

South Dakota Science and Technology Authority

**Board Meeting
September 18, 2018**



South Dakota Science and Technology Authority

630 East Summit Street
Lead, SD 57754

Call to Order—Chairperson Casey Peterson

1A. Call Roll

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

1B. Introduce guests

1C. Reminder request for public comment form (copies of form located on sign-in table)

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Public Comment Form

Full Name: _____

City of Residence: _____

General Subject Matter of Comments: _____

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**South Dakota Science and Technology Authority
September 18, 2018 Board Meeting**

Agenda Item: 02

Approve Agenda—Chairperson Casey Peterson

Attached is the agenda for the September 18, 2018 meeting.

Recommended Action:

Motion to approve agenda as presented.

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AGENDA
Meeting of the Board of Directors
Tuesday, September 18, 2018 at 8:00 AM (MT)
****Yates Education & Outreach Conference Room****

Public (Open) Session: 1-866-740-1260, Access Code: 7228650, www.readytalk.com

SDSTA Mission: *To advance compelling underground, multidisciplinary research in a safe work environment and to inspire and educate through science, technology and engineering.*

Title	Report	Recommendations
1. Call to order A. Call roll B. Introduce guests C. Reminder request for public comment form	-- Chair Casey Peterson	<i>Informational</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 18 and July 23, 2018 minutes as presented</i>
4. General conflict of interest disclosure	-- Mr. Tim Engel	<i>Informational</i>
5. Conflict of interest disclosure and waiver under SDCL CH. 3-23 A. Disclosure—Casey Peterson, James Rankin B. Waiver—Ron W. Wheeler	-- Mr. Tim Engel	<i>Informational</i> <i>Grant waiver or decline to grant waiver</i>
6. Approval of Consultant Contract No. 2013-35, Change Order No. 4	-- Mr. Mike Headley	<i>Motion to approve Ron Wheeler's SDSTA Contract No. 2013-35, Change Order No. 4 as presented</i>
7. Report from Audit Committee A. Internal Controls meeting and Preaudit meeting B. Appointment of new Audit Committee member	-- Ms. Pat Lebrun -- Chair Casey Peterson	<i>Informational</i>
8. Financial Report A. Financial statements B. FY end inventory listing C. FY end per diem listing	-- Mr. Mike Headley -- Ms. Nancy Geary	<i>Motion to accept report as presented</i>
9. Report from Executive Director A. Declaration of Surplus—camera B. SDSTA quarterly update C. SLHVC update D. LZ update	-- Mr. Mike Headley -- Ms. Donna Job -- Mr. Dave Taylor	<i>All informational</i> <i>Informational, see board packet</i> <i>Presentation</i> <i>Presentation</i> <i>Motion to accept executive director's report</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.

AGENDA
Meeting of the Board of Directors
Tuesday, September 18, 2018 at 8:00 AM (MT)
****Yates Education & Outreach Conference Room****

Public (Open) Session: 1-866-740-1260, Access Code: 7228650, www.readytalk.com

Title	Report	Recommendations
10. Approval of City of Lead Lease Agreement	-- Mr. Tim Engel	<i>Motion to approve Lease Agreement and Termination of Existing Lease between the SDSTA and City of Lead as presented and to authorize the SDSTA Chairperson to sign the Agreement</i>
11. SDSTA policies and procedures	-- Mr. Mike Headley	<i>Motion to approve new SDSTA-managed Social Media Policy as presented</i>
12. Executive session (closed meeting)	-- Chair Casey Peterson	<i>Motion to enter executive session to discuss personnel matters and to consult with legal counsel concerning legal and contractual matters</i>
13. Report from executive session	-- Chair Casey Peterson	<i>Motion to accept executive session report</i>
14. Confirm date and time of next meeting	-- Chair Casey Peterson	<i>Thursday, December 13, 2018 at 9:00am (MT) – catered lunch to follow</i>
15. Public comments		
16. Board comments		
17. Adjourn	-- Chair Casey Peterson	<i>Motion to adjourn</i>

**** Catered lunch to follow board meeting in E&O Conference Room ****

SDSTA Board Member Terms of Service, Committees and Schedule

Board Members and Terms of Service			
	Board Members	Appointed	Term Expires
1.	Dr. Ani Aprahamian	Re-appointed December 10, 2015	December 9, 2021
2.	Mr. Paul Christen	Re-appointed August 5, 2016	August 8, 2022
3.	Mr. Dana Dykhouse, Vice-Chair	Re-appointed August 1, 2014	August 14, 2020
4.	Ms. Patricia Lebrun, Secretary-Treasurer	Re-appointed August 5, 2016	August 8, 2022
5.	Mr. Casey Peterson, Chair	Re-appointed August 25, 2015	August 8, 2021
6.	Mr. Ron Wheeler, Vice-Chair	Re-appointed April 10, 2014	April 9, 2020
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	
Committees and Members (2018-2019)			
	Audit Committee Members:	Nominating Committee Members:	
	➤ Pat Lebrun-Chair	➤ Ani Aprahamian	
	➤ Paul Christen	➤ Dana Dykhouse	
	➤ Casey Peterson, <i>ex-officio</i>		

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AGENDA
Meeting of the Board of Directors
Tuesday, September 18, 2018 at 8:00 AM (MT)
****Yates Education & Outreach Conference Room****
Public (Open) Session: 1-866-740-1260, Access Code: 7228650, www.readytalk.com

2018 Board Schedule		
Thursday, March 29, 2018	8:00 am (MT)	E&O Bldg
<i>May 1, 2018</i>	<i>9:00 am (MT)</i>	<i>Special Telephonic</i>
Thursday, June 28, 2018	8:00 am (MT)	E&O Bldg
<i>July 23, 2018</i>	<i>2:00 pm (MT)</i>	<i>Special Telephonic</i>
Tuesday, September 18, 2018	8:00 am (MT)	E&O Bldg, lunch
Thursday, December 13, 2018	9:00 am (MT)	E&O Bldg, lunch

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Approve Minutes—Chairperson Casey Peterson

Attached are the Minutes for the following SDSTA Board meetings:

- June 18, 2018
- July 23, 2018 (telephonic)

Recommended Action:

Motion to approve the Minutes of the June 18 and July 23, 2018 meetings as presented.

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South Dakota Science and Technology Authority Board of Directors
Meeting Minutes
Thursday, June 28, 2018
Lead, South Dakota

The Board of Directors of the South Dakota Science and Technology Authority (SDSTA) convened at 8:04AM Mountain Time (MT) on Thursday, June 28, 2018, 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.

MEMBERS OF THE BOARD IN ATTENDANCE

Dr. Ani Aprahamian (in person)
Mr. Paul Christen (in person)
Vice Chairperson Dana Dykhouse (in person)
Secretary/Treasurer Patricia Lebrun (in person)
Chairperson Casey Peterson (in person)
Dr. James Rankin, ex-officio (by phone)
Vice Chairperson Ron Wheeler (in person)
Dr. Robert Wilson (by phone)

MEMBERS OF THE BOARD ABSENT

No absences.

SDSTA STAFF

Ms. Michele Baumann, Contracts Specialist
Mr. Tim Engel, Legal Counsel
Ms. Nancy Geary, Chief Financial Officer
Mr. Mike Headley, Executive Director
Ms. Sharon Hemmingson, Business Services and Contracts Manager
Ms. Mandy Knight, Administrative Services Manager
Mr. KC Russell, Cultural Diversity Coordinator
Ms. Constance Walter, Communications Director

ALSO PRESENT DURING ALL OR PART OF THE MEETING

Dr. June Apaza, Education and Outreach (E&O) Director (BHSU)
Ms. Julie Dahl, Science Education Specialist (BHSU)
Ms. Donna Job, Sanford Lab Homestake Visitor Center Executive Director
Dr. Peggy Norris, Education and Outreach Deputy Director (BHSU)
Mr. Alex Portal, Black Hills Pioneer Journalist

ITEM 1. CALL TO ORDER

Chairperson Casey Peterson called the meeting to order at 8:04 AM (MT). Roll call was held. All board members were present in person except Dr. James Rankin and Dr. Robert Wilson, who joined by phone.

Chair Peterson then asked audience members to introduce themselves.

He said if anyone from the audience has any questions they would like 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.

ITEM 2. APPROVE AGENDA

Chair Peterson asked if there were any modifications to the agenda besides moving the Davis Bahcall Scholar introductions under Item No. 9 based on their arrival time. Hearing none, Chair Peterson asked for a motion to approve the agenda.

Motion by Mr. Wheeler and second by Mr. Christen to approve the agenda as presented. Motion passed unanimously.

ITEM 3. APPROVE MINUTES

Chair Peterson asked for any comments on the Minutes of the March 29 and May 1, 2018 meetings. There were none.

Motion by Mr. Dykhouse and second by Ms. Lebrun to approve the Minutes of the March 29 and May 1, 2018 meetings as presented. Motion passed unanimously.

ITEM 4. CONFLICT OF INTEREST DISCLOSURE

SDSTA Legal Counsel Mr. Tim Engel said as discussed at past meetings, it has been a recommendation of the Board of Internal Control that a general conflicts of interest disclosure be included on public board agendas. Mr. Engel said, this is a chance for any member of the board, who feels they have anything that might be construed to be a conflict of interest, to disclose it.

Mr. Wheeler reminded the board that he does have a disclosable interest with his SDSTA contract as the External Affairs Director which was discussed at previous board meetings.

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

Mr. Engel said in regard to disclosures and waivers, he polled the board members and there were none. No action is required today. He said there may be at least one waiver at the September board meeting as mentioned in Item No. 4 by Mr. Wheeler.

ITEM 6. ADOPT BOARD OF INTERNAL CONTROLS MODEL POLICY

Mr. Engel reminded the board that a couple of years ago the Legislature created the state Board of Internal Control, and one of the charges of the Board was to adopt a standard form of Code of Conduct for boards and commissions. The final policy was adopted at their June 18, 2018 meeting. By state law, the SDSTA board is required to adopt it. Mr. Engel said he has reviewed it and there is no reason to revise it.

Mr. Engel said the policy restates the existing law concerning disclosures and waivers discussed at previous SDSTA board meetings. It also addresses harassment and treatment of whistleblowers and said the Code of Conduct is a requirement of state law that applies to this entity. Mr. Engel made a recommendation to adopt the Code of Conduct model policy as required by the state Board of Internal Control.

Mr. Engel clarified that the SDSTA's Employee Handbook has a Code of Conduct policy specific to employees, but the policy discussed today is specific to board members. It will also be included in the SDSTA Policies and Procedures Manual.

Motion by Mr. Wheeler and second by Mr. Dykhouse to adopt the Board of Internal Control model policy as presented. Motion passed unanimously.

ITEM 7. AUDIT COMMITTEE REPORT

ITEM 7A. Appoint Members to Audit Committee

Chairperson Peterson said he spoke to Ms. Lebrun and Mr. Christen, and they agreed to accept reappointment to serve on the Audit Committee with Ms. Lebrun continuing as the Chair. Chairperson Peterson voiced his appreciation of their continued service.

ITEM 7B. Annual Review of Audit Charter

Chairperson Peterson asked Ms. Lebrun if there was anything the Audit Committee needed to discuss. Ms. Lebrun replied that the Audit Committee reviews its Charter annually. She said Chair Peterson sent the committee a model audit charter and the committee has compared it to the SDSTA Audit Charter. She made the recommendation for Mr. Engel to review the SDSTA Audit Charter and verify compliance against the model charter also.

Mr. Engel said he would do be glad to do so and will include SDSTA Chief Financial Officer Ms. Nancy Geary and her team in the review. Mr. Engel said he is confident the SDSTA procedures comply but would also review the Audit Charter and provide an update to the board. Ms. Lebrun provided Mr. Engel a hard copy of the model audit charter.

In regard to an independent audit of the SDSTA internal control, Mr. Wheeler said he spoke to Ms. Geary recently and a Request for Proposal (RFP) would be issued in the next few months. Ms. Lebrun interjected that the audit of the SDSTA internal control will be done after the FY2018 Audit in September. Mr. Headley said the estimated cost for the independent audit is in the proposed budget.

Ms. Geary said she spoke with Fermilab's Internal Audit Department, and they shared information relevant to the RFP. She said they also mentioned the importance of keeping up-to-date policies and procedures. Ms. Geary said the SDSTA has a new accounting system, and her office is updating the new system procedures before the next audit.

Ms. Lebrun clarified that the board does not believe there are problems with the SDSTA policies and processes, but an independent internal control study will give the SDSTA a benchmark going forward and to achieve compliance with future needs.

ITEM 8. FINANCIAL REPORT

ITEM 8A. Financial Statements

Ms. Geary pointed out an adjustment on the Comparative Balance Sheet in the board packet (page 47 of 144). She said an incorrect formula was used for the Experiment Fund line and between May 31, 2017 and May 31, 2018, it shows it grew by \$2.4M but the correct amount is \$553,000.00. She said it increased because of a the \$1M receipt from the University of South Dakota Foundation; most of it was expended for the xenon purchases.

In regard to the SURF Services contract, Ms. Geary said the SDSTA is slightly over budget due to the Ross Shaft Rehabilitation crew move to the contract. This is short-term, and those individuals are expected to return to the Ross no later than September.

Chair Peterson asked if available cash is remaining steady and Ms. Geary replied yes.

ITEM 8B. Fiscal Year 2019 Budget

Ms. Geary then reviewed the FY2019 Budget line items in the board packet. Ms. Geary said the SDSTA-Operating budget is slightly lower than last year as the Executive Director's salary will be charged to indirect at the request of Fermilab. Ms. Geary continued through the line items and answered questions.

Mr. Headley pointed out that the FTE count will be higher. He said this is due to discussions with Fermilab and the Operating budget increasing and scope of work changing for the Long-Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE) construction activities. Also, Fermilab would like SDSTA to provide emergency response capabilities, which would mean an increase in emergency response members and security personnel.

Ms. Geary then discussed the federally-funded items and all other funding sources with a comparison between FY2018 and the proposed FY2019. It was noted that the SURF Operations Services budget proposal is \$19.9M but the full amount is not expected to be granted. The SURF Services Proposal will be submitted to Fermilab on July 5 and hopefully in place by October 1, 2018.

Ms. Geary reviewed the CAPEX budget and answered additional questions.

Mr. Wheeler proposed a combined motion to accept the financial summaries and approve the FY2019 Budget.

Motion by Mr. Wheeler and second by Ms. Dykhouse to accept the financial summaries and approve the Fiscal Year 2019 budget as presented. Motion passed unanimously.

ITEM 9. REPORT FROM THE EXECUTIVE DIRECTOR

ITEM 9B. Declaration of Surplus Property

Mr. Headley said he would like to go out of order in his report and start with the declaration of surplus property. He said the SDSTA has been preparing for construction and going through a number of areas on the property, identifying items no longer needed and itemizing surplus property. He noted the declaration presented identifies office furniture, a diesel generator, galvanized matting and lacing, and a dry ice machine.

ITEM 9A. SDSTA Quarterly Update

Mr. Headley then began with a slide presentation and discussed safety performance and said there have been two recordables for the year including one in May due to a trip that injured a shoulder.

He discussed some of the tasks SDSTA has accomplished, is currently doing and upcoming activities to enhance the Safety Program. He reviewed the following: Safety Assurance and Improvement Activities—Emergency Response X-Walk; Work Planning & Controls; Underground Access; Cranes & Hoisting Assessment; Below the Hook Devices Assessment; Site Wide Safety Inspection; 30 CFR Part 57.19000 X-Walk; ORM Regulatory Review; Fire Protection Assessment; and FRA–KA/JV–SDSTA - Project Interactions Work Shop.

Mr. Wheeler asked Mr. Headley if he would review the safety recommendations from the Environment, Safety and Health Oversight Committee (ESHOC), any action items and the progress the SDSTA is making at the next board meeting. Mr. Headley said he would.

Mr. Headley briefly reviewed the training and education curriculum matrix, and then discussed the Health and Wellness activities the Occupational Health Nurse Ms. Laura Baatz is helping with—Advanced First Aid Training; Functional Job Analysis; AED & CPR Training; Case Management; Heart Health Series (Deep Thoughts); and Fitness.

He said there are additional improvements that are coming up from a safety perspective which include the following: OSHA 30-hour; Badging Access System; LBNF/DUNE Emergency Support Services; Security, dispatch, SCADA-Control Facility; ESHQ-staff Enhancements; and Permit to Work System.

Mr. Headley said the SDSTA has had a relationship with the National Guard team at Ellsworth for some time, and last week an Emergency Response Exercise was performed with the SD and WY National Guard Civil Support Team (CST). It was a great training exercise.

Mr. Headley then provided status updates on: 1) Federal funding—FY2018 Appropriation: SURF \$15M, LBNF/DUNE \$95M, LZ \$14.1M and FY2019 Appropriation: House bill has \$175M for LBNF/DUNE; Senate has \$145M. Both bills have passed their respective chamber and await conference. 2) LZ Construction—Davis Campus construction started Jan 2018 with a completion date of July 9; LZ cryostat arrived May 14-leak testing performed; the LZ team is addressing a white residue found on inside of inner and outer cryostat vessels; xenon procurement remains on track- received 1060K of 1500K liters.

In regard to the other experiments, Mr. Headley discussed the following: 1) Majorana Demonstrator (MJD)—Detector operations continue; E-forming preparations continue in the Davis Campus (SURF Authorization completed); March 2018 paper published in Physical Review Letters documenting MJD exceeded background radiation reduction goals; Planning underway for LEGEND experiment – initially 200kg target at Gran Sasso in Italy. 2) Compact Accelerator System for Performing Astrophysical Research (CASPAR): $14\text{N}(p,\gamma)15\text{O}$ campaign resumed mid-May, energy down to ~260 keV. Additional collaborators from Notre Dame, ORNL; liquid scintillator detectors to monitor neutrons; Planning for a new campaign in July is underway. 3) EGS/SIGMA-V—Enhanced Geothermal Systems project performing hydrofracturing and fluid flow in controlled testbed at 4850L; Eight 60-m drill holes (and associated core) completed in 2017; Fractures initiated, and water successfully flowed between holes in May while monitoring with considerable array of instruments; Preparations advancing for characterizing fracture using chemical tracers.

Mr. Headley reviewed the Ross Shaft safety enhancements: 1) Slack Rope Response System—System delivered to SURF on May 14; Installation completed on June 8; Commissioning occurred June 12-14; Final system acceptance completed. 2) Dogging System—Fabrication underway; Drop test planned for July 25; Delivery planned for early August. 3) Headframe structural strengthening—Design completed; KAJV to perform construction this fall.

In regard to the Far Site scope timeline, Mr. Headley discussed the following: 1) Sanford Lab Reliability Projects (2016–2020)—Ross Shaft rehabilitation: Hoist work; Oro Hondo Fan; New cage and skips; Refuge Chamber; Pre-Excavation (2018–2020)—Rock handling systems; Headframe Reinforcement. 2) Excavation & Infrastructure 2020–2023. 3) Cryostats/Cryogenic Systems and Detectors 2022–2030. 4) Detector Operation 2026+.

Mr. Hedley said upcoming work includes the following: 1) Ross Shaft rehabilitation is ongoing—A new electrical drive for the Oro Hondo Fan near Kirk Road is being ordered; New electrical drives, brakes, and clutches are being ordered for both Ross Hoists; The motors for the Ross Hoists are planned to be rebuilt. 2) Pre-bid site visits were held by KAJV May 21-25, with focus on: Headframe reinforcement; Electrical substation and distribution; Crusher rehabilitation; Miscellaneous site preparation; Various support services (trash, sanitary, surveying, etc.). 3) KAJV is also developing proposals for self-performing: tramway rehabilitation; and underground rock handling

In regard to the conveyor, Mr. Headley said LBNF is working with KAJV to evaluate technical improvements which has slightly delayed the project. He said the public visibility is not significantly different and it still will follow the old route with a short tunnel excavation, trestle over the highway and a cut through berm into the Open Cut.

Other LBNF updates: 1) Designing additional office space for Fermilab team at Ross Dry—FRA considering leasing small corporate office in the City of Lead. 2) KAJV will also be looking to lease office space in Lead. 3) Hiring additional positions (construction coordinators, logistics coordinator, procurement administrator, administrative assistant); Expecting to have 10 full time FRA people for LBNF in Lead by year end. 4) A new Fermilab division called the “South Dakota Services Division” has been established to integrate all Fermilab Activities at the Sanford Lab. The new Division Head Mr. Patrick Weber has started.

