7.0 APPENDIX

7.0 APPENDIX

EAST GRAND FORKS CAMPUS SITE TOUR NOTES

22019 NCTC Comprehensive Facilities Plan

Date: 7.20.2022

Attendees/Present: (if checked)

- ☒ Shannon Jesme, NCTC
- ☒ Jodi Stauss, NCTC
- ☒ Bob Gooden, NCTC
- ☒ Fawn Behrens-Smith, JLG
- ☒ Nick Jensen, JLG

MEETING INFORMATION:

Date: Wednesday July 20, 2022

Time: 10:00 – 12:00 pm

Location: East Grand Forks Campus

ITEMS OF DISCUSSION:

1. MAIN BUILDING

a. Bob McNutt designed building renovations and additions through 2008
b. Human Resources has 2 offices in shared office suite near main entry. They need a more private location for employee privacy.
c. Student Services offices are connected to admin. Sometimes confusing for some students to find.
d. The Bookstore space is thought to be a little big.
    i. Textbooks come from Cities location as needed. Extra are not kept on site.
e. In 2008 library was smaller. Enlarged it and now it is too big.
d. Kitchen cooler and freezer are from 1970. They are not efficient and there are mold concerns
    a. Water cooling runs through and down drain
e. What is hybrid learning going to do? Is a question being asked by administration.
f. Room scheduling a mess right now
    a. Students have option to be either in person or virtual for classes and can go between the two
    b. Trades faculty are back on campus
    c. Not very many Liberal Arts faculty are back on campus
    d. Faculty are asking for hyflex
    e. Faculty are sometimes not teaching in person even though there are students in the classroom on campus
g. The limited number of people on campus is also impacting food service and use of offices. What is needed in future?
h. Student numbers are down 55% from peak in 2009-2010 of just under 3,000 FYE to 1,500
i. Many classrooms are identical in approximate size, furniture (tables & chairs), and teaching technology
    a. Standard size has 32 student chairs
    b. A few larger - 40 maybe up to 52
    c. Using OWL as part of classroom technology
j. Specialized ITV classroom not used much last year
    a. Good technology (Cisco), but very fixed in layout and use
    b. Also used for meetings
k. Now using both Teams and Zoom on campus
    a. Faculty tend to use Zoom for teaching
l. Student laptop not required universally on campus, but by program
m. All faculty offices are individual, 110 to 120 sf standard typical
    a. Some adjuncts have open shared space
    b. Some faculty have second office on Thief River Falls campus
n. Mail room and copy combined. Copy services have been drastically reduced. Extra space in room without large machine.
o. Art room used to be surgical tech classroom.
p. 250, 252, 254 & 256 are general classrooms that have movable partitions
    a. Divided into 4 classrooms
    b. Sound transmission a problem
    c. Use several time a year as whole large room

    d. In 250 front location was changed and it helped sound problem
    e. In 252 one wall was taken down to make a bigger space, similar to the other rooms

q. Computer networking lab needs to be updated
    a. This is part of predesign submitted
    b. Is a healthy program for college

r. Want to add places to put student learning on display by adding glass into classrooms from corridors

s. Campus network server room update has just been completed
    a. Added dry sprinkler system and sealed up room with federal funds

t. Computer lab is too large and has very low usage
    a. Current seats 40
    b. Sometime used for testing

u. Developing huddles room on each campus for 5-8 people
    a. For students who are on campus that need to log into virtual class
    b. Want each campus to have four rooms
        i. ITV Room
        ii. Old ITV Room
        iii. Two classrooms are being converted into, these are being defined by faculty
    c. These are not currently being done at Aviation site

v. Nursing and General Education classes are seeing low enrollment. NCTC looking to combine classes across locations by having faculty in one location teach in person and virtual to other campus students at same time

w. Radio station staying on campus, transitioning to 503c

x. At student touchdown spaces some had computers removed

y. 2018 phase 1 of predesign included the following Science rooms:
    a. Microbiology
    b. Anatomy/physiology
        i. Shared prep room between Microbiology and Anatomy
    c. Radiology (predesign expands)
    d. Chemistry, which has its own prep room
    e. Increased capacity
    f. Purchased a lot of equipment with stimulus funds
    g. ADA update in labs

z. Nursing and Law Enforcement programs have declined since Covid

aa. Respiratory therapy students are in demand
    a. Altru helped NCTC keep program

bb. Nursing area was renovated in 2008
    a. Nursing Resource room - uses as a flex surge space
    b. Area includes high fidelity sim lab

cc. Early childhood lab is partnered with local head start
    a. Space needs a restroom, this is part of a proposed Predesign

dd. Whole perimeter of building has tunnel below which is primarily used for air

ee. Pharmacy tech lab expansion in predesign to be re-submitted
    a. Have questioned where it fits
    b. Lab teaches retail and hospital pharmacy

ff. Occupancy Therapy lab project was a self-funded update which has been completed
    a. Includes living and pediatrics lab spaces

gg. Respiratory Therapy lab expansion in predesign to be re-submitted

hh. Looking to do more high fidelity teaching

f. 301 is now conference room, but is being changed into huddle room for student use

g. Physical therapy has good space and is typically a busy program

h. Surgical Tech program has two new beds to use which were recently received from Altru
    i. Altru has helped support program
    ii. Space utilization impacted by students being out on sites in the spring semester

i. Private student use room is being created – can be used for many different things as wanted

j. Courtyard is a nice space to look at but not used much - often too hot or full of snow
k. With increasing number of virtual meetings, question of what happens to conference rooms has been asked
l. Old ITV still has some use – some still need the whiteboard
m. Currently only a small area of shop 570 is used for manufacturing instruction. Much of the space is being used for storage. This space was supposed to be shared with the carpentry program but is not. Its great space that needs a purpose
n. Welding lab has capacity for 20 students. Program enrollment is currently down a little. Special training is done for Crystal Sugar and Steffens.
o. Room 520 has been cleared out and the campus is in the process of remodeling it for Esports.
p. Old steam room 546 in main building has been converted in to facilities and receiving, which works very well.
q. Architectural drafting is a popular program. 2nd year students do designs for student house constructed.
r. Construction of house has been done with Forx Builders
s. Students in electrical, plumbing, and hvac programs also work on student project house
t. Have considered moving the small electronics classroom/lab space into the large building trades shop, seems to be space

2. BUILDING 700
    a. Fire Tech Support program is in this separate building with Paramedics. Space includes both classroom and lab
    b. Central campus steam production was moved into building 700 a few years ago. Equipment is newer and capacity more than they typically need outside of very cold winter days.
    c. There is a semi-heated grounds storage and vehicle area.
3. BUILDING 800 is used as grounds cold storage. Campus has a grounds crew.
4. INFRASTRUCTURE
    a. In 2008 changed most of cooling system from DX to chilled water (350 tons). Have about 5 units left to change
    b. In 2008 steam plant was moved from main building to adjacent building. System was changed from steam to hot water
        i. Have a lot of exceed capacity. Typically only use small unit in winter unless it's very cold outside.
        ii. Chilled and hot water have 2 access points to building
    c. Main electric switch gear was also moved with steam plant
    d. City does not offer off-peak power so campus has 1250 KW generator
    e. Variable speed drives have been put on everything
    f. Have problem with switch closets that aren't cooled – about 5 rooms across main building
    g. All doors are fob electronic access control. A few of the old system still remain but changing over since original has been discontinued
5. OTHER ITEMS
    a. Building hours are 7:00 am to 9:00 pm during school year and 7:00 am to 5:00 pm over summer
    b. Students supported development of a Fitness Center, but use is very low. This is thought to be due to Northland being a two-year commuter campus
    c. Library has overall low utilization. See that changes are needed
        i. They do proctoring, but have seen numbers drop
        ii. Feel there is a need for more sound proofing at open pod workstations – they are in an area the librarian feels should be quite so not good for students to use for virtual classes so they can participate

END OF SITE TOUR NOTES

THIEF RIVER FALLS CAMPUS SITE TOUR NOTES

22019 NCTC Comprehensive Facilities Plan

Date: 7.27.2022

MEETING INFORMATION:

Date: Wednesday July 27, 2022

Time: 1:00 – 3:30 pm

Location: Thief River Falls Campus

Attendees/Present: (if checked)

- ☒ Shannon Jesme, NCTC
- ☒ Jodi Stauss, NCTC
- ☒ Clinton Castle, NCTC
- ☒ Curtis Zoller, NCTC
- ☒ Steffanie LeDuc, NCTC
- ☒ Fawn Behrens-Smith, JLG
- ☒ Nick Jensen, JLG

ITEMS OF DISCUSSION:

1. MAIN BUILDING

a. Door security used is the same at both campuses.
b. In general office sizes at both campuses are consistent.
c. Science labs clustered in southwest area of building. They were done is 1998 and are in good shape with nice supporting prep areas. Unfortunately they are on the opposite end of the building from other more science based programs. They see low use.
d. Adult Education is near science labs and sees high traffic for their programs.
e. This area has a general classroom which seats 48, often used by Adult Ed.
    i. It was noted that TRF has instructor stations and EFG instruction is laptop based.
f. Large tiered floor classroom on the west end has a movable wall to divide it in half which works well. It does not get used much during the school year. Primary use is for larger one-time events.
g. Academic Success Center in 205 has a large space with 3 staff. Questioning if it would be better for them to be co-located with the library.
    i. Area provided for testing and study rooms.
h. Head Start/Early Head Start program leases space adjacent to tiered classroom. They also use the stand-alone building north of main building. They like space but are seeking grant funding to take infants, so 2 more rooms would be needed. Area has alarmed door for children leaving unattended. They do use gym and outdoor spaces too.
    i. Door covered to library classroom from this area
i. Boiler room is 230. System includes hot water circuit, 3 glycol loops, main fire alarm panel
j. Adjacent space is a wash area for vehicles and 260 grounds area that has vehicle storage
k. Library
    i. Includes the Testing Center, which as 2 small rooms for testing. Noise from head start is sometimes a problem.
    ii. Study rooms are available for sign up at central desk
    iii. General purpose classroom is available in library, but can only be used during library hours. Feel it is underutilized.
    iv. Currently expected to be a quiet space with no talking allowed
    v. Campus is considering making changes and hope that a new name will help transition use and philosophy
    vi. Can community collaboration happen?
l. Art Gallery space along main corridor is leased space to off campus users. Displays typically change every 6 weeks or so. The college uses it twice a year.
m. Computer lab is being updated and being connected to EGF campus
    i. There was too much noise so server is being moved and hvac needed provided
n. Athletics has some offices that are small and shared, had to spread out during pandemic.
    i. Maintenance has offices in same area which could be shared.
o. Wrestling room is served by its own hvac unit
p. Fitness center serves both athletes and general students with dedicated time set aside for team use. Should be staffed when open for use, but filling has been difficult.
q. Separate building has been used by early childhood, then criminal justice, and now head start

    i. It is difficult to maintain and was mothballed at one time
r. Gym wood floor was just redone before pandemic.
    i. Women basketball often does well
    ii. Nice space for campus and community. TRF graduation is held here.
        1. EGF uses UND CF Auditorium
s. Locker rooms are old
t. Music space includes small practice rooms and a nice larger tiered floor main practice room
u. Theater is currently only used by Community Theater group. There is no academic program that uses.
    i. Air conditioning was just completed and still looking to re-cover the seats
v. Central open area in corridor gets a lot of use during events at gym.
w. Athletic spaces are being worked on to increase branding in general and add pictures and recognition.
x. Art studio has key pad access for flexible student use
y. Independent study room 431 is popular and like a 2nd art studio.
    i. Windows to corridor are liked.
    ii. Would be nice it had a connection to hall in back of theater
z. HR and administration office suite like their location and that it's a quieter area.
aa. Game room was done right before Covid and was used all the time. Since then it has varied.
bb. There is a space off cafeteria for Veterans Center but question if it should be relocated
cc. Group questioned what should be off commons area.
dd. Both campuses have Student Senate and Student Life but they are separate
    i. They do provide a video phone room which get multiple uses
ee. Esports needs a new home.
ff. Concessions was moved a little while ago to better control access for games. The old space not used for anything right now.
gg. General classroom 515 is used for a lot of meeting due to its location and size
hh. Food service is provided, but has a very limited kitchen.
    i. Campus is now running it themselves, which they also plan to do in EGF
    ii. EGF was contracting with K-12 Public Schools
    iii. Lunch is served at Aerospace on limited hours
    iv. Considering allowing people to order ahead so its ready
ii. Maintenance and Receiving in 520 is where all mail and packages come in
    i. Back door access is allowed by phone since area is not staffed
jj. Bookstore is over sized and in a prime location. Should it be added to the commons?
    i. Space does tie into back of business office
kk. Gunderson Commons is used to host a variety of small events
    i. Scholarship ceremony
    ii. Polka dance
    iii. Blood drive
    iv. Bingo
    v. Robotics tournament
    vi. After grad reception
ll. Commons was an open area between the two buildings. With merger in 1997 it was covered and used to join the two separate entities - state and city
mm. Student services wayfinding could be better
nn. IT services has a window for student use.
oo. Server room recently had a dry fire suppression system installed.
    i. This system also serves the county courthouse so important that is not go down
pp. Cyber Space lounge in southeast area of building is used a lot
qq. The computer lab in this area is used for both computer classes and general use
    i. Often used for general testing and by Nursing
    ii. The neon and other design elements were art requirement for the project.
rr. 601 is telepresence room.
ss. Would like Nursing offices to connect to lab
    i. Area has insufficient number of lockers in hall

ii. Same program as EGF, but finishes in spaces are older. Casework was not replaced with last project

tt. Have been updating some classrooms in north central building area.
    i. Is one of these a good new spot for Esports
        1. One of the rooms has cable tray below the ceiling and wire-tray around with additional power
        2. Size seems okay and it has windows to hall which is nice.
    ii. English is using room that was an old part of the radio station which as a full window to the corridor, which as a blind on to regulate
        1. Room also has an exposed ceiling

uu. College radio station is now not part of the campus and will be leasing space back from campus soon

vv. Mechanical room noise is a problem in some adjacent rooms

ww. Mid-size conference room may also be used as a small group huddle room for students.

xx. Customized training lab completed for Farm Management, unfortunately under utilized

yy. 645 office area is lightly used and has been leased space
    i. Has an exterior door so works well
    ii. Was being used by Work Force Development but they have moved to MState

zz. Welding area needs help
    i. Facilities has requested new exhaust for half room with large exhaust hood
    ii. Low enrollment, CBE program
    iii. Students are being hired before done with program
    iv. Enrollment ebbs and flows

aaa. Flexible classroom 635 is popular

bbb. Criminal justice in space that used to be cosmetology. Some things still in place
    i. Area includes dispatch and large training room

ccc. Agriculture area is a suite type layout
    i. There is a nice high bay lab that was updated for precision ag
        1. Space has limited access since it can only be accessed through other spaces
        2. Unfortunately Precision Ag is no longer a program - Titan used to support but stopped when Fargo office closed
    ii. Has general certification that build

ddd. Staff lounge at TFR is used more than on EGF campus

eee. WorkForce Center leases space in southeast side of the building
    i. The campus provides cleaning, paints and does small maintenance items like replacing light bulbs

fff. Automotive Service program has nice newer labs with windows
    i. Paint booths are only accessible from the labs side
    ii. Vehicles are brought in off the street to be worked on
    iii. Autobody 1 is classroom based
    iv. Automechanics 1 & 2 share lab space
    v. These programs have separate classrooms

ggg. Building cooling
    i. Library side has chiller outside
    ii. Auto side has roof tops

hhh. Each campus uses a different color pallet, but campus is working on making them both the same

END OF SITE TOUR NOTES

THIEF RIVER FALLS MULTI-USE EVENT CENTER (MEC) & AEROSPACE AIRPORT SITE

22019 NCTC Comprehensive Facilities Plan

Date: July 27, 2022

Attendees/Present: (if checked)

- ☒ Shannon Jesme, NCTC
- ☒ Clinton Castle, NCTC
- ☒ Fawn Behrens-Smith, JLG
- ☒ Nick Jensen, JLG

MEETING INFORMATION:

Date: Friday August 19, 2022

Time: 11:00 –1:00 pm

Location: TRF MEC and Aerospace Airport Site

ITEMS OF DISCUSSION:

1. MULTI-USE EVENT CENTER (Clinton, Fawn, Nick)
    a. Facility was designed and built in 2000 as a shared facility by the state (NCTC), county, city, and public high school
    b. The original plan was for building to be done in stages, but only stage 1 was completed. Building infrastructure design incorporated anticipated future phases for - basketball courts, tennis courts, and a swimming pool
    c. The county is no longer a partner but does voluntarily grade the gravel parking lot to assist with maintenance
    d. The land is owned and maintained by NCTC
    e. The high school takes care of the turf field and uses the facility for track and football
    f. The city holds some events at the facility
    g. NCTC uses the locker rooms for women's softball, who play on a nearby field
    h. NCTC no longer has a football team, so use has declined in the fall
    i. Concessions, locker rooms, public restrooms, training room and referee room in space below stadium seating
    j. The building is managed by the MEC Council which consists of a representative from all the active members (state, city, high school)
    k. There is a separate operations group which handles building maintenance, which Clinton is on. He is also currently the state representative on the Council
    l. Some of the adjacent outdoor fields are owned by the city and high school, but are shared by everyone as needed
    m. A few years ago a semi-pro football team visited, held a game, and considered the potential of placing team here
    n. Infrastructure is original and includes boiler and 3 air handling units
    o. Controls for exhaust air have been updated to shut down when not in use, which was significant savings because locker rooms were running full time as full exhaust as part of the original design/set up
    p. Roof Spec will be on campus next week and will be looking a building
2. AEROSPACE AIRPORT SITE (Clinton, Shannon, Fawn, Nick)
    a. The 1989 entry addition was remodeled 3 - 5 years ago
        i. Built in benches that did not get used were removed to provide a larger open space for events.
        ii. Art installation funds were used for a terrazzo floor which shows the flight patterns from the airport
    b. The classroom addition needs a new roof, which is a HEAPR fund request
    c. Classroom spaces have been updated
        i. Rooms divided by an operable wall have no acoustic complaints. Wall is typically closed
    d. This building has the same electronic access as main campus
    e. A small amount of damage was noticed to the classroom addition hall terrazzo floor along the wall
    f. The hangar addition was recently done, which also included work on the classroom area exterior wall due to damage from frost
    g. NSF (National Scientist Foundation) center was established from a grant
    h. Infrastructure
        i. Boilers are over 30 years old. They are natural gas primary with electric backup
            1. These were not updated with project
            2. Cooling was updated

i. Restrooms where recently remodeled with a project and a gender neutral was added
j. A recent project built area which connects the existing building with hangar so space is all new at bottom of ramp in center of building
k. In lab area adjacent to hangar
    i. Seeing changing modality for teaching so space has little to no use in it's current state
    ii. Some metal walls were reskinned in room 31 to help clean up area, but more work is needed to revitalize
l. Downdraft tables were specially built in lab area in Composite Lab, rooms 22 and 23
    i. Each has a cover so they can be used with hard top when downdraft is not needed
m. UAF hanger has a lot of use for several different types of drones
n. Swenson Multipurpose Hanger was built in 1991
    i. Includes a tail platform adjacent to a donated plane
        1. Most planes are received through donations
    ii. Roof has only had lightning rods repaired, it is rubber and needs a full inspection, but has been difficult to get done due to barrel vault design.
o. Working through who should be teaching what and where
p. Size of office space in general is good, but not liked/used by many faculty
    i. Some furniture is old, but has taller modular workspace walls which are preferred
    ii. New workspaces have lower walls with glass on top, but only a couple get used because people think it gets too loud
q. 3 or 4 more private offices would be nice
    i. Some faculty have 'office' desk in lab instead of using an office space in the shared area
r. Would like telepresence room to have a visual connection to commons
s. Autonomous technology grant faculty/staff use space in office area
t. See the need for a private use wellness room for the students, ideally off commons for easy access
u. Have food service space with equipment, but hot food is no longer provided at this site. Everything is from vending. Question how that could be expanded some since students do not have time to go to get something else between classes

END OF SITE TOUR NOTES

MINUTES – OWNER KICK-OFF

22019 NCTC Comprehensive Facilities Plan

Meeting Date: 06.21.2022

Issued: 06.28.2022

Attendees/Present: (if checked)

- ☒ Shannon Jesme, NCTC
- ☒ Clinton Castle, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☐ Julie Fenning, NCTC
- ☒ Jodi Stauss, NCTC
- ☒ Curtis Zoller, NCTC
- ☒ Shamani Shikwambi, NCTC
- ☒ Bob Gooden, NCTC
- ☒ Michelle Gerner, MN State
- ☒ Theresa (Terry) Olsen, MN State
- ☒ David Vig, CMTA
- ☒ Travor Fredrickson, CMTA
- ☒ Patrick Thibaudeau, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☒ Nick Jensen, JLG
- ☒ Mike McLean, JLG

MEETING INFORMATION:

Date: Tuesday | June 21, 2022

Time: 3:30 – 5:00 pm

Location: In-Person (EGF Campus, Room 290) & Virtual

ITEMS OF DISCUSSION:

1. GOALS / VALUES / PRIORITIES:

a. Is this group the Steering Committee?
   i. Tentatively yes; NCTC to review internally if anyone else should be added.
   ii. Making sure that Steering Committee is diverse, but small enough to manage – last CFP had too many voices/too much input to filter down.
   iii. Last Steering Committee had a painful time pulling back after extensive 'dreaming' sessions with Focus Groups & Steering Committee.

b. Discussed the idea of an 'Advisory' committee that would be an even smaller group for some high level/sensitive decision-making.

c. NCTC to help JLG identify Focus Groups to gather further information & deeper dives into certain areas/topics/etc.

d. Funding Climate at this time is very different than at last CFP session; this will affect decisions. Costs are skyrocketing; HEAPR dollars don't go as far.

e. Student & Faculty involvement is different as well; teaching methods have seen large changes.

f. This group sees Survey(s) as a good way to gather input from larger campus population with less of the 'downbeat' if not everything mentioned gets included.

g. Timeframe for the Plan (from Michelle G):
   i. Immediate: 1-6 years
   ii. Mid-Term: 6-10 years
   iii. Long Term: 10+ years

h. Michelle G also noted that while longer range future planning is more nebulous, the future funding processes are changing & CFP renewals may not be quite as often. The intention should be for future projects to continue to align with this CFP process. Keep future project names/descriptions FLEXIBLE for future changes, while still aligning with overall CFP process.

i. Michelle G notes that HEAPR is meant for repair work only.

j. Academic Masterplan has been a year-to-year update; this needs to be changed to a longer term horizon & should align with CFP goals/visioning.

k. Flexibility noted as necessary with all Masterplanning processes; example of COVID as to how they need to be adaptable.

l. Steering Committee discussions to remain closed – allows for discussions of possible reduction in programs, etc. without undue pushback.

2. COMMUNICATION:

a. Group noted that email communication is convenient for tracking; Microsoft Teams is also acceptable for discussions & transferring larger files (needed for initial campus input). JLG will set this up to allow for Steering Committee access.

b. Focus Groups – to be identified in the future; NCTC input.

c. Town Halls – Campus Input; dates & objectives of these TBD

d. Booth Input – again TBD, likely to include food/drinks to attract Student input.

e. Online Survey(s) – recommend campus input/review before questions issued.

3. CFP PROCESS:
   a. Reviewed the MN State Guidelines (booklet) & responsibilities set out in that document.
      i. EMS campus utilization data – Stacy Brown is running this data for all MN State campuses. Contact Michelle G directly & she will coordinate getting this data (JLG).
   b. NCTC notes these as major priority items for the campuses:
      i. Sustainability
      ii. Diversity & Equity
   c. JLG notes that a lot of the early information necessary to complete the 35% review document comes from either system offices or the campus; the faster this information can be gathered, the faster the process can move along.
   d. Reviewed the Future of Learning (see PPT presentation slides) & how this affects space size, layouts, use, etc.
   e. Reviewed Resilient & Sustainable Buildings (see PPT presentation slides) looking at the 'end the syrup' condition for sustainable components. Also discussed performance indicators, simulation tools, and design guidelines.
      i. NCTC noted that they are a 2 year, mostly commuter campus; some items discussed pertain more to 4 year institutions. NCTC doesn't run their Housing program; average age of students is 26, and majority are part-time students. This makes for a very different student population that for many other campuses.
      ii. Resiliency of Buildings – noted that this needs to plan for severe climate events; communities that campuses are in look to campuses to be leaders in these areas.
   f. Reviewed Business of Education (see PPT presentation slides); how to get closer to MN State utilization requirements, cost to maintain & run spaces.
      i. Community Connections are vital to the Business of Education.
      ii. How to make communities more aware of what campuses offer; both in-person & online.
      iii. Strategies for Community Engagement may need to be very different from TRF to EGF – very distinct communities & campus connections.
      iv. Infrastructure around campuses is also varied between all campuses.

4. OTHER ITEMS:
   a. Being an energy efficiency leader is important to NCTC; especially within their communities.
   b. Several members of the Steering Committee joined Jonathan H. (JLG) on bus trip(s) to view other campuses; they have many photos & ideas from these visits.
   c. TRF campus has many industry connections; how do we want to use them?
   d. NCTC is a destination college for some programs – how do we highlight this? Example: aviation maintenance
   e. Options for collecting data:
      i. ArcGIS – JLG has a version of this called the Gateway Platform. Advantages of online: always available & open for input, data can be pulled at any time (snapshots), can be used again in the future (living document).
   f. NCTC is completing a new Mission Statement & Campus Vision – will send to JLG when completed. (text on current website is outdated now). Adding Branding to these before they go 'live'.
   g. Institutional Learning Outcomes (ILOs) are current; these can be used 'as-is'.
   h. Will use updated & current campus visioning items to direct investments, priorities, etc.
   i. MN State & NCTC noted that it is important to use data to drive decision-making on the CFP.
      i. Need to be sure that data outweighs pressure from groups/companies/community/etc.
      ii. Look at the area Labor Market Data & be sure we aren't over or under investing in certain spots.

