------------|------------|---------------|---------|------------|
| Sys ID                                  | Description               | Acquire    | In Service | Beginning     | Additions | Retired | Ending        | Beginning  | YTD 6/30/2021 | Retired | Ending     |
| 180 - Infrastructure                    |                           |            |            |               |           |         |               |            |               |         |            |
|   |                           |            |            | 2,003,188.69  | 0.00      | 0.00    | 2,003,188.69  | 446,637.39 | 52,455.00     | 0.00    | 499,092.39 |
| 190 - Land                              |                           |            |            |               |           |         |               |            |               |         |            |
| 304                                     | Land - Donated by Home    | 4/14/2006  | 4/14/2006  | 1,511,000.00  |           |         | 1,511,000.00  |            |               |         | 0.00       |
| 305                                     | Land - Closing Costs      | 1/31/2007  | 1/31/2007  | 13,435.39     |           |         | 13,435.39     |            |               |         | 0.00       |
| 306                                     | Land - Phase I Enviromet  | 6/30/2008  | 6/30/2008  | 4,000.00      |           |         | 4,000.00      |            |               |         | 0.00       |
| 307                                     | Land - Phase II Site Asse | 12/23/2008 | 12/23/2008 | 5,602.65      |           |         | 5,602.65      |            |               |         | 0.00       |
| 603                                     | Ellison Option            | 6/30/2015  | 6/30/2015  | 45,260.00     |           |         | 45,260.00     |            |               |         | 0.00       |
| 672                                     | Ellison Property          | 6/12/2017  | 6/12/2017  | 234,838.10    |           |         | 234,838.10    |            |               |         | 0.00       |
|   |                           |            |            | 1,814,136.14  | 0.00      | 0.00    | 1,814,136.14  | 0.00       | 0.00          | 0.00    | 0.00       |
| 200 - Other Non Dep                     |                           |            |            |               |           |         |               |            |               |         |            |
| 309                                     | Archive Materials - Gold  | 7/1/2008   | 7/1/2008   | 20,000.00     |           |         | 20,000.00     |            |               |         | 0.00       |
| 310                                     | Archive Materials         | 7/1/2008   | 7/1/2008   | 50,000.00     |           |         | 50,000.00     |            |               |         | 0.00       |
|   |                           |            |            | 70,000.00     | 0.00      | 0.00    | 70,000.00     | 0.00       | 0.00          | 0.00    | 0.00       |
| 210 - Underground                       |                           |            |            |               |           |         |               |            |               |         |            |
| 311                                     | Underground - Closing C   | 1/31/2007  | 1/31/2007  | 90,686.99     |           |         | 90,686.99     |            |               |         | 0.00       |
| 312                                     | Underground               | 1/31/2007  | 1/31/2007  | 10,658,650.00 |           |         | 10,658,650.00 |            |               |         | 0.00       |
|   |                           |            |            | 10,749,336.99 | 0.00      | 0.00    | 10,749,336.99 | 0.00       | 0.00          | 0.00    | 0.00       |
| 220 - Underground Improvements          |                           |            |            |               |           |         |               |            |               |         |            |
| 410                                     | Improvements - Undergrc   | 6/30/2010  | 6/30/2010  | 1,210,109.78  |           |         | 1,210,109.78  |            |               |         | 0.00       |
| 444                                     | Improvement Majorana E    | 10/31/2010 | 10/31/2010 | 159,204.14    |           |         | 159,204.14    |            |               |         | 0.00       |
| 446                                     | Improvement Hazard Mit    | 5/31/2011  | 5/31/2011  | 60,774.93     |           |         | 60,774.93     |            |               |         | 0.00       |
| 442                                     | Improvements Davis Exca   | 6/30/2011  | 7/1/2011   | 4,460,860.74  |           |         | 4,460,860.74  |            |               |         | 0.00       |
| 479                                     | Improvement to UG Haze    | 6/30/2012  | 6/30/2012  | 69,223.43     |           |         | 69,223.43     |            |               |         | 0.00       |
| 530                                     | Improvements-Haz.Mit.2    | 6/30/2013  | 6/30/2013  | 51,019.29     |           |         | 51,019.29     |            |               |         | 0.00       |
| 556                                     | Hazard Mitigation Inprov  | 6/30/2014  | 6/30/2014  | 294,893.16    |           |         | 294,893.16    |            |               |         | 0.00       |
| 567                                     | D.Campus Excav.Dehum      | 7/22/2014  | 7/22/2014  | 31,530.99     |           |         | 31,530.99     |            |               |         | 0.00       |
| 602                                     | Hazard Mitigation 2015    | 6/30/2015  | 6/30/2015  | 163,874.47    |           |         | 163,874.47    |            |               |         | 0.00       |
| 641                                     | Ross Campus Excavation    | 7/1/2015   | 7/1/2015   | 329,557.51    |           |         | 329,557.51    |            |               |         | 0.00       |
| 646                                     | Hazard Mitigation Yates   | 6/21/2016  | 6/21/2016  | 187,570.00    |           |         | 187,570.00    |            |               |         | 0.00       |
| 664                                     | Haz. Mit. Yates Tunnel    | 6/30/2017  | 6/30/2017  | 169,000.00    |           |         | 169,000.00    |            |               |         | 0.00       |
|   |                           |            |            | 7,187,618.44  | 0.00      | 0.00    | 7,187,618.44  | 0.00       | 0.00          | 0.00    | 0.00       |

Cost of Fixed Assets

Accumulated Depreciation

Summary

| 000 - SD Science & Technology Authority |                      |                     |                     |                       |                      |                      |                     |                      |
|---|----------------------|---------------------|---------------------|-----------------------|----------------------|----------------------|---------------------|----------------------|
|   | <b>Beginning</b>     | <b>Additions</b>    | <b>Retired</b>      | <b>Ending</b>         | <b>Beginning</b>     | <b>YTD 6/30/2021</b> | <b>Retired</b>      | <b>Ending</b>        |
| 110 - Automobiles                       | 237,336.48           | 69,660.00           | 0.00                | 306,996.48            | 77,498.69            | 24,350.00            | 0.00                | 101,848.69           |
| 120 - Building                          | 7,704,176.87         | 5,885,478.93        | 0.00                | 13,589,655.80         | 2,136,128.22         | 155,376.00           | 0.00                | 2,291,504.22         |
| 130 - Computer Hardware                 | 570,932.90           | 0.00                | (216,255.09)        | 354,677.81            | 401,344.13           | 53,723.00            | (216,255.09)        | 238,812.04           |
| 140 - Equipment & Fixtures              | 10,688,916.69        | 304,990.71          | (528,434.71)        | 10,465,472.69         | 5,936,318.43         | 559,958.50           | (387,572.33)        | 6,108,704.60         |
| 150 - Furniture & Fixtures              | 74,211.50            | 0.00                | 0.00                | 74,211.50             | 58,501.33            | 4,486.00             | 0.00                | 62,987.33            |
| 160 - Improvements                      | 55,625,517.18        | 0.00                | 0.00                | 55,625,517.18         | 9,077,948.30         | 1,333,084.00         | 0.00                | 10,411,032.30        |
| 180 - Infrastructure                    | 2,003,188.69         | 0.00                | 0.00                | 2,003,188.69          | 446,637.39           | 52,455.00            | 0.00                | 499,092.39           |
| 190 - Land                              | 1,814,136.14         | 0.00                | 0.00                | 1,814,136.14          | 0.00                 | 0.00                 | 0.00                | 0.00                 |
| 200 - Other Non Dep                     | 70,000.00            | 0.00                | 0.00                | 70,000.00             | 0.00                 | 0.00                 | 0.00                | 0.00                 |
| 210 - Underground                       | 10,749,336.99        | 0.00                | 0.00                | 10,749,336.99         | 0.00                 | 0.00                 | 0.00                | 0.00                 |
| 220 - Underground Improvements          | 7,187,618.44         | 0.00                | 0.00                | 7,187,618.44          | 0.00                 | 0.00                 | 0.00                | 0.00                 |
|   | <u>96,725,371.88</u> | <u>6,260,129.64</u> | <u>(744,689.80)</u> | <u>102,240,811.72</u> | <u>18,134,376.49</u> | <u>2,183,432.50</u>  | <u>(603,827.42)</u> | <u>19,713,981.57</u> |

# Cooperative Agreement Property

Monthly Reconciliation - Selected Month: 6/30/2021

June 30, 2021

|                                      |                            |            | Cost of Fixed Assets |           |           |         | Accumulated Depreciation |           |           |         |           |
|--------------------------------------|----------------------------|------------|----------------------|-----------|-----------|---------|--------------------------|-----------|-----------|---------|-----------|
| 000 - Cooperative Agreement Property |                            |            |                      |           |           |         |                          |           |           |         |           |
| Sys ID                               | Description                | Acquire    | In Service           | Beginning | Additions | Retired | Ending                   | Beginning | 6/30/2021 | Retired | Ending    |
| 120 - Building                       |                            |            |                      |           |           |         |                          |           |           |         |           |
| 34                                   | I.Rand Compressor Build    | 5/18/2021  | 5/18/2021            | 73,384.00 |           |         | 73,384.00                |           | 510.00    |         | 510.00    |
|                                      |                            |            |                      | 73,384.00 | 0.00      | 0.00    | 73,384.00                | 0.00      | 510.00    | 0.00    | 510.00    |
| 140 - Equipment                      |                            |            |                      |           |           |         |                          |           |           |         |           |
| 2                                    | Chiller - Davis Campus     | 7/1/2020   | 7/1/2020             | 83,875.25 |           |         | 83,875.25                | 8,022.63  | 729.37    |         | 8,752.00  |
| 3                                    | Chiller - Davis Campus     | 7/1/2020   | 7/1/2020             | 84,167.00 |           |         | 84,167.00                | 8,023.62  | 729.38    |         | 8,753.00  |
| 4                                    | UTV Tracks                 | 7/1/2020   | 7/1/2020             | 5,006.50  |           |         | 5,006.50                 | 567.38    | 51.62     |         | 619.00    |
| 5                                    | Bobcat Tool Cat            | 7/1/2020   | 7/1/2020             | 53,761.54 |           |         | 53,761.54                | 5,142.50  | 467.50    |         | 5,610.00  |
| 6                                    | Kubota 4 Seat Cab          | 7/1/2020   | 7/1/2020             | 5,893.77  |           |         | 5,893.77                 | 559.13    | 50.87     |         | 610.00    |
| 7                                    | Western Sander W/Contr     | 7/1/2020   | 7/1/2020             | 8,841.84  |           |         | 8,841.84                 | 846.12    | 76.88     |         | 923.00    |
| 8                                    | AC Utility Truck           | 7/1/2020   | 7/1/2020             | 14,625.00 |           |         | 14,625.00                | 1,375.00  | 125.00    |         | 1,500.00  |
| 9                                    | Refrigerated Sampler Iscc  | 7/1/2020   | 7/1/2020             | 5,713.96  |           |         | 5,713.96                 | 541.75    | 49.25     |         | 591.00    |
| 10                                   | Laser Flow System          | 7/1/2020   | 7/1/2020             | 17,335.24 |           |         | 17,335.24                | 1,643.62  | 149.38    |         | 1,793.00  |
| 11                                   | 3 Ton Locomotive Batter    | 7/1/2020   | 7/1/2020             | 7,200.00  |           |         | 7,200.00                 | 1,320.00  | 120.00    |         | 1,440.00  |
| 26                                   | Baker Hughes Submersib     | 7/1/2020   | 7/1/2020             | 37,434.00 |           |         | 37,434.00                | 21,677.37 | 1,970.63  |         | 23,648.00 |
| 27                                   | Hydro Pressure Transduc    | 7/1/2020   | 7/1/2020             | 7,477.30  |           |         | 7,477.30                 | 4,329.38  | 393.62    |         | 4,723.00  |
| 12                                   | Radon Monitor AlphaGu      | 7/30/2020  | 7/30/2020            | 12,523.50 |           |         | 12,523.50                | 1,043.60  | 104.40    |         | 1,148.00  |
| 13                                   | Radon Monitor Progeny      | 7/30/2020  | 7/30/2020            | 6,572.70  |           |         | 6,572.70                 | 547.30    | 54.70     |         | 602.00    |
| 17                                   | Laser Scanner              | 9/22/2020  | 9/22/2020            | 19,720.00 |           |         | 19,720.00                | 1,314.64  | 164.36    |         | 1,479.00  |
| 14                                   | MineSAFE 36 Hour Refu      | 9/25/2020  | 9/25/2020            | 58,000.00 |           |         | 58,000.00                | 1,933.36  | 241.64    |         | 2,175.00  |
| 15                                   | MineSAFE 36 Hour Refu      | 9/25/2020  | 9/25/2020            | 58,000.00 |           |         | 58,000.00                | 1,933.36  | 241.64    |         | 2,175.00  |
| 16                                   | MineSAFE 36 Hour Refu      | 9/25/2020  | 9/25/2020            | 58,000.00 |           |         | 58,000.00                | 1,933.36  | 241.64    |         | 2,175.00  |
| 18                                   | Cryo-Cycle II Cryostat 75  | 11/13/2020 | 11/13/2020           | 27,133.00 |           |         | 27,133.00                | 1,582.84  | 226.16    |         | 1,809.00  |
| 19                                   | Mobius LN2 Recycle Cor     | 11/20/2020 | 11/20/2020           | 36,972.60 |           |         | 36,972.60                | 1,848.84  | 308.16    |         | 2,157.00  |
| 20                                   | Mobius LN2 Recycle Cor     | 11/20/2020 | 11/20/2020           | 36,972.60 |           |         | 36,972.60                | 1,848.84  | 308.16    |         | 2,157.00  |
| 21                                   | Mobius LN2 Recycle Cor     | 11/20/2020 | 11/20/2020           | 36,972.60 |           |         | 36,972.60                | 1,848.84  | 308.16    |         | 2,157.00  |
| 24                                   | Mobius LN2 Recycler Cc     | 12/11/2020 | 12/11/2020           | 36,972.60 |           |         | 36,972.60                | 1,848.84  | 308.16    |         | 2,157.00  |
| 25                                   | Fusion Splicer w/CT50/B    | 12/16/2020 | 12/16/2020           | 10,360.00 |           |         | 10,360.00                | 287.50    | 57.50     |         | 345.00    |
| 29                                   | Perkin Elmer Liq.Scintill. | 2/23/2021  | 2/23/2021            | 35,190.00 |           |         | 35,190.00                | 879.75    | 293.25    |         | 1,173.00  |
| 28                                   | Flood Barrier 72"X48" H    | 3/1/2021   | 3/1/2021             | 10,350.00 |           |         | 10,350.00                | 258.75    | 86.25     |         | 345.00    |
| 22                                   | 5 Ton Electric Chain Hoi   | 3/16/2021  | 3/16/2021            | 5,170.00  |           |         | 5,170.00                 | 86.00     | 43.00     |         | 129.00    |
| 23                                   | 5 Ton Electric Chain Hoi   | 3/16/2021  | 3/16/2021            | 5,170.00  |           |         | 5,170.00                 | 86.00     | 43.00     |         | 129.00    |

Cost of Fixed Assets

Accumulated Depreciation

000 - Cooperative Agreement Property

| <b>Sys ID Description</b>    | <b>Acquire</b> | <b>In Service</b> | <b>Beginning</b> | <b>Additions</b> | <b>Retired</b> | <b>Ending</b> | <b>Beginning</b> | <b>6/30/2021</b> | <b>Retired</b> | <b>Ending</b> |
|------------------------------|----------------|-------------------|------------------|------------------|----------------|---------------|------------------|------------------|----------------|---------------|
| 140 - Equipment              |                |                   |                  |                  |                |               |                  |                  |                |               |
| 36 Herken Powerseat-ERT      | 5/10/2021      | 5/10/2021         | 8,554.87         |                  |                | 8,554.87      | 35.50            | 35.50            |                | 71.00         |
| 37 Harken Powerseat-ERT      | 5/10/2021      | 5/10/2021         | 8,554.87         |                  |                | 8,554.87      | 35.50            | 35.50            |                | 71.00         |
| 30 125HP I,Rand Compress     | 5/18/2021      | 5/18/2021         | 61,755.00        |                  |                | 61,755.00     |                  | 735.00           |                | 735.00        |
| 31 125HP I,Rand Compress     | 5/18/2021      | 5/18/2021         | 61,755.00        |                  |                | 61,755.00     |                  | 735.00           |                | 735.00        |
| 38 SterilKleen Lab Sink Cab  | 5/18/2021      | 5/18/2021         | 6,475.00         |                  |                | 6,475.00      |                  | 54.00            |                | 54.00         |
| 39 Sullair 185CFM Air Com    | 5/21/2021      | 5/21/2021         | 19,900.00        |                  |                | 19,900.00     |                  | 237.00           |                | 237.00        |
| 40 2014 Telescopic Fork TL   | 6/1/2021       | 6/1/2021          |                  | 53,690.00        |                | 53,690.00     |                  | 447.00           |                | 447.00        |
| 41 Desiccant Wheel Chiller ; | 6/23/2021      | 6/23/2021         |                  | 11,500.00        |                | 11,500.00     |                  |                  |                | 0.00          |
| 42 Chiller#3 - Davis Campu   | 6/23/2021      | 6/23/2021         |                  | 43,300.00        |                | 43,300.00     |                  |                  |                | 0.00          |
|                              |                |                   | 952,405.74       | 108,490.00       | 0.00           | 1,060,895.74  | 73,401.32        | 10,222.68        | 0.00           | 83,624.00     |

Summary

Cost of Fixed Assets

Accumulated Depreciation

| 000 - Cooperative Agreement Property |                     |                   |             |                     |                  |                  |             |                  |
|--------------------------------------|---------------------|-------------------|-------------|---------------------|------------------|------------------|-------------|------------------|
| 6/30/2021                            | Beginning           | Additions         | Retired     | Ending              | Beginning        | 6/30/2021        | Retired     | Ending           |
| 120 - Building                       | 73,384.00           | 0.00              | 0.00        | 73,384.00           | 0.00             | 510.00           | 0.00        | 510.00           |
| 140 - Equipment                      | 952,405.74          | 108,490.00        | 0.00        | 1,060,895.74        | 73,401.32        | 10,222.68        | 0.00        | 83,624.00        |
|                                      | <u>1,025,789.74</u> | <u>108,490.00</u> | <u>0.00</u> | <u>1,134,279.74</u> | <u>73,401.32</u> | <u>10,732.68</u> | <u>0.00</u> | <u>84,134.00</u> |

# DOE Abandoned Property

Monthly Reconciliation - Selected Month: 6/30/2021

June 30, 2021

|                              |                            |           | Cost of Fixed Assets |           |           |         | Accumulated Depreciation |           |           |         |           |
|------------------------------|----------------------------|-----------|----------------------|-----------|-----------|---------|--------------------------|-----------|-----------|---------|-----------|
| 000 - DOE Abandoned Property |                            |           |                      |           |           |         |                          |           |           |         |           |
| Sys ID                       | Description                | Acquire   | In Service           | Beginning | Additions | Retired | Ending                   | Beginning | 6/30/2021 | Retired | Ending    |
| 140 - Equipment              |                            |           |                      |           |           |         |                          |           |           |         |           |
| 3                            | Figure 8 Fiber Optic Cab   | 6/30/2020 | 6/30/2020            | 5,790.00  |           |         | 5,790.00                 | 441.87    | 40.13     |         | 482.00    |
| 5                            | Davis Campus 4850VM I      | 6/30/2020 | 6/30/2020            | 9,777.97  |           |         | 9,777.97                 | 1,120.13  | 101.87    |         | 1,222.00  |
| 6                            | Fusion Splicer W/Cleaver   | 6/30/2020 | 6/30/2020            | 8,446.90  |           |         | 8,446.90                 | 957.88    | 87.12     |         | 1,045.00  |
| 7                            | Baldor 400HP Power Mo      | 6/30/2020 | 6/30/2020            | 5,793.34  |           |         | 5,793.34                 | 403.37    | 36.63     |         | 440.00    |
| 9                            | Track-O-Lift Stair Climb   | 6/30/2020 | 6/30/2020            | 9,121.37  |           |         | 9,121.37                 | 2,333.87  | 212.13    |         | 2,546.00  |
| 10                           | Titan Air Make-Up Unit     | 6/30/2020 | 6/30/2020            | 11,185.37 |           |         | 11,185.37                | 2,861.87  | 260.13    |         | 3,122.00  |
| 11                           | Titan Air Make-Up Unit     | 6/30/2020 | 6/30/2020            | 11,185.37 |           |         | 11,185.37                | 2,861.87  | 260.13    |         | 3,122.00  |
| 12                           | 2016 John Deere 324K L     | 6/30/2020 | 6/30/2020            | 58,072.40 |           |         | 58,072.40                | 9,608.50  | 873.50    |         | 10,482.00 |
| 13                           | Orenco Septic System       | 6/30/2020 | 6/30/2020            | 8,193.69  |           |         | 8,193.69                 | 3,605.25  | 327.75    |         | 3,933.00  |
| 14                           | Bosch Buderus Boiler - F   | 6/30/2020 | 6/30/2020            | 10,841.04 |           |         | 10,841.04                | 1,403.38  | 127.62    |         | 1,531.00  |
| 15                           | Bosch Buderus Boiler - F   | 6/30/2020 | 6/30/2020            | 10,841.04 |           |         | 10,841.04                | 1,403.38  | 127.62    |         | 1,531.00  |
| 16                           | Bosch Buderus Boiler - F   | 6/30/2020 | 6/30/2020            | 10,841.04 |           |         | 10,841.04                | 1,403.38  | 127.62    |         | 1,531.00  |
| 17                           | Draeger RZ 7000            | 6/30/2020 | 6/30/2020            | 5,097.51  |           |         | 5,097.51                 | 637.12    | 57.88     |         | 695.00    |
| 23                           | Crane Test Weights         | 6/30/2020 | 6/30/2020            | 11,060.85 |           |         | 11,060.85                | 1,280.62  | 116.38    |         | 1,397.00  |
| 24                           | BullsEye Training Packag   | 6/30/2020 | 6/30/2020            | 15,807.00 |           |         | 15,807.00                | 4,829.88  | 439.12    |         | 5,269.00  |
| 25                           | Fletcher Feed Assembly     | 6/30/2020 | 6/30/2020            | 11,602.09 |           |         | 11,602.09                | 1,963.50  | 178.50    |         | 2,142.00  |
| 26                           | Locomotive Controller      | 6/30/2020 | 6/30/2020            | 6,035.71  |           |         | 6,035.71                 | 1,021.13  | 92.87     |         | 1,114.00  |
| 27                           | Bobcat 2018 MT85 W/A       | 6/30/2020 | 6/30/2020            | 24,814.32 |           |         | 24,814.32                | 2,675.75  | 243.25    |         | 2,919.00  |
| 29                           | Kubota 2019 Diesel RTV     | 6/30/2020 | 6/30/2020            | 12,812.68 |           |         | 12,812.68                | 1,312.63  | 119.37    |         | 1,432.00  |
| 30                           | Kubota 2019 Diesel RTV     | 6/30/2020 | 6/30/2020            | 12,812.68 |           |         | 12,812.68                | 1,312.63  | 119.37    |         | 1,432.00  |
| 31                           | Kubota 2019 Diesel RTV     | 6/30/2020 | 6/30/2020            | 12,812.68 |           |         | 12,812.68                | 1,312.63  | 119.37    |         | 1,432.00  |
| 32                           | Battery Tray - 8T Locom    | 6/30/2020 | 6/30/2020            | 8,769.56  |           |         | 8,769.56                 | 1,321.87  | 120.13    |         | 1,442.00  |
| 33                           | Battery Tray - 8T Locom    | 6/30/2020 | 6/30/2020            | 8,769.56  |           |         | 8,769.56                 | 1,321.87  | 120.13    |         | 1,442.00  |
| 35                           | 8 Ton Locomotive           | 11/1/2020 | 11/1/2020            | 50,571.43 |           |         | 50,571.43                | 4,916.66  | 702.34    |         | 5,619.00  |
| 36                           | 8 Ton Locomotive           | 11/1/2020 | 11/1/2020            | 50,571.43 |           |         | 50,571.43                | 4,916.66  | 702.34    |         | 5,619.00  |
| 37                           | 8 Ton Locomotive           | 11/1/2020 | 11/1/2020            | 50,571.43 |           |         | 50,571.43                | 4,916.66  | 702.34    |         | 5,619.00  |
| 38                           | 96V Loco. Battery Charg    | 11/1/2020 | 11/1/2020            | 5,185.72  |           |         | 5,185.72                 | 756.00    | 108.00    |         | 864.00    |
| 39                           | 96V Loco. Battery Charg    | 11/1/2020 | 11/1/2020            | 5,185.72  |           |         | 5,185.72                 | 756.00    | 108.00    |         | 864.00    |
| 40                           | 96V Loco. Battery Charg    | 11/1/2020 | 11/1/2020            | 5,185.72  |           |         | 5,185.72                 | 756.00    | 108.00    |         | 864.00    |
| 41                           | Electric Hoist 5 Ton - Ort | 11/1/2020 | 11/1/2020            | 6,248.63  |           |         | 6,248.63                 | 408.66    | 58.34     |         | 467.00    |
| 42                           | Porta Count Respirator Fi  | 11/1/2020 | 11/1/2020            | 12,008.40 |           |         | 12,008.40                | 792.75    | 113.25    |         | 906.00    |