In regard to cultural activities, Mr. Headley reviewed the following: 1) The Cultural Advisory Committee (CAC) met on June 27 and received very positive feedback from the members. 2) Cultural Orientation video has been well received and is mandatory training for all employees, visitors, users and contractors. 3) As of May 2018 STARBASE NOVA Honor (Tribal outreach West River) and NOVA Courage (Tribal outreach East River) have conducted 66 academies in 2018 and taught 1,486 Tribal students. Thirty-six academies (825 students) have been held in Rapid City serving a large number of Native American students. 4) The 9th Annual Nerd Ceremony was held at the SDSM&T. Five Tiospaye Senior Native American Scholars were honored having completed all the science and math requirement for their Engineering degrees. 5) A prospective CAC member was interviewed to replace Ms. Molly Hall-Martin who has taken a position in Iowa. 6) A grant was obtained for West River STARBASE students to visit the Journey Museum’s Dome display for study of the universe.

In conclusion, Mr. Headley announced Neutrino Day X (its 10th Anniversary) on Saturday, July 14, 2018, and encouraged board members to inform their friends and family to attend.

ITEM 9C. South Dakota National Guard Facility Project Update

Mr. Headley introduced SDSTA Contracts Specialist Ms. Michele Baumann. She gave a slide presentation and said the project being discussed started a few weeks ago in cooperation with the National Guard Golden Coyote program. The National Guard program started in 1984 and provides learning opportunities for National Guard soldiers.

She said the National Guard training involved two teams: Horizontal Team (842nd Engineer Company)—trained and provided road work and included 34 soldiers and 2 medic soldiers; and Vertical Team (155th Engineer Company)—trained and provided construction work and included 44 soldiers. This year, the teams worked on the following projects: Maintenance roadway from the shop yard down to the WWTP; Roadway from WWTP to Park Avenue; Hauling/delivery of road base; Fish House at WWTP; Effluent Building at WWTP; Old High Building; Yates Crusher Room (Office); and Administration Building identifying circuit panels.

Ms. Baumann said the Assistant Adjutant General visited with the troops and awarded three medals for the work that was completed.

She noted the project team included SDSTA Surface Operations Foreman Dan Regan, herself, SDSTA WWTP Foreman Ken Noren and Golden Coyote Engineer Projects NCOIC (SDNG) CSM Michael O. Shay. Materials used for the projects included the following: Barrick Corporation donated 2,380 tons of road base; National Guard transported 320 tons road base to Barrick; SDSTA materials and supplies were \$4,888.97. Equipment and labor included 200 Hours of SDSTA Administrative and SDNG included 55 pieces of heavy construction equipment and 2,132 labor hours.

Ms. Baumann concluded that SDSTA will continue partnering with the SDNG/Golden Coyote Program and that there is a two-year contract with the SDNG. She said the Vertical Team will continue throughout the year with various building and infrastructure projects. The Horizontal Team will return and haul gravel and various other work. She said it has been a fun project to work on and a great

relationship has been built with the National Guard and they are appreciative of the opportunity to train their staff.

Mr. Headley said Ms. Baumann and Mr. Regan have done a great job with this project.

ITEM 9D. Education & Outreach (E&O) Update and Davis Bahcall Scholar Introductions

Mr. Headley introduced E&O Director Dr. June Apaza, who began her presentation by recapping the school year–September 2017 through the end of May 2018 and the number of K-12 students that were served: 10,192 and included curriculum units-2,327; Classroom presentations-6,214; Field trips-796; Other-855

Dr. Apaza reviewed the 2018 projects that were completed: 1) A high school unit, *It's Electric*, was developed, field tested and revised. 2) An online professional development class was developed and offered to 30 teachers during the spring semester. 3) A new geology field trip was developed and used extensively during the spring field trip season. 4) A new field trip, *Needle in a Haystack*, about shielding, was piloted during the spring field trip season. 5) A new K-2 unit, "*As a Matter of Fact*" was drafted and share for the first time at the summer teacher workshop. Pilot and revisions of that unit will happen in the fall. 6) A new "radiation" trip was developed and tested with a few groups this spring. Final revisions of that field trip will happen this summer. 7) Revision were made to the *StarStuff* unit. Some of the revisions were based on feedback, and others were based on new scientific discoveries. 8) A new web-based middle school performance task was developed, piloted and revised. 9) Visited eight teachers this year to provide additional classroom support to the teachers during the implementation of curriculum units.

She also discussed 2019 projects that are being planned: 1) Complete the K-2 unit, *As a Matter of Fact*. Teacher pilots and final revision still need to be completed. 2) Develop a new K-2 unit based on the life science and the earth/space standards. 3) Develop a new grades 3-5 unit based on the life science and the earth/space standards. 4) Develop a mini-unit about neutrinos. This will be an upper elementary and middle school unit that can be used as an introduction or follow-up on one of the existing units. 5) Develop a new elementary school presentation with the topic still to be determined. 6) Develop a new middle school presentation about geothermal energy. 7) Develop a new high school presentation about the water issues related to Sanford Lab. 8) Revise and offer the online professional development class to teachers across South Dakota. 9) Complete revision of *Seismic Science*, *May the Force be with You*, and *Exploring the Unseen* units.

Dr. Apaza concluded her report by stating she has copies of brief descriptions of all the curriculum units and if any of the board members are interested she could get them copies.

Chair Peterson asked how many students reached out to by the E&O Department visit the Sanford Lab Homestake Visitor Center? Dr. Apaza said those numbers are not specifically tracked.

Dr. Aprahamian commented that she is very impressed with the E&O program.

In conclusion, Mr. Headley announced that Dr. Apaza will be retiring at the end of this calendar year and they are actively looking to backfill the position.

Before making a motion to accept the executive director's report, Mr. Engel said at the last board meeting, Chair Peterson had asked about changes in document retention as it relates to SB100. He said most of the SB100 is not relevant to SDSTA and the SDSTA has a Records and Retention Policy and complies with the policy.

Motion by Ms. Wheeler and second by Ms. Lebrun to accept the executive director's report as presented. Motion passed unanimously

The board recessed for break at 9:24am and reconvened at 9:41am.

ITEM 10. APPROVAL OF LEASE FOR CITY OF LEAD MAINTENANCE SHOP

Mr. Headley said when the SDSTA took ownership of the Ellison Hill property, it included an existing lease between Homestake and the City of Lead for the city maintenance shop. He and Mr. Engel have been working with the City of Lead to develop a new lease to accurately reflect the work operations in that area as well as the SDSTA's expectations for storm water controls.

Mr. Christen asked if the lease is in perpetuity, and Mr. Headley replied that as a defined plan is developed on Ellison Hill for access way, the lease will need to be amended; the City of Lead is aware. He said the SDSTA is committing to a two-year base.

Mr. Engel interjected the existing Homestake lease the SDSTA inherited required Homestake to pay the City of Lead relocation compensation—that has been removed from the new lease. It was also noted that before the final agreement is sent to the City of Lead and the City Commission for approval, the word "Tenant" on some pages in the agreement will need to be replaced with the correction "City of Lead" and Mr. Engel will make those corrections.

Motion by Mr. Wheeler and second by and Mr. Dykhouse to approve the Lease as presented, to authorize the Chairperson, in consultation with the Executive Director and Legal Counsel, to negotiate the final terms of the Lease and to authorize the Chairperson to execute the final version of the Lease. Motion passed unanimously.

Chair Peterson noted that the agreement reads the landlord pays real estate taxes but noted to the board that SDSTA does not pay real estate taxes. He also asked who is designated as the landlord representative if there are modifications to the agreement. Mr. Engel said that person has not been specifically designated but it would be Mr. Headley.

ITEM 11. APPROVAL OF FY2019 OFFICE OF RISK MANAGEMENT INTERGOVERNMENTAL AGREEMENT

Mr. Headley said the agreement is reviewed and updated annually and there is nothing substantive to the changes in the FY2019 Office of Risk Management Intergovernmental Agreement. However, major changes are addressed in Appendix A, which came about from feedback received from various safety reviews. He said the Codes and Standard listed were general and those have been tightened up as well as requirements and specific regulations that are applicable to Sanford Lab.

Chair Peterson asked if there were any comments or questions. There were none.

Motion by Mr. Dykhouse and second by Mr. Christen to approve the FY2019 Intergovernmental Agreement between the Bureau of Administration, Office of Risk Management of the State of South Dakota and SDSTA, and to authorize the SDSTA Executive Director to sign the agreement. The motion passed unanimously.

ITEM 12. POLICIES AND PROCEDURES

ITEM 12A. Annual Review of Policies and Procedures

Mr. Headley said there a few new and updated policies for board approval and briefly discussed the following: new Public Comment Period policy, updated Holidays policy, updated Personnel Benefits policy, new Reimbursement of Goods and Services Policy and new Photography and Video Policy. (Mr. Engel has reviewed all of the new and updated policies).

Motion by Mr. Christen and second by Mr. Wheeler to approve the new and updated policies as presented. The motion passed unanimously.

ITEM 12B. Sign Annual Statements

Chair Peterson reminded board members to sign the annual statement affirming compliance with SDSTA Financial Conflict of Interest Policy and return to Administrative Services Manager Ms. Mandy Knight.

ITEM 13. EXECUTIVE SESSION

Motion by Dr. Aprahamian and second Mr. Dykhouse to enter into executive session to discuss personnel matters and to consult with legal counsel concerning legal and contractual matters. Motion passed unanimously.

The board entered into executive session at 9:49 AM and reconvened in open session at 10:21 AM.

ITEM 14. REPORT FROM EXECUTIVE SESSION

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

Motion by Mr. Wheeler and second by Mr. Dykhouse to approve the executive session report. Motion passed unanimously.

Dr. Rankin left the meeting at 10:23am.

Item No. 9 was revisited, and Science Education Specialist Ms. Julie Dahl introduced the 2018 Davis Bahcall scholars to the board. Dr. Cynthia Anderson, the Davis Bahcall Scholars program coordinator, stated that the time spent has been an enriching experience not only for the scholars but for her. Dr. Apaza then asked each scholar to state their name, where they are from and what studies they are interested in: 1) Lauren Schild-Yankton, SD, 2) Courtney Miller-Mitchell, SD, 3) Zachary Hoopman-Douglas, WY, 4) Hannah Neumiller-Spearfish, SD, 5) Gabriel Spahn-Rapid City, SD 6) Samantha King-Sioux Falls, SD 7) Grace Jones-Lead, SD and 8) Roberto Penaloza Valencia-Elkton, SD.

ITEM 15. MOTION TO APPROVE MEMORANDUM OF UNDERSTANDING

Mr. Headley said the MOU establishes an overarching agreement between the Fermi Research Alliance, LLC (FRA) and SDSTA and asked if the board had any questions. There were none.

Motion by Mr. Wheeler and second by Dr. Aprahamian to approve Memorandum of Understanding with Fermi Research Alliance, LLC, and to authorize the SDSTA Executive Director, in consultation with the Chairperson and Legal Counsel, to finalize the terms of the MOU and for the Executive Director to sign it. Motion passed unanimously.

ITEM 16. REPORT FROM NOMINATING COMMITTEE

Mr. Dykhouse reported that he and Dr. Aprahamian, comprising the Nominating Committee, teleconferenced on May 31 to discuss nominations. Mr. Dykhouse proposed the same officers as in the past. The following slate of officers were nominated for the fiscal year beginning July 1, 2018:

Chairperson: Mr. Casey Peterson

Vice-Chairperson: Mr. Dana Dykhouse

Vice-Chairperson: Mr. Ron Wheeler

Secretary Treasurer: Ms. Patricia Lebrun

ITEM 17. ELECT OFFICERS

Chairperson Peterson asked if there were nominations from the floor. There were none and following the prescribed election procedure a motion was made.

Motion by Mr. Dykhouse and second by Dr. Aprahamian to accept the report from the nominating committee and to elect the slate of officers as presented. Motion passed unanimously.

ITEM 18. CONFIRM DATE AND TIME OF NEXT MEETING

Chairperson Peterson asked if anyone had concerns with the next board meeting scheduled for Tuesday, September 18 at 8:00 AM (MT).

Ms. Lebrun said she will be absent. Mr. Dykhouse and Dr. Aprahamian said they will call in.

ITEM 19. PUBLIC COMMENTS

Chairperson Peterson announced he did not receive any public comment request forms. No one from the audience asked any questions.

ITEM 20. BOARD COMMENTS

Dr. Wilson said things seem to be moving along very well. He said the interim design report for DUNE should go out in the next two weeks, which is a technical summary of the detector. He congratulated the SDSTA staff for a job well done.

Mr. Dykhouse said the National Guard training is a nice partnership with many benefits. He commented later that the last two governors have supported the lab and asked if the lab has reached out to the candidates currently running? Chair Peterson, Mr. Wheeler and Mr. Headley all commented that they have had good outreach with candidates and their staff.

Dr. Aprahamian said she was happy to attend the board meeting in person this time and is delighted how things are going at the lab. She was also pleased to see how DOE reacted to the SURF project and believes the project is heading in the right direction.

Mr. Wheeler complimented Dr. Apaza for the work she has done. He said he also appreciates the coordination work with National Guard by Ms. Baumann and others. He thanked Mr. Headley and the staff for the work they are doing.

Mr. Christen said he is impressed with the E&O program and the number of students the lab is reaching in the state. He also thanked Mr. Engel for finding a way out of the issues that have arisen. He said he feels everything is going well and the project is making good progress.

Mr. Engel thanked the board and said we will help keep the project moving ahead.

Ms. Lebrun said she is amazed at all the progress that has been made. She said just a few years ago, the SDSTA faced some tough issues and it is remarkable how the lab has pulled through. She said she attended the CAC meeting and it went 'swimmingly' well. She thanked Dr. Apaza, her team and Mr. Russell. She said she sees progress everywhere she looks, and it is thrilling and heartwarming.

Mr. Headley thanked the board and said there are several issues the lab is working on and it is great knowing the board has his and Mr. Engel's backs—he appreciates their support. He also thanked Ms. Knight for providing administrative support and keeping the SDSTA Board organized.

Chair Peterson said he appreciates the board members as well as being nominated as Chair once again. He echoed Ms. Lebrun's comments and said the lab has grown. He said the SDSTA has a great legal counsel, executive director and staff. He also said the lab has great support from DOE as well as Mr. Patrick Weber (South Dakota Services Division Head). He said the project continues to get better with increased institutional knowledge. He thanked Ms. Knight for organizing the board meeting, Dr. Apaza for all the education outreach, Mr. Russell for his cultural outreach and Ms. Walter for her communication outreach to the world.

ITEM 21. ADJOURN

Chairperson Peterson asked if anyone had any other questions or comments, then called for a motion to adjourn.

Motion by Mr. Dykhouse and second by Ms. Lebrun to adjourn. Motion passed unanimously.

Meeting adjourned at 10:43 AM.

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**South Dakota Science and Technology Authority Board of Directors
Special Telephonic Meeting Minutes
Monday, July 23, 2018
Lead, South Dakota**

The Board of Directors of the South Dakota Science and Technology Authority (SDSTA) convened at 2:00 p.m. Mountain Time (MT) on Monday, July 23, 2018, via teleconference. Listening posts for the public were established at the office of the SDSTA at 630 E. Summit Street, Lead, South Dakota, and at the Dolly-Reed Plaza in the Treehouse conference room, 711 East Wells Avenue, Pierre, South Dakota.

MEMBERS OF THE BOARD IN ATTENDANCE BY TELEPHONE

Mr. Paul Christen
Secretary/Treasurer Patricia Lebrun
Chairperson Casey Peterson
Vice-Chairperson Ron Wheeler
Dr. Robert Wilson

MEMBERS OF THE BOARD ABSENT

Dr. Ani Aprahamian
Vice-Chairperson Dana Dykhouse
Dr. Jim Rankin

SDSTA STAFF IN ATTENDANCE

Mr. Tim Engel, Legal Counsel (by phone)
Ms. Nancy Geary, Chief Financial Officer
Mr. Mike Headley, Executive Director (by phone)
Ms. Mandy Knight, Administrative Services Manager
Ms. Connie Walter, Communications Director

ALSO PRESENT DURING ALL OR PART OF THE MEETING

Mr. Bob Mercer, KELOLAND Media Group Journalist

ITEM 1. CALL TO ORDER

Chair Peterson called the meeting to order at 2:00 p.m. (MT). Chair Peterson declared a quorum was present, consisting of board members Mr. Paul Christen, Ms. Pat Lebrun, Chairperson Casey Peterson, Vice-Chair Ron Wheeler and Dr. Bob Wilson. Those absent were Dr. Ani Aprahamian, Vice-Chair Dana Dykhouse and Dr. Jim Rankin.

Chair Peterson asked participants at the listening posts in Pierre and Lead to identify themselves. Journalist Mr. Bob Mercer announced he was at the Pierre listening post. SDSTA staff listed above were present at the Lead office, except SDSTA Legal Counsel Mr. Tim Engel and Executive Director Mike Headley who joined by phone.

ITEM 2. APPROVE AGENDA

Chair Peterson asked for a motion to approve the agenda.

Motion by Mr. Wheeler and second by Ms. Lebrun to approve the agenda as presented. By roll call vote, the motion passed unanimously.

ITEM 3. EXECUTIVE SESSION

Motion by Ms. Lebrun and second by Mr. Christen to enter into executive session to discuss personnel matters and to consult with legal counsel concerning contractual matters. Motion passed unanimously by roll call vote.

The board entered into Executive Session at 2:06 p.m. and reconvened in open session at 2:34 p.m.

ITEM 4. REPORT FROM EXECUTIVE SESSION

Board members announced themselves as they re-joined open session by phone and Chair Peterson declared a quorum was present.

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

Motion by Mr. Wheeler and second by Mr. Christen to approve the executive session report. By roll call vote, the motion passed unanimously.

ITEM 5. APPROVAL TO PROCURE AND FINANCE GENERAL LIABILITY INSURANCE FOR LBNF

Motion by Ms. Lebrun and second by Mr. Wheeler to authorize Executive Director to bind coverage and financing under reasonable terms and conditions, if necessary, for an additional \$25,000,000.00 of the premium for general liability insurance for the Long Baseline Neutrino Facility, as will be presented.

SDSTA Legal Counsel Mr. Tim Engel provided a summary and reminded the Board the PDA requires that the “Homestake Indemnified Parties” be named additional insureds on commercial general liability insurance with limits of no less than \$75 million.

He said, during a prior special meeting, the Board authorized the purchase (and financing of the premium) of a new \$75 million “tower” of commercial insurance to insure against Long Baseline Neutrino Facility/Deep Underground Neutrino Experiment (LBNF/DUNE)-related exposures as required by the Property Donation Agreement (“PDA”). The Captive continues to insure all other exposures.

In addition, most if not all contracts the SDSTA enters into with funding agencies, project sponsors and the grantors of easements require SDSTA to name the other party to the contract as an “additional insured.” He said, it is not possible to include the non-Homestake additional insureds in the \$75 million limits because doing so “dilutes” the \$75 million of limits which SDSTA is contractually obligated to provide for Homestake.

As proposed in the above draft motion, the proposal is to purchase an additional \$25 million on top of the \$75 million which will help protect SDSTA in the event of a loss and indemnification claim related to the Open Cut and related rock conveyor easements and contracts with Fermi Research Alliance LLC (FRA).

Mr. Engel said the premium for the \$25 million of additional limits is \$180,000.00 for the coverage period August 1, 2018 to August 1, 2023. That calculates out to \$1,440.00/\$1,000,000.00 of coverage per year. He said he inquired about the cost of financing the premium over five years and will provide that additional information when it becomes available. He said if the premium is financed, the annual cost will be \$1,440.00/\$1,000,000.00 plus finance charges after the down payment the first year. It was noted the source of funds is federal funds and will flow through FRA.

Mr. Engel then asked if there were questions.

Chair Peterson asked what would happen if there is an additional contract that needs to be added and if it would require a new policy?

Mr. Engel said if the additional contract is not LBNF/DUNE-related, SDSTA may be able to purchase from the Captive. If it is LBNF/DUNE-related and there have not been any substantial claims, he hoped SDSTA could add additional limits to this policy. He noted, the \$25 million allows some flexibility to possibly add a few contracts under this policy.

Ms. Lebrun asked if there was a need for additional coverage, would it need to be re-bid with other insurance companies or could the SDSTA go with the same insurance company? Mr. Engel replied that if additional limits are required, it would most likely be significantly cheaper to go with same company because it is not first dollar coverage.

Mr. Wheeler asked if any additional cost is incurred to comply with the PDA, will the SDSTA be reimbursed by FRA? Mr. Engel said yes, and Mr. Headley concurred with that statement.

In conclusion, Chair Peterson asked if there were further questions. There were none.

By roll call vote, the motion passed unanimously.