5. NEXT STEPS:
   a. East Grand Forks Campus Tour – July 20th, 10am-1pm
   b. Workshop #1 – Wednesday July 27th, 10-12pm @ TRF Campus (Room TBD)
   c. Thief River Falls & TRF Aerospace Campus Tours – July 27th, 1-4pm
   d. Workshop #2 – Monday August 15th, 1-3pm @ EGF Campus (Room TBD)

END OF MINUTES

MINUTES – WORKSHOP #2 – Completing the Baseline Assessment

22019 NCTC Comprehensive Facilities Plan

Meeting Date: August 23, 2022

MEETING INFORMATION:

Date: Tuesday August 23, 2022

Time: 1:00 – 3:00 pm

Location: NCTC EGF Campus Room 150 & Virtual

Attendees/Present: (if checked)

- ☐ Michelle Gerner, MN State
- ☒ Shannon Jesme, NCTC
- ☒ Clinton Castle, NCTC
- ☒ Bob Gooden, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☒ Julie Fenning, NCTC
- ☒ Jodi Stauss, NCTC
- ☐ Curtis Zoller, NCTC
- ☐ Shamani Shikwambi, NCTC
- ☐ Stephanie LeDuc, NCTC
- ☐ Mike McLean, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☒ Patrick Thibaudeau, JLG
- ☒ Nick Jensen, JLG
- ☒ Brett Szymanski, JLG

ITEMS OF DISCUSSION:

1. CFP PRIORITIES (for reference)
    a. Sustainability
    b. Diversity and Equity
2. EXISTING CAMPUS DATA
    a. Architectural team toured the Thief River Falls main campus building on July 27. Tours of the Aerospace site and MEC were done August 19. In general buildings are well maintained, but some areas are aging and need to be updated.
    b. New Mission Statement & Campus Vision requested since one currently on website is in the process of being updated.
    c. Campus Data Resources still needed or clarifications discussed.
        i. HEAPR List – 2022 list reviewed. Predesigns have been done for the 1st item – Aerospace site Roof Replacement at classroom addition and 2nd item - EGF Repairs, Recommission HVAC. 3rd item is a duplicate of 2nd – remove.
        ii. It was decided that Roseau and Warroad information in CFP will be minimal due to size of sites.
        iii. Capital Renewal report/FCI – have received TRF. Bob will provide EGF
        iv. Deferred Maintenance and Small Project Backlog – have received TRF. Bob will provide EGF.
        v. Utility bills/cost data – have seen some information but would like to also see rate structure for past four years.
        vi. Community Connections/Partnerships – information still needed. Campus will provide.
        vii. Enrollment Trends and Demographic data reports – information still needed. Campus will provide
    d. Site and parking data
        i. EGF 2022 Pavement Rehabilitation project was bid, but failed since there were not enough funds for project.
        ii. Roof Spec will be doing a new report. Campus will provide when it is complete.)
        iii. Design team is also looking for site information which includes property boundaries. Bob and Clinton will provide.
    e. Building projects since 2018 Master Plan were confirmed.
        i. Major renovations:
            1. EGF Laboratory Renovations
            2. EGF OTA Lab Renovation
            3. EGF Re-Roof
            4. TRF Precision Machining Lab
            5. TRF Aerospace lobby update
        ii. In progress: TRF locks and ADA updates
        iii. Predesigns completed for capital or HEAPR funding:
            1. EGF Effective Teaching & Learning Labs Predesign (capital)

2. TRF Aerospace roof replacement of classroom addition (HEAPR)
3. EGF HVAC Repairs & Commissioning (HEAPR)

3. FUTURE OF LEARNING
   a. Group reviewed campus plans and discussed positives and negatives of current spaces.
   b. Thief River Falls positives:
      i. 515 is a highly desired classroom that is centrally located and has good daylight.
      ii. Group noted good rooms in south central area of plan.
      iii. Rooms 115 and 117 are used a lot for Community Adult Continuing Ed.
      iv. See some synergies with science labs and animal science, may be possible to share faculty across campuses.
   c. Thief River Falls negatives:
      i. Library is much too large.
      ii. Bookstore has more space than needed.
      iii. There are rooms on the east side of building that are only accessible by going through another room, which creates confusion and limits use. There is also space currently unused.
      iv. Group questioned if computer labs were still needed or if they should be reduced.
      v. Discussed the benefit of combining the commons and cafeteria.
      vi. Question raised if there is too much art space now.
      vii. West end large tiered floor classroom are rarely used. Many prefer flat floor classrooms to do group work.
   d. East Grand Forks positives:
      i. The Commons is a good support space.
      ii. Newly renovated science labs are working well. They are the right size, have good functionality and are fully accessible.
      iii. Nursing area in northeast part of build has been updated and overall functions well.
      iv. Far east classrooms are a nice size and requested often by faculty.
   e. East Grand Forks negatives:
      i. Computer lab is old and unusable currently.
      ii. Technology lab is using space designed for another program so layout is odd.
      iii. Group discussed the need to heat and cool offices when the few that are being used are spread out.
      iv. Academic Support Center is in a bad location. It should be more central.
      v. Adult Basic Ed is spread out across the building. It should be in one location.
      vi. Southwest classroom accessed from within suite feels strange. Change access to be from hall.
      vii. Building trades instructor offices are in an odd location.
      viii. Offices in admin area should be more equal in size and HR needs more privacy.
      ix. Previous IVN room technology makes room inflexible and it also has noise issues.
      x. Overall hallways can be difficult to navigate. Building needs more small group rooms and pockets of space for students.

4. CARBON NEUTRAL & RESILIENT FACILITIES
   a. Patrick shared information on what it takes to be carbon neutral and potential investments that could be needed over the next few years.

5. BUSINESS OF EDUCATION
   a. Group discussed different spaces that are currently leased for campus or leased to others on campus. Information will be sent to design team.
   b. Space utilization was reviewed for the TRF and EGF main campus buildings and Aerospace site.
      i. TRF Classroom & Lab Utilization: 0.00 Summer of 2021 / 35.27 Fall of 2021 / 36.14 Spring of 2022
      ii. EGF Classroom & Lab Utilization: 0.64 Summer of 2021 /30.33 Fall of 2021 / 33.48 Spring of 2022
      iii. Aerospace Classroom & Lab Utilization: 4.89 Summer of 2021 / 30.12 Fall of 2021 / 26.47 Spring of 2022
      iv. System Office goal utilization is 85%. There are only 2 or 3 spaces that meet this target for a single semester during the year. Each location has a handful of other spaces that are in the 50 to 70% range. Unfortunately, most rooms are well below the goal utilization.
      v. The group discussed these numbers. Many rooms are specialized for hands-on experiential learning for specific programs. They cannot be shared and program enrollments are not large enough to increase the number of sections needed throughout the day. Some spaces do see a little more use outside of the daytime class hours

used when the reports are generated. Question was raised regarding spaces that could be converted to potential lease space for community use.

c. Engagement of others in addition to the committee was discussed. Primarily thinking a survey would be good to reach many individuals. JLG will share a first draft of survey questions for review and modifications will be made as needed. Currently separate questions are available for Academic & Office, Admin & Service, Miscellaneous Campus feedback.
d. Auxiliary and revenue supported programs are very limited. Dining is small and used to be partnered with EGF Public Schools. Parking fees are collected from all students and parking on campus is open to all. Housing is not provided by the campus, but at TRF the Alumni Association has buildings that they own and manage which are affiliated.