Cost of Fixed Assets

Accumulated Depreciation

| 000 - DOE Abandoned Property |                           |           |            |                   |             |             |                   |                  |                 |             |                  |
|------------------------------|---------------------------|-----------|------------|-------------------|-------------|-------------|-------------------|------------------|-----------------|-------------|------------------|
| Sys ID                       | Description               | Acquire   | In Service | Beginning         | Additions   | Retired     | Ending            | Beginning        | 6/30/2021       | Retired     | Ending           |
| 140 - Equipment              |                           |           |            |                   |             |             |                   |                  |                 |             |                  |
| 43                           | Flygt 3HP Handling Pum    | 11/1/2020 | 11/1/2020  | 5,007.74          |             |             | 5,007.74          | 324.66           | 46.34           |             | 371.00           |
| 45                           | Refuge Chamber Capacit    | 11/1/2020 | 11/1/2020  | 178,624.50        |             |             | 178,624.50        | 11,796.75        | 1,685.25        |             | 13,482.00        |
| 44                           | Kubota 4 Seater Utility V | 11/1/2020 | 11/2/2020  | 13,742.84         |             |             | 13,742.84         | 895.16           | 127.84          |             | 1,023.00         |
| 46                           | 1-5/8 Rope                | 11/5/2020 | 11/5/2020  | 68,808.60         |             |             | 68,808.60         | 4,013.66         | 573.34          |             | 4,587.00         |
|                              |                           |           |            | <u>742,196.33</u> | <u>0.00</u> | <u>0.00</u> | <u>742,196.33</u> | <u>82,644.00</u> | <u>9,344.00</u> | <u>0.00</u> | <u>91,988.00</u> |



SD Science & Technology A

Project Non-Labor Detail Report

|                             |                           |                                |                      |
|-----------------------------|---------------------------|--------------------------------|----------------------|
| <b>Project:</b>             | 8000.026.1.01.03.BRG1     | <b>Status:</b>                 | Active               |
| <b>Project Description:</b> | DOE-BRG Fixed AssetsNoG/A | <b>Project Classification:</b> | DIRECT PROJECT       |
| <b>Organization:</b>        | 1.01.01.00                | <b>Project Type:</b>           | CPFF                 |
| <b>Prime Contract No:</b>   | DE-AC02-07CH11359         | <b>Period of Performance:</b>  | 10/01/16 to 09/30/19 |
| <b>Subcontract No:</b>      | 629760                    | <b>Customer:</b>               | 8000-026             |
| <b>Purchase Order No:</b>   |                           | <b>Project Abbreviation:</b>   | 113BR                |
| <b>Project Manager:</b>     | Mike Headley              |                                |                      |

DOE Property  
 Under FRA subcontract 629760  
 to be transferred to SDSTA.  
 (in process)

| Name  | JE No./<br>Vchr No. | Invoice          | Transaction Description        | Fiscal<br>Year | Pd | Amount           |
|---|---------------------|------------------|--------------------------------|----------------|----|------------------|
| <b>5100-0045-000 CAPITAL OUTLAY &gt;\$5K</b>                        |                     |                  |                                |                |    |                  |
| Crum Electric Supply  |                     | 33419 2105109-00 | 350 - HP VFD's Spendrup Fan    | 2020           | 2  | 35,794.84        |
| Lead-Deadwood Sanitary Di   |                     | 33973 09/27/19   | Omni 8C2 1000G Water Meter     | 2020           | 3  | 8,006.00         |
| Crum Electric Supply  |                     | 35131 2105109-01 | Lightening/SurgeProt./LoadReac | 2020           | 5  | 3,680.78         |
| <b>Subtotal for 5100-0045-000 CAPITAL OUTLAY &gt;\$5K</b>           |                     |                  |                                |                |    | <b>47,481.62</b> |
| <b>Subtotal for 8000.026.1.01.03.BRG1 DOE-BRG Fixed AssetsNoG/A</b> |                     |                  |                                |                |    | <b>47,481.62</b> |

PROPERTY MANAGEMENT SYSTEM ASSESSMENT  
 PROPERTY REPORT CERTIFICATE  
 PROPERTY REPORT

LBNL subcontract #7255146

Subcontract Number: 7255146

Date: 6/30/20

| Subcontractor Property Identification Number | Qty | Property Description, Manufacturer Name, Agreement No. | DOE/property Number | SDSTA Asset # | Serial Number | Model Number | Location                | Acquisition Date | Condition at purchase | Grams | Unit Cost     | Total Cost    | Tagged | Notes        |
|--|-----|--|---------------------|---------------|---------------|--------------|-------------------------|------------------|-----------------------|-------|---------------|---------------|--------|--------------|
| 1  | 1   | Nitrogen Distribution System                           |                     |               |               |              | Davis Campus LBNL Space |                  |                       |       | \$ 298,781.13 | \$ 298,781.13 |        | Various PO's |
| 2  | 1   | Thermosyphon System                                    |                     |               |               |              | Davis Campus LBNL Space |                  |                       |       | \$ 188,474.82 | \$ 188,474.82 |        | Various PO's |
| 3  | 1   | Vacuum System  |                     |               |               |              | Davis Campus LBNL Space |                  |                       |       | \$ 242,385.84 | \$ 242,385.84 |        | Various PO's |
| 3  | 1   | Breakout System  |                     |               |               |              | Davis Campus LBNL Space |                  |                       |       | \$ 180,289.40 | \$ 180,289.40 |        | Various PO's |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               |               |        |              |
|  |     |  |                     |               |               |              |                         |                  |                       |       |               | \$ 909,931.19 |        |              |

\*SDSTA took possession of this pump and motor Jan. 1, 2018 upon termination of lease agreement. Leased in 2012; at end of life but still functioning. Scheduled for replacement upon failure, est. by Sept 2018.

At the close of an agreement, ALL Government Furnished Property (GFP) and Subcontractor Acquired Property (SAP) including materials must be accounted for regardless of the value of the property.

Residual Materials: Remaining property that may be incorporated into or attached to a property item. It includes, but is not limited to precious metals, raw or processed materials, parts, components, assemblies or supplies

| CONDITION CODES  |                   |   |
|--|-------------------|---|
| For the purpose of indicating Condition of Property, please use the following codes: |                   |   |
| Condition Code   | Brief Description | Expanded Definition   |
| 1  | Excellent         | Property which is in new condition or unused condition and can be used immediately without modifications or repairs.              |
| 4  | Usable            | Property which shows some wear, but can be used without significant repair.   |
| 7  | Repairable        | Property which is unusable in its current condition but can be economically repaired.   |
| X  | Salvage           | Property which has value in excess of its basic material content but repair or rehabilitation is impractical and/or uneconomical. |
| S  | Scrap             | Property which has no value except for its basic material content.  |

**PROPERTY MANAGEMENT SYSTEM ASSESSMENT  
PROPERTY REPORT CERTIFICATE  
PROPERTY REPORT**

Subcontract Number: 674969

Date: 6/30/21

| Subcontractor Property Identification Number | Qty | Property Description, Manufacturer Name, Agreement No. | DOE/FRA Property Number | SDSTA Asset # | Serial Number | Vendor       | Location   | Acquisition Date | Condition at purchase | Grams | Unit Cost   | Total Cost  | Tagged | Notes      |
|--|-----|--|-------------------------|---------------|---------------|--------------|------------|------------------|-----------------------|-------|-------------|-------------|--------|------------|
| 1  | 1   | Torque Wrench/Batteries                                |                         |               |               | Torque Tools | Ross Tools | 6/30/2021        | 1                     |       | \$ 5,916.00 | \$ 5,916.00 |        | P.O.#18076 |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |
|  |     |  |                         |               |               |              |            |                  |                       |       |             |             |        |            |

At the close of an agreement, ALL Government Furnished Property (GFP) and Subcontractor Acquired Property (SAP) including materials must be accounted for regardless of the value of the property.

Residual Materials: Remaining property that may be incorporated into or attached to a property item. It includes, but is not limited to precious metals, raw or processed materials, parts, components, assemblies or supplies

| <b>CONDITION CODES</b>   |                          |   |
|--|--------------------------|---|
| For the purpose of indicating Condition of Property, please use the following codes: |                          |   |
| <u>Condition Code</u>  | <u>Brief Description</u> | <u>Expanded Definition</u>  |
| 1  | Excellent                | Property which is in new condition or unused condition and can be used immediately without modifications or repairs.              |
| 4  | Usable                   | Property which shows some wear, but can be used without significant repair.   |
| 7  | Repairable               | Property which is unusable in its current condition but can be economically repaired.   |
| X  | Salvage                  | Property which has value in excess of its basic material content but repair or rehabilitation is impractical and/or uneconomical. |
| S  | Scrap                    | Property which has no value except for its basic material content.  |

PROPERTY MANAGEMENT SYSTEM ASSESSMENT  
PROPERTY REPORT CERTIFICATE  
PROPERTY REPORT

Subcontract Number: 630223

Date: 6.19.19

| Subcontractor Property Identification Number | Qty | Property Description, Manufacturer Name, Agreement No. | DOE/FRA Property Number | SDSTA Asset # | Serial Number | Vendor     | Location                  | Acquisition Date | Condition at purchase | Grams | Unit Cost    | Total Cost    | Tagged | Notes                   |
|--|-----|--|-------------------------|---------------|---------------|------------|---------------------------|------------------|-----------------------|-------|--------------|---------------|--------|-------------------------|
| 1  | 1   | Slack Rope System Hardware                             |                         |               |               | G.L. Tiley | Ross                      | 3/2/2018         | 1                     |       | \$ 63,917.00 | \$ 63,917.00  |        | Contract #2013-39 CO#14 |
| 2  | 1   | Dog System Retrofit Kit                                |                         |               |               | G.L. Tiley | Rope House Road Dec. 2020 | 3/8/2018         | 1                     |       | \$ 36,800.00 | \$ 36,800.00  |        | Contract #2013-39 CO#15 |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              |               |        |                         |
|  |     |  |                         |               |               |            |                           |                  |                       |       |              | \$ 100,717.00 |        |                         |

| CONDITION CODES  |                   |   |
|--|-------------------|---|
| For the purpose of indicating Condition of Property, please use the following codes: |                   |   |
| Condition Code   | Brief Description | Expanded Definition   |
| 1  | Excellent         | Property which is in new condition or unused condition and can be used immediately without modifications or repairs.              |
| 4  | Usable            | Property which shows some wear, but can be used without significant repair.   |
| 7  | Repairable        | Property which is unusable in its current condition but can be economically repaired.   |
| X  | Salvage           | Property which has value in excess of its basic material content but repair or rehabilitation is impractical and/or uneconomical. |
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SD Science and Technology Authority  
Consolidated Report 06/30/21  
Inventory of Supplies

| Inventory of Supplies                                  | Additions<br>2019 | Deletions<br>2019 | Balance 2019    | Additions 2020 | Deletions<br>2020 | Balance 2020    | Additions 2021  | Deletions 2021 | Balance 2021    |
|--|-------------------|-------------------|-----------------|----------------|-------------------|-----------------|-----------------|----------------|-----------------|
| Foundry Motors/Tuggers/Switches/Skips                  |                   |                   | \$ 779,000.00   |                |                   | \$ 779,000.00   |                 |                | \$ 779,000.00   |
| Transformers in Foundry                                |                   |                   | \$ 94,346.30    |                |                   | \$ 94,346.30    |                 |                | \$ 94,346.30    |
| Transformers in Machine Shop                           |                   |                   | \$ 114,650.00   |                |                   | \$ 114,650.00   |                 |                | \$ 114,650.00   |
| (from 6Winze) 6800/8000 Pump/Motor Spares              |                   |                   | \$ 23,975.00    |                |                   | \$ 23,975.00    |                 |                | \$ 23,975.00    |
| Ropes  |                   |                   | \$ 9,842.86     |                |                   | \$ 9,842.86     |                 |                | \$ 9,842.86     |
| Transformers Refurbished (Machine Shop)                |                   |                   | \$ 17,400.00    |                |                   | \$ 17,400.00    |                 |                | \$ 17,400.00    |
| Shaft Level Pumps (from Homestake)                     |                   | \$ 15,975.46      | \$ 267,560.90   |                |                   | \$ 267,560.90   |                 |                | \$ 267,560.90   |
| Benshaw Softstart Starters (3)                         |                   |                   | \$ 105,772.27   |                |                   | \$ 105,772.27   |                 |                | \$ 105,772.27   |
| Used Joy Fans (2)                                      |                   |                   | \$ 13,372.00    |                |                   | \$ 13,372.00    |                 |                | \$ 13,372.00    |
| Baldor Motor (5000LSpare) S#S9069457-001 001           |                   |                   | \$ 6,240.00     |                |                   | \$ 6,240.00     |                 |                | \$ 6,240.00     |
| Flygt Pump (Yates Sump Spare) S#1070147                |                   |                   | \$ 22,870.00    |                | \$ 22,870.00      | \$ -            |                 |                | \$ -            |
| Sandpiper Air Powered Dbl Diaph.PumpS#1905122          |                   |                   | \$ 5,328.06     |                |                   | \$ 5,328.06     |                 |                | \$ 5,328.06     |
| Cable from Improvements Progress                       |                   |                   | \$ 354,853.92   |                |                   | \$ 354,853.92   |                 |                | \$ 354,853.92   |
| Tsurumi Pumps  |                   | \$ 29,519.42      | \$ -            |                |                   | \$ -            |                 |                | \$ -            |
| 10,000KVA Transformer S# 161916B                       |                   |                   | \$ 10,000.00    |                |                   | \$ 10,000.00    |                 |                | \$ 10,000.00    |
| Termination Cabinets (4) for Ross Pump System          |                   |                   | \$ 15,914.48    |                |                   | \$ 15,914.48    |                 |                | \$ 15,914.48    |
| #5 Shaft Axial Flow Mine Fan S# 3533                   |                   |                   | \$ 47,245.51    |                |                   | \$ 47,245.51    |                 |                | \$ 47,245.51    |
| DAD Pump S#882157                                      |                   |                   | \$ 140,191.41   |                |                   | \$ 140,191.41   |                 |                | \$ 140,191.41   |
| DAD Pump S#882158-TR121310JT                           |                   |                   | \$ 131,559.36   |                |                   | \$ 131,559.36   |                 |                | \$ 131,559.36   |
| (2) Siemen Motors Malloy (for2 X 11 DAD Pumps)         |                   |                   | \$ 94,011.92    |                |                   | \$ 94,011.92    |                 |                | \$ 94,011.92    |
| Sky Climber Electric 208V Hoist                        |                   |                   | \$ 5,880.13     |                |                   | \$ 5,880.13     |                 |                | \$ 5,880.13     |
| AC Generator 1974 kato S#73392                         |                   |                   | \$ -            |                |                   | \$ -            |                 |                | \$ -            |
| Delta Optical Comparator                               |                   |                   | \$ 21,783.37    |                |                   | \$ 21,783.37    |                 |                | \$ 21,783.37    |
| (4) Skid Tanks Pumping System                          |                   |                   | \$ 15,668.98    |                |                   | \$ 15,668.98    |                 |                | \$ 15,668.98    |
| Concrete Busket Dumas                                  |                   | \$ 10,797.51      | \$ -            |                |                   | \$ -            |                 |                | \$ -            |
| Cement Hopper E-Z Fab                                  |                   | \$ 10,614.00      | \$ -            |                |                   | \$ -            |                 |                | \$ -            |
| Surface Lab Water Tank                                 |                   |                   | \$ 8,373.54     |                |                   | \$ 8,373.54     |                 |                | \$ 8,373.54     |
| Portable Generator S#J100VC06016590                    |                   |                   | \$ 3,839.00     |                |                   | \$ 3,839.00     |                 |                | \$ 3,839.00     |
| Dry Ice Blast Unit                                     |                   |                   | \$ -            |                |                   | \$ -            |                 |                | \$ -            |
| Cisco Nexus Core Switch 93180YC-FX                     | \$ 10,909.00      |                   | \$ 10,909.00    |                | \$ 10,909.00      | \$ -            |                 |                | \$ -            |
| <b>Pumps from DOE Property Transfer (see next tab)</b> |                   |                   |                 | \$ 135,712.40  |                   | \$ 135,712.40   |                 |                | \$ 135,712.40   |
| CA 1-5/8 Hoist Rope (Ross)                             |                   |                   |                 |                |                   |                 | \$ 68,808.60    | \$ 68,808.60   | \$ -            |
| CA Property Refuge Chambers (3)                        |                   |                   |                 |                |                   |                 | \$ 174,000.00   | \$ 174,000.00  | \$ -            |
| CA Property Liquid Scintillation Analyzer Surface Lab  |                   |                   |                 |                |                   |                 | \$ 35,190.00    | \$ 35,190.00   | \$ -            |
| DOE Prop. Abandoned - Warehouse Inv. 6/30/2021         |                   |                   |                 |                |                   |                 | \$ 232,720.45   |                | \$ 232,720.45   |
| CA Property Chexter Valve w/Seal fr. 2020              |                   |                   |                 |                |                   |                 | \$ 7,187.50     |                | \$ 7,187.50     |
| <b>DOE Prop. Transfer#2 Nov. 2020 (see next tab)</b>   |                   |                   |                 |                |                   |                 | \$ 311,028.44   |                | \$ 311,028.44   |
| Ross CageWorkDeck fr. 2012                             |                   |                   |                 |                |                   |                 | \$ 1,909.00     |                | \$ 1,909.00     |
| Profi 1-Ton Air Hoist S#405031                         |                   |                   |                 |                |                   |                 | \$ 930.00       |                | \$ 930.00       |
| Skyclimber Electric Hoist 208V                         |                   |                   |                 |                |                   |                 | \$ 1,095.85     |                | \$ 1,095.85     |
| Skyclimber Electric Hoist 208V                         |                   |                   |                 |                |                   |                 | \$ 1,095.85     |                | \$ 1,095.85     |
| Skyclimber Electric Hoist 208V                         |                   |                   |                 |                |                   |                 | \$ 1,095.85     |                | \$ 1,095.85     |
| Skyclimber Electric Hoist 208V                         |                   |                   |                 |                |                   |                 | \$ 1,095.85     |                | \$ 1,095.85     |
| Jib Crane C Mount 6,2083' Span                         |                   |                   |                 |                |                   |                 | \$ 4,927.00     |                | \$ 4,927.00     |
| Jib Crane C Mount 8.9166' Span                         |                   |                   |                 |                |                   |                 | \$ 5,329.00     |                | \$ 5,329.00     |
| Profi 1-Ton Air Hoist S#P405380                        |                   |                   |                 |                |                   |                 | \$ 1,548.07     |                | \$ 1,548.07     |
| Profi 1-Ton Air Hoist S#306205                         |                   |                   |                 |                |                   |                 | \$ 3,131.00     |                | \$ 3,131.00     |
| Skyclimber Work Deck                                   |                   |                   |                 |                |                   |                 | \$ 11,196.86    |                | \$ 11,196.86    |
| CA Property Purchase Hydro Deep Well Pump              |                   |                   |                 |                |                   |                 | \$ 241,665.00   |                | \$ 241,665.00   |
| CA Property Purchase Flygt SH Pump; SN 2110052         |                   |                   |                 |                |                   |                 | \$ 6,784.00     |                | \$ 6,784.00     |
| <b>Totals</b>  | \$ 10,909.00      | \$ 66,906.39      | \$ 2,320,588.01 | \$ 135,712.40  | \$ 33,779.00      | \$ 2,422,521.41 | \$ 1,110,738.32 | \$ 277,998.80  | \$ 3,233,261.13 |

DOE Abandoned Property #1 Items in Inventory of Supplies

| Item                                       | Life           | Value      | Serial #           | Details                             |
|--|----------------|------------|--------------------|-------------------------------------|
| Flygt Submersible Pump with 50' Cable 30HP | 2.58 Yrs. Left | 5,295.83   | 1280005            | Used 7 yrs. 5 months out of 10 Yrs. |
| Cornell 6H-F16 Pump Motor Assembly         | 10             | 20,823.75  | 187888/A1309122094 |                                     |
| Cornell 6H-F16K Pump End Only              | 10             | 6,867.90   | 187892             |                                     |
| Flygt Submersible Pump 58HP w/50' Cord     | 8.666Yrs. Left | 21,364.20  | 1540033            | Used 16 months                      |
| Flygt Submersible Pump 58HP 460 V Impeller | 10             | 25,390.80  | 1740031            |                                     |
| Flygt Dewater Pump 13HP HT234 Impeller     | 10             | 9,983.92   | 2125.181-1770014   |                                     |
| Flygt Dewater Pump 58HP 460V w/50' Cord    | 10             | 29,200.00  | 1750057            |                                     |
| Flygt Sewage Pump 15HP                     | 10             | 16,786.00  | 1880050            |                                     |
| Total Value                                |                | 135,712.40 |                    |                                     |