ITEM 6. PUBLIC COMMENTS

Chairperson Peterson asked if there were any questions or comments from the public. There were none.

Ms. Lebrun commented that this is an important step to help move along the LBNF/DUNE project. Chair Peterson concurred.

ITEM 7. ADJOURN

Chair Peterson reminded board members the next regularly scheduled board meeting will be held on Tuesday, September 18 at 8:00 a.m. (MT) in the Education and Outreach Building and called for a motion to adjourn.

Motion by Mr. Christen and second by Ms. Lebrun to adjourn. By roll call vote, the motion passed unanimously.

Meeting adjourned at 2:44 p.m. (MT) on July 23, 2018.

Conflict of Interest Disclosure—Mr. Tim Engel

Recommended Action:
Informational.

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Conflict of Interest Disclosure and Waiver Under SDCL Ch. 3-23—Mr. Tim Engel

Attached are completed conflict of interest disclosures and waiver under SDCL CH. 3-23.

5A. Disclosures—Casey Peterson, James Rankin

5B. Waiver—Ron W. Wheeler

Recommended Action:

5A. Informational.

5B. Ron Wheeler – motion to grant waiver or decline to grant waiver

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

THIS IS A PUBLIC DOCUMENT

Name of Member: Casey C. Peterson

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
1.			

2. **Contracts in which you have a direct benefit pursuant to SDCL Chapter 3-23** - Provide the following for each 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
1.			

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
1. accounting/auditing services	Casey Peterson, LTD	South Dakota Ellsworth Development Authority
2. accounting/auditing services	Casey Peterson, LTD	City of Box Elder
3. accounting/auditing services	Casey Peterson, LTD	City of Wall
4. accounting/auditing services	Casey Peterson, LTD	City of Summerset
5. accounting/auditing services	Casey Peterson, LTD	Town of Hermosa
6. accounting/auditing services	Casey Peterson, LTD	Haakon School District
7. accounting/auditing services	Casey Peterson, LTD	Wall School District
8. accounting/auditing services	Casey Peterson, LTD	Hot Springs School District
9. accounting/auditing services	Casey Peterson, LTD	Harding County School District

10. accounting/auditing services	Casey Peterson, LTD	Rapid City Area School District
11. accounting/auditing services	Casey Peterson, LTD	Meade School District
12. accounting/auditing services	Casey Peterson, LTD	Custer School District
13. accounting/auditing services	Casey Peterson, LTD	Hill City School District
14. accounting/auditing services	Casey Peterson, LTD	Oelrichs School District
15. accounting/auditing services	Casey Peterson, LTD	Black Hills Special Services Cooperative
16. accounting/auditing services	Casey Peterson, LTD	Belle Fourche Irrigation District
17. accounting/auditing services	Casey Peterson, LTD	Black Hills State University Foundation
18. accounting/auditing services	Casey Peterson, LTD	Green Valley Sanitary District
19. accounting/auditing services	Casey Peterson, LTD	Pennington County Housing and Redevelopment Commission
20. accounting/auditing services	Casey Peterson, LTD	City of Piedmont
21. accounting/auditing services	Casey Peterson, LTD	City of Pierre
22. accounting/auditing services	Casey Peterson, LTD	Battle Creek Fire District
23. accounting/auditing services	Casey Peterson, LTD	Black Hawk Water User District
24. accounting/auditing services	Casey Peterson, LTD	Black Hills Educational Benefits Cooperative
25. accounting/auditing services	Casey Peterson, LTD	Butte-Meade Sanitary Water District
26. accounting/auditing services	Casey Peterson, LTD	Yellow Jacket Foundation

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: 2-15-18

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

THIS IS A PUBLIC DOCUMENT

Name of Member: Jim M. Rankin

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
1. General Services Agreement for the CASPAR Collaboration	South Dakota School of Mines and Technology and South Dakota Science and Technology Authority	Employee of South Dakota Board of Regents/South Dakota School of Mines and Technology	N/A
2. Letter of Agreement – Black Hills State University and South Dakota Science and Technology Authority	Black Hills State University and South Dakota Science and Technology Authority	Employee of South Dakota Board of Regents/South Dakota School of Mines and Technology	N/A

2. **Contracts in which you have a direct benefit pursuant to SDCL Chapter 3-23** - Provide the following for each 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
1.			

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
1.		

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: 8-15-18

JIM M. RANKIN

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STATE OF SOUTH DAKOTA
SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY

REQUEST FOR STATE BOARD WAIVER
PURSUANT TO SDCL CHAPTER 3-23

THIS IS A PUBLIC DOCUMENT

Date: _____

Name of Board Member or Former Board Member: Ron W. Wheeler

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

Brief explanation of contract for which a waiver is requested:

a) Parties to the contract

South Dakota Science and Technology Authority and Ron W. Wheeler

b) Board Member's role in the contract

Direct party to contract - consultant

c) Purpose and objective of the contract

Mr. Wheeler will act as a governmental and external affairs consultant. He will assist the Authority with communications with the federal and state governments and the Authority's contracting partners. He will also assist with private fundraising efforts.

d) Consideration or benefit conferred or agreed to be conferred upon each party:

The Authority will be provided the services described above. Mr. Wheeler will be paid \$4,000.00 per month plus expenses.

e) Duration of the contract

Signature of Requesting Party:  Date 8/23/18
RON W. WHEELER

STATE OF SOUTH DAKOTA
SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY
STATE BOARD DISCLOSURE LAWS
WAIVER AUTHORIZATION
PURSUANT TO SDCL 3-23 (current member)

THIS IS A PUBLIC DOCUMENT

A written request for waiver dated 8/23/18, was received from

Ron W. Wheeler. The request was acted upon by the members of the South Dakota Science and Technology Authority (insert name of board/commission/authority) during a meeting held on September 18, 2018.

(Check one)

The request for waiver was denied for the following reasons:

The request for waiver was authorized for the following reasons:

Mr. Wheeler is experienced and otherwise well-qualified for the position. The cost is reasonable. The terms of the contract are fair, reasonable, and not contrary to the public interest.

The request for waiver was authorized subject to the following conditions:

Signature of Chairperson or Authorized Member

Date

Printed Name: Casey C. Peterson, Chairman of the Board

Date send to Auditor General: _____

Date sent to Attorney General: _____

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
1.			

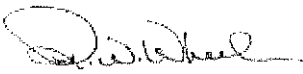
2. **Contracts in which you have a direct benefit pursuant to SDCL Chapter 3-23** - Provide the following for each contract from which you derive, or will derive, a direct benefit. For more information see SDCL 3-23-2, 3-23-2.2 and 3-23-3.1.

Description of the contract	Parties	Description of the direct benefit	Date contract was authorized
1. Governmental and External Affairs Consultant	Ron W. Wheeler South Dakota Science and Technology Authority	Mr. Wheeler is a party to the contract and will be paid a fee.	September 18, 2018

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
1.		

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: _____
 8/23/18

RON W. WHEELER

Approval of Consultant Contract—Mr. Mike Headley

Attached is Mr. Ron Wheeler's SDSTA Consultant Contract No. 2013-35, Change Order No. 4, as presented.

Recommended Action:

Motion to approved Mr. Ron Wheeler's SDSTA Consultant Contract No. 2013-35, Change Order No. 4, as presented.

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SOUTH DAKOTA SCIENCE AND TECHNOLOGY AUTHORITY
Change Order #4

CONSULTANT:
Ron W. Wheeler
2905 Pennsylvania Drive
Denton, TX 76205

PROJECT: Governmental and External Affairs Consultant
SDSTA Contract #2013-35
Original Contract Amount: \$275,000.00
Original Contract Date: 12/20/2013

The Consultant and the SDSTA do hereby agree to the following changes associated with the above referenced agreement.

4. Compensation, Not to Exceed: For continued performance of the Work described on Exhibit C, compensation will change from monthly installments of \$5,000.00 to monthly installments of **\$4,000.00** beginning January 16, 2019 through January 15, 2022.

6. Contract Term –The Contract Term is hereby extended to **January 15, 2020**.

It is hereby understood that the provisions of the contract (including previous modifications) will not be otherwise changed or affected by this order.

This Change Order is effective **August 14, 2018**.

ACCEPTED BY:

RON W. WHEELER

**SOUTH DAKOTA SCIENCE AND
TECHNOLOGY AUTHORITY**

Ron W. Wheeler
Consultant

Date

Casey Peterson
SDSTA Board Chairperson

Date

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Report from Audit Committee—Ms. Pat Lebrun

Audit Committee Report:

- 7A. Update on Internal Controls meeting with legal counsel and a separate pre-audit meeting on September 6—teleconference minutes attached.
- 7B. Appointment of new Audit Committee member by Chair.

Recommended Action:
Informational.

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SDSTA Audit Committee Meeting

September 6, 2018

Participants:

Ms. Pat Lebrun, SDSTA Board of Director and Audit Committee Chair
Mr. Paul Christen, SDSTA Board of Director and Audit Committee Member
Mr. Al Schaefer, SD Department of Legislative Audit, Auditor-in-Charge
Ms. Nancy Geary, SDSTA Chief Financial Officer

A pre-audit teleconference was held September 6 with discussions on the following:

1. Greetings were exchanged, and discussions were held concerning the upcoming FY2018 audit. Mr. Schaefer noted that this year's audit would not be a full Uniform Guidance Audit as last year's audit. This year's scope would entail primarily looking at our indirect cost rate and calculations, allowable costs and proper classification of costs.
2. Mr. Schaefer noted his hourly rate for FY2019 has not been issued yet, but that the rate would be close to the FY2018 rate of \$67.00/hour with a possible small increase to \$69.00/hour. Additionally, Mr. Schaefer will have help from Paul Mitchell with the State in order to complete the audit in a timely fashion. The audit will start on September 10. Hopefully it would be completed by early October in time to issue the report by October 12 to the State for their deadline to include our report in the State Comprehensive Annual Financial Report (CAFR).
3. Mr. Schaefer asked if anyone had any concerns or if there was any suspected or known fraud. Ms. Lebrun and Mr. Christen noted no concerns or suspected fraud. If the Board has any issues or concerns, Mr. Schaefer can be contacted at his email, Al.Schaefer@state.sd.us or he can be reached at the SDSTA location, (605) 722-8650.
4. Discussion continued concerning the contract held with Lighthouse Services and the website available to employees to report concerns of suspected fraud. Ms. Lebrun noted that the monthly reports from the system do not include any issues. The Lighthouse Services website is listed in the SDSTA Policies and Procedures Manual under Section 3, "Code of Business Ethics and Conduct Procedure". Ms. Lebrun suggested that the Audit Committee periodically report on the website monthly information in future Board Meetings.

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Financial Report—Mr. Mike Headley

Financial Report:

- 8A. Financial Summaries for August 2018—Financial summaries to be submitted to board on Sep 12, 2018.
- 8B. Fiscal Year End Inventory Listing, attached.
- 8C. Fiscal Year End Per Diem Listing, attached.

Recommended Action:

Motion to accept the Financial Report as presented.

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PLACE HOLDER FOR FINANCIAL SUMMARIES...TO BE SENT ON 9/12/18

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SD Science and Technology Authority
Consolidated Report 6/30/18
Inventory of Supplies

<u>Inventory of Supplies</u>	<u>Balance 6/30/2015</u>	<u>Additions</u> <u>2016</u>	<u>Deletions 2016</u>	<u>Balance 2016</u>	<u>Additions</u> <u>2017</u>	<u>Deletions</u> <u>2017</u>	<u>Balance 2017</u>	<u>Additions 2018</u>	<u>Deletions</u> <u>2018</u>	<u>Balance 2018</u>
Foundry Motors/Tuggers/Switches/Skips	\$ 779,000.00			\$ 779,000.00			\$ 779,000.00			\$ 779,000.00
Transformers in Foundry	\$ 94,346.30			\$ 94,346.30			\$ 94,346.30			\$ 94,346.30
Transformers in Machine Shop	\$ 114,650.00			\$ 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			\$ 23,975.00
Ropes	\$ 9,842.86			\$ 9,842.86			\$ 9,842.86			\$ 9,842.86
Transformers Refurbished (Machine Shop)	\$ 17,400.00			\$ 17,400.00			\$ 17,400.00			\$ 17,400.00
Shaft Level Pumps (from Homestake)	\$ 283,536.36			\$ 283,536.36			\$ 283,536.36			\$ 283,536.36
Benshaw Softstart Starters (3)	\$ 105,772.27			\$ 105,772.27			\$ 105,772.27			\$ 105,772.27
Used Joy Fans (2)	\$ 13,372.00			\$ 13,372.00			\$ 13,372.00			\$ 13,372.00
S&CMetal Enclosed Switchgear (1 set of 3)	\$ -			\$ -			\$ -			\$ -
S&CWall Mounted Metal Enclosed Fuse Mounting	\$ -			\$ -			\$ -			\$ -
Ross Maint. Transformer S#1M0179357	\$ -			\$ -			\$ -			\$ -
Baldor Motor (5000LSpare) S#S9069457-001 001	\$ 6,240.00			\$ 6,240.00			\$ 6,240.00			\$ 6,240.00
S&CMetal Enclosed Switchgear (5Units)	\$ -			\$ -			\$ -			\$ -
S&C PGM II Multiin Meter for above in Bay 3	\$ -			\$ -			\$ -			\$ -
Flygt Pump (Yates Sump Spare) S#1070147	\$ 22,870.00			\$ 22,870.00			\$ 22,870.00			\$ 22,870.00
Sandpiper Air Powered Dbl Diaph.PumpS#1905122	\$ 5,328.06			\$ 5,328.06			\$ 5,328.06			\$ 5,328.06
Cable from Improvements Progress	\$ 354,853.92			\$ 354,853.92			\$ 354,853.92			\$ 354,853.92
Tsurumi Pumps	\$ 70,513.79			\$ 70,513.79			\$ 70,513.79	\$ 40,994.37		\$ 29,519.42
Refuge Chambers (2)	\$ 143,369.48		\$ 143,369.48	\$ -			\$ -			\$ -
10,000KVA Transformer S# 161916B	\$ 10,000.00			\$ 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			\$ 15,914.48
#5 Shaft Axial Flow Mine Fan S# 3533	\$ 47,245.51			\$ 47,245.51			\$ 47,245.51			\$ 47,245.51
DAD Pump S#882157	\$ 140,191.41			\$ 140,191.41			\$ 140,191.41			\$ 140,191.41
DAD Pump S#882158	\$ 131,559.36			\$ 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			\$ 94,011.92
Sky Climber Electric 208V Hoist	\$ 5,880.13			\$ 5,880.13			\$ 5,880.13			\$ 5,880.13
AC Generator 1974 kato S#73392	\$ 40,036.00			\$ 40,036.00			\$ 40,036.00	\$ 40,036.00		\$ -
Delta Optical Comparator	\$ 21,783.37			\$ 21,783.37			\$ 21,783.37			\$ 21,783.37
200 - 10Ft. Lengths 20"Diameter Piping (Waterinflow)	\$ 65,300.00		\$ 65,300.00	\$ -			\$ -			\$ -
IVAC PV500 Vacuum System	\$ -	\$ 47,984.50	\$ 47,984.50	\$ -			\$ -			\$ -
(4) Skid Tanks Pumping System							\$ -	\$ 15,668.98		\$ 15,668.98
Concrete Basket Dumas							\$ -	\$ 10,797.51		\$ 10,797.51
Cement Hopper E-Z Fab							\$ -	\$ 10,614.00		\$ 10,614.00
Surface Lab Water Tank							\$ -	\$ 8,373.54		\$ 8,373.54
Portable Generator S#J100VC06016590							\$ -	\$ 3,839.00		\$ 3,839.00
Dry Ice Blast Unit							\$ -	\$ 2,663.00	\$ 2,663.00	\$ -
Totals	\$ 2,616,992.22	\$ 47,984.50	\$ 256,653.98	\$ 2,408,322.74	\$ -	\$ -	\$ 2,408,322.74	\$ 51,956.03	\$ 81,030.37	\$ 2,376,585.40

SD Science & Technology Authority

Year to Date Reconciliation - 7/1/2017 through 6/30/2018

June 30, 2018

Year to Date 7/1/2017 through 6/30/2018

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	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
81	2001 Dodge W/Maintena	2/25/2009	2/25/2009	12,329.88			12,329.88	11,096.90			11,096.90
347	1999 Chevy Suburban W	8/11/2009	8/11/2009	6,618.17			6,618.17	5,956.35	1.00		5,957.35
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	6,157.00	2,173.00		8,330.00
653	2011 Chevy3500Stakebe	11/21/2016	11/21/2016	22,657.45			22,657.45	1,699.00	2,913.00		4,612.00
				108,962.53	0.00	0.00	108,962.53	70,319.94	5,087.00	0.00	75,406.94
120 - Building											
10	Ross Hoist Room	4/14/2006	4/14/2006	436,796.20			436,796.20	106,271.72	8,736.00		115,007.72
14	Ross Head Frame & Crus	4/14/2006	4/14/2006	421,551.65			421,551.65	102,561.90	8,431.00		110,992.90
19	Yates Head Frame & Cru	4/14/2006	4/14/2006	496,154.18			496,154.18	120,712.06	9,923.00		130,635.06
24	Mine Office - Admin Bld	4/14/2006	4/14/2006	461,316.99			461,316.99	112,234.23	9,226.00		121,460.23
25	Yates Hoist/MG Set Roo	4/14/2006	4/14/2006	797,826.88			797,826.88	194,112.43	15,957.00		210,069.43
26	Ross Substation Building	4/14/2006	4/14/2006	13,615.43			13,615.43	3,310.12	272.00		3,582.12
27	Ross Boiler	4/14/2006	4/14/2006	23,236.99			23,236.99	5,655.57	465.00		6,120.57
28	Ross Core Shed	4/14/2006	4/14/2006	6,785.02			6,785.02	1,653.17	136.00		1,789.17
29	Ross Dry	4/14/2006	4/14/2006	142,961.96			142,961.96	34,780.27	2,859.00		37,639.27
30	Ross Pipe Shop	4/14/2006	4/14/2006	50,830.92			50,830.92	12,370.05	1,017.00		13,387.05
31	LHD Warehouse	4/14/2006	4/14/2006	51,988.23			51,988.23	12,650.45	1,040.00		13,690.45
32	Ross Tramway Shed	4/14/2006	4/14/2006	68,757.90			68,757.90	16,727.31	1,375.00		18,102.31
33	Ross Air Tanks	4/14/2006	4/14/2006	7,760.79			7,760.79	1,886.45	155.00		2,041.45
34	Ross Ramp	4/14/2006	4/14/2006	7,091.37			7,091.37	1,726.69	142.00		1,868.69
35	Oro Hondo Fan Building	4/14/2006	4/14/2006	6,807.71			6,807.71	1,655.06	136.00		1,791.06
36	Oro Hondo Substation Bt	4/14/2006	4/14/2006	6,807.71			6,807.71	1,655.06	136.00		1,791.06
37	Shaft Heater Room @ #5	4/14/2006	4/14/2006	6,240.40			6,240.40	1,519.81	125.00		1,644.81
38	Tramway Roundhouse	4/14/2006	4/14/2006	7,624.64			7,624.64	1,851.11	152.00		2,003.11
39	Main Warehouse	4/14/2006	4/14/2006	142,224.46			142,224.46	34,598.84	2,844.00		37,442.84
41	Bottle Gas Storage	4/14/2006	4/14/2006	20,967.75			20,967.75	5,098.55	419.00		5,517.55