6. NEXT STEPS
    a. Utility Infrastructure site visit is being coordinated with Clinton and Bob for project engineers to walk through buildings.
    b. 35% document will be completed for owner review.
7. SCHEDULE & KEY DATES for reference
    a. Compile and Analyze Existing Data – June 20 to August 29
        i. ~~Kick-off Meeting – Tuesday, June 21 at 3.30 – 5.00~~
        ii. ~~Workshop #1 – Wednesday July 27 at 10.00 - 12.00~~
        iii. ~~Workshop #2 – Tuesday August 23 at 1.00 – 3.00~~
    b. 35% Document Owner Review –-September 28 to October 21
    c. Site and Building Plan Development – October 24 to January 10, 2023
        i. Workshop #3 – November 9 at 9:00 to 12:00 (in-person only)
        ii. Workshop #4 – Week of December 5, pending
    d. 65% Document Owner Review – January 11 to 24
    e. Plan Implementation Path – January 25 to March 14
        i. Workshop #5 – Week of January 16, pending
        ii. Workshop #6 – Week of February 20, pending
    f. 95% Document Owner Review – March 15 to 28
    g. Finalize Document & Present – March 20 to May 26?
        i. Finalize Document – March 29 to April 11
        ii. Present to NCTC President and Administration – April (tbd)
        iii. Present to MN State – April/May (tbd)
        iv. Final CFP Submittal – May (tbd)
8. NEXT MEETING: Workshop #3 – set for Wednesday, November 9. This will be a 3-hour in-person only meeting.
    a. Headline: Future Scenario Development

END OF MINUTES

NORTH PARKING

NORTH PARKING

WEST PARKING

EAST PARKING

SOUTH PARKING

SOUTH PARKING

VISITOR PARKING

CAREERFORCE PARKING

EAST PARKING

WEST PARKING

NORTHLAND COMMUNITY & TECHNICAL COLLEGE

LIBRARY MUCH TOO LARGE

HIGHLY DESIRED ROOM; CENTRAL W/ GOOD LIGHT

LOTS OF EXTRA PRIME REAL ESTATE WITH BOOKSTORE

NOT USED EXCEPT FOR LARGE GROUPS; TIERED FLOORS NOT PREFERRED; ALL SEATING IS FIXED SO GROUP WORK NOT WORKABLE

HIGH USE IN THESE ROOMS (115, 117)

TRY TO COMBINE COMMONS & CAFETERIA SPACES TO ELIMINATE DUPLICATED SPACES?

GOOD ROOMS

DO WE NEED COMPUTER LABS?

MOTHBALLED SPACE RIGHT NOW

SEVERAL ROOMS ONLY ACCESSIBLE THRU OTHERS; STRANGE SPACE LAYOUT FOR CLASSROOMS, USED TO BE DIESEL MECH

SEVERAL ROOMS ONLY ACCESSIBLE THRU OTHER ROOMS

MAYBE TOO MUCH ART SPACE?

SOME POSSIBLE SYNERGY WITH SCIENCE LABS - CROSS DISCIPLINE; ANIMAL SCIENCE; POSSIBLE SHARING OF FACULTY ACROSS CAMPUSES

A

D

E

F

G

H

I

J

L

M

FITNESS CENTER

TESTING CENTER

LIBRARY

OLDER SPACE, UNUSABLE/DEAD SPACE

PARKING

PARKING

CORRECT SIZE/FUNCTION, ACCESSIBLE & NEW CONSTRUCTION, GOOD DESIGN INCLUDING FACULTY IN PLANNING

IN SUMMER: HEATING & COOLING FOR VERY SMALL NUMBER OF FACULTY/STAFF

FACULTY MEETING SPACES, VISIBILITY INTO TEACHING AREAS, PEOPLE-POCKETS/GATHERING AREAS, ISOLATION/SINGLE-USER BOOTHS

NOT FLEXIBLE TECHNOLOGY; NOISE/SOUND ISSUES

NEED MORE EQUAL SIZE OFFICES & PRIVACY FOR HR OFFICES

ADMINISTRATIVE OFFICES

155 OFFICES

240/245 OFFICES

405 OFFICES

NURSING

ODD SPACE LAYOUT

COURTYARD

COMPUTER NETWORKING LAB 224

I.T. 205

P.T.A. LAB 314

SURGICAL TECH LAB 322

RADIOLOGY LAB 336

PHARMACY LAB 354

RESPIRATOR LAB 368

EARLY CHILDHOOD 352

NURSING LABS 417

NURSING LABS 418

ANATOMY LAB 330

MICRO-BIOLOGY LAB 334

CHEMISTRY LAB 338

GOOD SUPPORT SPACES & EASY TO NAVIGATE

STUDENT SERVICES

NORTHLAND STORE 201

RECEPTION

COMMONS

THESE ARE REQUESTED OFTEN

VISITOR PARKING

BOB'S THOUGHTS:

NEW CAFETERIA

STUDENT SPACES/LOUNGE

CLASSROOMS & LABS

LIBRARY 270

TESTING CTR 296

FITNESS CENTER 299

O.T.A. LAB 306

CAFETERIA

HVAC, CONSTRUCTION ELECTRICITY, PLUMBING LAB 502

525 OFFICES

VETERANS CENTER 540

RECEIVING 546

CONE LAB 556

CONE LAB MAY WANT TO MOVE HERE?

LOTS OF HALLWAYS WITH DIFFICULT NAVIGATION - WHOLE BLDG

NEED MORE STUDENT 'LEARNING STUDIOS' - SMALL GROUP SPOTS

WHERE ARE THE PEOPLE-POCKETS?

PARKING

800 BUILDING

CONE-PLUMBING-HVAC INSTRUCTORS HERE; KIND OF ODD LOCATION

WELDING LAB 530

CVOP SIM LAB 520

ADULT BASIC ED 560

MANUFACTURING & CARPENTRY 570

CLASSROOM IN A 'SUITE' FEELS A LITTLE STRANGE; MAYBE SHOULD BE OFF MAIN HALLWAY?

ARCHITECTURAL TECHNOLOGY

ACADEMIC SUCCESS CENTER

FIRE TECHNOLOGY PARAMEDICINE 730

GROUNDS DEPARTMENT 701

700 BUILDING

TUCKED SO FAR AWAY FROM EVERYTHING; MAYBE MOVE CLOSER TO THE CENTER OF BLDG - LIBRARY?

ADULT BASIC ED - NEEDS TO BE LOCATED IN ONE SPOT INSTEAD OF SPREAD AROUND

PARKING

NORTHLAND COMMUNITY & TECHNICAL COLLEGE

ROOM NUMBER COLOR KEY:

- 100-199
- 200-299
- 300-399
- 400-499
- 500-599
- 700-799

DIRECTORY:

1. Academic Success Center 578-580
2. Administrative Offices
3. Admissions 106
4. Adult Basic Education 560
5. Business Office 130
6. Cafeteria
7. Counseling 110
8. Financial Aid 117-118
9. Fire Tech./Paramedicine
10. Fitness Center 299
11. IT Services 205
12. Library
13. Northland Store
14. Nursing
15. Reception
16. Receiving 546
17. Registrar 111-112
18. Student Services
19. Testing Center
20. Veterans Center 540
21. Workforce Development Solutions

AED Defibrillator

First Aid Kit

Restrooms

NORTH PARKING

NORTH PARKING

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

WEST PARKING

WEST PARKING

EAST PARKING

EAST PARKING

SOUTH PARKING

SOUTH PARKING

VISITOR
PARKING

CAREEREORCE
PARKING

Overall Utilization:
Summer 21 0.00
Fall 21 35.27
Spring 22 36.14

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

ROOM NUMBER COLOR KEY:

- 100-199
- 200-299
- 300-399
- 400-499
- 500-599
- 700-799

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12. Library
13. Northland Store
14. Nursing
15. Reception
16. Receiving 546
17. Registrar 111-112
18. Student Services
19. Testing Center
20. Veterans Center 540
21. Workforce Development Solutions

AED Defibrillator

First Aid Kit

Restrooms

Overall Utilization:
Summer 21 0.64
Fall 21 30.33
Spring 22 33.48

PARKING

Overall Utilization:
Summer 21 4.89
Fall 21 30.12
Spring 22 26.47

MINUTES – WORKSHOP #3 – Future Scenario Development

22019 NCTC Comprehensive Facilities Plan

Meeting Date: November 9, 2022

MEETING INFORMATION:

Date: Wednesday November 9, 2022

Time: 9:00 – 12:00 pm

Location: NCTC TRF Campus Room 662 (in person only)

Attendees/Present: (if checked)

- ☐ Michelle Gerner, MN State
- ☐ Brenda Bruggeman, NCTC
- ☒ Clinton Castle, NCTC
- ☒ Bob Gooden, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☒ Julie Fenning, NCTC
- ☒ Jodi Stauss, NCTC
- ☒ Curtis Zoller, NCTC
- ☒ Shamani Shikwambi, NCTC
- ☒ Stephanie LeDuc, NCTC
- ☐ Mike McLean, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☒ Patrick Thibaudeau, JLG
- ☒ Nick Jensen, JLG
- ☒ Brett Szymanski, JLG

ITEMS OF DISCUSSION:

1. CFP PRIORITIES (for reference)
    a. Sustainability
    b. Diversity and Equity
2. FUTURE SCENARIO DEVELOPMENT
    a. Pending projects were recapped with no new information presented.
        i. Capital pending - Effective Teaching & Learning Lab Renovations
        ii. HEAPR pending - TRF Aerospace roof replacement of classroom addition
    b. Background highlights were shared regarding today's committee work.
    c. Extreme schemes listed below were reviewed. These will allow groups to focus on one topic at a time and discuss in more detail without being held back by concerns of impact to other topics. Building plans were marked up for each scheme.
        i. Culture of Connection
        ii. Sustainability
        iii. Technology
        iv. Best Business Case
    d. Committee members broke in to two work groups to discuss the Culture of Connection and Sustainability. A break was taken and then groups discussed Technology and the Best Business Case schemes.
    e. Each group shared a summary their discussion of each scheme. Below are a few items noted
        i. Culture of Connection
            1. Add outdoor classroom spaces
            2. Programs are isolated in separate areas of buildings
            3. Could student senates be combined?
            4. Open commons connected between campuses
            5. Create feel of connection between campuses by using similar design, finishes, colors, branding and signage
            6. Maybe area can be provided for outdoor eating – food trucks, inviting for community
            7. How can campus connect to downtown? To other campuses?
            8. Large meeting spaces to bring people to campus
            9. Like EGF commons, how to create something like it at TRF
            10. Student support is a challenge at TRF Aerospace – food service, student services, connection to campus
        ii. Sustainability
            1. Geothermal is a good option with the land available
            2. Wind energy – had a previous study showing wind could power whole campus

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3. Interested in solar energy, has good rebate options. Roofs on both EGF and TRF are fairly new so do not want to put on roof
4. Land to the east of the EGF campus is noted by NCTC. This land has potential for solar, geothermal, farmland for teaching, future expansion, or could be sold to kick off renovation costs
5. Campus wants all forms for sustainable energy to be visible to the public from the highway. This could help recruit new students and showcase the college's goal of sustainability
6. Large wind turbines could be a problem on campus as they need a fall radius around them. Wind energy would be hard to implement at the Aerospace campus due to flight related restrictions. The potential of bladeless wind energy as discussed as it does not take up as much space and could make a colonnade that could be seen from the street. Bladeless wind energy is also a new technology that could be implemented into the construction technologies coursed to give students a unique set of skills
7. Parking lot water collection was discussed as well as landscaped retention ponds or rain gardens.
8. Group considered using kitchen scraps for campus to start a composting program. This would pair nicely with a community garden.
9. Potential savings – walk in freezer and cooler in EGF are water cooled and waste a lot of water. Also having the ability to turn down cooling or heating in spaces not being used would reduce cooling and heating costs.

iii. Technology
1. Need more flexible learning spaces/hi-flex.
2. Some classes may have in person, remote and asynchronous students, this can change day by day
3. Look to right size spaces
4. Open access to students who do not have internet at home
5. Providing spaces like study rooms to meet using technology for students
6. Library should be designed a as true learning commons with technology and where some spaces have more noise, not just quite reading
7. Should library and student support spaces to blended to increase use?
8. Enrollment growth is online. Not all online programs use the same platform which cause differences. Can campus provide tech support for faculty to start getting more on the same one
9. Look at ways to reduce duplication between campuses, especially TRF and Aerospace
10. Look at furniture to create flexible spaces

iv. Best Business Case
1. Student services at the TRF campus should be more internalized in the building so they are near the cafeteria and student commons
2. How to get more students enrolled? Specialized programs, new technology, and better student spaces were all thought to be ways to increase enrollment
3. NCTC has a great rate of job placement for graduating students
4. The college's connection with the community and region businesses could be capitalized upon to recruit new students
5. Students largely stay local, there are other regional tech school options, but most local students do not want to travel
6. Do all science classes need a specialized lab or could they be consolidated into one general science lab?
7. Farmland to the east of EGF campus could be used as a teaching tool for agricultural classes
8. Farmland to the east of EGF campus could also be used as a protective services village to simulate real life training for the criminal justice program (simulated gas station, meth house, etc.) This would provide a specialized niche program to the campus
9. There is some chance for program changes to reduce the number of faculty.

f. A dot exercise was done to see how each scheme addresses the overall goals of: 1) Facilities Condition Index (FCI)/Deferred Maintenance; 2) Energy Efficiency; 3) Utilization; 4) Recruit & Retain; 5) Welcome Equitable, Diverse, Inclusive (EDI) Community
g. Group discussed hybrid scenario which incorporated items from each extreme scheme

i. Clusters, EDI, Recruitment, Technology with help with energy efficiencies, students are demanding sustainability, utilization is important, items to stay

3. OTHER ITEMS
    a. 35% Document review comments are available on project Teams site. The committee will review and provide feedback.
    b. Members of the mechanical and electrical engineering team have visited the EGF and TRF campuses, and the TRF Aerospace site.
4. NEXT STEPS
    a. Stakeholder engagement was discussed. JLG has draft surveys completed. The committee will review and provide feedback.
        i. Group discussed initial thoughts of who to engage and how
            1. Students – focus groups/survey
            2. Faculty & Staff – open town hall
            3. Community Advisory Group, K12 Partners, community survey
                a. Get help promoting survey from community groups
5. SCHEDULE & KEY DATES for reference
    ~~a. Compile and Analyze Existing Data – June 20 to September 27~~
        ~~i. Kick-off Meeting – Tuesday, June 21 at 3:30 – 5:00~~
        ~~ii. Workshop #1 – Wednesday July 27 at 10:00 - 12:00~~
        ~~iii. Workshop #2 – Tuesday August 23 at 1:00 – 3:00~~
    ~~b. 35% Document Owner Review – September 28 to October 21~~
    c. Site and Building Plan Development – October 24 to January 10, 2023
        i. Workshop #3 – Wednesday November 9 at 9:00 to 12:00
        ii. Workshop #4 – Wednesday December 7 at 10:00 to 12:00 (EGF?)
    d. 65% Document Owner Review – January 11 to 24
    e. Plan Implementation Path – January 25 to March 14
        i. Workshop #5 – Wednesday January 18 at 10:00 to 12:00 (TRF?)
        ii. Workshop #6 – Wednesday February 22 at 10:00 to 12:00 (EGF?)
    f. 95% Document Owner Review – March 15 to 28
    g. Finalize Document & Present – March 20 to May 26?
        i. Finalize Document – March 29 to April 11
        ii. Present to NCTC President and Administration – April (tbd)
        iii. Present to MN State – April/May (tbd)
        iv. Final CFP Submittal – May (tbd)
6. NEXT MEETING: Workshop #4 – Wednesday December 17 at 10:00 to 12:00
    a. Headline: Future Scenario Development

END OF MINUTES

MEETING MINUTES – WORKSHOP #4 – Future Scenario Development

22019 NCTC Comprehensive Facilities Plan

Meeting Date: January 11, 2022

Attendees/Present: (if checked)

- ☒ Clinton Castle, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☒ Julie Fenning, NCTC
- ☒ Curtis Zoller, NCTC
- ☒ Stephanie LeDuc, NCTC
- ☒ Mike McLean, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☒ Patrick Thibaudeau, JLG
- ☒ Nick Jensen, JLG
- ☒ Brett Szymanski, JLG

MEETING INFORMATION:

Date: Wednesday January 11, 2022

Time: 9:00 – 11:00 pm

Location: Virtual Only

ITEMS OF DISCUSSION:

1. FUTURE SCENARIO DEVELOPMENT

a. Thief River Falls Campus

i. Site and sustainability modifications review

1. Parking on the north by tennis court is used by head start and often used by public for tennis and pickle ball. Parking was resurfaced 2-3 years ago and is wanted to remain.
2. West parking used for community and sports events and defensive driving training. Question raised if defensive driving training could happen at MEC if an area was paved. Would this allow for more multipurpose use and reduce paved area.
3. HVAC needs to be updated in some areas in the main campus building (currently 80% updated).
4. 2a land has some goal posts remaining from the old practice field. The site is land locked; must go through campus to access site. (NCTC wants to start soccer this may be a good place but unsure if soccer will be at EGF or TRF) Land could potentially be used to combine protective service. Selling land is a potential option but is dependent on the future plans of NCTC.
5. Parking near MEC is gravel (high school owns part of the parking)
6. North end parking by utility shed is used for overnight and fleet parking but could be moved.
7. Soccer field to the east of Track exists already.

ii. Building modifications review

1. Committee suggested moving Career Force to community wing.
2. Academic Services/Support in 205 could move to the library/media center and potentially add extra space for Career Force.
3. Want all academic support in/near the library to reduce the stigma of needing academic help.
4. Business office staff needs to be co-located with the bookstore.
5. The group enjoyed the idea of a main community entrance on the west and a student/faculty entry on south with a wider spine connecting both.
6. The group enjoyed the idea of making an "academic core" lumping all academic spaces into one wing will help students congregate so the building feels more lively.
7. 1B is one of the High Bay spaces and may not be the best use for science labs depending on future program plans. Science labs could move to Career Force space.
8. Curtic asked other committee members to consider if things being discussed will help academics and be student-centered to increase recruitment and retention.
9. Locations of summer session use should be considered so parts of the building can be "shut down" to reduce operational costs.