DOE Abandoned Property #2 Items in Inventory of Supplies

| Item   | Life | Value      | Serial #                           | Details                                    |
|--|------|------------|------------------------------------|--|
| 1.545 X 5450' 8 Pair Half Lock Galv. Dog Ropes (2)               | 10   | 159,784.09 | Silver State Wire Rope No S#       | Yates Crusher Room Storage                 |
| 1 7/8 6X30G-SFC Wire Rope (2)                                    | 10   | 145,680.20 | Wire Co. No S#                     | Yates Crusher Room Storage                 |
| Flygt 3HP Handling Pump 460V                                     | 10   | 5,564.15   | 1960038                            | Ross Pipe Shop                             |
| Total  |      | 311,028.44 |                                    |  |
| Omni 8C2 1000g Water Meter                                       | 10   | 8,006.00   | will use with Yates Water new line |  |
| 350 HP VFD's Spendrup Fan/Surge Protect.(2)                      | 15   | 39,475.62  | 2019070047 & 2019070048            | Critical Spares Spendrup back up Fan OroH. |
| Adjustment by FRA Mar. 2021 Taken off list of abandoned property |      |            |                                    |  |

CA Property Items in Inventory of Supplies

| Item  | Life | Value         | Serial # | Details |
|---|------|---------------|----------|---------|
| Hydro Resources Deep Well Pump              | 2    | \$ 241,665.00 |          |         |
| CA Property Chexter Valve w/Seal            |      | \$ 7,187.50   |          |         |
| Northern Dewatering Flygt SH Pump S#2110052 |      | \$ 6,784.00   | 2110052  |         |
| Total Value                                 |      | \$ 255,636.50 |          |         |

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SDSTA Board of Directors  
FY2021 Per Diems

**PER DIEM PAYMENTS MADE TO BOARD MEMBERS IN FY 2021**

| <u>Date</u> | <u>Name</u>         | <u>Purpose</u>   | <u>Amount</u> |
|-------------|---------------------|--|---------------|
| 07/10/20    | Peterson, Casey C.  | 7/10/20 SDSTA Leadership Succession discussion and a couple teleconferences regarding Dakota Territory in payroll period   | 150.00        |
| 07/24/20    | Lebrun, Patricia O. | 7/24/20 SDSTA BoD Telephonic Special Mtg   | 75.00         |
| 07/24/20    | Peterson, Casey C.  | 7/17/20 & 7/22/20 teleconferences with Dakota Territory Resource Outreach Group Exec Team  | 225.00        |
| 07/24/20    | Wilson, Robert J.   | 7/24/20 SDSTA BoD Telephonic Special Mtg   | 75.00         |
| 08/07/20    | Peterson, Casey C.  | 7/30 Ethnobotanical Garden/sacred circle discussion with SURF Fdtn<br>8/4 EOS discussion with SDSTA Exec Mgmt  | 150.00        |
| 08/21/20    | Peterson, Casey C.  | 8/12 Dakota Territory Resource Group discussion on mining proposal   | 75.00         |
| 09/04/20    | Peterson, Casey C.  | 8/29 D Sanford PR discussion with Mike H   | 75.00         |
| 09/18/20    | Dykhouse, Dana J.   | 9/8 Audit Committee Mtg; 9/17 Quarterly SDSTA Board Meeting  | 150.00        |
| 09/18/20    | Lebrun, Patricia O. | 9/8 Audit Committee Mtg; 9/17 Quarterly SDSTA Board Meeting  | 150.00        |
| 09/18/20    | Peterson, Casey C.  | 9/17 Quarterly SDSTA Board Meeting   | 75.00         |
| 09/18/20    | Wilson, Robert J.   | 9/17 Quarterly SDSTA Board Meeting   | 75.00         |
| 10/02/20    | Peterson, Casey C.  | 10/2/20 Conference call regarding SSAC presentation  | 75.00         |
| 10/16/20    | Peterson, Casey C.  | 10/5/20 Dakota Territory RC discussion with Tim and Exec Cmte  | 75.00         |
| 11/13/20    | Dykhouse, Dana J.   | 11/9/20 Audit Committee Meeting  | 75.00         |
| 11/13/20    | Lebrun, Patricia O. | 11/9/20 Audit Committee Meeting  | 75.00         |
| 11/13/20    | Peterson, Casey C.  | 11/3/20, 11/5/20 SPAC (Strategic Planning Advisory Committee)/LBNF virtual meeting<br>11/9/20 SDSTA discussion with Spearfish Downtown Business Assoc regarding naming event (Trail of Treats) | 225.00        |
| 12/11/20    | Aprahamian, Ani     | 12/4/20 SDSTA Telephonic Special Board Mtg   | 75.00         |
| 12/11/20    | Dykhouse, Dana J.   | 12/4/20 SDSTA Telephonic Special Board Mtg   | 75.00         |
| 12/11/20    | Lebrun, Patricia O. | 12/4/20 SDSTA Telephonic Special Board Mtg   | 75.00         |
| 12/11/20    | Peterson, Casey C.  | 12/4/20 SDSTA Telephonic Special Board Mtg<br>12/9/20 Review and signing of Agreements<br>12/10/20 Andersen Economic Group mtg to review study of econ impact of SDSTA                         | 225.00        |
| 12/11/20    | Wilson, Robert J.   | 12/4/20 SDSTA Telephonic Special Board Mtg   | 75.00         |
| 12/25/20    | Aprahamian, Ani     | 12/17/20 SDSTA Quarterly Board Mtg   | 75.00         |
| 12/25/20    | Dykhouse, Dana J.   | 12/17/20 SDSTA Quarterly Board Mtg   | 75.00         |
| 12/25/20    | Lebrun, Patricia O. | 12/17/20 SDSTA Quarterly Board Mtg   | 75.00         |
| 12/25/20    | Peterson, Casey C.  | 12/14-12/15/20 Andersen Economic Group mtg<br>12/17/20 SDSTA Quarterly Board Mtg   | 225.00        |
| 12/25/20    | Wilson, Robert J.   | 12/17/20 SDSTA Quarterly Board Mtg   | 75.00         |
| 01/08/21    | Peterson, Casey C.  | 1/4/21 Meet with SD Mines and Mike H regarding SURF Institute  | 75.00         |
| 02/05/21    | Aprahamian, Ani     | 1/25/21 SDSTA Board Telephonic Special Mtg   | 75.00         |
| 02/05/21    | Lebrun, Patricia O. | 1/25/21 SDSTA Board Telephonic Special Mtg   | 75.00         |
| 02/05/21    | Peterson, Casey C.  | 1/25/21 SDSTA Board Telephonic Special Mtg<br>2/2/21 Misc phone calls with Mike regarding SDSTA personnel  | 75.00         |
| 02/05/21    | Wilson, Robert J.   | 1/25/21 SDSTA Board Telephonic Special Mtg   | 75.00         |
| 02/19/21    | Peterson, Casey C.  | 2/12 SLAC xeonon issue and review of letter  | 75.00         |
| 03/19/21    | Peterson, Casey C.  | 3/17/21 LBNF/DUNE Strategic Planning Advisory Committee (SPAC) mtg<br>3/19/21 SPAC follow-up mtg   | 150.00        |
| 04/02/21    | Aprahamian, Ani     | 3/25/21 SDSTA Quarterly Board meeting; joined via zoom.  | 75.00         |
| 04/02/21    | Dykhouse, Dana J.   | 3/25/21 SDSTA Quarterly Board meeting; onsite and via zoom.  | 75.00         |
| 04/02/21    | Lebrun, Patricia O. | 3/25/21 SDSTA Quarterly Board meeting; onsite.   | 75.00         |
| 04/02/21    | Peterson, Casey C.  | 3/22/21 Discussions on insurance and personnel matters with TME and Mike<br>3/25/21 SDSTA Quarterly Board meeting; onsite.<br>3/30/21 Follow up discussion on insurance and personnel matters. | 225.00        |
| 04/02/21    | Wilson, Robert J.   | 3/25/21 SDSTA Quarterly Board meeting; joined via zoom.  | 75.00         |

**PER DIEM PAYMENTS MADE TO BOARD MEMBERS IN FY 2021**

| <u>Date</u> | <u>Name</u>         | <u>Purpose</u>   | <u>Amount</u>   |
|-------------|---------------------|--|-----------------|
| 04/30/21    | Peterson, Casey C.  | 4/19-4/30 Misc phone calls with Anderson Economic Group and Chris Fall.  | 75.00           |
| 05/14/21    | Peterson, Casey C.  | 5/1/21 call with Mike, Roger and Ron regarding requests for xenon usage post LZ<br>5/7/21 call with Mike on board and legal issues | 150.00          |
| 05/28/21    | Dykhouse, Dana J.   | 5/20/21 Met as nominating committee to discuss election of officers  | 75.00           |
| 05/28/21    | Peterson, Casey C.  | 5/18/21 LBNF SPAC mtg in am, exec cmte discussion re ORM contract<br>5/19/21 LBNF SPAC closeout                                    | 150.00          |
| 06/11/21    | Dykhouse, Dana J.   | 6/8/21 - Participated in Audit Committee Meeting<br>6/11/21 SURF Foundation Board Meeting  | 150.00          |
| 06/11/21    | Lebrun, Patricia O. | 6/8/21 - Participated in Audit Committee Meeting   | 75.00           |
| 06/11/21    | Peterson, Casey C.  | 6/11/21 SURF Foundation Board Meeting  | 75.00           |
|             |                     |  | <b>4,725.00</b> |

**Ani Aprahamian**

|                         |                 |   |                 |
|-------------------------|-----------------|---|-----------------|
| 12/11/20                | Aprahamian, Ani | 12/4/20 SDSTA Telephonic Special Board Mtg              | 75.00           |
| 12/25/20                | Aprahamian, Ani | 12/17/20 SDSTA Quarterly Board Mtg                      | 75.00           |
| 02/05/21                | Aprahamian, Ani | 1/25/21 SDSTA Board Telephonic Special Mtg              | 75.00           |
| 04/02/21                | Aprahamian, Ani | 3/25/21 SDSTA Quarterly Board meeting; joined via zoom. | 75.00           |
| <b>Aprahamian Total</b> |                 |   | <b>\$300.00</b> |

**DANA DYKHOUSE**

|                       |                   |   |                 |
|-----------------------|-------------------|---|-----------------|
| 09/18/20              | Dykhouse, Dana J. | 9/8 Audit Committee Mtg; 9/17 Quarterly SDSTA Board Meeting                               | 150.00          |
| 11/13/20              | Dykhouse, Dana J. | 11/9/20 Audit Committee Meeting   | 75.00           |
| 12/11/20              | Dykhouse, Dana J. | 12/4/20 SDSTA Telephonic Special Board Mtg  | 75.00           |
| 12/25/20              | Dykhouse, Dana J. | 12/17/20 SDSTA Quarterly Board Mtg  | 75.00           |
| 04/02/21              | Dykhouse, Dana J. | 3/25/21 SDSTA Quarterly Board meeting; onsite and via zoom.                               | 75.00           |
| 05/28/21              | Dykhouse, Dana J. | 5/20/21 Met as nominating committee to discuss election of officers                       | 75.00           |
| 06/11/21              | Dykhouse, Dana J. | 6/8/21 - Participated in Audit Committee Meeting<br>6/11/21 SURF Foundation Board Meeting | 150.00          |
| <b>Dykhouse Total</b> |                   |   | <b>\$675.00</b> |

**PAT LEBRUN**

|                     |                     |   |                 |
|---------------------|---------------------|---|-----------------|
| 07/24/20            | Lebrun, Patricia O. | 7/24/20 SDSTA BoD Telephonic Special Mtg                    | 75.00           |
| 09/18/20            | Lebrun, Patricia O. | 9/8 Audit Committee Mtg; 9/17 Quarterly SDSTA Board Meeting | 150.00          |
| 11/13/20            | Lebrun, Patricia O. | 11/9/20 Audit Committee Meeting                             | 75.00           |
| 12/11/20            | Lebrun, Patricia O. | 12/4/20 SDSTA Telephonic Special Board Mtg                  | 75.00           |
| 12/25/20            | Lebrun, Patricia O. | 12/17/20 SDSTA Quarterly Board Mtg                          | 75.00           |
| 02/05/21            | Lebrun, Patricia O. | 1/25/21 SDSTA Board Telephonic Special Mtg                  | 75.00           |
| 04/02/21            | Lebrun, Patricia O. | 3/25/21 SDSTA Quarterly Board meeting; onsite.              | 75.00           |
| 06/11/21            | Lebrun, Patricia O. | 6/8/21 - Participated in Audit Committee Meeting            | 75.00           |
| <b>Lebrun Total</b> |                     |   | <b>\$675.00</b> |

**CASEY PETERSON**

|          |                    |   |        |
|----------|--------------------|---|--------|
| 07/10/20 | Peterson, Casey C. | 7/10/20 SDSTA Leadership Succession discussion and a couple teleconferences regarding Dakota Territory in payroll period              | 150.00 |
| 07/24/20 | Peterson, Casey C. | 7/17/20 & 7/22/20 teleconferences with Dakota Territory Resource Outreach Group Exec Team<br>7/24/20 SDSTA BoD Telephonic Special Mtg | 225.00 |
| 08/07/20 | Peterson, Casey C. | 7/30 Ethnobotanical Garden/sacred circle discussion with SURF Fdn<br>8/4 EOS discussion with SDSTA Exec Mgmt                          | 150.00 |
| 08/21/20 | Peterson, Casey C. | 8/12 Dakota Territory Resource Group discussion on mining proposal  | 75.00  |
| 09/04/20 | Peterson, Casey C. | 8/29 D Sanford PR discussion with Mike H  | 75.00  |

SDSTA Board of Directors  
FY2021 Per Diems

**PER DIEM PAYMENTS MADE TO BOARD MEMBERS IN FY 2021**

| <u>Date</u> | <u>Name</u>        | <u>Purpose</u>   | <u>Amount</u> |
|-------------|--------------------|--|---------------|
| 09/18/20    | Peterson, Casey C. | 9/17 Quarterly SDSTA Board Meeting   | 75.00         |
| 10/02/20    | Peterson, Casey C. | 10/2/20 Conference call regarding SSAC presentation  | 75.00         |
| 10/16/20    | Peterson, Casey C. | 10/5/20 Dakota Territory RC discussion with Tim and Exec Cmte  | 75.00         |
| 11/13/20    | Peterson, Casey C. | 11/3/20, 11/5/20 SPAC (Strategic Planning Advisory Committee)/LBNF virtual meeting<br>11/9/20 SDSTA discussion with Spearfish Downtown Business Assoc regarding naming event (Trail of Treats) | 225.00        |
| 12/11/20    | Peterson, Casey C. | 12/4/20 SDSTA Telephonic Special Board Mtg<br>12/9/20 Review and signing of Agreements<br>12/10/20 Andersen Economic Group mtg to review study of econ impact of SDSTA                         | 225.00        |
| 12/25/20    | Peterson, Casey C. | 12/14-12/15/20 Andersen Economic Group mtg<br>12/17/20 SDSTA Quarterly Board Mtg   | 225.00        |
| 01/08/21    | Peterson, Casey C. | 1/4/21 Meet with SD Mines and Mike H regarding SURF Institute  | 75.00         |
| 02/05/21    | Peterson, Casey C. | 1/25/21 SDSTA Board Telephonic Special Mtg<br>2/2/21 Misc phone calls with Mike regarding SDSTA personnel  | 75.00         |
| 02/19/21    | Peterson, Casey C. | 2/12 SLAC xenon issue and review of letter   | 75.00         |
| 03/19/21    | Peterson, Casey C. | 3/17/21 LBNF/DUNE Strategic Planning Advisory Committee (SPAC) mtg<br>3/19/21 SPAC follow-up mtg   | 150.00        |
| 04/02/21    | Peterson, Casey C. | 3/22/21 Discussions on insurance and personnel matters with TME and Mike<br>3/25/21 SDSTA Quarterly Board meeting; onsite.<br>3/30/21 Follow up discussion on insurance and personnel matters. | 225.00        |
| 04/30/21    | Peterson, Casey C. | 4/19-4/30 Misc phone calls with Anderson Economic Group and Chris Fall.  | 75.00         |
| 05/14/21    | Peterson, Casey C. | 5/1/21 call with Mike, Roger and Ron regarding requests for xenon usage post LZ<br>5/7/21 call with Mike on board and legal issues   | 150.00        |
| 05/28/21    | Peterson, Casey C. | 5/18/21 LBNF SPAC mtg in am, exec cmte discussion re ORM contract<br>5/19/21 LBNF SPAC closeout  | 150.00        |
| 06/11/21    | Peterson, Casey C. | 6/11/21 SURF Foundation Board Meeting  | 75.00         |

**Peterson Total      \$2,625.00**

**Robert Wilson**

|          |                   |   |       |
|----------|-------------------|---|-------|
| 07/24/20 | Wilson, Robert J. | 7/24/20 SDSTA BoD Telephonic Special Mtg                | 75.00 |
| 09/18/20 | Wilson, Robert J. | 9/17 Quarterly SDSTA Board Meeting                      | 75.00 |
| 12/11/20 | Wilson, Robert J. | 12/4/20 SDSTA Telephonic Special Board Mtg              | 75.00 |
| 12/25/20 | Wilson, Robert J. | 12/17/20 SDSTA Quarterly Board Mtg                      | 75.00 |
| 02/05/21 | Wilson, Robert J. | 1/25/21 SDSTA Board Telephonic Special Mtg              | 75.00 |
| 04/02/21 | Wilson, Robert J. | 3/25/21 SDSTA Quarterly Board meeting; joined via zoom. | 75.00 |

**Wilson Total      \$450.00**

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**Executive Director's Report—Mr. Mike Headley**

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The Executive Director's Report includes the following:

- 9A. Declaration of surplus (7)—informational, attached.
- 9B. SDSTA quarterly update—Mr. Mike Headley, presentation.
- 9C. LBNF update—Fermilab Far Site Conventional Facilities Project Manager Mike Gemelli, presentation.

*See recommended motion below.*

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**Recommended Action:**

*Motion to accept the Executive Director's Report as presented.*

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## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns two stainless steel tanks, 10 feet in diameter and 6 feet deep. The tanks were used in the Ross and Yates Hoistrooms many years ago but are no longer used or needed. The Ross stainless steel tank will be surplus using the standard bid process. However, the Yates stainless steel tank will be sold for scrap metal as it is welded in place and will require cutting it into smaller pieces to disassemble.

Having no further use for this property, I hereby declare the two stainless steel tanks to be Surplus Property.

Dated at Lead, South Dakota this 8<sup>th</sup> day of July, 2021.



Mike Headley  
SDSTA Executive Director

## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns a Carol Stream diesel 16cfm compressor (Asset No.: CO-RSU01-01). The compressor was used in the Ross Building but has been out of service since 2017 due to leaks. It is unsafe to operate—it will be scrapped.

Having no further use for this property, I hereby declare the Carol Stream compressor to be Surplus Property.

Dated at Lead, South Dakota this 9<sup>th</sup> day of July, 2021.



Mike Headley  
SDSTA Executive Director



## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns an old digital scale (Asset No.: SC-TMB09-01). The digital scale was taken out of service in early 2021 as it needs a new display and wiring harness for the battery. It will not pass certification and will be scrapped. A new digital scale has been procured.

Having no further use for this property, I hereby declare the digital scale to be Surplus Property.

Dated at Lead, South Dakota this 9<sup>th</sup> day of July, 2021.



Mike Headley  
SDSTA Executive Director

## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns a Boxer walk behind loader (Asset No.: SD-XXB99-06, Serial No.: 2683). The Boxer loader has had several service repairs including a rebuild of the track assemblies and replacement of only one of the wheel's motor haudaulic pump, which has caused one track to move faster than the other. The battery is also dead. The loader was taken out of service in 2019 and work has been standardized using the Bobcat MT85 walk-behind. The loader will be surplusd using the standard bid process.

Having no further use for this property, I hereby declare the Boxer walkbehind loader to be Surplus Property.

Dated at Lead, South Dakota this 19<sup>th</sup> day of July, 2021.



Mike Headley  
SDSTA Executive Director

## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns a State Industries hot water heater (Model No.: SDV100260NEHW, Serial No.: A01407668). The hot water heater was installed in the Administration Building prior to 2006 and has recently been replaced with a new unit. The legacy hot water heater is no longer operable and has no value—it will be scrapped.

Having no further use for this property, I hereby declare the State Industries water heater to be Surplus Property.

Dated at Lead, South Dakota this 4<sup>th</sup> day of August, 2021.



Mike Headley  
SDSTA Executive Director

## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns a 1993 Dodge W250 utility truck (Asset No.: VH-XXS99) purchased in 2010 for \$3,950. The truck has 70,650 miles and has several issues to include: the steering drifts slightly, the brakes make noise and an oil leak at transmission. The truck has been taken out of service and will be replaced. It will be surplus using the standard bid process.

Having no further use for this property, I hereby declare the 1993 Dodge truck to be Surplus Property.

Dated at Lead, South Dakota this 5<sup>th</sup> day of August, 2021.



Mike Headley  
SDSTA Executive Director

## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) owns two hot water heaters (Asset Nos.: WH-YSS02-01 and WH-YSS02-02). The hot water heaters were used in the Yates Hoistroom but have recently been replaced with new units. The legacy hot water heaters are currently being stored in the Yates Headframe and have no value—they will be scrapped.

Having no further use for this property, I hereby declare the two hot water heaters to be Surplus Property.

Dated at Lead, South Dakota this 6<sup>th</sup> day of August, 2021.



Mike Headley  
SDSTA Executive Director

## DECLARATION OF SURPLUS PROPERTY

The South Dakota Science and Technology Authority (SDSTA) purchased a JD Model BA72 broom attachment in 2010. The broom bristles are in poor shape, the brush cover is damaged and the control wiring harness requires replacement. The broom attachment is no longer being used and will be surplus using the standard bid process.

Having no further use for this property, I hereby declare the broom attachment to be Surplus Property.

Dated at Lead, South Dakota this 15<sup>th</sup> day of September, 2021.