000 - SD Science & Technology Authority

Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
120 - Building											
42	Tramway	4/14/2006	4/14/2006	177,908.22			177,908.22	43,283.19	3,558.00		46,841.19
43	Iron House	4/14/2006	4/14/2006	60,044.02			60,044.02	14,609.48	1,201.00		15,810.48
44	Machine Shop	4/14/2006	4/14/2006	257,142.32			257,142.32	62,563.13	5,143.00		67,706.13
45	Foundry	4/14/2006	4/14/2006	162,810.11			162,810.11	39,609.56	3,256.00		42,865.56
46	Battery Repair Building	4/14/2006	4/14/2006	26,141.62			26,141.62	6,361.51	523.00		6,884.51
47	Bit Shop	4/14/2006	4/14/2006	5,446.17			5,446.17	1,325.65	109.00		1,434.65
48	Paint Shop	4/14/2006	4/14/2006	7,715.41			7,715.41	1,874.67	154.00		2,028.67
50	East Substation Building	4/14/2006	4/14/2006	6,807.71			6,807.71	1,655.06	136.00		1,791.06
51	Wash Rack	4/14/2006	4/14/2006	7,148.10			7,148.10	1,739.41	143.00		1,882.41
52	Steady Head Tank	4/14/2006	4/14/2006	8,271.37			8,271.37	2,008.98	165.00		2,173.98
53	Yates Safety & Dry	4/14/2006	4/14/2006	215,259.87			215,259.87	52,370.46	4,305.00		56,675.46
54	Yates Power Substation E	4/14/2006	4/14/2006	11,436.96			11,436.96	2,784.66	229.00		3,013.66
55	Yates Bosses Office	4/14/2006	4/14/2006	6,490.02			6,490.02	1,580.60	130.00		1,710.60
57	Yates Lamp Room	4/14/2006	4/14/2006	10,620.03			10,620.03	2,580.61	212.00		2,792.61
58	Yates Dust Collector	4/14/2006	4/14/2006	3,630.78			3,630.78	886.43	73.00		959.43
59	Yates Sawmill	4/14/2006	4/14/2006	33,947.79			33,947.79	8,259.74	679.00		8,938.74
60	Used Oil Storage Tank	4/14/2006	4/14/2006	2,042.31			2,042.31	498.12	41.00		539.12
61	Yates Cooling Tower	4/14/2006	4/14/2006	5,446.17			5,446.17	1,325.65	109.00		1,434.65
62	Yates Compressor	4/14/2006	4/14/2006	173,180.53			173,180.53	42,137.38	3,464.00		45,601.38
63	Motor Repair Shop	4/14/2006	4/14/2006	17,473.13			17,473.13	4,247.46	349.00		4,596.46
64	WW Influent Building	4/14/2006	4/14/2006	645,487.44			645,487.44	157,047.04	12,910.00		169,957.04
65	WW Lab/Fishhouse	4/14/2006	4/14/2006	134,476.55			134,476.55	32,721.47	2,690.00		35,411.47
66	WW Mechanical Building	4/14/2006	4/14/2006	727,249.18			727,249.18	176,937.53	14,545.00		191,482.53
67	WW Warehouse	4/14/2006	4/14/2006	174,012.66			174,012.66	42,334.70	3,480.00		45,814.70
68	WW Sandfilter Building	4/14/2006	4/14/2006	917,399.02			917,399.02	223,200.40	18,348.00		241,548.40
338	Building Closing Costs	1/31/2007	1/31/2007	63,820.42			63,820.42	13,802.67	1,276.00		15,078.67
73	WW Protec Building 56X	12/1/2008	12/1/2008	64,632.77			64,632.77	22,188.10	2,585.00		24,773.10
74	WW Valve Building 9XI	12/16/2008	12/16/2008	15,178.78			15,178.78	2,583.79	304.00		2,887.79
75	WW Pole Frame Building	2/5/2009	2/5/2009	104,518.82			104,518.82	17,590.99	2,090.00		19,680.99
666	Ellison Hoist Bldg	6/12/2017	6/12/2017	24,252.00			24,252.00	40.00	485.00		525.00
667	Ellison Boiler	6/12/2017	6/12/2017	40,608.00			40,608.00	68.00	812.00		880.00
668	Ellison Dry-Paint Shop	6/12/2017	6/12/2017	49,632.00			49,632.00	83.00	993.00		1,076.00
669	Old Compressor Bldg.	6/12/2017	6/12/2017	39,198.00			39,198.00	65.00	784.00		849.00
670	Drill Bit Shop	6/12/2017	6/12/2017	87,138.00			87,138.00	145.00	1,743.00		1,888.00
671	Rope House	6/12/2017	6/12/2017	41,172.00			41,172.00	69.00	823.00		892.00

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
120 - Building											
686	Radon Removal Building	9/15/2017	9/15/2017		615,530.88		615,530.88		10,259.00		10,259.00
				7,505,085.46	615,530.88	0.00	8,120,616.34	1,753,609.29	161,652.00	0.00	1,915,261.29
130 - Computer Hardware											
83	2950 Windows Server 20	5/30/2009	5/30/2009	5,033.00		(5,033.00)	0.00	5,033.00		(5,033.00)	0.00
84	2950 Windows Server 20	5/30/2009	5/30/2009	7,294.02		(7,294.02)	0.00	7,294.00		(7,294.00)	0.00
85	2950 Windows Server 20	5/30/2009	5/30/2009	5,033.00		(5,033.00)	0.00	5,033.00		(5,033.00)	0.00
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	8,910.00			8,910.00
97	Catalyst 48-Port 10/100/1	5/30/2009	5/30/2009	8,938.50			8,938.50	8,937.98			8,937.98
99	SA2500 Secure Access 2:	5/30/2009	5/30/2009	7,906.50		(7,906.50)	0.00	7,905.78	0.22	(7,906.00)	0.00
100	41213 Management Swit	5/30/2009	5/30/2009	6,196.90			6,196.90	6,196.28			6,196.28
101	41213 Management Swit	5/30/2009	5/30/2009	6,196.90			6,196.90	6,196.28			6,196.28
102	41213 Management Swit	5/30/2009	5/30/2009	6,196.90			6,196.90	6,196.28			6,196.28
103	41213 Management Swit	5/30/2009	5/30/2009	6,196.90			6,196.90	6,196.28			6,196.28
104	41213 Management Swit	5/30/2009	5/30/2009	6,196.90			6,196.90	6,196.28			6,196.28
105	41213 Management Swit	5/30/2009	5/30/2009	6,196.90			6,196.90	6,196.28			6,196.28
106	41517 48 Port TX 12800	5/30/2009	5/30/2009	6,510.00			6,510.00	6,510.00			6,510.00
107	41517 48 Port TX 12800	5/30/2009	5/30/2009	6,510.00			6,510.00	6,510.00			6,510.00
108	41517 48 Port TX 12800	5/30/2009	5/30/2009	6,510.00			6,510.00	6,510.00			6,510.00
109	41544 48 Port GBIC 128	5/30/2009	5/30/2009	9,916.90			9,916.90	9,916.28			9,916.28
110	41544 48 Port GBIC 128	5/30/2009	5/30/2009	9,916.90			9,916.90	9,916.28			9,916.28
111	41544 48 Port GBIC 128	5/30/2009	5/30/2009	9,916.90			9,916.90	9,916.28			9,916.28
112	41517 BD 12800 Manag	5/30/2009	5/30/2009	6,510.00			6,510.00	6,510.00			6,510.00
113	41517 BD 12800 Manag	5/30/2009	5/30/2009	6,510.00			6,510.00	6,510.00			6,510.00
115	SA2500 Secure Access 2:	5/30/2009	5/30/2009	7,906.50		(7,906.50)	0.00	7,905.78	0.22	(7,906.00)	0.00
116	41544 BD 12800 Manag	5/30/2009	5/30/2009	9,916.90			9,916.90	9,916.28			9,916.28
94	Cosign Appliance Windo	6/30/2009	6/30/2009	8,600.00		(8,600.00)	0.00	8,600.00		(8,600.00)	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	3,360.00	1,034.00		4,394.00
583	Power Edge Server Syste	6/30/2015	6/30/2015	6,898.07			6,898.07	6,898.00			6,898.00
586	Dell Equal Logic PS1000	6/30/2015	6/30/2015	31,121.72			31,121.72	31,120.53			31,120.53

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority											
Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
130 - Computer Hardware											
587	PowerVault MD1000 Sto	6/30/2015	6/30/2015	8,131.40			8,131.40	8,131.13			8,131.13
588	PowerVault MD1000 Sto	6/30/2015	6/30/2015	8,131.40			8,131.40	8,131.13			8,131.13
600	Virtual HP Server	6/29/2015	6/30/2015	17,362.50			17,362.50	6,944.00	3,472.00		10,416.00
601	Virtual HP Server	6/29/2015	6/30/2015	17,362.50			17,362.50	6,944.00	3,472.00		10,416.00
621	Server-HP DL360Gen9 8	8/21/2015	8/21/2015	11,014.87			11,014.87	4,039.00	2,203.00		6,242.00
622	Server HP DL360 Gen9 8	8/21/2015	8/21/2015	11,014.88			11,014.88	4,039.00	2,203.00		6,242.00
623	Switch - HP 3800-24G S-	8/21/2015	8/21/2015	7,522.00			7,522.00	2,758.00	1,504.00		4,262.00
624	Switch 5800-24G Switch	8/21/2015	8/21/2015	7,522.00			7,522.00	2,758.00	1,504.00		4,262.00
645	Toshiba Server (Applicat	6/14/2016	6/14/2016	5,528.00			5,528.00	1,198.00	1,106.00		2,304.00
659	Router MX104 Edge Rou	1/16/2017	1/16/2017	35,725.93			35,725.93	2,977.00	7,145.00		10,122.00
660	Backup Server HP DL38t	3/2/2017	3/2/2017	9,536.63			9,536.63	636.00	1,907.00		2,543.00
661	Backup Server HP DL38t	3/2/2017	3/2/2017	9,536.63			9,536.63	636.00	1,907.00		2,543.00
662	Firewall Fortigate800D U	4/2/2017	4/2/2017	12,337.00			12,337.00	617.00	2,467.00		3,084.00
663	Firewall Fortigate800D U	4/2/2017	4/2/2017	12,337.00			12,337.00	617.00	2,467.00		3,084.00
688	StorageArrayNetworkSAI	9/29/2017	9/29/2017		38,555.00		38,555.00		5,783.00		5,783.00
				434,783.19	38,555.00	(41,773.02)	431,565.17	310,321.17	38,174.44	(41,772.00)	306,723.61
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 Util	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,I	3/16/2007	3/16/2007	8,017.33			8,017.33	3,050.43	200.00		3,250.43
179	Softstart Controllers 700F	6/30/2007	6/30/2007	167,350.00			167,350.00	100,412.67	11,157.00		111,569.67
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	12,762.53	1,418.00		14,180.53
154	700HP Kirk Timberyard :	11/29/2007	11/29/2007	25,860.76			25,860.76	7,758.03	862.00		8,620.03
168	Transformer 225 KVA TI	12/17/2007	12/17/2007	12,355.22			12,355.22	2,780.88	309.00		3,089.88
126	Safety Apparatus (7 pack	12/31/2007	12/31/2007	48,860.00			48,860.00	46,417.00	2,443.00		48,860.00
331	Tsurumi Pumps LH675-6	2/4/2008	2/4/2008	22,279.36		(22,279.36)	0.00	8,019.18	520.00	(8,539.18)	0.00
213	Transformer GE 500KVA	2/27/2008	2/27/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
220	Transformer GE 500KVA	2/27/2008	2/27/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
221	Transformer Howard Ind	2/27/2008	2/27/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
223	Transformer Howard Ind	2/27/2008	2/27/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
224	Transformer Solomon 10t	2/27/2008	2/27/2008	5,900.00			5,900.00	1,331.50	148.00		1,479.50

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
140 - Equipment & Fixtures											
225	Transformer Solomon 10	2/27/2008	2/27/2008	5,900.00			5,900.00	1,331.50	148.00		1,479.50
226	Transformer Solomon 10	2/27/2008	2/27/2008	5,900.00			5,900.00	1,331.50	148.00		1,479.50
227	Transformer Howard Ind	2/27/2008	2/27/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
228	Transformer GE 75KVA	2/27/2008	2/27/2008	5,800.00			5,800.00	1,305.00	145.00		1,450.00
229	Transformer GE 75KVA	2/27/2008	2/27/2008	5,800.00			5,800.00	1,305.00	145.00		1,450.00
230	Transformer GE 75KVA	2/27/2008	2/27/2008	5,800.00			5,800.00	1,305.00	145.00		1,450.00
218	Transformer GE 500KVA	2/28/2008	2/28/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
129	3 Ton Locomotive Batter	2/29/2008	2/29/2008	7,884.00			7,884.00	7,884.00			7,884.00
178	Skid Tanks 4X4X12 (4)	3/6/2008	3/6/2008	24,872.90		(24,872.90)	0.00	8,954.92	249.00	(9,203.92)	0.00
201	Pump Ingersoll Rand 037	3/12/2008	3/12/2008	91,206.72			91,206.72	32,832.27	3,648.00		36,480.27
211	Transformer GE 500KVA	3/25/2008	3/25/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
212	Transformer GE 500KVA	3/25/2008	3/25/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
214	Transformer Westinghou	3/25/2008	3/25/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
216	Transformer Westinghou	3/25/2008	3/25/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
217	Transformer Westinghou	3/25/2008	3/25/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
219	Transformer GE 500KVA	3/25/2008	3/25/2008	7,350.00			7,350.00	1,655.75	184.00		1,839.75
144	Cranes	4/30/2008	4/30/2008	100,509.34			100,509.34	12,060.12	1,340.00		13,400.12
204	Motor GE 700HP FM84C	5/6/2008	5/6/2008	32,772.50			32,772.50	14,750.63	1,639.00		16,389.63
190	Troll 9500 Water Sample	5/14/2008	5/14/2008	8,325.92			8,325.92	7,488.59	836.00		8,324.59
180	Axial Flow Mine Fan 15C	5/30/2008	5/30/2008	53,484.75			53,484.75	24,066.24	2,674.00		26,740.24
127	Draeger Tester 6100	5/31/2008	5/31/2008	6,010.95		(6,010.95)	0.00	6,010.95		(6,010.95)	0.00
142	Base Interface 4 channel	6/18/2008	6/18/2008	6,011.00			6,011.00	5,409.10	602.00		6,011.10
132	Telephone System Additi	6/30/2008	6/30/2008	11,371.31			11,371.31	10,233.00	1,138.00		11,371.00
166	Ross Hoist (2)	6/30/2008	6/30/2008	121,842.89			121,842.89	14,624.57	1,625.00		16,249.57
169	Transformer GE 5MVA	7/1/2008	7/1/2008	5,000.00			5,000.00	1,125.00	125.00		1,250.00
171	Transformer GE 1500KV	7/1/2008	7/1/2008	5,000.00			5,000.00	1,125.00	125.00		1,250.00
172	Transformer GE 10,000K	7/1/2008	7/1/2008	10,000.00			10,000.00	2,250.00	250.00		2,500.00
173	Transformer GE 20,000K	7/1/2008	7/1/2008	15,000.00			15,000.00	3,375.00	375.00		3,750.00
174	Transformer GE 10,000 k	7/1/2008	7/1/2008	10,000.00			10,000.00	2,250.00	250.00		2,500.00
175	Transformer GE 10,000K	7/1/2008	7/1/2008	10,000.00			10,000.00	2,250.00	250.00		2,500.00
247	MG Sets (2) Yates	7/1/2008	7/1/2008	60,000.00			60,000.00	7,200.00	800.00		8,000.00
235	FLYGT Centrifugal Pump	7/23/2008	7/23/2008	11,997.23			11,997.23	4,279.90	480.00		4,759.90
197	Ross Hoist Bldg (3) Boile	7/31/2008	7/31/2008	125,245.77		(125,245.77)	0.00	111,672.86	3,131.00	(114,803.86)	0.00
167	Security Monitoring Gate	8/1/2008	8/1/2008	23,126.00			23,126.00	20,623.88	2,313.00		22,936.88
202	Pump Ingersoll Rand 213	8/1/2008	8/1/2008	22,508.00			22,508.00	8,025.29	900.00		8,925.29

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140 - Equipment & Fixtures											
203	Pump Ingersoll Rand 675	8/1/2008	8/1/2008	130,646.97			130,646.97	46,598.39	5,226.00		51,824.39
234	Diesel Generator - WWT1	8/1/2008	8/1/2008	5,000.00			5,000.00	4,458.33	500.00		4,958.33
236	FLYGT 10HP Pumps (2)	8/1/2008	8/1/2008	12,000.00			12,000.00	4,280.00	480.00		4,760.00
237	FLYGT 15HP Pumps (2)	8/1/2008	8/1/2008	18,000.00			18,000.00	6,420.00	720.00		7,140.00
241	Rotating Biological Cont:	8/1/2008	8/1/2008	206,014.95			206,014.95	36,736.94	4,120.00		40,856.94
242	Sand Filter Galiger Pump	8/1/2008	8/1/2008	15,000.00			15,000.00	5,350.00	600.00		5,950.00
243	Sand Filters (3) WWTP	8/1/2008	8/1/2008	45,000.00			45,000.00	8,025.00	900.00		8,925.00
245	Soda Ash System	8/1/2008	8/1/2008	9,573.70			9,573.70	1,703.52	191.00		1,894.52
188	Electric Winch (WE271)	8/15/2008	8/15/2008	47,187.00			47,187.00	8,417.10	944.00		9,361.10
231	Fume Hood for Lab Cabin	8/22/2008	8/22/2008	5,989.95			5,989.95	5,291.16	599.00		5,890.16
205	Motor GE 700HP FM84C	8/25/2008	8/25/2008	38,004.39			38,004.39	16,783.52	1,900.00		18,683.52
156	MG Sets (2) Ross	8/31/2008	8/31/2008	60,000.00			60,000.00	7,066.67	800.00		7,866.67
194	Yates Hoists (2)	8/31/2008	8/31/2008	89,168.26			89,168.26	10,502.76	1,189.00		11,691.76
209	Motor GE 700HP HL840	9/22/2008	9/22/2008	31,362.30			31,362.30	13,720.09	1,568.00		15,288.09
150	Kubota GL7000 Generator	10/21/2008	10/21/2008	5,300.00			5,300.00	4,593.33	530.00		5,123.33
232	Cornell Pumps W/Baldor	10/29/2008	10/29/2008	27,102.98			27,102.98	9,394.75	1,084.00		10,478.75
157	Miller Trailblazer 3020 V	11/5/2008	11/5/2008	7,430.00			7,430.00	6,439.33	743.00		7,182.33
137	40 Unit Cap Lamp Chrg	11/20/2008	11/20/2008	5,253.00			5,253.00	4,506.43	525.00		5,031.43
206	Motor GE 700HP FM839	11/24/2008	11/24/2008	35,025.30			35,025.30	15,029.57	1,751.00		16,780.57
149	FSM-60S Fusion Splice F	11/28/2008	11/28/2008	19,810.00			19,810.00	11,338.39	1,321.00		12,659.39
136	Admin. Bldg. Heating/Cc	11/30/2008	11/30/2008	32,493.88			32,493.88	27,887.48	3,249.00		31,136.48
244	Seepex 200 GPM Pump /	12/15/2008	12/15/2008	16,316.24			16,316.24	5,604.71	653.00		6,257.71
238	Hoffman 3R Wall Mount	12/24/2008	12/24/2008	11,657.72			11,657.72	6,604.59	777.00		7,381.59
148	Franklin 8" Sand Fighter	12/29/2008	12/29/2008	44,457.42			44,457.42	18,895.44	2,223.00		21,118.44
161	1,000,000BTU Indirect F	12/30/2008	12/30/2008	15,537.00			15,537.00	13,208.85	1,554.00		14,762.85
143	(1) Benshaw Softstart 700	1/6/2009	1/6/2009	35,257.43			35,257.43	19,975.25	2,350.00		22,325.25
162	VFD Pump Controller 15	2/2/2009	2/2/2009	23,100.00			23,100.00	12,961.67	1,540.00		14,501.67
163	VFD Pump Controller 20	2/2/2009	2/2/2009	46,200.00			46,200.00	25,923.33	3,080.00		29,003.33
160	Portable Air Conditioner	2/6/2009	2/6/2009	11,325.40			11,325.40	9,527.89	1,132.00		10,659.89
146	Float Valves for Yates (1)	2/9/2009	2/9/2009	114,346.31			114,346.31	96,244.43	11,435.00		107,679.43
145	Crane #6 Winze Undergr	2/19/2009	2/19/2009	10,631.95			10,631.95	1,183.25	142.00		1,325.25
200	Pump Ingersoll Rand 107	2/25/2009	2/25/2009	122,676.93			122,676.93	40,891.69	4,907.00		45,798.69
208	Motor GE 700HP ZRH2E	3/5/2009	3/5/2009	27,154.00			27,154.00	11,316.57	1,358.00		12,674.57
158	3000HP American David	3/6/2009	3/6/2009	78,752.15			78,752.15	21,875.02	2,625.00		24,500.02
199	Pump Ingersoll Rand 100	3/28/2009	3/28/2009	147,258.51			147,258.51	48,592.59	5,890.00		54,482.59