b. Thief River Falls Aerospace Site

i. Site and sustainability modifications review
    1. Area notated for geothermal is not campus land.
    2. All land is leased by NCTC from the airport; NCTC only owns buildings at the Aerospace site.
    3. There are possibilities to have cooperative projects between NCTC and the airport for geothermal, solar and wind.
    4. Land to the north of 1B would have a higher potential for geothermal or solar.
    5. 1G area is in need of a update so this has a higher potential of being accepted by the airport officials.
    6. If projects could help the airport as well there is a lot more potential for the airport to accept.
    7. Buildings on the northeast of the site are old air hangers that are set to be demolished and replaced.
    8. Site modifications will need to be coordinated with FAA, which will add red-tape.

ii. Building modifications review
    1. 5+6 & 27+28 are similar spaces: 9+10 would be affected also. Looking to consolidate space so these could be opened up for student use.
    2. Equipment is stored in room 24 but mobile equipment is used throughout campus. Room 24 has higher utilization than shown in MN State system data base.
    3. Room 25 is currently used for storage but is being looked at for nondestructive testing in future.
    4. Curtis understands duplication of some things here such as welding and paint booth. They are discussing potential for consolidation with main campus.
    5. Extend 3B space to the south; renovate whole area of offices.
    6. Workforce Solutions is looking for a dedicated space. Classroom & computer lab 9 & 10 can be used as is (little work needed).
    7. Room 31 robotics lab has dust issues and finishes are lacking: refinish space project?
    8. Room 3 is the current kitchen (Aerospace no longer has food service)
    9. In general items noted were on track with what committee sees as needs.

c. East Grand Forks Campus

i. Site and sustainability modifications review
    1. Campus okay with suggestion to add more parking in the front and remove parking from the back.
    2. Move north parking lot basketball hoops to a different area (hoops are often used by community and students).
    3. Farmland to the east of campus is owned by NCTC and could potentially be sold. The land closer to the main building could be sold but is dependent on future program plans.
    4. City bus currently stops on south side of campus. Committee would like to see this be at the main west entry.

ii. Building modifications review
    1. Academic Support Center space should move to the library along with the business department, and bookstore. The testing room needs to be relocated as well. The library should have a social space that includes academic support, tech support, etc. More space may be needed to group all these things together.
    2. 3A HR and Accounting offices don't need to be "up front" so could be moved somewhere else.
    3. Concerns were raised about high use space room 502 and if this can be shared/used concurrently.
    4. Room 502 could use a redesign but 570 for robotics would not work to combine with 502. Construction classes that have no current home could be incorporated into 502.
    5. 701 would better house criminal justice (potentially move from TRF) to group similar programs.
    6. Cold storage is cheap to keep in operation and houses campus vehicles; maybe keep this space.
    7. The Wellness area is highly underused (lack of locker rooms deters some use) look at a potential for this space.
    8. 560 and surrounding office spaces are underused and poorly organized, maybe redesign the space for better utilization.

d. Phase Priorities are to be broken out as noted below with list of future projects. Committee would like to review internally before discussing with design team. See sustainability based projects which could seek federal funds related to energy efficiency to have the strongest potential for short-term phase.
    i. Short-Term (2-5 years) 2024 to 2027
    ii. Medium-Term (6-10 years) 2028 to 2032
    iii. Long-Term (11-20 years) 2033 to 2042

2. OTHER ITEMS
    a. Stakeholder engagement was discussed. Campus has been experiencing higher than normal faculty and staff changes so committee does not see focus group meetings and an open house to be beneficial to the project. Surveys may be a good way to get engagement on campus. Draft survey questions have been shared and the campus will provide final comments. Once questions are decided JLG will provide a link for all survey users to participate.
    b. Committee would like to have more time to review information provided today and meet internally before finalizing potential future projects. Group decided it would be best to add workshop #4a in two weeks. Remaining project schedule will be adjusted after this meeting occurs.

3. NEXT STEPS
    a. Stakeholder engagement – Surveys out to students, faculty, staff, and community partners by end of January.
    b. Workshop #4b – Friday January 27 at 1:00 – 3:00 pending.
    c. 65% Document deliverable - Scope of work to include future project list with preliminary priority breakdown for short, medium, and long-term phases of work pending.

4. SCHEDULE & KEY DATES for reference
    ~~a. Compile and Analyze Existing Data – June 20 to September 27~~
        ~~i. Kick-off Meeting – Tuesday, June 21 at 3.30 – 5.00~~
        ~~ii. Workshop #1 – Wednesday July 27 at 10.00 - 12.00~~
        ~~iii. Workshop #2 – Tuesday August 23 at 1.00 – 3.00~~
    ~~b. 35% Document Owner Review – September 28 to October 21~~
    c. Site and Building Plan Development – October 24 to February 10, 2023 pending
        ~~i. Workshop #3 – Wednesday November 9 at 9.00 to 12.00~~
        ii. Workshop #4 – Wednesday January 11 at 9:00 to 11:00
        iii. Workshop #4b – Friday January 27at 1:00 – 3:00
    d. 65% Document Owner Review – February 13 to 24 pending
    e. Plan Implementation Path – February 27 to March 31
        i. Workshop #5 – Wednesday March 8 at 10:00 to 12:00
        ii. Workshop #6 – to be determined
    f. 95% Document Owner Review – April 3 to 14
    g. Finalize Document & Present – April 17 to June 16 pending
        i. Finalize Document
        ii. Present to NCTC President and Administration
        iii. Present to MN State
        iv. Final CFP Submittal

5. NEXT MEETING: Workshop #4b – Friday January 27 at 1:00 to 3:00 (virtual only, to be confirmed)
    a. Headline: Future Scenario Development

END OF MEETING MINUTES

MEETING MINUTES – WORKSHOP #4b – Future Scenario Development

22019 NCTC Comprehensive Facilities Plan

Meeting Date: January 27, 2022

Attendees/Present: (if checked)

- ☒ Clinton Castle, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☒ Julie Fenning, NCTC
- ☐ Curtis Zoller, NCTC
- ☐ Stephanie LeDuc, NCTC
- ☒ Stacey Hron, NCTC
- ☒ Sheri Hutchinson, NCTC
- ☐ Mike McLean, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☒ Patrick Thibaudeau, JLG
- ☒ Nick Jensen, JLG
- ☒ Brett Szymanski, JLG

MEETING INFORMATION:

Date: Friday January 27, 2023

Time: 1:00 – 3:00 pm

Location: Virtual Only

ITEMS OF DISCUSSION:

1. FUTURE SCENARIO DEVELOPMENT

a. Group reviewed funding options available to campus for projects: Capital Budget Bonds, HEAPR, Revenue Fund Bonds, Revenue Fund Reserves, Fundraising, Grants, Local Campus Funds, Power Purchase Agreement, Public Private Partnership

b. Draft project list with phased projects was reviewed. Excel file updated in meeting.
   i. Short-Term (2-5 years) 2024 to 2027
   ii. Medium-Term (6-10 years) 2028 to 2032
   iii. Long-Term (11-20 years) 2033 to 2043

c. Discussion of project list broken down by campus below:

d.

Thief River Falls

- Thief River Falls is in the greatest need for initial updates.
- There is a want to add a manufacturing program.
- NCTC does not want to move the bookstore into the library.
- There is a want to reintroduce a cosmetology program (infrastructure still exists, only cosmetic updates required)
- Clinton questioned changing cafeteria before adding outdoor seating.
- Recycling in Thief River is not adequate; NCTC would like to recycle better, but City does not have as large a program as EGF. Food/lawn waste composted (visible in the sense of adding sorted recycling containers).
- Hold off on media center renovations till later; student services renovation predesign should happen before the media center renovation.
- Current concessions could be renovated (maybe made larger) and house some bookstore merchandise sales for games, events, etc.
- NCTC is hesitant on selling TRF land (group wants to build childcare facilities there, also road/right of way issues to figure out)
- 631 nursing lab is outdated. Other spaces around it have been updated.
- Addition of prairie grass can happen periodically as the campus can afford; this does not need to happen all at once.
- There are no know community gardens in Thief River Falls; a campus sponsored community garden could be nice for the community.
- A predesign for a larger "student services "and "learning commons" at same time in TRF (2 phase project). The phasing of these projects depends on capital bonding requirements. (Small projects under $15 million)
- HVAC renovations for TRF are up for HEAPR.
- 1C is Adult basic ed and should be collocated with career force (preferably career force moves to 205 space but should not be a bond project) Would be good to have the 2 external partners in a spot at the end of the building where signage could be placed.
- The science labs move to 700 wing is supported and current science labs would turn into future lease space. All student classes/labs would be collocated.
- Room 245 and area 2A are both art rooms. It would be nice to combine both into one general art room.