Mike Headley  
SDSTA Executive Director

**June 2021 – August 2021 Progress Report**  
*Submitted September 15, 2021*

*Submitted to:*  
*South Dakota Science and Technology Authority Board of Directors*

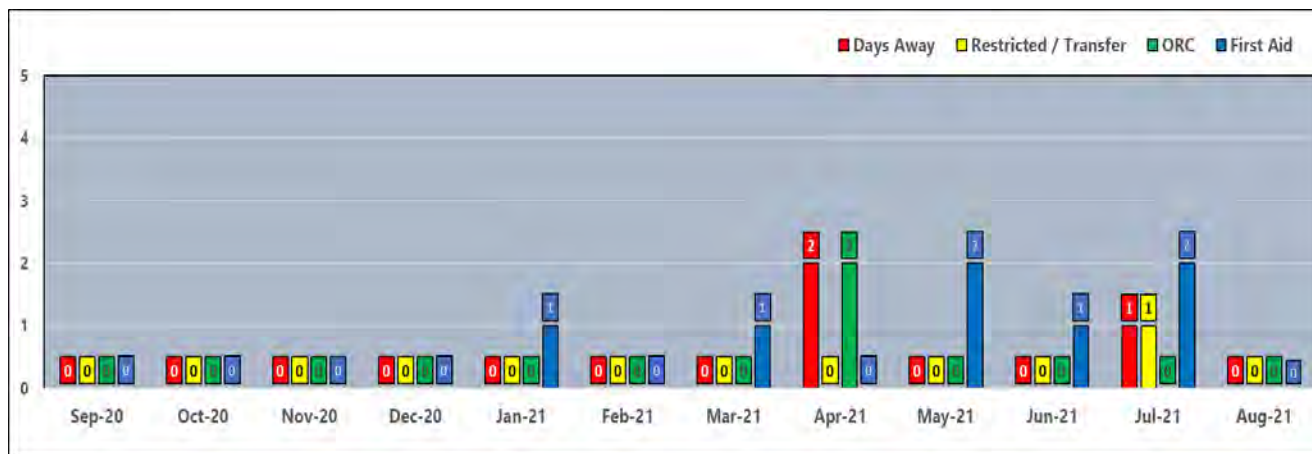
*Mike Headley*  
*SDSTA Executive Director*  
*Sanford Underground Research Facility Laboratory Director*





## Environment, Safety and Health (ESH) Status

### Health and Safety Status



#### *Other Recordable Cases (ORC)*

#### **June thru August 2021: Days Away Restricted Transfers (DARTs)**

- 7/13: SDSTA – Restricted/Transfer ~ Fingers caught-in-between; medical evaluation conducted by onsite Occupational Health Nurse and at local medical clinic. Stitches and prescription medication prescribed by physician.
- 7/20: SDSTA – Days Away ~ Back strain and injury while lifting from same level; medical evaluation conducted by onsite Occupational Health Nurse and at local medical clinic. Prescription medication prescribed by physician.

#### **June thru August 2021: First Aid Cases**

- 6/8: SDSTA ~ Laceration to forearm; bandaid applied.
- 6/9: Researcher ~ Skin irritation; flushed area with water.
- 7/5: SDSTA ~ Minor cut to arm; bandaid applied.
- 7/7: SDSTA ~ Strain to back; over-the-counter medication taken on own regard.
- 8/30: Researcher ~ Scratch to hand; bandaid applied.

#### **June thru August 2021: Category 1 or 2 Events**

- No events to report.

#### **June thru August 2021: Category 3 Events**

- 7/13: SDSTA - RT ~ Fingers caught-in-between; medical evaluation conducted by onsite Occupational Health Nurse and at local medical clinic. Stitches and prescription medication prescribed by physician.
- 7/20: SDSTA – DA ~ Back strain and injury while lifting from same level; medical evaluation conducted by onsite Occupational Health Nurse and at local medical clinic. Prescription medication prescribed by physician.

#### **ESH Support**

- Derek Lucero, former Engineering Technical Associate, started as a Training Specialist in August.
- Amelia Pearson, former lab receptionist, has been promoted to Administrative Assistant and will provide support to ESH beginning September 4.
- Juan Molina, former Infrastructure Technician will start as a new Training Specialist in September.

#### **Work Accomplishments**

- ESH Chapter Updates:
  - Fall Protection and Prevention Chapter – Approved by Change Configuration Board (CCB)
  - Ventilation Chapter – Pending CCB approval
  - Emergency Management Plan Chapter – In Review
  - Incident Reporting and Investigation Chapter – In Review
  - Management of Change Chapter – In Review

- Human Performance Improvement Reports:
  - Yates Shaft Deterioration
  - Finger caught-in-between incident
- Provided safety talks to field crews on recent incidents.
- Developed leading indicators list for onsite incidents.
- Continued planning for third quarter underground emergency evacuation drill.
- Conducted Emergency Response Team (ERT) and Hoist Operator annual physicals.
- Conducted Guide Train the Trainer training for Caterpillar and Thyssen Mining Inc. (TMI).
- Prepared and distributed information for June National Safety Month.
- Conducted ERT and Industrial Hygiene online presentations for Neutrino Day.
- Distributed underground zone access guidelines for personnel.
- Assisted Ross Infrastructure Technicians in the development of the Hazard Analysis and Critical Lift Plan on the bearing change on the sheave wheel.
- Coordinated efforts for the repairs of the 5000L Refuge Chamber.
- Participated in safety audit walk throughs of LBNF/DUNE leased spaces on 4850L:
  - Housekeeping
  - Egress maps
  - Communication updates
  - Brass In/Brass Out procedures

### **Upcoming Activities/Trainings**

- Fall Protection Training (September)
- ERT Rope Rescue Training/Certification (October)
- Environmental, Safety and Health Advisory Committee (ESHAC) Review (September 29-October 1)
- Third quarter underground emergency evacuation drill

### **Wellness Initiatives**

- Annual onsite Blood Drive ~ 27 units were collected which exceeded the goal. (July)
- Hydration Initiative ~ Fruit in your water Fridays (August)
- Breast Cancer Awareness Initiative (October)

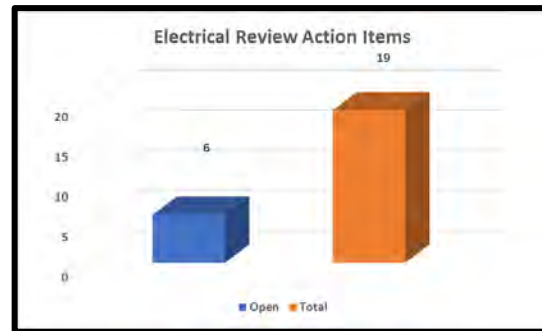
### **Environmental Support**

- Submitted request to SD Department of Agriculture and Natural Resources (DANR) for By-Pass of Polishing Filter System at Wastewater Treatment Plant Underground (WWTPU) under SD National Pollution Discharge Elimination System (NPDES) Permit during Gravity Flow upgrade; By-Pass approval received August 24, 2021.
- Mid Dakota Vegetation conducted noxious weed abatement spraying SURF-wide.
- Horsley Specialties, Inc. conducted asbestos abatement activities associated with the Ross Trestle.
- GEI Consultants completed annual aquatic biological monitoring on Whitewood Creek and Gold Run Creek
- Veolia Technical Solutions completed waste material shipment and disposal activities associated for materials generated at SURF.
- Pacific Steel and Recycling of Rapid City removed 1,050 lbs. of cardboard, 300 lbs. of white paper and 300 lbs. of brown paper for recycling SURF-wide in June.
- SURF delivered 400 lbs. of plastics and aluminum for recycling to the City of Rapid City's Solid Waste Division recycling facilities in July.
- Staff completed training in Section 106 Essentials for course through the Advisory Council on Historic Preservation.
- Staff attended 2021 Chemical and Industry Safety & Compliance Workshop hosted by SD DANR with speakers from DANR, United States Environmental Protection Agency (EPA), Occupational Safety and Health Administration (OSHA) and the Department of Homeland Security (DHS).

## Third Party Review Recommendations Status



(\*No ESHAC reviews conducted during 2020)



## Surface and Underground Operations Status

### Yates Shaft

#### Work Accomplishments

- A total of 1,674 loads were handled through the shaft year to date. This quarter included: 400 bags of shotcrete, 6 CAT UTVs, 56 barrels of liquid scintillator and seven packs of xenon (Xe).
- Top Down Maintenance (TDM) activities resumed in the cage compartment with 42 sets remaining to reach the 4850L.
- A detailed plan and schedule were completed for TDM in the northeast utility compartment
- New fiber line was installed at the 800L.

#### Upcoming Activities

- Complete fiber installation in the Yates Shaft to the 4850L.
- Finalize engineering design of the work platforms for TDM.
- Identify and order tools for TDM to be used in the northeast utility compartment.

### Ross Shaft

#### Work Accomplishments

- The new Ross cage and skips were commissioned.
- New limit switches were installed in the headframe and at the skip loader.
- Headframe guides and brattice were installed.
- Tiley accelerometer testing was completed in both cage and skip compartments.
- Slack rope damaged south skip rope – bad spot cut out and new smelter socket installed.
- TMI test blast.

#### Upcoming Activities

- Complete Tiley punch list items in the Ross Shaft.
- Support hoist and shaft production.
- Transport KJAV and TMI for equipment mobilization.
- TMI breakthrough of pilot hole on the 4850L – reaming of raisebore full diameter.

### Hoist Maintenance

#### Work Accomplishments

- The bi-annual non-destructive testing (NDT) hoist rope inspections were completed on all hoists; there were no issues.
- Ross rope was cut to balance skipping system.
- Fiber was changed out to #5 Shaft and tailings dam.
- Damaged fiber lines were replaced at the 300L portal feeding the Oro Hondo fan; communication is back online.
- Annual preventive maintenance (PM) on the surface and underground generators were completed.

- Yates west ore hoist motor generator (MG) set was removed and is being sent for cleaning and repairs.

#### Upcoming Activities

- Replace Yates MG set on west ore hoist.
- Install Oro Hondo fan encoder.
- Perform preventive maintenance activities—ongoing.

### Underground Hazard Mitigation

#### Work Accomplishments

- Crews continued access through the Ross Shaft for Phase #2 of the Water Wall Infrastructure improvement Project. Five walls were completed.
- Removal of legacy pipe on the 1550L was completed.
- Ground support installation was completed in the 1700L Ellison drift.
- Four ventilation walls were installed in the 1700L ventilation circuit.
- Support continued for the SIGMA-V core drilling project along with installation of ground support on the 4100L.

#### Upcoming Activities

- Continue Phase #2 of the Water Wall Infrastructure Improvement Project.
- Continue ground support installation in the 1700L transportation corridor.
- Demobilize the core driller for the SIGMA-V project on the 4100L.
- Continue advancing the SIGMA-V project on the 4100L.

### Surface Operations and Utilities Support

#### Davis and Ross Campus

#### Work Accomplishments

- Quarterly air handling equipment and fire alarm preventive maintenance activities continued with vendors.
- Oxygen monitors in the Davis Campus have been calibrated and some replaced to ensure any low oxygen events are detected and alarm notifications are sounded.
- Chiller #3 and the dehumidification equipment upgrades were completed.

#### Upcoming Activities

- Continue support of increased LZ outfitting.
- Assist with SIGMA-V drilling activities on the 4100L and begin outfitting.

### Surface Facilities/Buildings and Grounds

#### Work Accomplishments

- The SDSTA completed all seven (7) day, thirty (30) day, and annual (360) day preventative maintenance activities. Boart drill and jackleg repairs continue.
- In support of SURF recycling efforts, 1,800 pounds of spent batteries were gathered and 19 gaylords of material were shipped off site. An additional 21 gaylords were filled with recycle material.
- The Rounds Operations Center (ROC) and formerly known as the Maintenance Support Facility construction is complete. Engineering, Surface Operations, and warehouse support staff have relocated to the new building.
- Support of the upgrades to the Ross Hoists continued.
- The Yates Cage Hoist MG refurbish project was completed.
- Storm water discharge areas throughout the site were inspected and repaired.
- To date 2,176 items have been added as “assets” to the asset management system (ManagerPlus).
- A new shaft compressor unit was installed on the North side of the Ross Headframe for redundancy to the air supply in the shaft and various levels.

#### Upcoming Activities

- Perform preventive maintenance activities—ongoing.
- Assist with logistics associated with sitewide security upgrades.
- Prepare for winter operations.

- Continue with weekly training for employees sitewide on the asset management system.

## **Dewatering**

### Work Accomplishments

- Performed preventative maintenance on pumps and pumping apparatus.
- Completed installation of the air lines to three new refuge chambers on the 1250L, 2450L and 5000L; monitoring continues.
- Continued to work with ERT to add a purge two-inch airline to the 4850 Refuge Chamber anti-chamber.

### Upcoming Activities

- Work with the Engineering Team on the 3650L Pump Room and Pump Replacement Project.
- Schedule preventative maintenance.
- Complete installation of Yates sump pump vertical discharge line.
- Continue to assist FRA/KAJV/TMI with relocation and temporary installation of water and air lines.

## **Waste Water Treatment Plant (WWTP)**

### Work Accomplishments

- As of September 1, the water level in the underground pool was at 6,050 feet. This is the deepest the pool has ever been pumped down since the re-opening of the facility. Underground water infiltration maintains at approximately 220 gallons per minute (gpm). A large portion of the infiltration was captured on the 2000L and pumped to the surface thereby reducing the amount of water that normally would report to the deep underground pool.
- Modifications to the control system to allow specific functions to be operated from off-site advanced as planned—there were eight off hour call-outs for the quarter. The WWTP has not discharged any water to the sanitary sewer for over four years. The team continues to balance water sources to manage temperatures.
- Worked in cooperation with Barrick to plan for winter operations.
- The WWTP team fabricated and installed an additional filter to pre-clean the water collected from ground infiltration and backwash water from existing filters. This has exceeded expectations and this water is being recirculated into the WWTP with positive effects.

### Upcoming Activities

- Continue to monitor and sample the underground wastewater treatment plant located on the 4850L.
- Prepare for winter operations.
- Prepare for Gravity Inflow Project.
- Enhanced turbidity in the underground water has increased the number of backwashes in the Yardney filters to twice daily.

## **Transportation and Mobile Equipment**

### Work Accomplishments

- The team performed vehicle preventative maintenance actions and repairs to fleet vehicles.
- Underground locomotives, support equipment including air compressors, loaders and rail cars were maintained.
- Summer maintenance equipment was inspected.

### Upcoming Activities

- Continue repairs on the walk behind skid steers and two-yards loader located on the 4850L.
- Prepare snow removal equipment.
- Monitor the Ingersoll Rand air compressor at the Ross Headframe.

## **Electrical and Cyber Infrastructure**

### Work Accomplishments

- The team continues to review and modify the underground communications infrastructure to ensure each level has voice over IP (VoIP) and FEMCO (i.e. twisted pair) phones at each underground facility level.
- Continued camera replacements to the pump rooms and the WWTP.
- Continued to assist with the Oro Hondo variable frequency drive troubleshooting.

- Various preventative maintenance activities were performed.
- The team continued to work with KAJV to establish construction power on the 4850L near the Ross Station as well as other levels.
- Upgrades to the Yates 4100L and 1700L stations continued.

#### Upcoming Activities

- Replace and install additional fiber optic cable in the Ross and Yates Shafts on the 800L, 1700L and 4100L.
- Plan and develop temporary power for the Ross Headframe area to support air compressor upgrades.
- Set and achieve new milestones on the 1700L Rehabilitation Project.

### Engineering Support

#### Work Accomplishments

- Completed the Davis Campus Chiller #3 Replacement project on the 4850L. Replaced the chiller and air handler desiccant wheel which will improve performance/reliability of the dehumidification system at the Davis Campus.
- The findings from a Geographic Information Systems (GIS) Needs Assessment that was conducted at SURF were presented. A followup task order for developing the first SURF GIS web application was issued with the initial web application focused on surface features and surface utilities at the SURF.
- Awarded and kicked off the Yates Shaft Rehabilitation Feasibility Study. Stantec is the selected firm performing the study. A 30% design review is scheduled for mid-October 2021, and the final report is due in January 2022.
- Ross/Yates Hoist Room Building Roof Drains & Repointing design package was completed in July. A project package is being assembled for submittal to DOE for Technical review and subsequent approval.
- A SURF 4850L Laboratory Expansion Feasibility Assessment Request for Proposal (RPF) package was awarded to Stantec in June 2021. The architecture/engineering A/E firm is currently reviewing SDSTA's 4850L laboratory expansion plans. The final report is scheduled to be released in late November 2021.
- Extensive laser scanning of the 1700L throughout the ramp loop and shops was completed in support of the Caterpillar project.
- The WWTP rotating biological contactor (RBC) replacement study project was kicked off with task order to TSP/Banner Engineering. The Project is working towards 65% submittal for SDSTA review.
- Yates Complex Waterline Replacement project bids were received, a contractor selected and contract awarded. Work is expected to kick off in September with completion in January 2022.
- The installation and final commissioning of a new Ross Headframe Compressor was completed, replacing a legacy Homestake compressor that had been experiencing service issues and extended outages—it had required the use of diesel truck/trailer mounted compressors that were expensive to run.
- The task order for the design of the 3650L Pump Room Rehabilitation was awarded and the 30% design received. The project is the first in a series to rehabilitate all pump rooms in the dewatering system.
- The final punchlist and outfitting shops, office spaces and warehouse was completed for the ROC.
- The WWTP Gravity Flow Upgrades project design was completed, advertised and awarded. This project installs new gravity fed piping to eliminate pumping systems and improve reliability.

### Quality Assurance / Quality Control

#### Work Accomplishments

- Developed the following documents:
  - Integrated Management Systems Manual (IMS Manual).
  - Context of the Organization Log (COTO Log).
  - Environmental Aspects and Impacts Log.
  - Register for Compliance Obligations.
  - Tentative nonconformance and corrective action tracking mechanism.
- Resolved Work Type" identification in Manager Plus for items requiring preventative maintenance and items requiring inspection.
- Revised the process for Document Change Control for the approval of controlled documents in accordance with International Organization for Standardization (ISO) requirements.
- Supporting ISO certification documentation is 75% complete.

## Upcoming Activities

- Continue to prepare supporting ISO certification documentation for Stage One ISO Audit (May 4-5, 2022).
- Complete QA/QC Reports for the Headframe Security Project and Chiller #3 Upgrade.
- Provide ongoing support for the Yates Waterline Project and Phase II of the Waterwall project.
- Introduce the new Document Change Control Standard to SDSTA employees (CCR/CCB Process).

## Science Support Status

- Science Director Dr. Jaret Heise provided a SURF update during the XVII International Conference on Topics in Astroparticle and Underground Physics (TAUP2021), held virtually (was Valencia, Spain) Aug 26 - Sep 3. Materials are available at <https://indico.ific.uv.es/event/6178/contributions/15933/>.
- The SURF User Association charter to broaden membership was ratified by the user membership and formalized by SURF. Planning continues for two events being organized by the SURF User Association Executive Committee: the Long-Term Vision Workshop Sep 14-15 (<https://indico.sanfordlab.org/event/26/overview>) and the Annual General Users meeting Sep 28-29 (<https://indico.sanfordlab.org/event/27/>). The Long-Term Vision Workshop includes 18 multi-disciplinary experts to inform future science and corresponding facility needs. The Annual General Users meeting will involve updates from current experiments plus SURF updates in key areas.
- Membership for the SURF Science Program Advisory Committee is nearly complete (13 of 14 individuals).
- A new Laboratory Custodian started in June (one of the previous custodians was promoted within Operations).
- Facility highlights: The new Davis Campus dehumidifier chiller installation (including insulation and an extension of the exhaust ductwork) was completed in August. Issues with one of the compressors continue.
- Interruptions: Since late June, all underground access has been via the Ross Shaft due to damage discovered in the Yates Shaft. In order to minimize interruptions to ongoing LBNF construction, SDSTA and science groups traveling to the 4850L have been working a shift schedule since Jul 27 that invokes the SURF fatigue management policy (~14 hours/shift). Sheave repairs in the Ross headframe resulted in no underground access for two days in early August. Davis Campus radon levels have been approximately 3x higher since early June due to redirecting ventilation for LBNF excavation; there have been no significant issues with experiment groups.

## LUX-ZEPLIN—LZ

- Filling of the outer detector was completed in early July (both ultrapure water and gadolinium-loaded liquid scintillator), including leveraging day and night shifts. Gamma and neutron calibration sources are being used on a regular basis to collect outer detector data. The nitrogen purge gas flow rate inside the water tank has been tuned, and an electrical noise source has been identified (sump pump drives) and a solution is in progress.
- By late August, 100% of the xenon purified at SLAC had arrived at SURF and had been successfully transported underground (approximately 100 kg of the dirtiest xenon is being processed at SLAC and is not required to fill the detector).
- SURF issued authorization for xenon condensing, which included a plan for testing for xenon recovery and emergency backup systems at ~1-tonne and ~3-tonne milestones. Xenon condensing started July 9, all tests were completed successfully, and by early September over 75% of the xenon had been condensed.
- There have been improvements to data acquisition performance and stability following firmware upgrades in July. SDSTTA personnel are working to restore (redundant) network fiber connections in the Ross Shaft.
- 104 members of LZ + XENON/DARWIN collaborations signed a Memorandum of Understanding (MOU) regarding the next generation xenon detector. Detectors with xenon target masses on the order of 40-100 tonnes are being discussed.

## MAJORANA DEMONSTRATOR—MJD

- Data collection continues using one module with natural germanium detectors inside the main shield, which is important to understand any backgrounds that may have been associated with the (now removed) second module. Studies in this configuration are expected to continue through 2021. In addition, some components from the unused module were removed for assay, which will further inform the background model.
- Los Alamos National Laboratory (LANL) funding was awarded for Tantalum-180m decay search using DEMONSTRATOR infrastructure. The proposed timeline includes installation in spring 2022, with data taking ending in 2023.
- Copper electroforming continues using three baths at the Davis Campus, including new rounds this quarter. Regular electrolyte regeneration maintenance and shipment of ultra-pure acids continue. Despite challenging

underground access, it is hoped that machining will resume in September (there has been no copper machining since late March). Copper electrowinning from spent electrolyte continues at the surface WWTP as needed.

- Preparations are underway to remove a portion of lead (Pb) and polyethylene shielding from surface storage for offsite use. Extra power supplies previously employed at the Ross Campus have been moved to offsite storage.
- The Oak Ridge National Laboratory (ORNL) Physics Division Director traveled to SURF to observe underground operations and for discussions with SDSTA and SURF personnel (topics included advocacy for a diverse science program at SURF).
- The North American/European summit on tonne-scale neutrinoless double-beta decay experiments is scheduled September 29 – October 1 at Gran Sasso; SURF will participate remotely.

## **Low-Background Counting**

Black Hills State University Underground Campus—BHUC:

- Samples continue to arrive for counting (including materials for the LEGEND and DUNE experiments).
- All Lawrence Berkeley National Laboratory (LBNL)-managed low-background detectors counting production samples are now performing as good or better than when they were at the Ross Campus. The shield for one of those counters was rebuilt and the copper plates defining the sample volume were better aligned, which improved backgrounds. For the LBNF dual-crystal system, additional integration work is still needed.
- Vendor work continues with the Ge-IV detector, including improvements to the super-insulation (infrared) shielding. The latest estimate has the system returning to SURF in late September.
- The repair for the second Lawrence Livermore National Laboratory (LLNL) detector is complete and is expected to ship from France soon (by sea to reduce cosmic ray activation); the LLNL crew is planning a trip to SURF in late October or early November.