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
140 - Equipment & Fixtures											
192	Western Tornado Sand S	4/1/2009	4/1/2009	5,168.50			5,168.50	4,265.21	517.00		4,782.21
193	Western Ultramount Pro	4/1/2009	4/1/2009	5,247.63			5,247.63	4,331.19	525.00		4,856.19
147	Danfoss Flowmatic Chec	4/2/2009	4/2/2009	6,919.11			6,919.11	5,708.98	692.00		6,400.98
198	Pump Ingersoll Rand 372	4/30/2009	4/30/2009	55,987.45			55,987.45	18,285.25	2,239.00		20,524.25
191	Watertank Carbon steel 9	5/8/2009	5/8/2009	12,880.41		(12,880.41)	0.00	4,205.87	301.00	(4,506.87)	0.00
164	VFD 150 HP Control Pan	5/14/2009	5/14/2009	12,705.00			12,705.00	6,917.17	847.00		7,764.17
181	Trojan 3.25 Locomotive	6/10/2009	6/10/2009	51,615.60			51,615.60	18,842.23	2,331.00		21,173.23
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 an	6/11/2009	6/11/2009	6,098.08			6,098.08	2,465.41	305.00		2,770.41
138	Ansul Inergen Fire Suppr	6/23/2009	6/23/2009	12,919.00			12,919.00	6,888.00	861.00		7,749.00
155	Lift Bag Kit Light US&R	6/25/2009	6/25/2009	16,750.00			16,750.00	13,400.00	1,675.00		15,075.00
135	Telephone Expansion	6/26/2009	6/26/2009	28,249.27			28,249.27	22,600.00	2,825.00		25,425.00
140	2008 Artic Cat 700 Diese	6/30/2009	6/30/2009	10,244.54			10,244.54	9,732.00			9,732.00
141	2008 Artic Cat 700 Diese	6/30/2009	6/30/2009	10,244.55			10,244.55	9,732.00			9,732.00
151	Portable Generator 100K	6/30/2009	6/30/2009	27,100.00		(27,100.00)	0.00	21,680.00	1,581.00	(23,261.00)	0.00
195	Ross Fuel Tank/Stand/Co	6/30/2009	6/30/2009	21,100.39			21,100.39	16,880.00	2,110.00		18,990.00
353	JD Skid Steer 315 W/CE	7/18/2009	7/18/2009	23,241.00			23,241.00	18,398.00	2,324.00		20,722.00
354	Trojan 3.25 Locomotive	8/28/2009	8/28/2009	46,692.71			46,692.71	16,332.00	2,085.00		18,417.00
355	.36Cell/72 Volt Battery fr	8/28/2009	8/28/2009	11,000.00			11,000.00	11,000.00			11,000.00
689	WE2 Locomotive Contro	8/28/2009	8/28/2009	4,500.00		(4,500.00)	0.00	1,763.00	188.00	(1,951.00)	0.00
356	Sanyo Air Conditioning S	9/1/2009	9/1/2009	41,401.66			41,401.66	32,430.00	4,140.00		36,570.00
357	F-16A Dry Ice Blast Unit	9/17/2009	9/17/2009	17,750.00		(17,750.00)	0.00	13,756.00	1,331.00	(15,087.00)	0.00
358	High Voltage Cable Testi	9/23/2009	9/23/2009	7,920.00			7,920.00	6,138.00	792.00		6,930.00
359	Water Meter LUX Surfac	10/1/2009	10/1/2009	6,011.30			6,011.30	4,658.00	601.00		5,259.00
360	Wall Mounted Enclosure	10/1/2009	10/1/2009	7,200.00			7,200.00	3,720.00	480.00		4,200.00
361	8-1/2' Western Ultramour	10/1/2009	10/1/2009	5,309.25			5,309.25	4,115.00	531.00		4,646.00
362	Benshaw Softstart 700HF	10/1/2009	10/1/2009	35,257.43			35,257.43	18,213.00	2,350.00		20,563.00
364	Vertical Diesel Symo Pov	10/22/2009	10/22/2009	8,665.05			8,665.05	6,640.00	866.00		7,506.00
365	Vertical Diesel Symo Pov	10/22/2009	10/22/2009	5,721.30			5,721.30	4,385.00	572.00		4,957.00
366	Wall Mounted Enclosure	11/1/2009	11/1/2009	7,200.00			7,200.00	3,680.00	480.00		4,160.00
367	Spendrup 350HP Fan at C	11/1/2009	11/1/2009	83,092.63			83,092.63	31,855.00	4,155.00		36,010.00
368	500KVA Transformer3 P	11/1/2009	11/1/2009	18,465.41			18,465.41	3,542.00	462.00		4,004.00
369	Baldor VFD Motors 350F	11/1/2009	11/1/2009	61,000.00			61,000.00	23,383.00	3,050.00		26,433.00
370	Benshaw Switch Disconn	11/1/2009	11/1/2009	8,791.96			8,791.96	4,493.00	586.00		5,079.00
371	GE700HP GE Pump Mot	11/1/2009	11/1/2009	31,986.00			31,986.00	12,259.00	1,599.00		13,858.00

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140 - Equipment & Fixtures											
372	350HP Spendrup Fan at #	11/10/2009	11/10/2009	106,641.04			106,641.04	40,879.00	5,332.00		46,211.00
374	S&C PMX Modular Met	12/1/2009	12/1/2009	27,059.00			27,059.00	13,680.00	1,804.00		15,484.00
375	GE 8000 Series Breaker I	12/3/2009	12/3/2009	6,464.69			6,464.69	3,268.00	431.00		3,699.00
376	GE Spectra Series Switch	12/3/2009	12/3/2009	7,239.85			7,239.85	3,663.00	483.00		4,146.00
377 (2)	A Bradley Powerflex .	12/3/2009	12/3/2009	15,068.40			15,068.40	7,621.00	1,005.00		8,626.00
378	Multi Media Sand Filter :	12/3/2009	12/3/2009	615,021.84			615,021.84	93,275.00	12,300.00		105,575.00
397	Telephone System Upgra	12/7/2009	12/7/2009	17,712.14			17,712.14	13,430.00	1,771.00		15,201.00
379	Johnson Controls HVAC	1/1/2010	1/1/2010	18,921.00			18,921.00	14,190.00	1,892.00		16,082.00
380	Johnson Controls HVAC	1/1/2010	1/1/2010	20,427.00			20,427.00	15,322.00	2,043.00		17,365.00
381	HVAC Air Handling Uni	1/1/2010	1/1/2010	20,862.92			20,862.92	15,645.00	2,086.00		17,731.00
382	Chemical Outdoor Stora	1/15/2010	1/15/2010	28,869.55			28,869.55	10,823.00	1,443.00		12,266.00
383	HydraulicClamb/Pneuma	1/25/2010	1/25/2010	26,940.00			26,940.00	19,980.00	2,694.00		22,674.00
384	Fire Pump	2/1/2010	2/1/2010	13,163.08			13,163.08	9,760.00	1,316.00		11,076.00
385	Jockey Pump	2/1/2010	2/1/2010	13,163.08			13,163.08	9,760.00	1,316.00		11,076.00
386	HY-25XLT 2-1/2" Sq Dr	2/4/2010	2/4/2010	13,957.43			13,957.43	10,354.00	1,396.00		11,750.00
399	Telephone System LUX S	2/15/2010	2/15/2010	9,218.04			9,218.04	6,838.00	922.00		7,760.00
387	Wall Mounted Enclosure	3/1/2010	3/1/2010	7,200.00			7,200.00	3,520.00	480.00		4,000.00
388	S&C PMX Modular Met	3/1/2010	3/1/2010	27,059.00			27,059.00	13,229.00	1,804.00		15,033.00
389	GE Switchgear	3/1/2010	3/1/2010	58,844.32			58,844.32	28,769.00	3,923.00		32,692.00
390	MQ Generator 15KW Mc	3/1/2010	3/1/2010	10,117.00			10,117.00	7,421.00	1,012.00		8,433.00
391	Atlas Copco XAS 185 CF	3/1/2010	3/1/2010	8,924.50			8,924.50	6,541.00	892.00		7,433.00
392	Atlas Copco XAS 185 CF	3/1/2010	3/1/2010	8,924.50			8,924.50	6,541.00	892.00		7,433.00
393	115V PSI Hytorc Pump	3/30/2010	3/30/2010	5,108.37			5,108.37	3,705.00	511.00		4,216.00
394	Clean Room-Surface Lab	5/31/2010	5/31/2010	116,000.00			116,000.00	82,167.00	11,600.00		93,767.00
395	S&C Metal Enclosed Fus	6/30/2010	6/30/2010	7,200.00			7,200.00	3,360.00	480.00		3,840.00
398	Telephone System Upgra	6/30/2010	6/30/2010	8,451.00			8,451.00	5,915.00	845.00		6,760.00
400	Telephone System Ross I	6/30/2010	6/30/2010	6,683.90			6,683.90	4,676.00	668.00		5,344.00
426	S&C Wall-Mounted Met	7/1/2010	7/1/2010	7,200.00			7,200.00	3,360.00	480.00		3,840.00
430	Chem Grout Machine Pu	7/29/2010	7/29/2010	5,500.00			5,500.00	3,804.00	550.00		4,354.00
420	Bobcat Skidsteer S300 D	8/2/2010	8/2/2010	33,030.64			33,030.64	22,846.00	3,303.00		26,149.00
423	Air Compressor 125HP F	9/1/2010	9/1/2010	18,515.00			18,515.00	12,655.00	1,852.00		14,507.00
422	JD Angle Broom for Skid	9/3/2010	9/3/2010	5,925.00			5,925.00	4,046.00	592.00		4,638.00
421	S&C PMX Modular Met	9/16/2010	9/16/2010	27,059.00			27,059.00	12,177.00	1,804.00		13,981.00
439	Ross Dry Phone/Data Sys	9/24/2010	9/24/2010	9,183.36			9,183.36	6,197.00	918.00		7,115.00
440	Ross Shaft UG Phone/Da	10/25/2010	10/25/2010	8,550.63			8,550.63	5,700.00	855.00		6,555.00

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
140 - Equipment & Fixtures											
441	Yates E&O Phone/Data S	11/30/2010	11/30/2010	12,314.24			12,314.24	8,104.00	1,231.00		9,335.00
424	Radon Monitor Alphagua	12/1/2010	12/1/2010	15,028.98			15,028.98	9,895.00	1,503.00		11,398.00
416	Locomotive 1975 8 Ton #	1/27/2011	1/27/2011	130,000.00			130,000.00	119,164.00	10,836.00		130,000.00
417	Locomotive 1975 8 Ton #	1/27/2011	1/27/2011	130,000.00			130,000.00	119,164.00	10,836.00		130,000.00
418	Loader 2007 LT 210 #07-	1/27/2011	1/27/2011	195,000.00			195,000.00	125,125.00	19,500.00		144,625.00
427	Shotcrete Mixing Auger	2/28/2011	2/28/2011	18,450.00			18,450.00	11,685.00	1,845.00		13,530.00
438	Admin Building Phone/D	3/1/2011	3/1/2011	3,876.26			3,876.26	2,457.00	388.00		2,845.00
432	Loader 2007 LT350 #07-	5/31/2011	5/31/2011	230,000.00			230,000.00	139,917.00	23,000.00		162,917.00
451	JD XAS 375 CFM Air Ct	9/1/2011	9/1/2011	27,900.00			27,900.00	16,275.00	2,790.00		19,065.00
469	Transformer 45KVA 600	9/1/2011	9/1/2011	5,298.00			5,298.00	770.00	132.00		902.00
453	Battery Charger for 9-Ton	1/1/2012	1/1/2012	6,127.78			6,127.78	3,371.00	613.00		3,984.00
455	TEI 260 Hydraulic Percu	1/1/2012	1/1/2012	32,949.71			32,949.71	18,122.00	3,295.00		21,417.00
454	Lefon Portable Electric P	1/4/2012	1/4/2012	8,218.50			8,218.50	4,521.00	822.00		5,343.00
461	Lull 54' Telescopic Forkli	1/12/2012	1/12/2012	52,500.00			52,500.00	28,875.00	5,250.00		34,125.00
456	Ross Shaft Work Deck	1/20/2012	1/20/2012	16,395.00			16,395.00	8,883.00	1,640.00		10,523.00
459	JD 315 Skid Steer W/Buc	2/10/2012	2/10/2012	25,234.00			25,234.00	13,666.00	2,523.00		16,189.00
457	GE 1500KVA 480/277V	3/1/2012	3/1/2012	102,230.90			102,230.90	13,632.00	2,556.00		16,188.00
458	GE Switchboard 1500KV	3/1/2012	3/1/2012	20,762.10			20,762.10	7,381.00	1,384.00		8,765.00
462	Yates Hoist South Cage	5/1/2012	5/1/2012	123,484.05			123,484.05	63,798.00	12,348.00		76,146.00
480	Rope Dog System Yates	5/1/2012	5/1/2012	69,642.40			69,642.40	35,981.00	6,964.00		42,945.00
599	Yates Rope Dog System	5/1/2012	5/1/2012	227,216.99			227,216.99	75,066.87	15,148.00		90,214.87
463	Caterpillar Diesel Genera	5/3/2012	5/3/2012	54,313.83			54,313.83	28,060.00	5,431.00		33,491.00
464	Profi 1-Ton Air Hoist 25'	5/8/2012	5/8/2012	6,970.00			6,970.00	3,601.00	697.00		4,298.00
465	Profi 1-Ton Air Hoist 25'	5/8/2012	5/8/2012	6,970.00			6,970.00	3,601.00	697.00		4,298.00
470	S&C Metal Enclosed Swi	6/1/2012	6/1/2012	21,656.40			21,656.40	7,340.00	1,444.00		8,784.00
471	S&C Metal Enclosed Swi	6/1/2012	6/1/2012	21,656.40			21,656.40	7,340.00	1,444.00		8,784.00
472	S&C Metal Enclosed Swi	6/1/2012	6/1/2012	21,656.40			21,656.40	7,340.00	1,444.00		8,784.00
473	S&C Metal Enclosed Swi	6/1/2012	6/1/2012	21,656.40			21,656.40	7,340.00	1,444.00		8,784.00
474	S&C Metal Enclosed Swi	6/1/2012	6/1/2012	21,656.40			21,656.40	7,340.00	1,444.00		8,784.00
475	Multilin PQM II Meter fo	6/1/2012	6/1/2012	5,389.00			5,389.00	1,825.00	359.00		2,184.00
466	Scanstation C10 Laser Sc	6/5/2012	6/5/2012	59,609.44			59,609.44	30,302.00	5,961.00		36,263.00
467	Refuge Chamber 6X6X1'	6/19/2012	6/19/2012	38,105.00			38,105.00	9,525.00	1,905.00		11,430.00
468	Refuge Chamber 6X6X1'	6/19/2012	6/19/2012	38,105.00			38,105.00	9,525.00	1,905.00		11,430.00
496	Justice Fire & Safety Pan	7/1/2012	7/1/2012	7,588.00			7,588.00	2,530.00	506.00		3,036.00
497	Quincy Air Regulator	7/1/2012	7/1/2012	17,788.76			17,788.76	8,895.00	1,779.00		10,674.00

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
140 - Equipment & Fixtures											
498	Cornell McKeon Rollup I	7/1/2012	7/1/2012	8,980.00			8,980.00	2,995.00	599.00		3,594.00
499	Rheem Water Heater	7/1/2012	7/1/2012	10,070.00			10,070.00	5,035.00	1,007.00		6,042.00
500	Johnson Controls Air Har	7/1/2012	7/1/2012	25,071.00			25,071.00	12,535.00	2,507.00		15,042.00
501	Johnson Controls Air Har	7/1/2012	7/1/2012	21,529.00			21,529.00	10,765.00	2,153.00		12,918.00
502	Johnson Controls Air Ha	7/1/2012	7/1/2012	21,529.00			21,529.00	10,765.00	2,153.00		12,918.00
503	Johnson Controls Air Har	7/1/2012	7/1/2012	17,039.00			17,039.00	8,520.00	1,704.00		10,224.00
504	Johnson Controls Chiller	7/1/2012	7/1/2012	17,245.00			17,245.00	8,620.00	1,724.00		10,344.00
505	Johnson Controls Chiller	7/1/2012	7/1/2012	17,245.00			17,245.00	8,620.00	1,724.00		10,344.00
506	Johnson Controls Air Har	7/1/2012	7/1/2012	17,436.00			17,436.00	8,720.00	1,744.00		10,464.00
525	Line Power Transformers	7/1/2012	7/1/2012	5,000.00			5,000.00	625.00	125.00		750.00
526	LN Tank Concrete Pad	8/1/2012	8/1/2012	7,920.00			7,920.00	1,947.00	396.00		2,343.00
484	R&M Hoist 7.5 Ton	8/2/2012	8/2/2012	19,510.50			19,510.50	9,592.00	1,951.00		11,543.00
485	R&M Hoist 10 Ton	8/2/2012	8/2/2012	21,560.50			21,560.50	10,600.00	2,156.00		12,756.00
490	Skyclimber Suspended W	9/6/2012	9/6/2012	67,172.86			67,172.86	32,466.00	6,717.00		39,183.00
491	Skyclimber Electric Hoist	9/6/2012	9/6/2012	6,586.85			6,586.85	3,185.00	659.00		3,844.00
492	Skyclimber Electric Hoist	9/6/2012	9/6/2012	6,586.85			6,586.85	3,185.00	659.00		3,844.00
493	Skyclimber Electric Hoist	9/6/2012	9/6/2012	6,586.85			6,586.85	3,185.00	659.00		3,844.00
494	Skyclimber Electric Hoist	9/6/2012	9/6/2012	6,586.85			6,586.85	3,185.00	659.00		3,844.00
489	Ross Cage Work Deck	9/12/2012	9/12/2012	70,226.22			70,226.22	48,488.00	10,032.00		58,520.00
486	LUX Water Treatment Sy	9/25/2012	9/25/2012	147,582.73			147,582.73	46,735.00	9,839.00		56,574.00
483	North Skip Work Deck (F	9/28/2012	9/28/2012	30,837.94			30,837.94	20,924.00	4,405.00		25,329.00
487	Jib Crane Ceiling Mount	10/1/2012	10/1/2012	28,175.00			28,175.00	13,385.00	2,818.00		16,203.00
488	Jib Crane Ceiling Mount	10/1/2012	10/1/2012	30,450.00			30,450.00	14,464.00	3,045.00		17,509.00
508	S205 Skidsteer W/Forks	10/19/2012	10/19/2012	21,000.00			21,000.00	9,800.00	2,100.00		11,900.00
495	LUX Water Tank 4850	10/22/2012	10/22/2012	364,225.82			364,225.82	113,316.00	24,282.00		137,598.00
524	Line Power Transformer	12/10/2012	12/10/2012	8,000.00			8,000.00	917.00	200.00		1,117.00
512	Profi 1Ton Air Hoist 25'1	1/16/2013	1/16/2013	7,415.07			7,415.07	3,273.00	741.00		4,014.00
513	Caterpillar Diesel Genera	2/1/2013	2/1/2013	28,434.00			28,434.00	12,557.00	2,843.00		15,400.00
516	4850 Refuge Area Coolin	2/1/2013	2/1/2013	9,085.66		(9,085.66)	0.00	4,011.00	908.00	(4,919.00)	0.00
517	4850 Refuge Area Coolin	2/1/2013	2/1/2013	9,085.67		(9,085.67)	0.00	4,011.00	908.00	(4,919.00)	0.00
518	4850 Refuge Area Coolin	2/1/2013	2/1/2013	9,085.67		(9,085.67)	0.00	4,011.00	908.00	(4,919.00)	0.00
519	MS Scrubbing Systems E	2/1/2013	2/1/2013	17,040.00			17,040.00	7,526.00	1,704.00		9,230.00
520	MS Scrubbing Systems E	2/1/2013	2/1/2013	17,040.00			17,040.00	7,526.00	1,704.00		9,230.00
515	Ross Headframe Garage I	2/26/2013	2/26/2013	22,621.00			22,621.00	9,802.00	2,262.00		12,064.00
523	Modification to Ross Wo	4/16/2013	4/16/2013	7,010.22			7,010.22	4,171.00	1,001.00		5,172.00