## **SIGMA-V**

- Drilling of all nine drill holes at the new 4100L location are complete.
- LBNL collaborators were onsite in July to perform geophysical logging, but activities were suspended due to drilling delays (and associated equipment rental costs). The earliest logging will resume is late September.
- Hydraulic characterization (amount of rock fracturing and hole interconnectedness) was completed.
- SDSTA personnel completed preparations for a new concrete pad, and the pour started in early September. Installation of an overhead trolley was completed by SDSTA personnel for conveying experiment instruments into various drill holes.
- Planning for monitoring system assembly and installation includes coordination of a significant amount of equipment expected to arrive at SURF in the coming months.
- Details of initial experiment monitoring activities are being developed for review by SURF.

## **Compact Accelerator System for Performing Astrophysical Research—CASPAR**

- Aside from occasional inspections of the accelerator hardware that remain in the 4850L laboratory space, there has been no onsite activity by the collaboration.
- Monthly calls continue to provide updates on future site characterization plans and scientific publications (a paper on the HECTOR NaI array has been submitted to Nuclear Instruments and Methods in Physics Research).

## **Other Current Research Activities**

### **Physics**

- TESSERACT (low-mass dark matter): Technical discussions held in August included SDSTA representatives from Operations and Engineering. The collaboration reported that DOE reviewers have endorsed SURF as the best site for the project; the group is also hoping to leverage SURF's low-background counting capabilities (BHUC). The schedule still suggests FY25 with a total project cost of ~\$9M.

### **Biology**

- Biodiversity and Chemistry: BHSU REU students collected samples from 4850L and 800L locations.
- BUG ReMeDEE: Samples were obtained from the 300L (the trip was modified due to Yates Shaft access issues).
- Carbon Sequestration: Drill core samples were obtained from the deepest sections of two SIGMA-V 4100L drill holes for studies of microbes that mineralize carbon as carbonate.



## Geology

- Dakota Territory Resource Corporation: Following a kickoff in June, small teams of geologists have been onsite to view core at the surface Core Archive (SURF support and access fees apply for this proprietary group).

## Engineering

- Thermal Breakout: Drilling started on three 6-inch diameter holes (18 m deep), using same driller as SIGMA-V in a nearby 4100L area. Reaming to the large diameter is over 70% complete on the first vertical hole.
- Other: Discussions continue with members of the Distributed Acoustic Sensing (DAS) group regarding a 3D optical-fiber system proposed for seismic monitoring (the 1700L ramp system is the most practical location). There was also interest from a group with NIOSH funding to develop an unmanned aerial vehicle for underground emergency response applications.

## Quarterly Work Plan Variances

- The Quarter (June–August) shows an overall overrun of \$562k.
- Labor for the three months shows an overrun of \$152k. This overrun was due to June being a three payroll month.
- Nonlabor for the three months shows an overrun of \$410k. This overrun was due to the arrival of two large pieces of equipment from the FY21 Equipment Plan (budgeted in previous months) and projects completed on the FY21 Underrun Spend Plan. Included are purchases of supplies for the Yates Shaft Utility top down maintenance project.

## Financial Status

Included in the Financial Report are the following:

- Cooperative Agreement SURF Services FY2021 (federal fiscal year) SPA Curve as of August 2021 (included as Appendix A at the end of the report)
- Financial Summary (included as Appendix B at the end of the report)
  - 1) Balance Sheet as of August 2021
  - 2) Comprehensive Statement of Income August 2021
  - 3) Comparative Balance Sheet – August 2021 vs. August 2020
  - 4) Comparative Statement of Income – August 2021 vs. August 2020
  - 5) Available Resources as of August 2021
  - 6) Operating Budget Summary

## **Cooperative Agreement (CA) SURF Services FY2021 Scheduled Performed Actual (SPA) Curve**

- The SPA curve presented in Appendix B provides a summary of the CA-SURF Services Award No. DE-SC0020216 scheduled financial performance compared to the actual costs. The report shows funding through September 2021 along with information related to Funded-to-Date dollars, Scheduled dollars, Performed dollars and Actual dollars by month. Actual dollars represent actual invoices for the months sent to the DOE Office of Science for reimbursement. For August, the invoices totaled \$1,944,651 which is higher than the anticipated reimbursements of \$1,806,495 by \$138,156. Cumulative expenses are at \$41,518,357 which is lower than the budgeted \$42,710,013 by \$1,191,656. The year-to-date underrun is due in part to not hiring as planned and not purchasing supplies and fewer contractual items during the COVID-19 pandemic in summer and fall of FY2020. Yet, in the last few months we are on track as to our large projects, purchasing, and hiring as necessary.

## **Balance Sheet Items**

- Cash in Local Checking—Total on hand August 31, 2021 was \$4,269,629; down from last month by \$458,654. Funds on hand were necessary to pay employee medical/life/vision insurance due September 1. The balance also contains funds received from federal contracts late in the month on open accounts receivable.
- Cash with State Treasurer—Total balance of \$11,276,825. This balance has decreased from last month by \$50,041 as that amount was drawn down during August.
- Billed Accounts Receivable (A/R)—Billed A/R represents any open invoices based on contracts from sources such as the DOE Office of Science, LBNL, Fermilab, other smaller contracts from other universities/private entities, and Barrick-Homestake Mining Company. Total is at \$2,702,459; up from last month by \$647,574. Included in the balance are open invoices to LBNL at \$92,338; representing invoices for the LUX-ZEPLIN (LZ) experiment support contract and the SIGMA-V experiment support. Additional open invoices include \$538,960

from Fermilab primarily from the SURF Services subcontract and a contract for Ross Shaft Logistics Support. Furthermore, the open balance from the Cooperative Agreement is at \$2,010,682. Additionally, there are open invoices for \$9,670 from small university subcontracts, and \$50,809 from Barrick/Homestake, Dakota Territory Geology, and Thyssen Mining.

- Unbilled A/R—Balance at \$272,765. Unbilled A/R represents items that have not been billed on various contracts. August's balance has increased by \$13,743. The payroll from pay end date August 27, 2021 (paid on September 3, 2021) was not invoiced in August on various contracts. The amounts will be invoiced in September.
- Other A/R—Current balance of \$233,201. This balance represents any Interest Receivable and Miscellaneous Accounts Receivable. The balance increased by \$9,397. Activity for this month includes recording the interest accrual for August.
- Inventory/Supplies—Balance at \$3,280,073, for fixed assets being stored but not in service and the warehouse inventory purchased with federal funds. This balance has increased by \$24,812 for the purchase on federal funds of three Fisher valves as critical spares.
- Inventory Warehouse/Personal Protective Equipment (PPE)—Current balance of \$26,151. This balance represents the warehouse inventory that was purchased by SDSTA prior to federal funding. The balance has decreased by \$5 for inventory usage during the month.
- Other Current Assets—This listing on the balance sheet represents the balances of both prepaid insurance—\$570,237 and prepaid other—\$48,033. Total balance of \$618,270 is lower from last month by \$104,246. This decrease includes our monthly insurance expense along with the difference in various prepaid items in August.
- Fixed Assets—Current balance of \$83,939,829. Fixed assets activity since last month includes recording the receipt on the Cooperative Agreement of a Bobcat S76 skid steer for \$47,608. Increases also include the purchase of a floor scrubber for the recently completed ROC. The net decrease of \$139,590 since last month includes depreciation on Authority fixed assets. Depreciation for the DOE Property Transfer items is separated as this amount will not be included in our indirect cost recovery on contracts.
- Pension Deferred Outflows—This designation on our Balance Sheet reflects the requirements related to the Governmental Accounting Standards Board (GASB) No. 68 and No. 71 in reference to pensions. SDSTA is required to report the net pension asset or liability on the face of our financials along with related deferred inflows and outflows. The State's retirement system is now fully funded. The Net Pension Asset is a restricted asset. Thus, the equity created is also restricted. The balance Pension Deferred Outflows shown as a noncurrent asset is \$4,135,812 created by FY2021 final entries. The balance has increased from the previous year by \$1,139,997.
- Xenon Purchased—Balance of \$8,934,350 represents the value of xenon purchased for future use by experiments. The xenon inventory is considered a non-current asset and includes all the purchases through fiscal year 2020. We have received all the xenon shipments that were requested. Additionally, the processed xenon is being shipped in multiple shipments from Stanford University to SDSTA for use in the LZ experiment.
- Total Assets—Total of \$119,689,364. This balance has decreased from last month by \$57,010 which represents the net activity as listed above.
- Accounts Payable—Our Total Accounts Payable balance of \$1,220,420 at the end of the month compared to last month has increased by \$194,066. This is primarily due to an invoice for the captive insurance premium for six months at \$161,322.
- Accrued Payroll Liabilities—Current balance of \$1,851,312 has decreased slightly by \$96,282 from last month. This represents the net change between earned vacation and vacation taken and other changes in employee benefit-related liabilities. Also included is the accrued payroll from August 27 that was paid in September.
- Long Term Xenon Notes Payable—This designation represents \$2M of funding received from the South Dakota Community Foundation, \$2M received from the University of South Dakota Foundation, and \$2M received from the South Dakota State University Foundation. The \$6,000,000 balance was designated for purchasing xenon for experiment use at SURF. The balance is unchanged from last month.
- Pension Deferred Inflows—This classification reflects the requirements of GASB No. 68 and No. 71, as discussed earlier. The balance of \$1,851,312 represents our portion of the difference between projected and actual earnings on pension plan investments with the South Dakota Retirement System.
- Total Liabilities—Total Liabilities increased by \$97,784 (from \$12,441,846 to \$12,539,630), which reflects the net activity listed above.
- Total Equity—Decrease to \$107,149,733 from the previous month \$107,304,528.
- Total Liabilities & Equity—Decrease to \$119,689,364 from the previous month of \$119,746,374.

## Statement of Income Items

- On the SDSTA's Statement of Income, the DOE Subcontracts are consolidated into one line on the report. Included in this amount are various subcontracts from LBNL, Fermi National Accelerator Laboratory (FNAL), the Cooperative Agreement with the DOE Office of Science, as well as a small contract for the Majorana project with Oak Ridge National Laboratory. Total revenue through August is \$4,446,647 (increase from July of \$2,421,426).
- Interest income recorded for the current fiscal year on State Funds is at \$18,647. This represents interest accruing at 1% on the cash held by the state on behalf of the SDSTA.
- Direct Costs are then listed on the Statement of Income. The classifications for Unallowable Costs and Indirect Costs are listed as well on this report to follow the federal contracting format. Direct Costs/Unallowable Costs are at \$2,782,218 for the current fiscal year. Indirect Costs including fringe benefits are at \$2,294,105. Costs are higher than revenue by \$610,701.
- Other Income is at \$253,234 which primarily represents miscellaneous income received from Caterpillar Inc., Thyssen Mining and small amounts from Barrick.
- Miscellaneous Expenses and Donations is at \$(92,985) for current year fixed assets that were purchased on federal funds through the Cooperative Agreement.
- Net loss through August after Reclass Increase in Net Assets is at \$14,559.

## Comparative Balance Sheet

- Total in Local Checking is higher by \$1,085,489 due to receiving more funds from contracts in Accounts Receivable when comparing the two time frames. We are receiving our payments on the Cooperative Agreement on a much quicker basis than from our other contracts.
- Total Cash with State Treasurer is lower by \$4,325,154 from this time last year as we have used funds for the construction of the ROC along with using Experiment funds for xenon related expenses.
- Inventory-Supplies is higher by \$857,552 when comparing the two time frames, due to including equipment purchased on the Cooperative Agreement federal funds that has not been put in service. Also included is the Warehouse Inventory purchased on federal funds as well as various equipment associated with the Ross Cage and Work Deck were put in storage for possible future use.
- Fixed Assets are higher by \$3,617,923 when comparing the two time frames, particularly due to including the fixed assets purchased on the Cooperative Agreement federal funds. Also included is the cost for the ROC building that was completed in June 2021.
- Work in Process has decreased by \$1,200,889 when comparing the two time frames, as the work performed on building the ROC is complete.
- Pension Deferred Outflows is higher by \$1,139,997 due to fiscal year 2021 entries.
- In summary, Total Assets have increased by \$1,347,203.
- Total Current Liabilities are slightly lower by \$276,721 when comparing the two time frames. Total Accounts Payable is lower due to a decrease in activity on projects, particularly with the completion of the ROC.
- Other Liabilities - Pension Deferred Inflows have also increased for fiscal year 2021 entries – increase of \$2,201,313.
- Total Restricted Funds are lower due to the use of these funds for related expenses. Restricted: Foundation has been added to our Balance Sheet for funds transferred from the SURF Foundation.
- Unrestricted Funds are higher when comparing the two-time frames. Additionally, Investment in General Fixed Assets is higher than this same time last year.
- Total Equity has decreased by \$577,388 from this time last year.
- In summary, Total Liabilities & Equity have increased by \$1,347,203.

## Comparative Profit/Loss

- Total Revenue for year-to-date August 2021 compared to year-to-date August 2020 has decreased by \$76,780. This slight decrease is due in part to less activity on the LBNL subcontracts. Direct Costs and Indirect Costs for year-to-date August 2021 compared to this time last year show a slight combined increase of \$233,837 (a 4.8 percent increase). Net Income/Loss for the comparative time periods shows a slight decrease in income of \$171,028.

## Available Resources

- This report reflects our available cash/accounts receivable after noting the restricted cash balances in the Indemnification, Mine Closure, and Special Session Lab accounts, and funds held for Experiments—interest for investors. This report reflects our available cash and (short term) accounts receivable as compared to our current liabilities including accrued payroll liabilities. \$5,376,567 is available after noting our current obligations. It is also important to note that our accrued payroll liabilities include accrued vacation and sick pay. Therefore, the report reflects our available resources compared to current obligations.

## Operating Budget Analysis

- This report is separated into three sections: SDSTA-funded activities, Federal, State, and Commercial funded activities and Indirect expenses that benefit various activities. Total operating expenses are under budget for August by \$116,856.
- Year-to-date figures are under budget by \$651,152.
- With the finalization of the construction for the ROC, we have eliminated the capital expenditure budget all together going into FY2022. Therefore, all expenses related to interest payments to xenon foundation investors will be included in the SDSTA Operating Budget Analysis going forward. The current FY2022 budget includes these expenditures.

## Human Resources

There are currently 176 full time employees and 12 temporary staff. New hires for August include Laboratory Receptionist Amanda Berry and Operations Engineer Colton Clark. Former Laboratory Receptionist Amelia Pearson has been promoted to Administrative Assistant. Warehouse Specialist Susan Thompson resigned in early August. Former Mobile Equipment Mechanic Tim Havens has been selected as her replacement. Facilities Technician Sam Mollman will transition into the Mobile Equipment Mechanic position. Training Specialist Roger Hudson retired on September 1. Former Engineering Technician Derek Lucero has been selected as his replacement. Current positions being recruited include: Senior Contracts Specialist, Facilities Technician, Infrastructure Technician, and Security Guard.

## **Professional Staff Services - Subcontract No. 607915**

## **Long-Baseline Neutrino Facility (LBNF) and Deep Underground Neutrino Facility (DUNE)**

- Worked with FRA and Arup/TSP to develop a design, specifications and RFP scope of work for moving existing Ross Shaft air heater to the Yates Headframe and installing a new air heater at the Ross Headframe.
- Ross Substation Coordination Study: Work with FRA to review and finalize the electrical coordination study for the Ross substation. With the failure of SURF's 69kV switch, the "TIE" breaker was closed and all electrical load on the Ross side is now powered by LBNF's new transformer and switchgear.
- Finalize the list of required long term spare parts for the Ross Hoist after the Drives, Brakes and Clutches upgrades and place the order for 3<sup>rd</sup>/4<sup>th</sup> quarter delivery.

**LZ - Subcontract No. 7255146**  
**LZ Operations - Subcontract No. 7355146**

## Other Experiment Support

### LUX-ZEPLIN (LZ)

- The second and final shipment of liquid scintillator was received and the Outer Detector (Liquid Scintillator Vessels and Water Tank) was successfully filled. Ongoing water sampling is being conducted to identify any leakage of liquid scintillator into the water volume.
- Xenon recovery has been tested and verified in all scenarios, allowing for full 10T condensing. In August, the final phase of the xenon condensing Authorization To Proceed (ATP) was initiated. The final phase of the xenon condensing ATP allows for filling of the LZ Detector
- Five xenon packs were received onsite and transported underground. As of the end of August, all xenon packs are currently onsite and integrated in the xenon handling system.



## **Indirect Funded Activities Status**

## Contracts Status

### Department of Energy (DOE) subcontracts to SDSTA

U.S. Department of Energy, Office of Science

- SDSTA received Modification No. 12 from the DOE for *Yates Shaft Rehabilitation Feasibility Study* (Critical Maintenance Upgrade), Modification No. 13 for Incremental Funding, and Modification No. 14 for *Yates Industrial and Potable Water* (IIP).
- SDSTA submitted one budget modification to the DOE for *Oro Hondo Backup Fan* (IIP), and also a request for funding (IIP) for the *Waste Water Treatment Plant*.
- SDSTA submitted a Cooperative Agreement (CA) proposal to the DOE for LZ operations.

Fermi Research Alliance

- SDSTA received Supplemental Agreement (SA) No. 1 to extend Subcontract No. 658208 *Ross Hoist Bearing and Bushing Removal and Installation* through 1/1/22.

Oak Ridge National Laboratory

- No additional actions this period.

Lawrence Berkeley National Laboratory

- SDSTA received Modification No. 4 for Additional Funding for *LZ* Subcontract No. 752117.
- SDSTA received Modification No. 9 for the *SIGMA-V* Subcontract No. 7371823 extending the contract through 9/30/22.

### Summary of Contracts Awarded by SDSTA in June–August 2021:

| Contract No. | Contractor/Vendor            | Type    | Project  |
|--------------|------------------------------|---------|--|
| 2020-34      | Stantec                      | CO #1   | Feasibility study for 4850L Laboratory Expansion                     |
| 2020-28      | Babbit Bearing Resource      | CO #1   | Add additional scope to contract                                     |
| 2021-04      | RCS Construction             | New     | Industrial & Potable Water Lines Yates Complex                       |
| 2020-07      | Ferber Engineering           | TSK #2  | GIS Implementation   |
| 2020-37      | Borders States Industrial    | CO #1   | Additional warehouse and shop furnishings                            |
| 2021-16      | Sanders Sanitation           | New     | Garbage dumpster removal   |
| 2020-05      | West Plains Engineering      | TSK 4.1 | Rate sheet update to add Jason Fritch                                |
| 2019-29      | CVD Construction             | CO #41  | Remove and replace window E&O Building                               |
| 2019-31      | Wolff's Plumbing and Heating | CO #4   | Replace water heater for Admin & E/O buildings                       |
| 2019-20      | ATI Consulting               | CO #3   | ESHAC review   |
| 2019-29      | CVD Construction             | CO #42  | Add additional cost for labor and crane                              |
| 2020-29      | Bradley's                    | CO #1   | Freight charges  |
| 2019-26      | Horsley Specialties          | CO #4   | Additional inflation prices  |
| 2019-30      | Wolff's Plumbing and Heating | CO #5   | Add additional representative to contract                            |
| 2019-31      | Wolff's Plumbing and Heating | CO #5   | Add additional representative to contract                            |
| 2019-07      | Dean Kurtz                   | CO #29  | Add additional concrete work   |
| 2021-04      | RCS Construction             | CO #1   | Internal change order accepting contractor's insurance certification |
| 2020-22      | Mac Construction             | CO #3   | Additional card reader for Y170 door                                 |
| 2021-11      | Kinetic Safety               | CO #1   | Extend contract to 9.30.2021   |
| 2020-34      | Stantec                      | CO #2   | TDM Program  |
| 2019-28      | Jacobs Welding               | CO #4   | Trolley Beams & Platform for Yates Shaft                             |
| 2020-34      | Stantec                      | CO #2   | Additional support   |

| Contract No. | Contractor/Vendor                 | Type     | Project   |
|--------------|-----------------------------------|----------|---|
| 2016-25      | GEI Consulting                    | CO #4    | Continued scope of work to add funds ext contract 8.8.22  |
| 2020-12      | True Clean Carpet & Janitorial    | CO #2    | COVID cleaning Yates Ramp area                            |
| 2021-03      | Carl Barchet                      | CO #1    | Add funds, extend contract to 9.30.2022                   |
| 2020-25      | Gayln Rippentrop                  | CO #2    | Add funds, extend contract to 9.30.2022                   |
| 2020-16      | Western States Fire               | CO #4    | Add funds for new fire extinguishers                      |
| 2017-31      | Sandbox Studio                    | CO #5    | Add funds, extend contract to 8.16.2021                   |
| 2015-21      | Alberstons Engineering            | CO #21   | Headframe Trolley & Support Beam Inspection & Load Rating |
| 2015-21      | Alberstons Engineering            | CO #22   | Headframe Trolley & Support Beam Inspection & Load Rating |
| 2020-12      | True Clean Carpet & Janitorial    | CO #3    | Add cleaning for Ross office and old warehouse bathroom   |
| 2020-05      | West Plain Engineering            | TSK #3.2 | Add two more doors to design of access control            |
| 2021-19      | RCS Construction                  | New      | New lines at WWTP   |
| 2019-28      | Jacobs Welding                    | CO #9    | Ross Bearing Work   |
| 2021-20      | Siemag Tecberg                    | New      | New service contract                                      |
| 2019-30      | Wolff's Plumbing                  | CO #6    | Change our compressors                                    |
| 2019-02      | MidContinent Testing Laboratories | CO #8    | Diesel testing for LZ                                     |
| 2019-26      | Horsley Specialties               | CO #5    | Additional scope of work for contract                     |
| 2019-28      | Jacobs Welding                    | CO #10   | Add aluminum stop to trolley beam                         |
| 2021-13      | Howden Canada                     | New      | Ore Hondo Backup Fan                                      |
| 2019-30      | Wolff's Plumbing                  | CO #7    | AC work   |
| 2020-07      | Ferber Engineering                | TSK #3   | Kirk Canyon Access Road Concept Study                     |
| 2020-12      | True Cleaning                     | CO #4    | COVID deep cleaning                                       |
| 2019-29      | CVD                               | CO #43   | Flooring at the surface lab                               |
| 2021-08      | Stephen Poet                      | CO #1    | Add funds, extend contract                                |
| 2021-14      | True Clean Carpet & Janitorial    | New      | Remove waste  |
| 2019-05      | Servall                           | CO #8    | Add funds for ROC, extend date                            |
| 2019-28      | Jacob's Welding                   | CO #9    | Yates Turnbuckle Install                                  |

**Purchase Orders (POs):** 611 POs were issued June 1–August 31 totaling **\$1,562,706.88**.

**Warehouse Inventory:** Warehouse inventory as of August 31, 2021 totaled **\$242,577.84**

### **Inclusion, Diversity, Equity and Access (IDEA) Status**

- Culture Amp was selected as an outside firm to assist SDSTA in assessing employee engagement and inclusion through surveys.
- SDSTA's first engagement survey was launched on July 14 and closed on July 30. 74 percent of SDSTA employees responded to the survey. The survey highlighted that SDSTA employees believe the work they do is important, understand how their work contributes to the broader mission of the organization, and generally have a good work-life balance. The survey also indicated that SDSTA can improve on several areas, including employee voice and communication strategies.
- Several SDSTA employees attended an equity training with the Science Museum of Minnesota, August 2-6.

- The IDEA Office hosted a gathering of SDSTA supervisors to review the survey results and determine next steps. The group determined that employee voice as well as feedback and recognition were two focus areas SDSTA should focus on to improve employee engagement.
- The IDEA Office completed its V/TO planning, and has established goals for the 1-, 3-, and 15-year mark.
- A Code of Conduct for external researchers, collaborators and contractors who work at SURF is in development.
- The SDSTA onboarding process is being updated to incorporate additional inclusion and engagement strategies, including new employee check-ins with IDEA staff members, and a follow-up survey with new employees to gauge their sentiments about their first weeks on the job.
- An equity statement and IDEA webpage are in development for SDSTA.

## **Cultural Liaison Updates**

- Served on the Hagen-Harvey Scholarship selection committee; ten 4-year scholarships were approved.
- Continued to participate on the STARBASE board of directors – Outreach to Native students is a little less than two years ago but approaching 2500 students completing the program.
- Facilitated the SURF Cultural Advisory Committee (CAC) meeting held on July 12.
- Coordinated an update to the CAC charter to be approved in October.
- Participated in the rollout of the engagement survey data unpacking.

## **Education and Outreach (E&O) Status**

### **K-12 Education and Outreach**

#### Curriculum units

- As the new school year begins, requests for curriculum units are coming in daily. So far, materials kits have been shipped or delivered to Westside Christian School (Sioux Falls), McLaughlin Elementary, Valley View Elementary (Rapid City), Sturgis Intermediate, Douglas Middle, Bison High, and Jefferson High School (Sioux Falls). In addition, Hoven Middle School is using the Argon Transfer Challenge, which is totally digital.
- The team is completing work on shepherding the new Established Program to Stimulate Competitive Research (EPSCoR) curriculum units by cleaning up files and putting together materials lists for EPSCoR. The work should be finished by the end of September.
- The team has also been busy doing a refresh of each materials kit for the new school year as well as an update to links and some of the activities, mostly due to the discontinuation of Adobe Flash Player software in 2021, which was used in some animations.

#### Field trips (onsite)

- Two K-12 summer camps were hosted by the E&O team in June:
  - A middle school STEM camp for students from the Pine Ridge and Cheyenne River Reservations came for a tour of the WWTP and Yates Hoistroom. They also had a career talk by one of the science interns, Serenity Engel. The camp was organized by the group American Indian Services and took place at SD Mines.
  - A physics camp for high school students, hosted by the Physics Department at SD Mines, visited the lab for a Yates Hoistroom tour and neutrino oscillation activity.
- A Green Chemistry high school camp from SD Mines visited the lab for a WWTP tour.
- Field trips this fall will be limited to special cases due to ongoing COVID concerns.

#### Classroom presentations (includes virtual field trips)

- The team is just starting to schedule classroom presentations for this fall, both virtual and face-to-face. First up, for 44 first graders at Dakota Prairie Elementary in Brookings, was a virtual presentation on what a scientist is and does. Upcoming presentations are scheduled in Avon, Baltic, Bison, Deuel, Iroquois, Mobridge, Pierre, Scotland, Spearfish and Wolsey-Wessington.

#### Professional Development (PD)

- Our annual BHSU/SURF weeklong professional development institute was offered both face-to-face and virtually in June—20 teachers attended on campus and 26 virtually. While it all went well, the logistics of supporting both

formats at the same time were challenging, In the future, the E&O team plan to offer both options again, but during different weeks.

- The E&O team taught an EPSCoR Level 2 Train the Trainer class for master teachers who then taught the workshops for other teachers.
- EPSCoR Level 1 and 2 three-day classes were facilitated by the team and taught by K-12 teacher leaders.
- E&O Director Nicol Reiner was part of a team from BHSU to plan and teach a Computational Thinking workshop for elementary teachers, featuring two of the SURF curriculum units.
- The E&O team facilitated a workshop for the BHSU Quarknet teachers, spending four days on site and a day at SD Mines working with the protoDUNE group on preliminary data analysis.
- Science Education Specialist Julie Dahl presented at a workshop organized by the University of Nebraska Medical Center SEPA (Science Education Partnership Award) program for teachers from reservation schools.
- Nicol Reiner and Education & Public Outreach Director Deb Wolf facilitated a retreat for SDMath/SDSci.

## Undergraduate

- The internship program culminated in late July with presentations at a lunchtime seminar. A survey was completed, and the E&O team is in the process of analyzing the data to determine whether there should be any changes for next year. Recruiting fairs start at local universities in late September.
- The Davis-Bahcall program took place from July 3-8 at SURF and at other locations within the state through July 18. Eleven students took part – some of whom were originally scheduled to participate in 2020 (but 2020's program was cancelled). The students were mentored by Jeff Winter (BHSU/SD Mines) and Kristen Rath (Spearfish MS). Participating students are listed in Table 1.

**Table 1. 2021 Davis-Bahcall Scholars**

| <b>Student</b>     | <b>School</b>                   |
|--------------------|---------------------------------|
| Eli Bohlander      | Mobridge-Pollock High School    |
| Gabe Clark         | Black Hills State University    |
| Caden Fischer      | Menno High School               |
| Sedonah Franzen    | University of South Dakota      |
| Jordan Grothe      | University of South Dakota      |
| Bidhi Kasu         | Brookings High School           |
| Phoebe Lefevre     | Oregon State University         |
| Aisulu Malik       | Rapid City Stevens High School  |
| Emily Orme         | Augustana University            |
| Lindsey Weeldreyer | University of Alabama           |
| Ethan Yu           | Sious Falls Lincoln High School |

## Other

- Various members of the team gave talks or workshops this summer which are included in the PD totals. Educators attending:
  - SD Council of Teachers of Mathematics Summer Symposium
  - SD Associated School Boards
  - SD Mentor program Summer Academy
  - School Administrators of SD
- Various members of the team participated in education related Neutrino Day activities. These are included in the Communications Department reporting.
- Peggy Norris participated in a virtual panel discussion on women in space technology as part of ConVergence Comicon summer activities (Minneapolis/St Paul area).

The impact of our programming for the quarter is given in Table 2. The final 2020-2021 school year numbers (July 1, 2020–June 30, 2021) are given in Table 3, along with a comparison to the previous five years.

**Table 2. Student/Educator Impact (June – August 2021)**

| Bucket of Work              | No. of Programs | No. of School Districts | No. of Schools | K-12 Students | K-12 Educators | Undergrad Students |
|-----------------------------|-----------------|-------------------------|----------------|---------------|----------------|--------------------|
| Curriculum Units            | 0               | 0                       | 0              | 0             | 0              | 0                  |
| Onsite Field Trips          | 5               | N/A                     | N/A            | 52            | 2              | 11                 |
| Presentations (Synchronous) | 1               | 1                       | 1              | 44            | 2              | 0                  |
| Other K-12 (Asynchronous)   | 0               | 0                       | 0              | 0             | 0              | 0                  |
| Professional Development    | 15              | N/A                     | N/A            | 0             | 503            | 2                  |

**Table 3. K-12 Students: Fiscal year final numbers (July 1 – June 30)**

| Bucket           | 2015-2016 | 2016-2017 | 2017-2018 | 2018-2019 | 2019-2020 | 2020-2021 |
|------------------|-----------|-----------|-----------|-----------|-----------|-----------|
| Curriculum Units | 934       | 3504      | 2286      | 3598      | 3236      | 3384      |
| Presentations    | 8734      | 8157      | 6304      | 6704      | 3704      | 2005      |
| Field trips      | 595       | 660       | 796       | 1117      | 254       | 58        |
| Other            | 10        | 891       | 825       | 1055      | 918       | 298       |
| <b>Total</b>     | 10273     | 13212     | 10211     | 12474     | 8112      | 5745      |

## **Communications Status**

- In conjunction with SDSTA staff, Communications helped plan the dedication for the M. Michael Rounds Operations Center. More than 120 guests and staff attended.
- The video for promotion of the Ethnobotanical Garden was developed and posted online.
- The public phase of the Ethnobotanical Garden generated media interest from SDPB and other news outlets.
- Communications is finalizing it’s Vision/Tracker Organizer (V/TO).
- Communications Director Constance Walter and Communications Specialist Erin Broberg completed IDEA training.
- Strategic Marketing Planning is underway.
- An RFP for a new SURF website is ready for publication on the website.
- Communications regularly attends Interactions Collaboration meetings as a way to promote SURF on an
- Communications continued to work on the Sanford Lab Homestake Visitor Center (SLHVC) exhibit updates.
- Communications continues to meet with Fermilab communications and the LBNF/DUNE communications group.

## **Community Outreach/Media/Site Visits/Presentations/Site Visit.**

- Communications created a virtual Neutrino Day 2022 in gather.town. There were more than 400 users, 112 watch hours and 851 new social media followers.
- Communications worked with the Lead-Deadwood Arts Center to host an exhibit for SURF Artist-in-Residence (AiR) coordinator Gina Gibson. More than 60 people attended.
- Erin served as a panelist for the regional Science Writers of the Rocky Mountains.
- Constance presented at Women in Networking and Kiwanis and Rotary clubs; more than 100 people were reached.
- The Communications teams were interviewed by several news outlets throughout the region for Neutrino Day.

- Communications continues to work with Fermilab and TMI to document progress on underground construction and the Ross Hoistroom.

### **Upcoming Community Outreach/Media/Site Visits/Presentations/Site Visits**

- Planning for 2021-2022 Deep Talks is underway, beginning with International Dark Matter Day in October.
- Constance will give a presentation to the a Rapid City Rotary on September 21.
- Erin will give presentations to a freshman speech class, October 1; and an international Public engagement forum.
- Deb Wolf will give a presentation September 29 at the University of South Dakota during a Lunch and Learn; she will also meet with education faculty members.

### **Video, Web, Graphics**

- Creative Services completed website hosting and social media upgrades (Cascade and link-in-bio project).
- Creative Services designed ROC artwork and signage.
- Communications continues to create new video and animations to illustrate articles that are used on a variety of platforms, including social media, PowerPoint Presentations and the website.
- New features are being created and all experiment pages are being updated for the Sanford Lab website.
- Fresh content is being created weekly for all social media platforms.
- Albums in the SURF Photo Gallery may be viewed at: <http://pics.sanfordlab.org>.
- General web maintenance, digital signage content; media assistance to science collaborations and educational institutions are ongoing.

Photos of recent events/milestones are included as Appendix C.

### **News Coverage**

- [SURF dedicates new operations center named after Sen. Rounds](#), Rapid City Journal, August 26, 2021.
- [CERN to provide second DUNE cryostat](#), by Mark Rayner, Fermilab News, August 18, 2021.
- [SURF seeks artist applications for 2022 residency](#), Rapid City Journal, August 19, 2021.
- [Native Garden Would Sit Above Underground Research Facility](#), U.S. News, August 2, 2021.
- [Neutrino Day behind the screen](#), by Jeffrey Lindblom, KOTA TV, July 9, 2021.
- [Explore the dark between the stars at Neutrino Day](#), by Erin Lorraine Broberg, Black Hills Pioneer, July 6, 2021.
- [Rigging underground construction](#), by Constance Walter, Black Hills Pioneer, July 2, 2021.
- [Crews Start Lowering Equipment for DUNE Excavation](#), Construction Equipment Guide.com, June 9, 2021.

### **Information Technology Status**

#### **Projects**

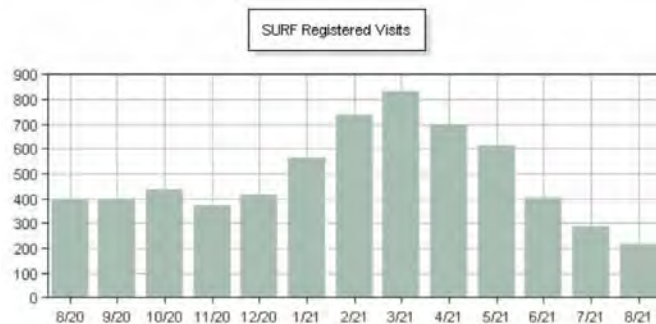
- Resolved e911 failure between SDSTA private branch exchange (PBX) phone system and Midco.
- Recovered and secured the PBX's voicemail virtual processing environment.
- Deployed isolated network/systems to support and secure the physical access control system.
- Incident response successfully contained and mitigated an Office 365 Nigerian account breach.
- Provided essential support during contractor transition for printer managed services.
- Ongoing IT assistance provided Fermi's subcontractors with deployment of radio communications and remote access in support of the raisebore project on 3650L and 4850L.
- Provided temporary connectivity to TMI for the company's office automation needs.
- Continued MS Teams deployment.
- Successfully engineered, deployed 1700L Rehabilitation Project.
- Continued effort promulgating a statement of work for the business phone system.

#### **Daily Activities**

In addition to work order activity, IT monitors and reviews wireless and general network activity and counts, network hardware readiness, VPN Remote Access logs, Firewall logs, and establishes new VPN and Docushare accounts for individuals and user groups, as requested.

## June – August 2021 Events

- The Administrative Services team registered 908 visits June 1 through August 31. Access badge requests continued to be processed and monthly badging reports posted to DocuShare.
- The Visitor Registration Monthly Reports were submitted electronically to the SD Fusion Center/Homeland Security utilizing the SURF database reporting tool.
- The Monthly SURF Foreign National Visits Reports and Restricted Party Screening Audits were generated and distributed.



Number of New Visitors, Users and Contractors On-Site

## **Administrative Services Activities**

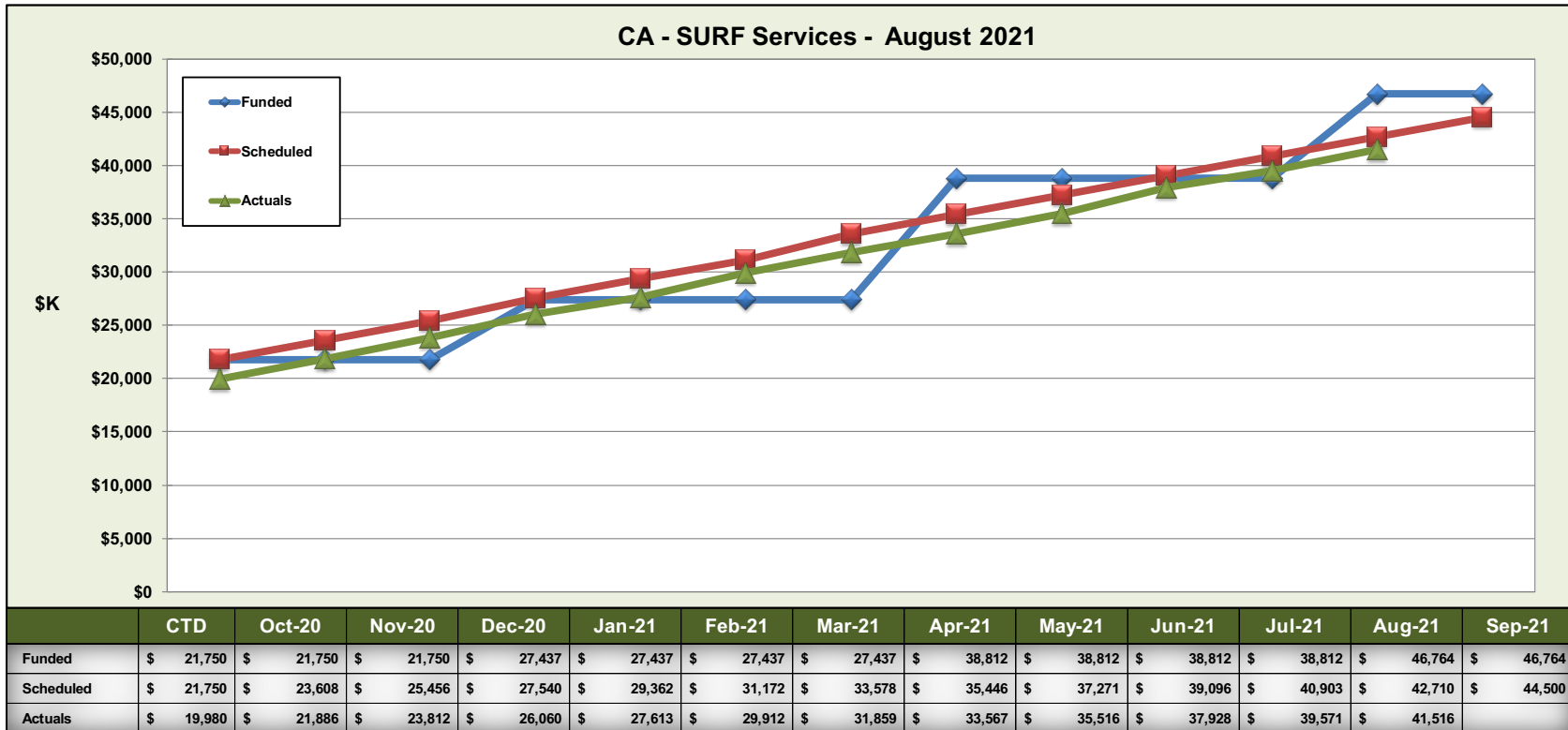
- Lab Receptionist Amelia Pearson—Monthly Researcher hours were tracked and Science training records entered; purchase orders were invoiced and closed in ManagerPlus; monthly office supply order was received and sorted; documents were scanned and laminated for various departments; safety waivers were logged into the ESH database; continued to scribe for the weekly ESH department leadership meeting (L10).
- Administrative Assistant Natasha Wheeler worked with the Communications team to recruit booth and activity partners for Neutrino Day; assisted with Change Control Review (CCR) finalization for several CCR requests; continued to scribe for several L10s and the Ross Weekly Logistics review meeting; continued to assist ESH to review SURF Bridge training courses and ESH Manual Severe Weather chapter; assisted QA/QC to review ISO documents. Natasha also continued support for the SURF Foundation, drafting, updating and reviewing donor communication pieces; drafting and reviewing content for the upcoming ethnobotanical garden webpage; updating donor records in Bloomerang; and begin planning with SURF Foundation Director Staci Miller for the upcoming, annual Donor Recognition event.
- Amanda Berry, new Laboratory Receptionist, started on August 6. The Administrative team has been providing onboarding and training. Amelia transitioned to her new role as Administrative Support to the ESH Department on September 4. Amelia is also the backup receptionist and will continue to report under Mandy's supervision. Technical Writer Caroline Amelse returned to work on August 10. Her first project is to proofread and copyedit the SDSTA Policy & Procedures manual—guidance is being provided.
- Administrative Services Manager Mandy Knight continued to assist with the Entrepreneurial Operating System (EOS) workshops with EOS Implementor Mike Roth and the SDSTA Executive Leadership team. The Annual EOS Session was held on the BHSU campus on June 29-30—the next quarterly EOS planning session is scheduled onsite for October 13. Administrative and logistical support continued to be provided—zoom meetings and onsite activities included the July 10 Neutrino Day, July 12 Cultural Advisory Committee (CAC) meeting, July 21 SURF All Hands meeting and July 27 BH Corp site visit. SDSTA planned and hosted the August 20 ROC dedication and ribbon cutting with keynote speaker Sen. Mike Rounds. It was a huge success with over 120 guests and staff in attendance. New office layouts in the Administration Building to accommodate needs in the IT and ESH Departments were designed by Canfield and a purchase order is being created.
- Implementation and basic training for the C-CURE 9000 badging system/access control is being rescheduled for early fall. Future discussions will be held with ESH, Science and IT Departments to understand requirements before the access control system is fully integrated at SURF.
- A listening post is being set up for an SDSTA Board of Directors Telephonic Special Board meeting to be held on September 17 to approve a contract between the SDSTA and Howden Canada for the Oro Hondo backup fan. Also, preparations began for the SDSTA Board of Directors regularly scheduled quarterly meeting to be held on September 23. A new Integrated Management System Policy has been drafted; and the Holidays Policy, Personnel Benefits Policy and Retention Policy have been updated. Legal counsel has reviewed them and is being submitted in the September 23 board packet for approval.