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
140 - Equipment & Fixtures											
528	25HP Diesel Hydraulic P	6/15/2013	6/15/2013	11,070.85			11,070.85	4,520.00	1,107.00		5,627.00
536	IT Generator Concrete Pa	8/1/2013	8/1/2013	6,640.00			6,640.00	1,300.00	332.00		1,632.00
538	Yates Loading Dock	9/9/2013	9/9/2013	7,040.00			7,040.00	1,081.00	282.00		1,363.00
540	IT Generator Install	10/31/2013	10/31/2013	28,056.44			28,056.44	10,288.00	2,806.00		13,094.00
554	Hitachi CPWU9410 Proj	1/18/2014	1/18/2014	13,228.18			13,228.18	4,520.00	1,323.00		5,843.00
542	Chem Grout Machine Pu	3/10/2014	3/10/2014	5,909.59			5,909.59	1,970.00	591.00		2,561.00
547	Bolter J.H. Fletcher & Co	4/25/2014	4/25/2014	546,642.95			546,642.95	69,242.00	21,866.00		91,108.00
550	Big Blue 300 Pro Kubota	5/2/2014	5/2/2014	10,445.00			10,445.00	3,306.00	1,044.00		4,350.00
551	Big Blue 300 Pro Kubota	5/2/2014	5/2/2014	10,445.00			10,445.00	3,306.00	1,044.00		4,350.00
548	2014 Toolmaster Trailer	5/8/2014	5/8/2014	11,200.00			11,200.00	3,547.00	1,120.00		4,667.00
553	Ultrasonic Flaw Detector	6/9/2014	6/9/2014	11,742.78			11,742.78	3,620.00	1,174.00		4,794.00
579	Line Power Skid Transfor	7/1/2014	7/1/2014	5,000.00			5,000.00	375.00	125.00		500.00
580	Line Power Skid Transfo	7/1/2014	7/1/2014	8,000.00			8,000.00	600.00	200.00		800.00
566	Davis Campus Dehumidi	7/22/2014	7/22/2014	508,965.03			508,965.03	148,447.00	50,896.00		199,343.00
565	Fisher 2" Valves (2)	8/8/2014	8/8/2014	13,554.96			13,554.96	3,952.00	1,355.00		5,307.00
568	Canon EOS C100 Cinem	8/8/2014	8/8/2014	5,499.00			5,499.00	3,208.00	1,100.00		4,308.00
569	WTP Mix Tank	8/27/2014	8/27/2014	110,641.63			110,641.63	12,540.00	4,426.00		16,966.00
572	HVAC Unit - Adm. Builc	10/10/2014	10/10/2014	17,358.78			17,358.78	4,774.00	1,736.00		6,510.00
571	Concrete Bucket Dumas l	10/22/2014	10/22/2014	18,509.51		(18,509.51)	0.00	7,051.00	661.00	(7,712.00)	0.00
573	Cement Hopper E-Z Fabr	10/22/2014	10/22/2014	18,195.00		(18,195.00)	0.00	6,931.00	650.00	(7,581.00)	0.00
577	Pressure Tank 660Gal.on	11/5/2014	11/5/2014	6,081.27			6,081.27	1,621.00	608.00		2,229.00
574	Yates Work Platform (Sk	12/22/2014	12/22/2014	30,419.20			30,419.20	7,605.00	3,042.00		10,647.00
575	Thern Winch (Helical-Be	12/23/2014	12/23/2014	7,909.00			7,909.00	1,977.00	791.00		2,768.00
581	Mining Controls Portable	1/1/2015	1/1/2015	5,000.00			5,000.00	312.00	125.00		437.00
576	Profi 1-Ton Air Hoist 25'	1/26/2015	1/26/2015	7,675.00			7,675.00	1,856.00	768.00		2,624.00
578	JLG Electric Scissor Lift	2/24/2015	2/24/2015	20,470.00			20,470.00	4,776.00	2,047.00		6,823.00
584	Network Video Recorder	6/30/2015	6/30/2015	5,984.00			5,984.00	5,417.86	566.00		5,983.86
585	Shot Tech Robotic Arm S	6/30/2015	6/30/2015	171,390.00			171,390.00	160,079.62	11,310.00		171,389.62
589	Topcon GPT Data Collec	6/30/2015	6/30/2015	9,850.00			9,850.00	6,430.16	1,642.00		8,072.16
590	Wolverine 25D Hydraulic	6/30/2015	6/30/2015	12,816.00			12,816.00	6,786.25	1,602.00		8,388.25
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	13,296.78	3,469.00		16,765.78
594	Vertical Diesel Symo Pov	6/30/2015	6/30/2015	14,023.44			14,023.44	10,106.23	2,157.00		12,263.23
595	IT Generac Generator	6/30/2015	6/30/2015	26,208.14			26,208.14	16,045.76	3,744.00		19,789.76

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140 - Equipment & Fixtures											
596	Kubota RTV Utility	6/30/2015	6/30/2015	11,542.33			11,542.33	5,921.14	1,649.00		7,570.14
597	Kubota RTV Utility	6/30/2015	6/30/2015	11,542.33			11,542.33	5,921.14	1,649.00		7,570.14
598	HD Video Conferencing 1	6/30/2015	6/30/2015	13,990.26			13,990.26	11,503.08	2,487.00		13,990.08
636	Neutron Doors (2)Lead R	7/1/2015	7/1/2015	89,520.00			89,520.00	17,904.00	8,952.00		26,856.00
640	DDX Preaction Valve Re	7/22/2015	7/22/2015	12,801.00			12,801.00	2,453.00	1,280.00		3,733.00
637	Lighting Inverter Ross Ce	7/31/2015	7/31/2015	10,000.00			10,000.00	1,917.00	1,000.00		2,917.00
638	Transformer 300KVA 12-	7/31/2015	7/31/2015	20,572.35			20,572.35	985.00	514.00		1,499.00
639	Fire Alarm Panel Ross Ce	7/31/2015	7/31/2015	18,291.60			18,291.60	2,337.00	1,219.00		3,556.00
610	S&CMetal Encl.Switchge	8/1/2015	8/1/2015	81,000.00			81,000.00	10,350.00	5,400.00		15,750.00
629	AHU-1-Ross Campus Aii	9/9/2015	9/9/2015	12,695.62			12,695.62	2,328.00	1,270.00		3,598.00
630	AHU-2-Ross Campus Aii	9/9/2015	9/9/2015	12,695.62			12,695.62	2,328.00	1,270.00		3,598.00
631	DOAS-1Ross Campus Ai	9/9/2015	9/9/2015	11,691.80			11,691.80	2,143.00	1,169.00		3,312.00
632	Chiller CH-1 Ross Camp	9/9/2015	9/9/2015	57,680.96			57,680.96	10,575.00	5,768.00		16,343.00
633	AHU-1 BSUCleanroom /	9/9/2015	9/9/2015	20,988.00			20,988.00	3,848.00	2,099.00		5,947.00
634	Heat Exchanger Ross Cai	9/9/2015	9/9/2015	26,581.62			26,581.62	4,873.00	2,658.00		7,531.00
635	Liq.NitrogenDistri.Syster	9/9/2015	9/9/2015	22,654.00			22,654.00	4,153.00	2,265.00		6,418.00
612	Polycom16ChannelMicV	10/14/2015	10/14/2015	8,030.30			8,030.30	2,810.00	1,606.00		4,416.00
613	3-Series Digital Media Pr	10/14/2015	10/14/2015	7,464.30			7,464.30	2,613.00	1,493.00		4,106.00
614	Polycom EagleEyeVCam	10/14/2015	10/14/2015	12,259.30			12,259.30	4,291.00	2,452.00		6,743.00
615	Hitachi CPWU9411 Proje	10/14/2015	10/14/2015	13,803.30			13,803.30	4,831.00	2,761.00		7,592.00
616	SMART Board 84 Flat Pi	10/14/2015	10/14/2015	16,331.32			16,331.32	5,716.00	3,266.00		8,982.00
617	Polycom 16 Channel Mic	10/14/2015	10/14/2015	8,030.30			8,030.30	2,810.00	1,606.00		4,416.00
618	Polycom 16Channel Micl	10/14/2015	10/14/2015	8,030.30			8,030.30	2,810.00	1,606.00		4,416.00
619	Crestron 3 Series Digital	10/14/2015	10/14/2015	7,464.30			7,464.30	2,613.00	1,493.00		4,106.00
620	Polycom Eagle Eye V Ca	10/14/2015	10/14/2015	12,259.30			12,259.30	4,291.00	2,452.00		6,743.00
611	Yates Skip Bonnet E-Z F:	10/24/2015	10/24/2015	30,147.20			30,147.20	5,025.00	3,015.00		8,040.00
628	ET Globe Valve - Fisher l	2/8/2016	2/8/2016	8,978.72			8,978.72	1,272.00	898.00		2,170.00
625	LG 79" TV	3/14/2016	3/14/2016	8,040.11			8,040.11	2,144.00	1,608.00		3,752.00
626	Cable Puller Assembly	3/16/2016	3/16/2016	5,763.01			5,763.01	720.00	576.00		1,296.00
651	Yates Skip Bonnet W/De	3/25/2016	3/25/2016	16,040.25			16,040.25	2,005.00	1,604.00		3,609.00
627	IVAC PV500 Vacuum Sy	5/27/2016	5/27/2016	47,984.50			47,984.50	5,198.00	4,798.00		9,996.00
654	Snow Plow 8'6" VPlow Jr	12/6/2016	12/6/2016	6,594.00			6,594.00	385.00	659.00		1,044.00
656	Milliken 16"Eccent.Plug	1/3/2017	1/3/2017	10,030.30			10,030.30	502.00	1,003.00		1,505.00
657	Milliken 8" Eccent. Plug	1/3/2017	1/3/2017	5,746.55			5,746.55	287.00	575.00		862.00
658	McCrometer Mag-Flo Me	1/3/2017	1/3/2017	6,979.65			6,979.65	349.00	698.00		1,047.00

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Sys ID Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
140 - Equipment & Fixtures										
676 Radon Removal System	6/30/2017	6/30/2017	421,974.38			421,974.38		42,197.00		42,197.00
678 Atlas Copco Air Compres	6/30/2017	6/30/2017	26,300.00			26,300.00		2,630.00		2,630.00
679 Atlas Copco Air Dryer R	6/30/2017	6/30/2017	7,425.00			7,425.00		742.00		742.00
680 RO Reverse Osmosis Sys	6/30/2017	6/30/2017	49,328.24			49,328.24		4,933.00		4,933.00
681 FCU-1 Fan-RadonRemBl	6/30/2017	6/30/2017	7,556.82			7,556.82		756.00		756.00
			10,899,565.96	0.00	(304,600.90)	10,594,965.06	4,391,887.63	728,293.00	(213,413.78)	4,906,766.85
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	38,131.26	4,486.00		42,617.26
251 Blinds - Admin Bldg	2/1/2009	2/1/2009	5,035.75			5,035.75	4,241.82	504.00		4,745.82
			74,211.50	0.00	0.00	74,211.50	44,250.33	4,990.00	0.00	49,240.33
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	3,613.43	334.00		3,947.43
263 Power Line East Sub Stat	7/27/2007	7/27/2007	31,222.00			31,222.00	5,616.44	624.00		6,240.44
269 Ross Guard Station	5/31/2008	5/31/2008	8,617.06			8,617.06	1,548.34	172.00		1,720.34
271 Ross Hoist Building	6/30/2008	6/30/2008	197,674.59			197,674.59	35,577.49	3,953.00		39,530.49
286 Kitchen Improvements -	6/30/2008	6/30/2008	5,792.72			5,792.72	1,043.85	116.00		1,159.85
259 Gas Line System (Existin	7/1/2008	7/1/2008	5,795.00			5,795.00	2,087.80	232.00		2,319.80
261 Parking Lot - Admin Are	7/1/2008	7/1/2008	60,000.00			60,000.00	27,000.00	3,000.00		30,000.00
264 Power Line Oro Hondo 6'	7/1/2008	7/1/2008	8,250.00			8,250.00	1,485.00	165.00		1,650.00
265 Power Line Ross 69KV P	7/1/2008	7/1/2008	25,000.00			25,000.00	4,500.00	500.00		5,000.00
267 Rail System Underground	7/1/2008	7/1/2008	61,267.89			61,267.89	11,025.36	1,225.00		12,250.36
275 Ross Yard (Gravel Yard)	7/1/2008	7/1/2008	22,277.00			22,277.00	5,012.93	557.00		5,569.93
282 Yates Yard (Gravel Yard)	7/1/2008	7/1/2008	16,282.20			16,282.20	3,663.06	407.00		4,070.06
277 Yates Gas Line	11/24/2008	11/24/2008	17,695.65			17,695.65	6,076.90	708.00		6,784.90
288 Carpet/Vinyl - Admin Bl	1/1/2009	1/1/2009	53,826.21			53,826.21	45,755.31	5,383.00		51,138.31
256 Communications - Ross S	2/18/2009	2/18/2009	10,340.00			10,340.00	5,741.78	689.00		6,430.78
257 Communications - Yates	2/18/2009	2/18/2009	57,716.63			57,716.63	32,066.59	3,848.00		35,914.59
266 Propane Storage Building	2/25/2009	2/25/2009	16,200.00			16,200.00	2,700.00	324.00		3,024.00
270 Ross Headframe Crusher	3/1/2009	3/1/2009	26,409.12			26,409.12	4,400.06	528.00		4,928.06
278 Yates Headframe/Crusher	3/1/2009	3/1/2009	33,519.74			33,519.74	5,583.46	670.00		6,253.46
280 Yates Safety/Dry Buildin	3/1/2009	3/1/2009	52,177.41			52,177.41	8,699.85	1,044.00		9,743.85

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
160 - Improvements											
260	IT Room Electrical/Instal	3/4/2009	3/4/2009	41,618.32			41,618.32	17,341.64	2,081.00		19,422.64
279	Yates Hoist Building	4/14/2009	4/14/2009	159,110.28			159,110.28	26,251.55	3,182.00		29,433.55
272	Ross Pump System	6/12/2009	6/12/2009	963,663.60			963,663.60	311,588.00	38,547.00		350,135.00
258	Fiber Optic Network Syst	6/30/2009	6/30/2009	17,541.98			17,541.98	7,016.00	877.00		7,893.00
262	Power Distribution	6/30/2009	6/30/2009	783,887.52			783,887.52	125,424.00	15,678.00		141,102.00
268	Ross Dry Building	6/30/2009	6/30/2009	63,368.30			63,368.30	10,136.00	1,267.00		11,403.00
273	Ross Shaft	6/30/2009	6/30/2009	9,773,260.40			9,773,260.40	1,563,720.00	195,465.00		1,759,185.00
274	Ross Substation	6/30/2009	6/30/2009	277,760.27			277,760.27	44,440.00	5,555.00		49,995.00
276	WWTP Improvements	6/30/2009	6/30/2009	660,400.84			660,400.84	105,664.00	13,208.00		118,872.00
281	Yates Shaft	6/30/2009	6/30/2009	4,694,581.28			4,694,581.28	751,136.00	93,892.00		845,028.00
287	Admin Bldg Improvemen	6/30/2009	6/30/2009	382,643.40			382,643.40	61,224.00	7,653.00		68,877.00
407	Ross Substation Upgrade	3/1/2010	3/1/2010	79,000.94			79,000.94	11,587.00	1,580.00		13,167.00
409	Yates Shaft	4/1/2010	4/1/2010	2,185,614.49			2,185,614.49	316,912.00	43,712.00		360,624.00
402	LUX Surface Lab	5/1/2010	5/1/2010	1,563,830.79			1,563,830.79	224,152.00	31,277.00		255,429.00
403	Oro Hondo Substation Uj	5/15/2010	5/15/2010	85,015.90			85,015.90	12,183.00	1,700.00		13,883.00
404	Pole Frame Building	6/1/2010	6/1/2010	14,183.70			14,183.70	2,012.00	284.00		2,296.00
408	Yates Fencing	6/15/2010	6/15/2010	10,469.70			10,469.70	3,705.00	523.00		4,228.00
401	Fiber Optic Network Syst	6/30/2010	6/30/2010	19,495.55			19,495.55	6,825.00	975.00		7,800.00
405	Power Distribution Upgre	6/30/2010	6/30/2010	341,565.29			341,565.29	47,817.00	6,831.00		54,648.00
406	Ross Pumping System	6/30/2010	6/30/2010	159,652.84			159,652.84	44,702.00	6,386.00		51,088.00
447	Yates Parking Lot Resurf	9/24/2010	9/24/2010	259,641.41			259,641.41	175,257.00	25,964.00		201,221.00
445	Majorana Shotcreting Imj	10/15/2010	10/15/2010	268,602.24			268,602.24	60,433.00	8,953.00		69,386.00
428	Ross Dry Renovations	10/30/2010	10/30/2010	243,726.84			243,726.84	32,500.00	4,875.00		37,375.00
431	Yates E&O Dry Renovati	11/30/2010	11/30/2010	214,711.49			214,711.49	28,269.00	4,294.00		32,563.00
434	Communications Improvc	6/30/2011	6/30/2011	89,807.33			89,807.33	35,922.00	5,987.00		41,909.00
435	Power Distribution Impro	6/30/2011	6/30/2011	108,274.04			108,274.04	12,990.00	2,165.00		15,155.00
436	Fiber Optic Network Syst	6/30/2011	6/30/2011	24,228.00			24,228.00	7,266.00	1,211.00		8,477.00
437	Ross Pump System Imprc	6/30/2011	6/30/2011	17,311.87			17,311.87	4,152.00	692.00		4,844.00
443	Davis Shotcreting Improv	6/30/2011	7/1/2011	857,538.24			857,538.24	171,510.00	28,585.00		200,095.00
481	Improvements to Yates R	5/1/2012	5/1/2012	42,785.45			42,785.45	4,423.00	856.00		5,279.00
510	Davis Campus Laborator	11/30/2012	11/30/2012	8,453,584.87			8,453,584.87	1,291,519.00	281,786.00		1,573,305.00
527	Ross Gas Line	1/14/2013	1/14/2013	15,873.11			15,873.11	2,857.00	635.00		3,492.00
521	4850 Refuge Area	2/1/2013	2/1/2013	175,941.14			175,941.14	38,853.00	-8,797.00		47,650.00
642	Ross Campus Shotcrete F	7/1/2015	7/1/2015	419,793.13			419,793.13	27,986.00	13,993.00		41,979.00
643	Ross Campus Laboratory	9/9/2015	9/9/2015	2,541,235.84			2,541,235.84	155,298.00	84,708.00		240,006.00

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Sys ID	Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
160 - Improvements											
644	Ross Water Suppression	2/8/2016	2/8/2016	232,972.47			232,972.47	13,202.00	9,319.00		22,521.00
684	Thermal Insulation Davis	1/30/2017	1/30/2017	45,636.90			45,636.90	1,902.00	4,564.00		6,466.00
687	Surface Lab Bldg.IMP	9/15/2017	9/15/2017		461,088.32		461,088.32		7,685.00		7,685.00
				37,052,178.87	461,088.32	0.00	37,513,267.19	6,008,444.40	990,221.00	0.00	6,998,665.40
170 - Improvements in Progress											
477	Improvements in Progress	6/30/2012	6/30/2012	934,406.24			934,406.24				0.00
529	Improvement in Progress	6/30/2013	6/30/2013	1,635,423.51			1,635,423.51				0.00
535	Ross Shaft Labor/SCC/EI	6/30/2013	6/30/2013	1,096,843.28			1,096,843.28				0.00
557	Ross Shaft Rehab FY14	6/30/2014	6/30/2014	3,873,268.01			3,873,268.01				0.00
561	CASPAR Experiment De	6/30/2014	6/30/2014	30,234.06		(30,234.06)	0.00				0.00
563	Ross Rehab FY14 SCC/L	6/30/2014	6/30/2014	1,216,243.78			1,216,243.78				0.00
604	Ross Shaft Rehab FY201	6/30/2015	6/30/2015	6,331,306.42			6,331,306.42				0.00
608	CASPAR Experiment De	6/30/2015	6/30/2015	668,419.00		(668,419.00)	0.00				0.00
648	Ross Rehab Rehab FY16	6/30/2016	6/30/2016	1,141,668.38			1,141,668.38				0.00
649	Ross Rehab FY16 Labor/	6/30/2016	6/30/2016	1,436,075.93			1,436,075.93				0.00
650	LZ Facility Upgrades	6/30/2016	6/30/2016	119,694.93			119,694.93				0.00
652	CASPAR Experiment De	6/30/2016	6/30/2016	139,821.86		(139,821.86)	0.00				0.00
675	CASPAR Exp.Dev.	6/30/2017	6/30/2017	76,663.98		(76,663.98)	0.00				0.00
685	Ellison Bldg.Asbestos Ab	6/30/2017	6/30/2017	26,379.25		(26,379.25)	0.00				0.00
690	LZ Water Tank Imp.Prog	6/30/2018	6/30/2018		123,441.52		123,441.52				0.00
691	LZ UG Facility Upgrades	6/30/2018	6/30/2018		175,496.51		175,496.51				0.00
				18,726,448.63	298,938.03	(941,518.15)	18,083,868.51	0.00	0.00	0.00	0.00
180 - Infrastructure											
294	Road Gravel WWTP East	7/1/2008	7/1/2008	48,846.60			48,846.60	10,989.17	1,221.00		12,210.17
296	Road Gravel Yates Hillside	7/1/2008	7/1/2008	5,159.00			5,159.00	1,160.98	129.00		1,289.98
298	Sewer Line System	7/1/2008	7/1/2008	14,850.00			14,850.00	5,346.00	594.00		5,940.00
300	Water Line System (Historic)	7/1/2008	7/1/2008	38,150.00			38,150.00	13,734.00	1,526.00		15,260.00
301	Water Line System (Other)	7/1/2008	7/1/2008	25,675.00			25,675.00	9,243.00	1,027.00		10,270.00
292	Concrete Cooling Basins	8/1/2008	8/1/2008	25,000.00			25,000.00	4,458.33	500.00		4,958.33
293	Concrete Vault System	8/1/2008	8/1/2008	25,000.00			25,000.00	4,458.33	500.00		4,958.33
290	Mill Reservoir	10/30/2008	10/30/2008	117,540.85			117,540.85	20,375.21	2,351.00		22,726.21
297	Sewer Line - Backwash	11/1/2008	11/1/2008	155,156.08			155,156.08	53,785.50	6,206.00		59,991.50
291	Clarifier - WWTP	11/25/2008	11/25/2008	117,245.74			117,245.74	20,127.87	2,345.00		22,472.87
414	Grizzly Gulch Decant Pip	1/1/2011	1/1/2011	1,060,808.89			1,060,808.89	137,904.00	21,216.00		159,120.00
415	Ross Potable Water Line	1/1/2011	1/1/2011	24,810.00			24,810.00	6,448.00	992.00		7,440.00

Cost of Fixed Assets

Accumulated Depreciation

000 - SD Science & Technology Authority

Sys ID Description	Acquire	In Service	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
180 - Infrastructure										
655 Water Inflow Pipe System	1/3/2017	1/3/2017	241,210.06			241,210.06	4,824.00	9,648.00		14,472.00
665 Water Inflow Pipe Fusion	3/15/2017	3/15/2017	20,459.22			20,459.22	273.00	818.00		1,091.00
673 Ellison Gravel Road	6/12/2017	6/12/2017	25,400.25			25,400.25	106.00	1,270.00		1,376.00
674 Ellison Paved Road	6/12/2017	6/12/2017	13,550.65			13,550.65	28.00	339.00		367.00
			1,958,862.34	0.00	0.00	1,958,862.34	293,261.39	50,682.00	0.00	343,943.39
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 Enviromer	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 Hazz	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 AssetsAccumulated Depreciation

Summary

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	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
110 - Automobiles	108,962.53	0.00	0.00	108,962.53	70,319.94	5,087.00	0.00	75,406.94
120 - Building	7,505,085.46	615,530.88	0.00	8,120,616.34	1,753,609.29	161,652.00	0.00	1,915,261.29
130 - Computer Hardware	434,783.19	38,555.00	(41,773.02)	431,565.17	310,321.17	38,174.44	(41,772.00)	306,723.61
140 - Equipment & Fixtures	10,899,565.96	0.00	(304,600.90)	10,594,965.06	4,391,887.63	728,293.00	(213,413.78)	4,906,766.85
150 - Furniture & Fixtures	74,211.50	0.00	0.00	74,211.50	44,250.33	4,990.00	0.00	49,240.33
160 - Improvements	37,052,178.87	461,088.32	0.00	37,513,267.19	6,008,444.40	990,221.00	0.00	6,998,665.40
170 - Improvements in Progress	18,726,448.63	298,938.03	(941,518.15)	18,083,868.51	0.00	0.00	0.00	0.00
180 - Infrastructure	1,958,862.34	0.00	0.00	1,958,862.34	293,261.39	50,682.00	0.00	343,943.39
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
	96,581,190.05	1,414,112.23	(1,287,892.07)	96,707,410.21	12,872,094.15	1,979,099.44	(255,185.78)	14,596,007.81

Cost of Fixed Assets

Accumulated Depreciation

Combined	Beginning	Additions	Retired	Ending	Beginning	YTD 6/30/2018	Retired	Ending
110 - Automobiles	108,962.53	0.00	0.00	108,962.53	70,319.94	5,087.00	0.00	75,406.94
120 - Building	7,505,085.46	615,530.88	0.00	8,120,616.34	1,753,609.29	161,652.00	0.00	1,915,261.29
130 - Computer Hardware	434,783.19	38,555.00	(41,773.02)	431,565.17	310,321.17	38,174.44	(41,772.00)	306,723.61
140 - Equipment & Fixtures	10,899,565.96	0.00	(304,600.90)	10,594,965.06	4,391,887.63	728,293.00	(213,413.78)	4,906,766.85
150 - Furniture & Fixtures	74,211.50	0.00	0.00	74,211.50	44,250.33	4,990.00	0.00	49,240.33
160 - Improvements	37,052,178.87	461,088.32	0.00	37,513,267.19	6,008,444.40	990,221.00	0.00	6,998,665.40
170 - Improvements in Progress	18,726,448.63	298,938.03	(941,518.15)	18,083,868.51	0.00	0.00	0.00	0.00
180 - Infrastructure	1,958,862.34	0.00	0.00	1,958,862.34	293,261.39	50,682.00	0.00	343,943.39
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>96,581,190.05</u>	<u>1,414,112.23</u>	<u>(1,287,892.07)</u>	<u>96,707,410.21</u>	<u>12,872,094.15</u>	<u>1,979,099.44</u>	<u>(255,185.78)</u>	<u>14,596,007.81</u>

PROPERTY MANAGEMENT SYSTEM ASSESSMENT
PROPERTY REPORT CERTIFICATE
PROPERTY REPORT

Subcontract Number: 629760

Black print=
Fermilab #s
Red print=
historical #s

Date: 9.1.18

Subcontractor Property Identification Number	Qty	Property Description, Manufacturer Name, Agreement No.	DOE/FRA Property Number	SDSTA Asset #	Serial Number	Model Number	Location	Acquisition Date	Condition at purchase	Grams	Unit Cost	Total Cost	Tagged	Notes
1	1	Fluke Three Phase Quality Analyzer Meter [PO #3019]	6761832 130070	TS-TMB07-01	12990014	435	Director of Facility Infrastructure's office	2012-03	1	n/a	\$ 5,895.00	\$ 5,895.00	Tagged	
2	1	Flygt Submersible Power Cable (150' @\$ 38.82/ft.) [PO #2929]	Gold Tag		none	FLY94-21-11	SDSTA/Yates Shaft 4850L	2012-02	1	n/a	\$ 5,823.00	\$ 5,823.00		450 Feet Reels for \$30.00 a foot out of Sweden (in Yates Sump) 2.8.2018
3	1	Allen Bradley Flex Solid State Con-troller [PO #2860]	6761818 130057	MC-YSU48-01	none	2752991	SDSTA/Yates Shaft 4850L	2012-01	1	n/a	\$ 5,375.00	\$ 5,375.00	Tagged	
4	1	Dell Equal Logic SAN [PO #2959]	6761825 130058	SV-YSS12-20	50DMKS1	PS4100Xi SCSI	SDSTA Admin Bldg Server Room	2012-03	1	n/a	\$ 38,950.00	\$ 38,950.00	Tagged	
5	1	Thern Ceiling Mount Winch [PO #2896]	Gold Tag		4012-64281	4WS6M12	SDSTA 4850L Yates Station	2012-05	1	n/a	\$ 6,360.00	\$ 6,360.00	Tagged	
5	1	Thern Single Speed Control [PO #2896]	Gold Tag		none	1057E4	SDSTA 4850L Yates Station	2012-05	1	n/a	\$ 1,055.00	\$ 1,055.00	Tagged	
6	1	Corning 96 Count Figure 8 Fiber Optic Cable (5000' @\$ 1.93/ft) [PO #3163]	Gold Tag		none	096-EUA-T4101D20	SDSTA/Yates Shaft	2012-06	1	n/a	\$ 9,650.00	\$ 9,650.00		
7	1	Commercial Evolution Series 8' "Pivot Gate" [PO #3524]	Gold Tag		ES810-01007	CGC-ES810	SDSTA/Ross	2012-10	1	n/a	\$ 15,489.50	\$ 15,489.50	Tagged	
8	1	Flygt Submersible Pump with Agitator 50' Cable (No Control) 30 hp [PO #3699]	Gold Tag		1280005	5100.251A	SDSTA/Ross Shaft 5000L	2013-01	1	n/a	\$ 20,500.00	\$ 20,500.00	Tagged	Trash Pump located in the Ross Maintenance Shop Usable 2.8.2018
9	1	R&M 5-ton Electric Chain Hoist [PO #4043]	Gold Tag		10026149	LM25-5-015LM12TZC1	SDSTA 4850L Governor's Corner	2013-05	1	n/a	\$ 5,133.00	\$ 5,133.00	Tagged	
10	1	Vigilant VM Panel (REMICA mic & mounting box, Ethernet & NOC Cards, VM Control switches, Duct Detector, 2-RLCD-C Annunciators) [PO #13064]	6774245 130059	EP-DVU48-01	none	Vigilant VM- RCCM/D #260512	4850L Davis Campus Fire Alarm System	2013-06	1	n/a	\$ 18,333.70	\$ 18,333.70	Tagged	
11 CORR	1	Staticon Battery Charger [PO #4138]	Gold Tag		S/N 032961	MPL36F600M1	1700L Yates Station	2013-07	1	n/a	\$ 5,689.00	\$ 5,689.00	Tagged	
12	1	Fujikura 705 Fusion Splicer w/Cleaver & Battery Drop [PO #4252]	6774177 130060	TL-TMB07-12	VG239CX06DPEN4CZ	Stock #AFL FSM-705/S015591	Ross Hoist Cyber Tool Room	2013-07	1	n/a	\$ 15,752.93	\$ 15,752.93	Tagged	
13	1	Baldor 400 hp, 547 amp Power Module (PO #4321)	Gold Tag		550210008EF	VSI PF4400-9L	5 Shaft	2013-08	1	n/a	\$8,800.00	\$8,800.00	Tagged	
14	1	Flygt Submersible Pump Model 2670, 27 hp (PO #4310)	6774160 130061	PU-XXB99-08	1350012	Model 2670	2600' Yates Pump Station	2013-08	1	n/a	\$12,556.00	\$12,556.00		At Pipe Shop needs repaired don't know what is wrong with it Northern Dewatering can take a look at if we need them to 2.8.2018

15	1	Sullair 185 Portable Air Compressor 2013 SU 185DLQ (PO 4206)	6774153 130062	CO-XXB99-09	Air Compressor SN 201308070067 John Deere Engine SN PE4024R129152	Model 49HP/185/B DLQ/JD14 EPA	UG Hazard Mitigation	2013-08	1	n/a	\$13,507.00	\$13,507.00	Tagged
16	1	Fluke OptiFiber Pro OTDR Fiber Testing Tool (PO #4302)	6777741 130063	TS-TMB07-02	2298620	Factory Build to Order	Ross Hoist Cyber Tool Room	2013-08	1	n/a	\$13,178.88	\$13,178.88	Tagged
17	1	Cornell 6H-F16 Frame Mounted Pump/Motor Assembly (PO 4324)	129953	PU-XXB99-27	Pump/Motor Assembly SN 187888; 100 HP Motor SN A1309122094	6H-F16	SDSTA/YRoss Shaft 2600L	2013-10	1	n/a	\$20,823.75	\$20,823.75	
18	1	Cornell 6H-F16K Spare Pump (PO 4324)	Gold Tag		Pump End only SN 187892	6H-F16K	Warehouse (until needed)	2013-10	1	n/a	\$6,867.90	\$6,867.90	Tagged
19	1	Maestro Vigilante AQS Air Quality Station (PO 4326)	Gold Tag		none	VAQS-PF-PF-G002-NR-NR-NR-NR-MB-IM-SP1-SP2-SP3	Oro Hondo Fan	2013-11	1	n/a	\$7,175.00	\$7,175.00	Tagged
20	1	Wheelift Transporter Model (Auto Guided Daya Bay vehicle - Mod 20)	DOE# 6690569 (GFP) 130064	ME-XXS99-02	none	Model C5280	Yates Crusher Room	2014-01	4	n/a	\$919,808.00	\$919,808.00	This is LBNL Property not transferred to FNAL. Title will be transferred to SDSTA in April 2018. Please remove FNAL tag 130064
21	1	Movex Twin Track 66 Track-O-lift, stair climber, remote, sides/backrest (PO 4739)	6777727 130065	ME-XXB99-01	Serial Number 14011421CA045236-2	Twin-Track 66	4850L Yates Shaft Davis Campus	2014-02	1	n/a	\$ 25,455.00	\$25,455.00	Tagged
22	2	Titan Air Make-Up Units Natural Gas, 50,000 CFM, 3,620,000 BTU (PO 4613)	#1 - 6777703 130066 #2 - 6777710 130067		Unit #1 - SN 15028 Unit #2 - SN 15029	Unit #1 - Model TA-133 NG HLH DA Unit #2 - Model TA-133 NG HRH DA	#1 - Ross Shaft #2 - Yates Shaft	2014-02	1	n/a	\$ 31,215.00	\$ 62,430.00	Tagged
23	1	CAF-960-5 Blow-Through/Wall Supply-Air Package Fan (PO 4833)	Gold Tag		Serial Number E3792	Model CAF-960-5 Filtered Supply Fan	Temporary Clean Room - Ross 4850L	2014-03	1	n/a	\$ 6,995.00	\$ 6,995.00	Tagged
24	1	Big Blue 300 Pro Kubota CC/CV (1800 RPM) Welder (PO 4981)	6777659 130068		Serial Number ME160009E	MIL907521	Hazard Mitigation Crew 4850L	2014-05	1	n/a	\$ 10,445.00	\$ 10,445.00	Tagged
25	2	Warren Battery mtd in Std Trojan Battery Box (PO 5495)	Gold Tag		Batteries: SN 73362 & 73363	36C 72V 510AH	UG locations	2014-10	1	n/a	\$ 9,583.00	\$ 19,166.00	Tagged
26	1	Bobcat SB200 Snowblower X 78 attachment (PO 5836)	Gold Tag		713004771	SB200	Surface - WWTP	2015-02	1	n/a	\$ 6,133.00	\$ 6,133.00	Tagged
27	1	Benson Medical CCA-200mini Plus System Audiometer (PO 6082)	Gold Tag		68205	CCA-200mini (Item #500303-13)	E&O Bldg.	2015-04	1	n/a	\$ 5,990.00	\$ 5,990.00	Tagged
28	3	Fisher 2" 300RF ETCVII Industrial Water Boxes	Gold Tag		15933881	ET-771-75297	Yates Shaft	2015-12	1	n/a	\$ 6,376.00	\$ 19,128.00	
29	1	2016 John Deere 324K loader w/bucket, chains, spare	6804034 130069		1LU324KXLZB040867	324K	Surface	2016-02	1	n/a	\$ 104,791.61	\$ 104,791.61	Tagged
30	1	2016 DYMAX Inc Forks-48 for JD 324K loader	Gold Tag		WGS2706	DYMAX 48	Surface	2016-02	1	n/a	\$ 5,365.39	\$ 5,365.39	Tagged
30a	1	Block heater for #30	n/a		8800239723	Powerplan B/F	Surface	2016-03	1	n/a	\$ 754.96	\$ 754.96	Tagged

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PER DIEM PAYMENTS MADE TO BOARD MEMBERS IN FY 2018

<u>Date</u>	<u>Name</u>	<u>Purpose</u>	<u>Amount</u>
07/14/17	Pat Lebrun	7/12/17 Attending CASPAR ribbon cutting on site	75.00
07/14/17	Casey Peterson	7/12/17 Attending CASPAR ribbon cutting on site	75.00
07/28/17	Pat Lebrun	7/21/17 LBNF Groundbreaking at SURF	75.00
07/28/17	Casey Peterson	7/21/17 LBNF Groundbreaking at SURF	75.00
07/28/17	Robert Wilson	7/21/17 LBNF Groundbreaking at SURF	75.00
08/25/17	Paul Christen	8/21/17 Audit Committee Teleconference.	75.00
08/25/17	Pat Lebrun	8/21/17 Audit Committee Teleconference; review of meeting minutes.	75.00
08/25/17	Casey Peterson	SDSTA safety discussions with Mike Headley in August.	75.00
09/22/17	Paul Christen	Sep 21, 2017 Quarterly BoD Meeting at lab	150.00
09/22/17	Pat Lebrun	Sep 14, CAC Mtg; Sep 21, 2017 Quarterly BoD Meeting at lab	150.00
09/22/17	Casey Peterson	Sep 21, 2017 Quarterly BoD Meeting at lab	75.00
09/22/17	Robert Wilson	Sep 21, 2017 Quarterly BoD Meeting by phone	75.00
10/06/17	Casey Peterson	9/25, 9/27 and 10/3/17 DUNE discussions at SDSMT	225.00
11/03/17	Paul Christen	10/25 Audit Cmte Teleconference	75.00
11/03/17	Pat Lebrun	10/25 Audit Cmte Teleconference	75.00
11/03/17	Casey Peterson	10/29, 10/30, 10/31 Strategic planning meeting at Femilab.	225.00
12/15/17	Dr. Ani Aprahamian	12/14/17 SDSTA Board Mtg, phone	75.00
12/15/17	Paul Christen	12/14/17 SDSTA Board Mtg, person (plane)	75.00
12/15/17	Dana Dykhouse	12/14/17 SDSTA Board Mtg, phone	75.00
12/15/17	Pat Lebrun	12/14/17 SDSTA Board Mtg, person	75.00
12/15/17	Casey Peterson	12/14/17 SDSTA Board Mtg, person	75.00
12/15/17	Robert Wilson	12/14/17 SDSTA Board Mtg, phone	75.00
02/23/18	Casey Peterson	2/17/18 - Discussions with Mike Headley	75.00
03/23/18	Pat Lebrun	2/28 Cultural Advisory Cmte Meeting (by telephone)	75.00
04/06/18	Paul Christen	3/29/18 Quarterly SDSTA BoD meeting, by phone	75.00
04/06/18	Dana Dykhouse	3/29/18 Quarterly SDSTA BoD meeting	75.00
04/06/18	Pat Lebrun	3/29/18 Quarterly SDSTA BoD meeting, by phone	75.00
04/06/18	Casey Peterson	3/29/18 Quarterly SDSTA BoD meeting	75.00
04/06/18	Robert Wilson	3/29/18 Quarterly SDSTA BoD meeting, by phone	75.00
05/04/18	Paul Christen	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
05/04/18	Dana Dykhouse	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
05/04/18	Pat Lebrun	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
05/04/18	Casey Peterson	4/27 SDSTA discussions; 5/1/18 SDSTA BoD Telephonic Special Meeting	150.00
05/04/18	Robert Wilson	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
06/01/18	Dr. Ani Aprahamian	5/31 met as nominating committee for June election of officers	75.00
06/01/18	Dana Dykhouse	5/31 met as nominating committee for June election of officers	75.00
06/01/18	Casey Peterson	5/21 SPAC Conference Call, 5/22 McBrearty Visit at Sanford Lab	150.00
06/29/18	Dr. Ani Aprahamian	6/28/18 SDSTA Annual Board Meeting, 2 travel days	225.00
06/29/18	Paul Christen	6/28/18 SDSTA Annual Board Meeting	75.00
06/29/18	Dana Dykhouse	6/28/18 SDSTA Annual Board Meeting	75.00
06/29/18	Pat Lebrun	6/27/18 CAC Meeting, 6/28/18 SDSTA Annual Board Meeting	150.00
06/29/18	Casey Peterson	6/28/18 SDSTA Annual Board Meeting	75.00

PER DIEM PAYMENTS MADE TO BOARD MEMBERS IN FY 2018

<u>Date</u>	<u>Name</u>	<u>Purpose</u>	<u>Amount</u>
06/29/18	Robert Wilson	6/28/18 SDSTA Annual Board Meeting, by phone	75.00
			Total \$4,050.00

Ani Aprahamian

12/15/17	Dr. Ani Aprahamian	12/14/17 SDSTA Board Mtg, phone	75.00
06/01/18	Dr. Ani Aprahamian	5/31 met as nominating committee for June election of officers	75.00
06/29/18	Dr. Ani Aprahamian	6/28/18 SDSTA Annual Board Meeting, 2 travel days	225.00
			Aprahamian Total \$375.00

Paul Christen

08/25/17	Paul Christen	8/21/17 Audit Committee Teleconference.	75.00
09/22/17	Paul Christen	Sep 21, 2017 Quarterly BoD Meeting at lab	150.00
11/03/17	Paul Christen	10/25 Audit Cmte Teleconference	75.00
12/15/17	Paul Christen	12/14/17 SDSTA Board Mtg, person (plane)	75.00
04/06/18	Paul Christen	3/29/18 Quarterly SDSTA BoD meeting, by phone	75.00
05/04/18	Paul Christen	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
06/29/18	Paul Christen	6/28/18 SDSTA Annual Board Meeting	75.00
			Christen Total \$600.00