## APPENDIX

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## Finance & HR Department Appendix A



**DOE SDSTA Fiscal Year 2021 SPA Curve**

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**FINANCIAL SUMMARIES APPENDIX B**

REPORT DATE 09/09/21

SOUTH DAKOTA SCIENCE & TECHNOLOGY

8:30

PAGE 0001

DIVISION: ALL

BALANCE SHEET

ASSETS

|                           |           | AS OF<br>08/31/21     |
|---------------------------|-----------|-----------------------|
|                           |           | -----                 |
| <b>CURRENT ASSETS</b>     |           |                       |
| First Interstate Checking | \$        | 4,269,628.73          |
|                           |           | -----                 |
| Total in Local Checking   |           | 4,269,628.73          |
| SD Treas: Indemnification |           | 7,616,378.22          |
| SD Treas: Mine Closure    |           | 1,520,425.48          |
| SD Treas: Operating       |           | 1,131,522.84          |
| SD Treas: Sanford Gift #2 |           | 6,757.75              |
| SD Treas: Spec Sess - Lab |           | 132,659.12            |
| SD Treas: Experiments     |           | 869,081.53            |
|                           |           | -----                 |
| Total with SD Treasurer   |           | 11,276,824.94         |
| Billed A/R                |           | 2,702,458.61          |
| Unbilled A/R              |           | 272,764.90            |
| Other A/R                 |           | 233,201.32            |
| Inventory - Supplies      |           | 3,280,073.02          |
| Inventory - Warehouse     |           | 26,151.25             |
| Other Current Assets      |           | 618,269.76            |
|                           |           | -----                 |
| Total Current Assets      |           | 22,679,372.53         |
| <b>FIXED ASSETS</b>       |           |                       |
| Land, Underground & Other |           | 12,633,473.13         |
| Bldgs & Infrastructure    |           | 15,592,844.49         |
| Improvements              |           | 62,813,135.62         |
| Computer Equipment        |           | 354,677.81            |
| Equipment & Fixtures      |           | 10,895,979.48         |
| DOE Property Transfer     |           | 1,936,817.90          |
| Accum Depr & Amort        |           | (20,070,824.41)       |
| DOE Prop. Accum Deprec.   |           | (216,275.36)          |
|                           |           | -----                 |
| Total Fixed Assets        |           | 83,939,828.66         |
| <b>OTHER ASSETS</b>       |           |                       |
| Work in Process           |           | -                     |
| Pension Deferred Outflows |           | 4,135,812.00          |
| Xenon Purchased           |           | 8,934,350.39          |
|                           |           | -----                 |
| Total Other Assets        |           | 13,070,162.39         |
|                           |           | =====                 |
| <b>TOTAL ASSETS</b>       | <b>\$</b> | <b>119,689,363.58</b> |
|                           |           | =====                 |

DIVISION: ALL

BALANCE SHEET

LIABILITIES & EQUITY

|                            |    | AS OF<br>08/31/21 |
|----------------------------|----|-------------------|
|                            |    | -----             |
| <b>CURRENT LIABILITIES</b> |    |                   |
| Accounts Payable           | \$ | 1,142,349.93      |
| Other Payables             |    | 78,069.78         |
|                            |    | -----             |
| Total Accounts Payable     |    | 1,220,419.71      |
| Accrued Payroll Liab       |    | 1,851,312.01      |
|                            |    | -----             |
| Total Current Liabilities  |    | 3,071,731.72      |
| <b>OTHER LIABILITIES</b>   |    |                   |
| LT Xenon Notes Payable     |    | 6,000,000.00      |
| Pension Deferred Inflows   |    | 3,467,898.62      |
|                            |    | -----             |
| Total Other Liabilities    |    | 9,467,898.62      |
| <b>EQUITY</b>              |    |                   |
| Restricted: Indemnificati  |    | 7,500,000.00      |
| Restricted: Lab            |    | 76,673.47         |
| Restricted: Mine Closure   |    | 1,540,274.87      |
| Restricted: Sanford Gift2  |    | 6,569.97          |
| Restricted: Pension        |    | 667,913.38        |
| Restricted: Experim. Int.  |    | 881,129.64        |
| Restricted: Foundation     |    | 25,000.00         |
|                            |    | -----             |
| Total Restricted Funds     |    | 10,697,561.33     |
| Investment in Gen FA       |    | 83,939,828.66     |
| Unrestricted Funds         |    | 12,512,343.25     |
|                            |    | -----             |
| Total Equity               |    | 107,149,733.24    |
| <br>                       |    |                   |
| TOTAL LIABILITIES & EQUITY | \$ | 119,689,363.58    |
|                            |    | =====             |

ALL

## STATEMENT OF INCOME

FOR THE PERIOD ENDING 08/31/21

|                                      | YR-TO-DATE      |
|--------------------------------------|-----------------|
|                                      | -----           |
| REVENUE                              |                 |
| DOE Subcontracts                     | \$ 4,446,647.37 |
| NSF/NASA Subcontracts                | -               |
| State Revenue                        | -               |
| Checking Interest                    | 328.23          |
| Interest Income                      | 18,647.00       |
|                                      | -----           |
| TOTAL REVENUE                        | 4,465,622.60    |
| DIRECT COSTS                         |                 |
| Direct Labor                         | 1,300,072.68    |
| Board of Directors                   | 990.56          |
| Capital Outlay >\$5K                 | 174,771.66      |
| Contractual Svcs                     | 451,246.82      |
| Inventory                            | 44,140.20       |
| Supplies                             | 429,231.80      |
| Travel - Domestic                    | 16,808.74       |
| Travel - Foreign                     | -               |
| Utilities                            | 303,784.10      |
| Other Direct Costs                   | 5,376.19        |
| Unallow/Unbill Costs                 | 55,795.47       |
|                                      | -----           |
| TOTAL DIRECT COSTS                   | 2,782,218.22    |
| INDIRECT COSTS                       |                 |
| Fringe Benefits                      | 993,455.19      |
| Overhead                             | 1,300,649.93    |
|                                      | -----           |
| TOTAL INDIRECT COSTS                 | 2,294,105.12    |
|                                      | -----           |
| GROSS PROFIT/LOSS ( )FROM OPERATIONS | (610,700.74)    |
|                                      | -----           |
| OTHER INCOME                         |                 |
| Water Treatment                      | 75,845.39       |
| Miscellaneous Income                 | 25,421.96       |
| Other Operating Income               | 151,966.86      |
|                                      | -----           |
| TOTAL OTHER INCOME                   | 253,234.21      |
| OTHER EXPENSES                       |                 |
| Misc. Expenses & Donations           | (92,985.28)     |
| Loss (Gain) on Sale of FA            | (2,720.00)      |
| Other Unallowable Expense            | 40,153.36       |
| Reclass Incr Net Assets              | (287,355.56)    |
|                                      | -----           |
| TOTAL OTHER EXPENSES                 | (342,907.48)    |
|                                      | =====           |
| NET INCOME/LOSS ( )                  | \$ (14,559.05)  |
|                                      | =====           |

DIVISION: ALL

## COMPARATIVE BALANCE SHEET

## ASSETS

|                           | AS OF<br>08/31/21        | AS OF<br>08/31/20        | \$ CHANGE              | % CHANGE     |
|---------------------------|--------------------------|--------------------------|------------------------|--------------|
| <b>CURRENT ASSETS</b>     |                          |                          |                        |              |
| First Interstate Checking | \$ 4,269,628.73          | \$ 3,178,551.08          | \$ 1,091,077.65        | 34.33%       |
| First Interstate Other    | -                        | 5,588.19                 | (5,588.19)             | -100.00%     |
| Total in Local Checking   | 4,269,628.73             | 3,184,139.27             | 1,085,489.46           | 34.09%       |
| SD Treas: Indemnification | 7,616,378.22             | 7,849,253.34             | (232,875.12)           | -2.97%       |
| SD Treas: Mine Closure    | 1,520,425.48             | 1,530,232.62             | (9,807.14)             | -0.64%       |
| SD Treas: Operating       | 1,131,522.84             | 832,976.12               | 298,546.72             | 35.84%       |
| SD Treas: Sanford Gift #2 | 6,757.75                 | 8,526.50                 | (1,768.75)             | -20.74%      |
| SD Treas: Spec Sess - Lab | 132,659.12               | 4,433,972.70             | (4,301,313.58)         | -97.01%      |
| SD Treas: Experiments     | 869,081.53               | 947,018.09               | (77,936.56)            | -8.23%       |
| Total with SD Treasurer   | 11,276,824.94            | 15,601,979.37            | (4,325,154.43)         | -27.72%      |
| Billed A/R                | 2,702,458.61             | 2,015,174.33             | 687,284.28             | 34.11%       |
| Unbilled A/R              | 272,764.90               | 560,027.56               | (287,262.66)           | -51.29%      |
| Other A/R                 | 233,201.32               | 371,304.56               | (138,103.24)           | -37.19%      |
| Inventory - Supplies      | 3,280,073.02             | 2,422,521.41             | 857,551.61             | 35.40%       |
| Inventory - Warehouse     | 26,151.25                | 28,256.08                | (2,104.83)             | -7.45%       |
| Other Current Assets      | 618,269.76               | 705,797.98               | (87,528.22)            | -12.40%      |
| Total Current Assets      | 22,679,372.53            | 24,889,200.56            | (2,209,828.03)         | -8.88%       |
| <b>FIXED ASSETS</b>       |                          |                          |                        |              |
| Land, Underground & Other | 12,633,473.13            | 12,633,473.13            | -                      | 0.00%        |
| Bldgs & Infrastructure    | 15,592,844.49            | 9,707,365.56             | 5,885,478.93           | 60.63%       |
| Improvements              | 62,813,135.62            | 64,637,443.82            | (1,824,308.20)         | -2.82%       |
| Computer Equipment        | 354,677.81               | 570,932.90               | (216,255.09)           | -37.88%      |
| Equipment & Fixtures      | 10,895,979.48            | 11,000,464.67            | (104,485.19)           | -0.95%       |
| DOE Property Transfer     | 1,936,817.90             | 290,484.17               | 1,646,333.73           | 566.76%      |
| Accum Depr & Amort        | (20,070,824.41)          | (18,509,641.35)          | (1,561,183.06)         | 8.43%        |
| DOE Prop. Accum Deprec.   | (216,275.36)             | (8,617.16)               | (207,658.20)           | 2409.82%     |
| Total Fixed Assets        | 83,939,828.66            | 80,321,905.74            | 3,617,922.92           | 4.50%        |
| <b>OTHER ASSETS</b>       |                          |                          |                        |              |
| Work in Process           | -                        | 1,200,888.69             | (1,200,888.69)         | -100.00%     |
| Pension Deferred Outflows | 4,135,812.00             | 2,995,814.75             | 1,139,997.25           | 38.05%       |
| Xenon Purchased           | 8,934,350.39             | 8,934,350.39             | -                      | 0.00%        |
| Total Other Assets        | 13,070,162.39            | 13,131,053.83            | (60,891.44)            | -0.46%       |
| <b>TOTAL ASSETS</b>       | <b>\$ 119,689,363.58</b> | <b>\$ 118,342,160.13</b> | <b>\$ 1,347,203.45</b> | <b>1.14%</b> |



DIVISION: ALL

## COMPARATIVE BALANCE SHEET

## LIABILITIES &amp; EQUITY

|                                       | AS OF<br>08/31/21        | AS OF<br>08/31/20        | \$ CHANGE              | % CHANGE      |
|---------------------------------------|--------------------------|--------------------------|------------------------|---------------|
| <b>CURRENT LIABILITIES</b>            |                          |                          |                        |               |
| Accounts Payable                      | \$ 1,142,349.93          | \$ 1,668,718.11          | (526,368.18)           | -31.54%       |
| Other Payables                        | 78,069.78                | 20,354.57                | 57,715.21              | 283.55%       |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Accounts Payable                | 1,220,419.71             | 1,689,072.68             | (468,652.97)           | -27.75%       |
| Accrued Payroll Liab                  | 1,851,312.01             | 1,659,380.22             | 191,931.79             | 11.57%        |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Current Liabilities             | 3,071,731.72             | 3,348,452.90             | (276,721.18)           | -8.26%        |
| <b>OTHER LIABILITIES</b>              |                          |                          |                        |               |
| LT Xenon Notes                        | 6,000,000.00             | 6,000,000.00             | -                      | 0.00%         |
| Pension Deferred Inflows              | 3,467,898.62             | 1,266,585.88             | 2,201,312.74           | 173.80%       |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Other Liabilities               | 9,467,898.62             | 7,266,585.88             | 2,201,312.74           | 30.29%        |
|                                       | -----                    | -----                    | -----                  | -----         |
| <b>TOTAL LIABILITIES</b>              | <b>12,539,630.34</b>     | <b>10,615,038.78</b>     | <b>1,924,591.56</b>    | <b>18.13%</b> |
| <b>EQUITY</b>                         |                          |                          |                        |               |
| Restricted: Indemnificati             | 7,500,000.00             | 7,500,000.00             | -                      | 0.00%         |
| Restricted: Lab                       | 76,673.47                | 4,188,598.00             | (4,111,924.53)         | -98.17%       |
| Restricted: Mine Closure              | 1,540,274.87             | 1,497,441.53             | 42,833.34              | 2.86%         |
| Restricted: Sanford Gift2             | 6,569.97                 | 6,991.97                 | (422.00)               | -6.04%        |
| Restricted: Pension                   | 667,913.38               | 1,729,228.87             | (1,061,315.49)         | -61.38%       |
| Restricted: Experim. Int.             | 881,129.64               | 729,305.00               | 151,824.64             | 20.82%        |
| Restricted: Foundation                | 25,000.00                | 897.66                   | 24,102.34              | 2685.02%      |
|                                       | -----                    | -----                    | -----                  | -----         |
| Total Restricted Funds                | 10,697,561.33            | 15,652,463.03            | (4,954,901.70)         | -31.66%       |
| Investment in Gen FA                  | 83,939,828.66            | 80,321,905.74            | 3,617,922.92           | 4.50%         |
| Unrestricted Funds                    | 12,512,343.25            | 11,752,752.58            | 759,590.67             | 6.46%         |
|                                       | -----                    | -----                    | -----                  | -----         |
| <b>TOTAL EQUITY</b>                   | <b>107,149,733.24</b>    | <b>107,727,121.35</b>    | <b>(577,388.11)</b>    | <b>-0.54%</b> |
|                                       | =====                    | =====                    | =====                  | =====         |
| <b>TOTAL LIABILITIES &amp; EQUITY</b> | <b>\$ 119,689,363.58</b> | <b>\$ 118,342,160.13</b> | <b>\$ 1,347,203.45</b> | <b>1.14%</b>  |
|                                       | =====                    | =====                    | =====                  | =====         |

COMPARATIVE STATEMENT OF INCOME

FOR THE PERIOD ENDING 08/31/21

|                              | YEAR<br>TO DATE       | PRIOR YEAR<br>TO DATE | \$ CHANGE              | % CHANGE        |
|------------------------------|-----------------------|-----------------------|------------------------|-----------------|
| <b>REVENUE</b>               |                       |                       |                        |                 |
| DOE Subcontracts             | \$ 4,446,647.37       | \$ 4,515,543.03       | \$ (68,895.66)         | -1.53%          |
| NSF/NASA Subcontracts        | -                     | 865.68                | (865.68)               | -100.00%        |
| State Revenue                | -                     | -                     | -                      | 0.00%           |
| Checking Interest            | 328.23                | 240.33                | 87.90                  | 36.57%          |
| Interest Income              | 18,647.00             | 25,754.00             | (7,107.00)             | -27.60%         |
| <b>TOTAL REVENUE</b>         | <b>4,465,622.60</b>   | <b>4,542,403.04</b>   | <b>(76,780.44)</b>     | <b>-1.69%</b>   |
| <b>DIRECT COSTS</b>          |                       |                       |                        |                 |
| Direct Labor                 | 1,300,072.68          | 1,214,875.33          | 85,197.35              | 7.01%           |
| Board of Directors           | 990.56                | 750.00                | 240.56                 | 32.07%          |
| Capital Outlay >\$5K         | 174,771.66            | 350,365.02            | (175,593.36)           | -50.12%         |
| Contractual Svcs             | 451,246.82            | 333,206.74            | 118,040.08             | 35.43%          |
| Inventory                    | 44,140.20             | 20,747.67             | 23,392.53              | 112.75%         |
| Supplies                     | 429,231.80            | 177,733.15            | 251,498.65             | 141.50%         |
| Travel - Domestic            | 16,808.74             | 926.32                | 15,882.42              | 1714.57%        |
| Travel - Foreign             | -                     | -                     | -                      | 0.00%           |
| Utilities                    | 303,784.10            | 312,599.69            | (8,815.59)             | -2.82%          |
| Other Direct Costs           | 5,376.19              | 2,493.70              | 2,882.49               | 115.59%         |
| Unallow/Unbill Costs         | 55,795.47             | 50,915.96             | 4,879.51               | 9.58%           |
| <b>TOTAL DIRECT COSTS</b>    | <b>2,782,218.22</b>   | <b>2,464,613.58</b>   | <b>317,604.64</b>      | <b>12.89%</b>   |
| <b>INDIRECT COSTS</b>        |                       |                       |                        |                 |
| Fringe Benefits              | 993,455.19            | 957,710.11            | 35,745.08              | 3.73%           |
| Overhead                     | 1,300,649.93          | 1,420,161.86          | (119,511.93)           | -8.42%          |
| <b>TOTAL INDIRECT COSTS</b>  | <b>2,294,105.12</b>   | <b>2,377,871.97</b>   | <b>(83,766.85)</b>     | <b>-3.52%</b>   |
| <b>GROSS PROFIT/LOSS ( )</b> | <b>(610,700.74)</b>   | <b>(300,082.51)</b>   | <b>(310,618.23)</b>    | <b>517.81%</b>  |
| <b>OTHER INCOME</b>          |                       |                       |                        |                 |
| Water Treatment              | 75,845.39             | 73,757.91             | 2,087.48               | 2.83%           |
| Miscellaneous Income         | 25,421.96             | 825.49                | 24,596.47              | 2979.62%        |
| Other Operating Income       | 151,966.86            | 6,693.16              | 145,273.70             | 2170.48%        |
| <b>TOTAL OTHER INCOME</b>    | <b>253,234.21</b>     | <b>81,276.56</b>      | <b>171,957.65</b>      | <b>211.57%</b>  |
| <b>OTHER EXPENSES</b>        |                       |                       |                        |                 |
| Misc. Expenses & Donations   | (92,985.28)           | -                     | (92,985.28)            | 100.00%         |
| Loss (Gain) on Sale of FA    | (2,720.00)            | -                     | (2,720.00)             | 100.00%         |
| Other Unallowable Expense    | 40,153.36             | 8,617.16              | 31,536.20              | 365.97%         |
| Reclass Incr Net Assets      | (287,355.56)          | (383,892.54)          | 96,536.98              | -25.15%         |
| <b>TOTAL OTHER EXPENSES</b>  | <b>(342,907.48)</b>   | <b>(375,275.38)</b>   | <b>32,367.90</b>       | <b>-8.63%</b>   |
| <b>NET INCOME/LOSS ( )</b>   | <b>\$ (14,559.05)</b> | <b>\$ 156,469.43</b>  | <b>\$ (171,028.48)</b> | <b>-109.30%</b> |

**South Dakota Science & Technology Authority**  
**Available Resources**  
**8/31/2021**

|   |        |                         |
|---|--------|-------------------------|
| Cash Total Checking   | \$     | 4,269,629               |
| Cash With State Treasurer   | \$     | <u>11,276,825</u>       |
| Total Cash  | \$     | 15,546,454              |
| Less: Restricted Funds  |        |                         |
| Indemnification/Mine Closure/Special Session Lab                              | \$     | (9,269,463)             |
| Experiments (Xenon, Interest, Infrastructure)                                 | \$     | <u>(869,082)</u>        |
| <br>Total Cash Available for Infrastructure Upgrades and Authority Operations | <br>\$ | <br>5,407,909           |
| Plus: Accounts Receivable Billed  | \$     | 2,702,459               |
| Accounts Receivable Unbilled  | \$     | 272,765                 |
| Less: Current Liabilities (Accounts Payable & Accrued Payroll)                | \$     | <u>(3,006,566)</u>      |
| (not including accts. pay. For MSF funding)                                   |        |                         |
| Available Cash and Receivables  | \$     | <u><u>5,376,567</u></u> |

SDSTA Operating Budget Summary FY2022

Actual vs Budget  
August 2021 & YTD

|   | \$ Over/Under  |                |               |             | \$ Over/Under  |                |              |             |             |
|---|----------------|----------------|---------------|-------------|----------------|----------------|--------------|-------------|-------------|
|   | August 2021    | Budget         | Budget        | % of Budget | Actual YTD     | YTD Budget     | Budget       | % of Budget | % Remaining |
| SDSTA (Authority) Direct Charges          |                |                |               |             |                |                |              |             | 100%        |
| Board of Directors                        | \$2,172.00     | \$21,333.00    | \$19,161.00   | 10.18%      | \$40,830.00    | \$42,666.00    | \$1,836.00   | 95.70%      | 4.30%       |
| Executive Office                          | \$308,415.00   | \$201,545.00   | -\$106,870.00 | 153.03%     | \$365,962.00   | \$276,375.00   | -\$89,587.00 | 132.42%     | -32.42%     |
| Science Center E & O                      | \$2,654.00     | \$4,000.00     | \$1,346.00    | 66.35%      | \$45,493.00    | \$47,500.00    | \$2,007.00   | 95.77%      | 4.23%       |
| Science Liaison                           | -\$276.00      | \$0.00         | \$276.00      | 100.0%      | -\$875.00      | \$0.00         | \$875.00     | 100.00%     | 0.00%       |
| Subtotal                                  | \$312,965.00   | \$226,878.00   | -\$86,087.00  | 137.94%     | \$451,410.00   | \$366,541.00   | -\$84,869.00 | 123.15%     | -23.15%     |
| Federal/State Funding - Direct Charges    |                |                |               |             |                |                |              |             |             |
| Fermi C#671265 Prof. St.Services          | \$3,590.00     | \$5,000.00     | \$1,410.00    | 71.8%       | \$8,056.00     | \$15,000.00    | \$6,944.00   | 53.71%      | 46.29%      |
| Fermi C#674969 Ross Logist.Supp.          | \$202,562.00   | \$400,000.00   | \$197,438.00  | 50.64%      | \$403,452.00   | \$800,000.00   | \$396,548.00 | 50.43%      | 49.57%      |
| Fermi Misc. Contracts                     | \$0.00         | \$5,000.00     | \$5,000.00    | 0.0%        | \$0.00         | \$10,000.00    | \$10,000.00  | 0.00%       | 100.00%     |
| Office of Science Coop.Agree              | \$1,322,459.00 | \$1,202,746.00 | -\$119,713.00 | 109.95%     | \$2,409,365.00 | \$2,404,306.00 | -\$5,059.00  | 100.21%     | -0.21%      |
| Office of Science IIP Projects            | \$41,818.00    | \$41,818.00    | \$0.00        | 100.0%      | \$98,319.00    | \$98,319.00    | \$0.00       | 100.00%     | 0.00%       |
| LBNL SIGMA-V C#7371823                    | \$18,531.00    | \$20,000.00    | \$1,469.00    | 92.66%      | \$31,321.00    | \$35,000.00    | \$3,679.00   | 89.49%      | 10.51%      |
| LBNL LZExp.Operat.C#7525117               | \$39,948.00    | \$50,000.00    | \$10,052.00   | 79.9%       | \$86,438.00    | \$120,000.00   | \$33,562.00  | 72.03%      | 27.97%      |
| MJD (Majorana) ORNL144149                 | \$1,514.00     | \$2,000.00     | \$486.00      | 75.7%       | \$2,867.00     | \$4,000.00     | \$1,133.00   | 71.68%      | 28.33%      |
| * Kiewit/Thyssen/DakotaT.                 | \$4,617.00     | \$4,700.00     | \$83.00       | 98.23%      | \$8,617.00     | \$8,700.00     | \$83.00      | 99.05%      | 0.95%       |
| RESPEC Thermal Breakout                   | \$3,257.00     | \$5,000.00     | \$1,743.00    | 65.14%      | \$3,257.00     | \$6,000.00     | \$2,743.00   | 54.28%      | 45.72%      |
| Subtotal                                  | \$1,638,296.00 | \$1,736,264.00 | \$97,968.00   | 94.36%      | \$3,051,692.00 | \$3,501,325.00 | \$449,633.00 | 87.16%      | 12.84%      |
| Indirect Expenses                         |                |                |               |             |                |                |              |             |             |
| Indirect Charges Personnel                | \$409,147.00   | \$412,984.00   | \$3,837.00    | 99.07%      | \$750,274.00   | \$841,915.00   | \$91,641.00  | 89.12%      | 10.88%      |
| Indirect Charges Other                    | \$403,621.00   | \$504,759.00   | \$101,138.00  | 79.96%      | \$834,261.00   | \$1,029,008.00 | \$194,747.00 | 81.07%      | 18.93%      |
| Subtotal                                  | \$812,768.00   | \$917,743.00   | \$104,975.00  | 88.56%      | \$1,584,535.00 | \$1,870,923.00 | \$286,388.00 | 84.69%      | 15.31%      |
| Totals                                    | \$2,764,029.00 | \$2,880,885.00 | \$116,856.00  | 95.94%      | \$5,087,637.00 | \$5,738,789.00 | \$651,152.00 | 88.65%      | 11.35%      |
| * Private Corporations (Commercial Group) |                |                |               |             |                |                |              |             |             |

## Communications Department Photo Appendix C



*Top: Sen. Mike Rounds cuts a ribbon dedicating the new building in his namesake, the M. Michael Round Operations Center (ROC).*

*Center left: Education and Outreach Director Nicol Reiner tackles the challenges of delivering teacher professional development both in-person and virtually.*

*Center right: Chad Ronish and Deb Wolf at Neutrino Day create a live virtual activity called "What if?"*

*Bottom: A behind-the-scenes look at the Neutrino Day production studio.*





Four sacred sites in the Black Hills were photographed to promote the Sacred Circle Garden project in a video.