DANA DYKHOUSE

12/15/17	Dana Dykhous	12/14/17 SDSTA Board Mtg, phone	75.00
04/06/18	Dana Dykhous	3/29/18 Quarterly SDSTA BoD meeting	75.00
05/04/18	Dana Dykhous	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
06/01/18	Dana Dykhous	5/31 met as nominating committee for June election of officers	75.00
06/29/18	Dana Dykhous	6/28/18 SDSTA Annual Board Meeting	75.00
			Dykhous Total \$375.00

PAT LEBRUN

07/14/17	Pat Lebrun	7/12/17 Attending CASPAR ribbon cutting on site	75.00
07/28/17	Pat Lebrun	7/21/17 LBNF Groundbreaking at SURF	75.00
08/25/17	Pat Lebrun	8/21/17 Audit Committee Teleconference; review of meeting minutes.	75.00
09/22/17	Pat Lebrun	Sep 14, CAC Mtg; Sep 21, 2017 Quarterly BoD Meeting at lab	150.00
11/03/17	Pat Lebrun	10/25 Audit Cmte Teleconference	75.00
12/15/17	Pat Lebrun	12/14/17 SDSTA Board Mtg, person	75.00
03/23/18	Pat Lebrun	2/28 Cultural Advisory Cmte Meeting (by telephone)	75.00
04/06/18	Pat Lebrun	3/29/18 Quarterly SDSTA BoD meeting, by phone	75.00
05/04/18	Pat Lebrun	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
06/29/18	Pat Lebrun	6/27/18 CAC Meeting, 6/28/18 SDSTA Annual Board Meeting	150.00

PER DIEM PAYMENTS MADE TO BOARD MEMBERS IN FY 2018

<u>Date</u>	<u>Name</u>	<u>Purpose</u>	<u>Amount</u>
			Lebrun Total
			\$900.00
<u>CASEY PETERSON</u>			
07/14/17	Casey Peterson	7/12/17 Attending CASPAR ribbon cutting on site	75.00
07/28/17	Casey Peterson	7/21/17 LBNF Groundbreaking at SURF	75.00
08/25/17	Casey Peterson	SDSTA safety discussions with Mike Headley in August.	75.00
09/22/17	Casey Peterson	Sep 21, 2017 Quarterly BoD Meeting at lab	75.00
10/06/17	Casey Peterson	9/25, 9/27 and 10/3/17 DUNE discussions at SDSMT	225.00
11/03/17	Casey Peterson	10/29, 10/30, 10/31 Strategic planning meeting at Fermilab.	225.00
12/15/17	Casey Peterson	12/14/17 SDSTA Board Mtg, person	75.00
02/23/18	Casey Peterson	2/17/18 - Discussions with Mike Headley	75.00
04/06/18	Casey Peterson	3/29/18 Quarterly SDSTA BoD meeting	75.00
05/04/18	Casey Peterson	4/27 SDSTA discussions; 5/1/18 SDSTA BoD Telephonic Special Meeting	150.00
06/01/18	Casey Peterson	5/21 SPAC Conference Call, 5/22 McBrearty Visit at Sanford Lab	150.00
06/29/18	Casey Peterson	6/28/18 SDSTA Annual Board Meeting	75.00
			Peterson Total
			\$1,350.00

<u>Robert Wilson</u>			
07/28/17	Robert Wilson	7/21/17 LBNF Groundbreaking at SURF	75.00
09/22/17	Robert Wilson	Sep 21, 2017 Quarterly BoD Meeting by phone	75.00
12/15/17	Robert Wilson	12/14/17 SDSTA Board Mtg, phone	75.00
04/06/18	Robert Wilson	3/29/18 Quarterly SDSTA BoD meeting, by phone	75.00
05/04/18	Robert Wilson	5/1/18 SDSTA BoD Telephonic Special Meeting	75.00
06/29/18	Robert Wilson	6/28/18 SDSTA Annual Board Meeting, by phone	75.00
			Wilson Total
			\$450.00

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Executive Director's Report—Mr. Mike Headley

The Executive Director's Report includes the following:

- 9A. Declaration of Surplus Property—camera, attached (informational).
- 9B. SDSTA quarterly update—August monthly report with financial summaries to be submitted to board on Sep 12, 2018
- 9C. Sanford Lab Homestake Visitor Center Update (presentation by Donna Job, Executive Director).
- 9D. LUX-ZEPLIN (LZ) update (presentation by David Taylor, SDSTA Senior Project Engineer).

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) wishes to surplus an old model digital camera on property. SDSTA has no further use for the item below:

- Canon 5 D Mark 2 Camera 24-70 Lens

I hereby declare the item listed to be Surplus Property. The SDSTA is currently seeking bids.

Dated at Lead, South Dakota this 7th day of September 2018.

A handwritten signature in blue ink, appearing to read "Mike Headley".

Mike Headley
SDSTA Executive Director

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Approval of City of Lead Lease Agreement—Mr. Tim Engel

Attached is the City of Lead Lease Agreement between the South Dakota Science and Technology Authority (SDSTA) and the City of Lead.

See recommended motion below.

Recommended Action:

Motion to approve the Lease Agreement and Termination of Existing Lease between the SDSTA and City of Lead as presented, and to authorize the Chairperson to sign the agreement.

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PREPARED BY:
Timothy M. Engel
May, Adam, Gerdes & Thompson LLP
PO Box 160
Pierre, SD 57501-0160
(605) 224-8803

LEASE AGREEMENT AND TERMINATION OF EXISTING LEASE

This Lease Agreement (“Agreement”) is hereby made and entered into effective the ____ day of _____, 2018 (the “Effective Date”) by and between the South Dakota Science and Technology Authority, a body corporate and politic, of 630 E. Summit Street, Lead, SD, 57754 (“Landlord”) and the City of Lead, a South Dakota municipal corporation, of 801 West Main, Lead, South Dakota 57754 (“Tenant”). For good and valuable consideration, the receipt and sufficiency of which is acknowledged by each party hereto, the parties AGREE as follows:

1. Termination of Existing Lease. The Lease Agreement entered into between Homestake Mining Company of California and Tenant dated September 1, 1999 is hereby terminated, effective as of the Effective Date. Landlord hereby consents and agrees to the termination of the September 1, 1999 Lease Agreement in its capacity as assignor and successor in interest to Landlord Mining Company of California’s interest in said lease.

2. Lease. (a). Landlord hereby leases to Tenant certain real property located within the City of Lead, Lawrence County, South Dakota as generally shown on the drawing attached hereto as Exhibit A, which is a portion of the real estate described as Tract F, Yates Subdivision, City of Lead, Lawrence County, South Dakota, as shown on Plat Document Number 2005-8217 (“Property”) for use as the location of its city maintenance shop and to conduct activities on the Property in connection with such use, including but not limited to the storage and maintenance of equipment. The foregoing notwithstanding, the Property does not include, and Lessee may not enter in or upon or otherwise access the locations described on the attached Exhibit A as the “(Former) Coal Chute,” “Old Substation,” or “Old High (empty)”.

(b) Tenant’s right to use the Property for the purposes stated above are exclusive, but Landlord retains the right to enter the Property and permit others to enter the Property to exercise all of the rights and incidents of ownership not expressly granted to Tenant by this Lease. Tenant further reserves the right to access Tenant’s other owned real estate through and across the established roadway through the Property.

(c) Landlord further reserves for itself a right of ingress and egress upon that portion of the Property so designated on Exhibit A for the purpose of access as provided above in subsection 2(b) and for the further purpose of ingress and egress to and through adjacent real property owned by Landlord.

(d) Landlord makes no warranty or representation as to Landlord’s title to the Property, or the condition of or zoning ordinances concerning the Property for any purpose including but not limited to the purposes for which Tenant enters into this Lease.

(e). Tenant acknowledges the following:

(i). the buildings shown on the attached Exhibit A which are owned by Landlord may contain asbestos, mold, lead paint, or other substances or materials which may be hazardous to human health;

(ii). the area designated on the attached Exhibit A as "Old Substation" may contain PCBs or other substances or materials which may be hazardous to human health;

(iii). Landlord has performed little to no maintenance on the Landlord-owned buildings shown on Exhibit A. Such buildings may not be structurally sound and may contain trip and fall hazards, low clearances and other hazards to human health. Such buildings may not be secure against the elements, including wind or rain.

(f). Tenant has inspected the Property, including the Landlord-owned buildings and the Old Substation and accepts the Property and all improvements in its and their "AS IS" condition.

3. TERM. The initial term of this Lease shall be two years, commencing as of the Effective Date. Thereafter this Lease shall renew for additional terms of one year each, subject to such approval of Tenant's governing body as may be required by applicable law. Anything in the foregoing to the contrary notwithstanding, however, after the initial two-year term, Landlord may terminate this Lease at any time upon one year's prior written notice to Tenant; in the event such notice is given, this Lease shall terminate without further notice one year after the notice of termination is given. If the parties so agree in writing, the term of this Lease may continue on a month-to-month basis after termination as set out in the immediately preceding sentence; provided, however that any such month-to-month tenancy may be terminated by Landlord at any time about thirty days written notice to the Tenant. In any event, Tenant may terminate this lease at any time upon thirty (30) days' written notice to Landlord.

4. UTILITIES/CONSIDERATION. (a) Tenant shall be responsible for all heat and other utility services to the Property including hookup, payment and termination of service.

(b). Tenant agrees, in accordance with its normal and routine snow removal activities, that it will make one run per snow event through the Property, including the established access roadway through said Property, with the Tenant's snow plow.

5. STEWARDSHIP. (a) Tenant shall maintain the Property in good and safe condition in accordance with all applicable law and shall not discard nor allow any other party to discard any garbage, refuse or hazardous substance of any kind on or in the Property, and agrees to operate its affairs on and adjacent to the Property in compliance with all applicable local, state and federal laws and regulations, including those that apply to the environment, air, water, sanitation and fire hazards and as they may from time to time be amended by governmental agencies.

(b). As further consideration for the lease provided for herein, Tenant agrees to maintain its property and the adjoining real estate in accordance with Landlord's Storm Water Pollution Prevention and Spill Prevention, Control and Countermeasure Plans as described on the attached Exhibit B, which is incorporated herein by this reference. Tenant is hereby granted a temporary easement over and upon Landlord's real estate adjoining the Property for the sole and exclusive purpose of maintaining Landlord's adjoining real estate in conformity with the requirements set out in the attached Exhibit B. The easement granted in this subsection 5(b) is non-exclusive, and may not be exercised in a manner that interferes with the use of Landlord's property by Landlord or any other easement holders, licensees or invitees. In the event of competing needs for access to the easement area, before commencing work Tenant shall coordinate any such work with Landlord's representative. For the purpose of this subsection 5(b), Landlord's representative is _____.

6. TERMINATION BY LANDLORD/RELOCATION COMPENSATION.

Tenant acknowledges that the provisions of the Lease dated September 1, 1999 for Relocation Compensation (as that term is defined in said Lease) are terminated as a part of this Agreement and are no longer of any force or effect. Tenant further acknowledges and agrees that Tenant is not owed any Relocation Compensation or other payments or compensation of any kind whatsoever on account of or related to the Lease dated September 1, 1999.

7. ABANDONMENT OR RELOCATION OF BUILDING. The parties acknowledge that the steel building located on the Property (described on the attached Exhibit "A" as "Truck Shop" and "Office") is owned by Tenant. If this Agreement is terminated for any reason, unless otherwise agreed in writing, Tenant shall within ninety (90) days after the effective date of termination remove said building from the Property, remove all related foundations and concrete floors, and otherwise restore the Property to a level, ready for use or new construction condition. The foregoing notwithstanding, Tenant is not required to remove or repair existing underground utilities or roadways, nor is Tenant required to install new utilities.

8. INDEMNIFICATION. To the fullest extent permitted by law, Tenant shall indemnify, defend and hold Landlord, its directors, officers, employees, agents, representatives, contractors and those of its affiliates harmless from any damage, loss, liability, injury or the claim thereof (including attorney's fees) to persons, property, natural resources and the environment, including environmental liability and responsibility of every kind and character arising out of Tenant's use and occupation of the Property, including without limitation the improvements located thereon.

9. INSURANCE. During the term of this Lease, Tenant shall obtain and maintain in effect the following insurance:

- (a) Worker's Compensation Insurance in the amounts and with the limitations of liability required by law.
- (b) Employer's Liability Insurance with a limit of liability of not less than \$1,000,000.00.

(c) Commercial General Liability Insurance with a limit of liability of not less than \$2,000,000 combined single limit, per occurrence and annual aggregate, for bodily injury and property damage. Such insurance shall also include Completed Operations and Broad Form Blanket Contractual Liability coverage insuring Landlord against liability for all claims, loss or damage arising from any cause whatsoever arising out of or related to any activities of Tenant and/or its contractors.

(d) All such insurance coverages shall include endorsements or other provisions stating that all insurance of Tenant described in this Section is the primary insurance and providing for waiver of subrogation by the insurer against Landlord.

(e) Certificates evidencing such insurance and naming Landlord as an additional insured shall be delivered to Landlord within ten days of the execution of this Agreement and any subsequent modifications or renewals thereof. Each such certificate shall include a provision that Landlord shall be given not less than 30 days prior written notice by registered mail of any cancellation or reduction of coverage.

10. LIENS. Tenant shall keep the Property free of liens, including those resulting from the purchase of labor and materials.

11. TAXES. Landlord shall pay any real property taxes that may be related to the Property.

12. INSPECTION. Landlord reserves the right for Landlord and its representatives to enter the Property at any time for the purpose of exercising all rights not granted to Tenant pursuant to this Lease and Landlord's rights under Section 2 to make reasonable inspections to ensure Tenant's compliance with its obligations under this Lease.

13. NOTICES. All notices and other communications to either party shall be in writing and delivered personally or sent by prepaid mail, FAX or other means providing for receipt of the communication in written form. Notices sent by ordinary mail shall be effective five days after the date of mailing. Notices sent by certified or registered mail shall be effective on the next business day after the date of actual delivery. Until a change of address is so given, notices shall be addressed to Landlord and Tenant as provided in the caption to this Lease.

14. EFFECT OF LEASE; ASSIGNMENT; TRANSFER. Tenant shall not permit others to use the Property. This Lease may not be assigned or transferred by Tenant without the express prior written consent of Landlord, which consent shall not be unreasonably withheld. All rights, privileges, benefits and expectations created by or pursuant to any previous license, permit or lease to use the Property shall be extinguished and superseded by this Lease.

15. ENTIRE AGREEMENT. This Agreement contains the entire agreement of the parties. There are no other conditions, agreements, representations, warranties or understandings, express or implied.

**SOUTH DAKOTA SCIENCE AND
TECHNOLOGY AUTHORITY**

CITY OF LEAD

By: _____
Casey Peterson
Chairman of the Board

By: _____
Mayor

Attest:

By _____
Mike Stahl
Tenant Administrator

ACKNOWLEDGMENT

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF _____)

On this the ___ day of _____, 2018, before me, the undersigned, personally appeared Casey Peterson, known to me to be the Chairman of the Board of the South Dakota Science and Technology Authority that is described in and that executed the within instrument, having authority to execute such instrument and acknowledged to me that such public entity executed the same.

In witness whereof I hereunto set my hand and official seal.

Notary Public
My Commission Expires: _____

(SEAL)

ACKNOWLEDGMENT

STATE OF SOUTH DAKOTA)
) SS
COUNTY OF _____)

On this the ____ day of _____, 2018, before me, the undersigned, personally appeared _____, Ron Everett and Mike Stahl, known to me to be the Mayor and City Administrator, respectively, of the City of Lead that is described in and that executed the within instrument, having authority to execute such instrument and acknowledged to me that such public entity executed the same.

In witness whereof I hereunto set my hand and official seal.

Notary Public
My Commission Expires: _____

(SEAL)

SDSTA Policies and Procedures—Mr. Mike Headley

Attached is a new SDSTA-managed Social Media Policy reviewed by legal counsel and recommended for approval.

(This policy would be included in Section 2 Handbook of the SDSTA Policies and Procedures manual).

Recommended Action:

Motion to approve new SDSTA-managed Social Media Policy, as presented.

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SDSTA-managed Social Media Policy

A. Purpose

The purpose of this policy is to:

1. Establish a framework for use of social media as it relates to SDSTA and Sanford Underground Research Facility information and activities.
2. Establish a procedure of best practices for posting work-related information on personal social media platforms and provide best practices for utilizing SURF-approved social media tools.
3. Protect the image and integrity of the Sanford Underground Research Facility.

B. Use of SDSTA-managed Social Media

1. Official SURF accounts may be created only under the direction of the Communications Director; employees may not create unofficial SURF-related accounts, fan pages or groups.
2. Sanford Lab respects different opinions and fosters dialogue through our social media presences. However, comments on social media sites managed by the Sanford Lab Communications Office may be removed if they
 - Contain obscene, indecent, offensive or profane language;
 - Contain threats or defamatory statements;
 - Contain sensitive or personally identifiable information.
3. Violation of the social media policy may result in disciplinary action.

C. Employee-Managed Social Media

1. While employees may choose to participate in social networks to help communicate SURF's work to the public, staff should minimize time spent on social networks for personal use during work hours. Online activities should never interfere with official job responsibilities.
2. Employees are encouraged to share content from official SURF social media sites on their personal pages.
3. Employees may not create content that appears to be sanctioned by SURF for use on personal social media sites. The Communications Director may approve SURF-related material for use on personal pages.
4. Before posting to social media sites, employees should refer to Use of SDSTA-Owned IT Systems and Protection of Personal Privacy Procedure.
5. Employees must take annual communications training.
6. There is no delete button on the Internet and social media is a public stage. Before posting about Sanford Lab, employees should be aware of and consider the following:

Consider adding a personal disclaimer to accounts. Employees who identify themselves as part of SDSTA, SURF or Sanford Lab on their personal accounts, or discuss SURF-related activities, should make it clear they are speaking for themselves, not on behalf of Sanford Underground Research Facility. *Example: Opinions are mine, not my employers.*

Be aware that employees are ambassadors of Sanford Lab. Employees are encouraged to share appropriate SURF-related information on their personal social media pages. Employees are expected to conduct themselves with the highest standards of integrity and follow all applicable Sanford Lab policies and procedures when communicating via social media about Sanford Lab, its employees and its programs.

Protect confidential SURF-related information. Posts should include only information that is public. Do not share information that is confidential, proprietary, internal to SURF or could have security implications.

Protect personal privacy. Social media networks request personal information; supplying a date of birth, marital status or contact information could lead to identity theft or provide a means for targeted social engineering attacks that attempt to solicit information or access directly. Employees should be careful what they share and learn how to set privacy protocols.

Respect other employees and their privacy when interacting online. Using social media to post or display comments about coworkers that are vulgar, obscene, threatening, intimidating, harassing or are a violation of other workplace policies against discrimination is prohibited.

Do not appear to endorse any products or services on behalf of SDSTA, SURF or Sanford Lab.

Crisis/emergency communications. Employees are required to obtain approval from the Communications Office before posting any crisis- or emergency-related content to personal social media accounts or to laboratory-owned social media accounts to which they have access.

Avoid confusion. Provide context and clarity when posting about activities at Sanford Lab. Include the who, what, where, when and why in each post.

Double check. Is everyone in the photos following proper safety procedures and wearing the appropriate PPE?

Litigation. Never comment on anything related to legal matters or litigation in which SDSTA or SURF may be involved, or concerning parties with whom SDSTA or SURF will be in litigation.

Mistakes happen. If you make a mistake, admit it, be upfront and be quick with your correction.

Ask. If you are unsure, ask what to post, how to provide context or how to fix a mistake. All statements must be true, not misleading. Contact the SDSTA Communications Office to address any questions.

D. Consequences for Violations

Violation of this social media policy may result in disciplinary action.

Executive Session—Chairperson Casey Peterson

Meeting closed to public during executive session. See recommended motion below.

Recommended Action:

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

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Report from Executive Session—Chairperson Casey Peterson

See recommended motion below...

Recommended Action:

“The board consulted with legal counsel concerning legal and contractual 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

The next board meeting will be held on Thursday, December 13, beginning at 8:00 AM (Mountain Time).

2018 Regular Board Schedule	
March 29, 2018	08:00 am (MT)
June 28, 2018	08:00 am (MT)
September 18, 2018	08:00 am (MT), lunch provided
December 13, 2018	09:00 am (MT), lunch provided

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

Recommended Action:
Informational.

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Public Comments—Chairperson Casey Peterson

Address public comment forms received, if any, during this item.

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Board Comments—Chairperson Casey Peterson

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

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