Top: Bear Butte during a summer thunderstorm.

Center: The Milky Way over Mato Tipila (left) and a sunset over the Badlands (right).

At right: Clouds fly over Black Elk Peak.

Bottom right: Casey Peterson and K.C. Russell tour the future location for the Sacred Circle Garden.

Bottom left: K.C. Russell offers Staci Miller a flower at the garden site.



**SDSTA Policies and Procedures—Mr. Mike Headley**

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Attached are the following new and updated SDSTA Policies reviewed by legal counsel and recommended for approval:

- To be included in Section 2 “Employee Handbook” of the SDSTA Policies and Procedures Manual
  - Integrated Management System Policy (*new policy stating SDSTA shall implement an IMS based on ISO standards*)
  - Holiday Policy (*policy updated to include Juneteenth/Emancipation Day Holiday*)
  - Personnel Benefits Policy (*policy updated to include Juneteenth as a paid holiday*)
  - Record Retentions Policy (*policy updated to revise retention dates for misc ESH documents and formatting*)

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**Recommended Action:**

*Motion to approve the new IMS Policy and updated Holidays Policy, Personnel Benefits Policy and Retention Policy as presented.*

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***SURF Integrated Management System Policy, request for approval by SDSTA board on 9/23/21***

**SURF Integrated Management System Policy**

**Statement:**

The South Dakota Science and Technology Authority (SDSTA) shall implement and manage an Integrated Management System (IMS) based on International Organization for Standardization (ISO) standards. The IMS is inclusive of the following standards and requirements: ISO 9001:2015 Quality Management System, ISO 14001:2015 Environmental Management System and ISO 45001:2018 Occupational Health and Safety Management System.

**Purpose:**

The SDSTA shall maintain certification of the IMS in accordance with the Sanford Underground Research Facility (SURF) Operations Cooperative Agreement (CA) between the SDSTA and the U.S. Department of Energy's Office of Science.

**Related Policies or Procedures:**

IMS Policy, IMSM-(A-520-001)-173288

**Holiday Policy, request for approval by SDSTA board on 9/23/21**

Holidays Policy

A. Statement

All employees at the South Dakota Science and Technology Authority (“SDSTA”) receive their regular pay for the following 11 federal legal and state -holidays and plus any other additional administrative leave state day proclaimed as a holiday holiday(s) as proclaimed granted by the Governor of South Dakota applicable to state employees generally. The SDSTA recognizes the following holidays The 11 eleven federal holidays are as follows:

|  |                           |
|--|---------------------------|
| New Year’s Day   | January 1                 |
| Dr. Martin Luther King, Jr. Day                                | Third Monday in January   |
| Presidents Day   | Third Monday in February  |
| Memorial Day   | Last Monday in May        |
| <u>Juneteenth/Emancipation Day</u>                             | <u>June 19</u>            |
| Independence Day   | July 4                    |
| Labor Day  | First Monday in September |
| <u>Native Americans’ Day/</u><br><u>Indigenous Peoples Day</u> | Second Monday in October  |
| Veterans Day   | November 11               |
| Thanksgiving <u>Day</u> —<br>November                          | _____Fourth Thursday in   |
| Christmas <u>Day</u>   | _____December 25          |

If a holiday from the list falls on a Saturday, the preceding Friday is observed as the paid holiday. If a holiday falls on a Sunday, it is observed on the following Mondaythe following Monday is observed as the paid holiday.

-Holiday pay is prorated based on the hours worked for eligible employees who are working less than full time part-time employees. For information about holiday pay provisions, contact the Human Resources Administrator.

Eligible full-time employees will receive eight (8) hours of pay at their straight-time hourly rate of pay for each designated observed holiday.

-Eligible employees required to work on the an observe designated holiday will be paid their straight-time hourly rate of pay for all hours worked that day, plus their holiday pay for eight (8) hours. Holiday hours are not considered work hours and do not count towards overtime pay.

[For more information about holiday pay provisions, please contact Human Resources.](#)

#### [B. Purpose](#)

[When practicable, SDSTA believes in providing provides paid time off for  
aforementioned holidays to employees so they may honor, celebrate, remember or  
mourn diverse historical, cultural and religious events and traditions. For To practice  
equity and to express gratitude, SDSTA compensates employees who sacrifice holiday  
time to assure continued operations of SDSTA.](#)

#### [C. Related Policies and Procedures](#)

[Personnel Benefits Policy](#)

[Anti-Harassment Policy](#)

[Inclusion, Diversity, Equity and Access Inclusion Policy](#)

[Personnel Benefits Policy](#)

**Personnel Benefits Policy, request for approval by SDSTA board on 9/23/21**

**Personnel Benefits Policy**

It is the policy of the South Dakota Science and Technology Authority (SDSTA) to offer eligible employees a variety of benefit programs designed to help plan for retirement and to meet the financial burdens that can result from illness or disability. Eligibility for benefits is discussed in the Employment Policy.

**A. Life and Accidental Death & Dismemberment (AD&D) insurance**

Both employer-paid life and AD&D insurances are provided for each employee, with a \$50,000 benefit. Employees may purchase additional coverage at their own expense.

**B. Long-Term disability**

Employer-paid long term disability insurance is provided for each employee. Following a ninety (90) day waiting period, the monthly benefit consists of sixty percent (60%) of the first \$15,000 of monthly pre-disability earnings.

**C. Health insurance**

Employees may purchase health insurance coverage for themselves and their dependent(s) through SDSTA's group plan. Based upon funding, the SDSTA may elect to help subsidize the cost of health insurance coverage. The coverage and premiums vary from year to year.

**D. Dental**

Employer-paid dental insurance is provided for each employee. Employees may purchase dependent coverage at their own expense. The coverage available varies from year to year.

**E. Vision**

Employer-paid vision care is provided for each employee. Employees may purchase dependent coverage at their own expense. The coverage available varies from year to year.

**F. Medical expense and dependent care flexible spending accounts**

Employees may make pre-tax contributions to a flexible spending account for qualified medical expenses not covered by an insurance plan and dependent care expenses.

**G. Paid holidays**

~~Ten (10)~~Eleven holidays per year plus any administrative leave granted holidays ~~proclaimed~~ by the Governor of South Dakota:

- New Year's Day

- Dr. Martin Luther King, Jr. Day
- President's Day
- Memorial Day
- Juneteenth/Emancipation Day
- Independence Day
- Labor Day
- Native American Day
- Veterans Day
- Thanksgiving Day
- Christmas Day

See additional details in the Holidays Policy.

## H. Longevity pay

Full-time employees are eligible for longevity pay after seven (7) years of service. See Years of Service and Longevity Pay Policy for complete details.

## I. Retirement

### 1. South Dakota Retirement System (SDRS):

Employees are required to contribute 6% of their earnings (pre-tax) each pay period beginning at their date of hire. The SDSTA will also match the six percent (6%) contribution each pay period. After three years of contributory service, the employee is entitled to a vested monthly lifetime retirement benefit.

### 2. SDRS Supplemental Retirement Plan (SRP):

Employees may make additional pre-tax or after-tax Roth contributions through the SDRS Supplemental Retirement Plan. These contributions are not matched by the SDSTA.

### 3. Special Pay Plan:

The SDSTA is a participating unit of the Special Pay Plan, which provides eligible employees with two types of tax-efficient savings options, as well as additional retirement benefits. Under the Special Pay Plan, eligible members' lump-sum termination payouts are permanently exempt from Social Security taxes and, in addition, are free from federal income taxation until withdrawn from the plan. A participant has the option to invest the funds and any earnings will grow tax deferred until distributed from the plan. Withdrawals may be in the form of a single, lump-sum payment or as additional monthly retirement benefits.

### 4. Employees who have reached normal retirement age of 65 with at least three years of contributory service are eligible for unreduced retirement benefits under

the SDRS. Normal retirement is the first of the month of the employee's 65<sup>th</sup> birthday. However, there is no mandatory retirement age at the SDSTA.

5. Early retirement:

Employees may retire as early as age 55 and receive retirement benefits if they have at least three years of contributory service. If payments begin immediately, the employee's monthly lifetime retirement benefits will be reduced.

6. Disability:

If an employee is unable to work because of a disability expected to last one year or longer, they may be eligible to receive a monthly benefit from SDRS. The SDRS also provides disability coverage for employees who have three years of consecutive contributory service. However, if the employee is accidentally disabled while performing the usual duties of their job, they are immediately eligible to apply for benefits. The employee must be a contributing member at the time they become disabled.

Additional information regarding retirement benefits is available at <http://www.sdrs.sd.gov>.

**J. Social security**

As mandated by law.

**K. Training and professional development**

The SDSTA does not have an education or tuition assistance program. However, a Department Director and/or Executive Director of the SDSTA may determine the need for a variety of training for all or selected employees which may include professional development training, computer training, safety training, certifications, license exams and other work-related training opportunities. Employees are required to complete a consent form which must be approved by the Department Director and/or Executive Director prior to any training/professional development commitments. The time employees spend taking either mandatory or supervisor recommended training is considered time worked.

Fees for training/professional development are not automatically reimbursed. Professional memberships/certifications/licenses or renewals that are work-related will be reimbursed at the discretion of the Department Director and/or the Executive Director. In cases where a fee exceeds \$1,000.00, and an employee voluntarily leaves the employ of the SDSTA within one (1) year following training/certification, the employee shall repay all such training-related expenses paid by the SDSTA. Exceptions may be made for an employee unable to continue due to illness or injury, dismissal or a reduction in workforce. An employee's obligation to reimburse SDSTA as provided in this paragraph may not be enforced by withholding salary if doing so would result in the employee's salary being less than the applicable minimum wage.

**L. Employee Assistance Program (EAP)**

The EAP was established to provide professional, confidential assistance for any type of personal problem such as alcohol and other substance abuse, marital and family difficulties, financial and legal troubles and emotional distress.

All full-time employees and their dependents are eligible to receive assistance through the EAP to assess problems, provide short-term counseling and, if necessary, make a referral to appropriate community and private services. The EAP will not reveal any information that the individual discloses to the EAP except in the following circumstances:

- The employee consents in writing
- The law requires disclosure, or
- It is believed that life or safety is threatened by non-disclosure

Employees are responsible for their performance and for taking constructive action to resolve any personal problems that affect or threaten to affect their on-the-job behavior. Managers and supervisors are responsible for remaining alert to all instances of substandard work performance and bringing these instances to the attention of the employee, along with an offer of assistance, at the earliest indication of a problem.

When an employee's job performance or attendance is unsatisfactory or there appears to be signs of other problems during the work day, the supervisor should counsel the employee in consultation with Human Resources. If an employee appears to be unable or unwilling to correct the situation, s/he may be referred to the EAP to assist in the resolution of the problem. Depending on the situation, the employee may accept or refuse participation in the EAP. However, there may be situations where continued employment with the SDSTA may be contingent upon the employee calling the EAP for assistance. Participation in the EAP in no way relieves the employee of the responsibility to meet acceptable work performance and attendance standards.

Employees who need to visit the EAP during regular working hours must use vacation or sick leave benefits, if available. If illness is involved, sick or vacation benefits or unpaid time off may be used on the same basis that it is granted for other health problems.

## **M. Workers' Compensation**

As required by law. If injured, an employee must notify his or her supervisor immediately. All injuries must be reported to the Environment, Safety and Health Department and a First Report of Injury completed and signed within three (3) days of the injury. Failure by the employee to report an injury on time may result in denial of the claim.

Employees should refer to the insurance summary plan description provided at the benefit enrollment meeting for details of each insurance plan or contact the Human Resources Administrator. Eligibility for specific benefits under the SDSTA's insurance

program is governed at all times by the complete terms of the respective group insurance policy.

The SDSTA's benefit programs are subject to change without notice. Employees should contact the Human Resources Administrator for details concerning any of their benefit plans.

An employee's medical, dental, vision and life insurance will cease on the last day of the month of termination. Continuation of Benefits, which include medical, dental and vision, may be available under Title X of the Consolidated Omnibus Budget Reconciliation Act (COBRA) Law of 1985 upon termination. The employee must contact the Human Resource Administrator if continued coverage is desired.

Vacation and sick leave benefits are described in the Leave Policy.



**Records Retention Policy, request for approval by SDSTA board on 9/23/21**

[Records Retention Policy](#)

[A. Statement](#)

~~To comply~~In accordance with federal, state and contractual obligations, the South Dakota Science and Technology Authority (“SDSTA”) ~~must will~~ retain limited administrative, environmental, safety and health records. ~~Records will be retained~~ according to the following ~~timetables~~:

## **Administrative**

| <u>Type of Record</u>   | <u>Retention Period</u>                       |
|---|---|
| Accident report/claims ( <u>only</u> settled cases)                                   | 10 <del>y</del> Years                         |
| Accounts payable <del>ledgers and schedules</del> <u>checks and vouchers (copies)</u> | 10 <del>y</del> Years                         |
| <u>Accounts payable ledgers and schedules</u>   | <u>10 years</u>                               |
| Accounts receivable ledgers and schedules   | 10 <del>y</del> Years                         |
| Audit reports   | <del>Permanently</del> <u>Indefinitely</u>    |
| Bank reconciliations  | 2 <del>y</del> Years                          |
| Bank statements   | 3 <del>y</del> Years                          |
| Cash books  | <del>Permanently</del> <u>Indefinitely</u>    |
| Contracts   | 10 <del>y</del> Years                         |
| Correspondence ( <u>only regarding</u> <del>l</del> Legal and important matters)      | <del>Permanently</del> <u>Indefinitely</u>    |
| Deeds, mortgage <u>e</u> s and bills of sales   | <del>Permanently</del> <u>Indefinitely</u>    |
| Depreciation schedules  | <del>Permanently</del> <u>Indefinitely</u>    |
| Employment applications   | 5 <del>y</del> Years                          |
| Employee timesheets   | 10 <del>y</del> Years                         |
| Financial statements ( <u>only</u> year-end)  | <del>Permanently</del> <u>Indefinitely</u>    |
| Foreign Nationals <u>Identifications</u> <del>Ds</del> — Badged Users and Contractors | 7 <del>y</del> Years after end of fiscal year |
| Garnishments  | 10 <del>y</del> Years                         |

| <u>Type of Record</u>  | <u>Retention Period</u>  |
|--|--|
| Government-furnished property ( <u>only</u> equipment over \$5K)   | 3 <del>y</del> Years   |
| <del>Expired insurance policies</del>                              | <del>7 y</del> Years   |
| Indirect cost rate proposals                                       | 3 years from date of submission  |
| <u>Insurance policies (expired)</u>                                | <u>7 years</u>   |
| Insurance records, current accident reports, claims policies, etc. | <del>Permanently</del> <u>Indefinitely</u>   |
| Inventories of products, materials, supplies                       | 10 <del>y</del> Years  |
| Invoices ( <u>only</u> to customers <u>and</u> , from vendors)     | 10 <del>y</del> Years  |
| Journals   | <del>Permanently</del> <u>Indefinitely</u>   |
| Minute books of directors  | <del>Permanently</del> <u>Indefinitely</u>   |
| Payroll records and summaries                                      | 10 <del>y</del> Years  |
| Personnel files ( <del>terminated</del> )                          | <u>Indefinitely during employment and 10 y</u> <del>Years</del> <u>after termination</u> |
| Petty cash vouchers  | 3 <del>y</del> Years   |
| Property appraisals by outside appraisers                          | <del>Permanently</del> <u>Indefinitely</u>   |
| Purchase orders  | 3 <del>y</del> Years   |
| Receiving sheets   | 3 <del>y</del> Years   |
| Retirement and pension records                                     | <del>Permanently</del> <u>Indefinitely</u>   |
| Requisitions   | 3 <del>y</del> Years   |
| Scrap and salvage records  | 10 <del>y</del> Years  |
| Visitor daily check-in logs and monthly registration logs          | 5 <del>y</del> Years   |
| Voucher register and schedules                                     | 10 <del>y</del> Years  |

# Environmental

| <u>Type of Record</u>  | <u>Retention Period</u>                                  |
|--|--|
| Biological Reports ( <u>only Whole Effluent Toxicity</u> <del>WET</del> and Stream <u>test results</u> ) [ <u>National Pollution Discharge Elimination System (NPDES) Permit 0000043</u> ] | 5 <del>y</del> Years                                     |
| Clean Air Act emission test results [40 <u>Code of Federal Regulations (CFR) 61.33</u> ]   | 4 <del>y</del> Years                                     |
| Clean Air Act monitoring data <u>and</u> , performance tests [40 CFR 61.14]  | 4 <del>y</del> Years                                     |
| Clean Air Act Permits [40 CFR 70.6 (9a)(3)]  | 5 <del>y</del> Years                                     |
| <u>Environmental Protection Agency (EPA) underground injection permits</u> [40 CFR 144.12]   | <del>Retain until</del> <u>Indefinitely until closed</u> |
| <u>Emergency Planning and Community Right-to-know Act (EPCRA) Tier II Reports</u> [40 CFR 370.25 (d)]  | 4 <del>y</del> Years                                     |
| <del>Hazardous waste contingency Plan</del> [40 CFR 262.40]  | 4 <del>y</del> Years                                     |
| Hazardous waste exception reports [40 CFR 262.40]  | 4 <del>y</del> Years                                     |
| Hazardous waste inspection results [40 CFR 262.40]   | 4 <del>y</del> Years                                     |
| Hazardous waste manifests [40 CFR 262.40]  | 4 <del>y</del> Years                                     |
| Hazardous waste training records [40 CFR 262.40]   | 4 <del>y</del> Years                                     |
| <u>Land Disposal Restrictions (LDR) waste analysis and</u> <del>documenta</del> <u>tion</u> [40 CFR 370.25 (d)]  | 5 <del>y</del> Years                                     |
| NPDES monitoring records (DMRs) [40 CFR 122.41]  | 4 <del>y</del> Years                                     |
| NPDES permit application records [40 CFR 122.21]   | 5 <del>y</del> Years                                     |
| NPDES storm water records [40 CFR 216.29]  | 5 <del>y</del> Years                                     |
| <u>Polychlorinated Biphenyl (PCB) manifests and logs</u> ( <u>only</u> after final disposal) [40 CFR 761.209]  | 4 <del>y</del> Years                                     |
| <u>Spill Prevention, Control and Countermeasure (SPCC) plans and inspection records</u> [40 CFR 112.7]   | 4 <del>y</del> Years                                     |
| Storm water construction permits [by permit]   | <del>Retain Indefinitely until closed</del>              |

| <u>Type of Record</u>   | <u>Retention Period</u>                  |
|---|--|
| Waste test results [40 CFR 262.40]  | 4 <del>y</del> Years                     |
| <u>Wastewater Treatment Plant (WWTP) monitoring data and calibration check [40 CFR 61.14]</u> | 4 <del>y</del> Years                     |
| <u>All other permits</u>  | <u>Indefinitely</u> <del>Permanent</del> |

## Safety and Health

| <u>Type of Record</u>  | <u>Retention Period</u> |
|--|-------------------------|
| <u>Employee Training Records</u>   | <u>Indefinitely</u>     |
| <u>Industrial Hygiene (IH)</u>   | <u>Indefinitely</u>     |
| <u>Job Hazard Analyses (JHAs)</u>  | <u>7 years</u>          |
| <u>Medical Records (only related to workers' compensation)</u>   | <u>Indefinitely</u>     |
| <u>OSHA 300 Logs</u>   | <u>5 years</u>          |
| Risk <u>Waivers (2)</u> - <u>"Acknowledgment of Risk" and "Release, Agreement Not to Sue and Waiver"</u> | <u>Indefinitely</u>     |
| <u>Safe Work Permits</u>   | <u>7 years</u>          |
| <u>Standard Operating Procedures (SOPs)</u>  | <u>7 years</u>          |

### B. Purpose

Records retention is essential for SDSTA operations and compliance.

### C. Related Policies and Procedures

Confidentiality Policy

Employment Records and Personal Data Procedure

**Executive Session—Chairperson Casey Peterson**

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Meeting closed to public during executive session.

*See recommended motion below.*

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**Recommended Action:**

*Motion to enter executive session to discuss personnel matters and to consult with legal counsel concerning contractual and legal matters.*

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**Report from Executive Session—Chairperson Casey Peterson**

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*See recommended motion below.*

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**Recommended Action:**

*“The board consulted with legal counsel concerning contractual and legal matters. No action was taken.”*

*OR*

*...as discussed and stated otherwise*

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**Confirm date and time of next meeting—Chairperson Casey Peterson**

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The next board meeting will be held on Thursday, December 17, beginning at 9:00 AM (Mountain Time).

| 2021 Board Schedule          |                      |
|------------------------------|----------------------|
| Thursday, March 25 2021      | 8:00 am (MT)         |
| Thursday, June 24, 2021      | 8:00 am (MT), annual |
| Thursday, September 23, 2021 | 8:00 am (MT)         |
| Thursday, December 16, 2021  | 9:00 am (MT)         |

*South Dakota Science and Technology Authority  
Sanford Underground Research Facility  
Education & Outreach Building (large conference room and zoom)  
630 E. Summit Street  
Lead, SD 57754  
Questions? Contact Mandy Knight, [mknight@sanfordlab.org](mailto:mknight@sanfordlab.org)  
Direct Line: 605.722.4022, Cell: 605.641.0475*

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**Recommended Action:**  
*Informational.*

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**Public Comments—Chairperson Casey Peterson**

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Public comment request forms are to be submitted prior to the start of the meeting.

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**Board Comments—Chairperson Casey Peterson**

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1. Dr. Ani Aprahamian
2. Mr. Dana Dykhouse, Vice-Chairperson
3. Ms. Pat Lebrun, Secretary-Treasurer
4. Mr. Roger Musick
5. Mr. Casey Peterson, Chairperson
6. Mr. Ron Wheeler
7. Dr. Robert Wilson
8. Dr. Jim Rankin, Ex-officio member

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**Adjourn—Chairperson Casey Peterson**

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*See recommended motion below.*

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**Recommended Action:**  
*Motion to adjourn.*

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