East Grand Forks

- Move criminal justice to East Grand Forks to collocate with paramedic and fire safety programs. They are currently using space with Cosmetology infrastructure.
- Campus feels comfortable selling some land at the East Gand Forks campus.
- NCTC wants to add a culinary program at East Grand Forks
- East Grand Forks rooms 520 and 550 office renovation could be included in the culinary program bonding.
- The bookstore at East Grand Forks is good, it may need some small updates but should not move.
- The HR waiting area needs work (maybe reclaim an office near HR as a waiting area?) Sandy likes that there is a private waiting area for the HR waiting area at Thief River Falls. The East Grand Forks mail room could maybe become a new waiting area. The mail room is managed by people from the business office/bookstore so it would be nice to collocate those.

Aerospace

- Aerospace sustainability has potential but would need to be studied first (study money could be rolled into another bonding project).
- Aerospace room 5 is currently a specialized electronics/soldering lab (Digi-key is interested in adding a simulation space out at Aerospace).
- Aero space room 4 is a student break space.
- No composting at aerospace – not their land and not worth it financially/little trash amounts.
- Aerospace classroom addition (2024) should be lumped with bonding project at East Grand Forks.

General

- Parking funds are in a reserve for repaving; NCTC does not want to do a bond for parking.
- Roseau site needs some technology updates but will not be included in the future scenario development.
- Workforce solutions need a dedicated space at any campus could be done when the office remodels are redone (could be done with Aerospace office updates)
- Solar and wind projects could be added to other projects (projects will score better for funding if a sustainable aspect is included).

2. OTHER ITEMS
    a. Stakeholder engagement survey draft has been sent to Committee for their review. Members should test it and return comments next week.
        i. JLG will incorporate comments and provide link that campus can share with students, faculty, staff and community members.
3. NEXT STEPS
    a. Stakeholder engagement – open survey
    b. 65% Document deliverable submittal - pending
4. SCHEDULE & KEY DATES for reference
    ~~a. Compile and Analyze Existing Data – June 20 to September 27~~
        ~~i. Kick-off Meeting – Tuesday, June 21 at 3.30 – 5.00~~
        ~~ii. Workshop #1 – Wednesday July 27 at 10.00 - 12.00~~
        ~~iii. Workshop #2 – Tuesday August 23 at 1.00 – 3.00~~
    ~~b. 35% Document Owner Review – September 28 to October 21~~
    c. Site and Building Plan Development – October 24 to pending
        ~~i. Workshop #3 – Wednesday November 9 at 9.00 to 12.00~~
        ~~ii. Workshop #4 – Wednesday January 11 at 9.00 to 11.00~~
        iii. Workshop #4b – Friday January 27 at 1:00 to 3:00
    d. 65% Document Owner Review – pending
    e. Plan Implementation Path – Pending
        i. Workshop #5 – pending
        ii. Workshop #6 –to be determined if needed
    f. 95% Document Owner Review – March 15 to 28?

g. Finalize Document & Present – March 20 to May 26?
    i. Finalize Document – March 29 to April 11
    ii. Present to NCTC President and Administration – April (tbd)
    iii. Present to MN State – April/May (tbd)
    iv. Final CFP Submittal – May (tbd)

5. NEXT MEETING: Workshop #5 – pending
    a. Headline: Planning for the Future

END OF MEETING MINUTES

MEETING MINUTES – WORKSHOP #5 – PLANNING FOR THE FUTURE

22019 NCTC Comprehensive Facilities Plan

Meeting Date: April 19, 2023

Attendees/Present: (if checked)

- ☒ Clinton Castle, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☒ Julie Fenning, NCTC
- ☒ Stacey Hron, NCTC
- ☒ Sheri Hutchinson, NCTC
- ☐ Mike McLean, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☐ Patrick Thibaudeau, JLG
- ☒ Nick Jensen, JLG
- ☒ Brett Szymanski, JLG

MEETING INFORMATION:

Date: Wednesday April 19, 2023

Time: 9:00 – 11:00 am

Location: Virtual Only

ITEMS OF DISCUSSION:

1. 65% DOCUMENT REVIEW
    a. Thief River Falls campus
        i. Hold off on selling land to the north of campus
        ii. Keep all west parking for defensive driving and motorcycle training.
        iii. Include the bookstore rebranding project as a part of project 1A as this project is scheduled to happen over the 2023 summer.
        iv. Change 5B description to include "Career Force" name
        v. Flip the order of projects 2B and 3A as a center for protective services is a more urgent project.
        vi. Change project 2B description to say "renovate area for future programming (to be identified by studies)- this will give more flexibility to future programs.
    b. Aerospace campus
        i. Notate all site projects as "pending airport approvals and feasibility studies"
        ii. Remove project 1A (HEAPR projects do not need to be listed with the bonding projects)
    c. East Grand Forks campus
        i. Northwest parking is potentially staying to be used as part of the EVOC course. This will be dependent on the desired layout of the course.
        ii. Project 1A is happening during the summer of 2023. Add computer space to the north of the courtyard to project 1A update.
        iii. Part of the 800 building will become heated to house the grounds department. A carpentry lab will move into the former grounds department. This will be included as a part of project 1A.
        iv. RM 106 for project 1A is almost complete and will be finished before the completion of the CFP.
        v. Remove mail room update from project 1A and move to project 6A
        vi. Keep reskinning of building 800 under project 3A
        vii. Change project 4A description to say "renovate construction services labs & area for future programming (to be identified by studies)"
2. POTENTIAL DEVELOPMENT BY PHASE was discussed during 65% document review.
3. OTHER ITEMS
    a. Survey question review
        i. The survey was discussed. The college decided to omit some questions and change some response options.
        ii. JLG will revise and send an updated link for campus it issue
    b. Projects completed since last CFP
        i. (EGF) The roof replacement project has been completed.
        ii. (TRF) The security and ADA compliant door locks project has been completed.
        iii. (TRF) HVAC and ADA compliance in the Theater project has been completed.
        iv. (EGF) The Science lab renovation project has been completed.

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v. (TRF) HVAC Control replacement project has been started – 80% of campus is updated but only 10% of this project is completed.
vi. (EGF)- Tuckpointing exterior walls, replace windows, and repair doors- some of this project was completed but most of the building was in good enough condition to not require the rest of the projects completion.
vii. (TRF)- Tuckpointing exterior walls and replace windows - some of this project was completed but most of the building was in good enough condition to not require the rest of the projects completion.
viii. (EGF)- North parking area realignment and improvements- This project has been started but not completed
ix. (TRF)- Office finish updates- ongoing project about 15% complete
x. (TRF)- Theater updated- lighting, paint, and HVAC is complete, seating is left to finish (about 65% complete)
xi. (TRF)- site signage and wayfinding project- has been started but in not complete
xii. (EGF)- Effective Learning lab renovation- this is a current bonding project that is in the predesign phase.

c. HEAPR requests
i. 2024 HEAPR list project #1- Aerospace classroom addition ($2,104,000)
ii. 2024 HEAPR list project #2- EGF Repairs and recommissions of HVAC ($1,203,058)
iii. 2024 HEAPR list project #3- EGF Replace main switchgear ($465,000)
iv. 2024 HEAPR list project #4- TRF replace HVAC controls.
v. Cost shown on current HEAPR may not be correct and project may get reordered – (TBD)

d. Program partnerships
i. "Northland" should be used instead of NCTC
ii. Change MnSCU to Minnesota State for all applicable.
iii. Law, Public Safety & Security is also partnered with Fargo Fire Department
iv. Law enforcement partners with all local agencies in the area
v. Manufacturing also partners with Marvin Windows and Northwest MN Manufacturing Alliance- Confirm this is all partners and the correct names
vi. Transportation program partners with the National Center For Autonomous Technology
vii. Unmanned Aerial Systems Center Of Excellence is not called "Grand Sky"
viii. Northland is no longer partnered with the Commercial Vehicle Operator Program as they do not have a suitable parking lot for the training
ix. Further verification is needed to determine Northlands partnership with the Minnesota state Moorehead
x. The Agricultural program also partners with Crookston(AG Educators), Regional FFA & 4H clubs.
xi. Skills USA is another business that partners with Northland
xii. Include the Alumni Foundation as a partnership
xiii. Athletic program partners with local high schools, M.E.C., Physical Therapist group, local high school conferences (tournaments)- Clinton will confirm this list
xiv. Community Events/ Connections: partnership with local theater, arts council, young authors event, Math Counts, and Spelling Bee
xv. Intercounty relationships include: Head Start, Meals (supports head start), Community ED, Career Force, Adult Basic ED, Northwest Pick (workforce abroad).

4. NEXT STEPS
a. Survey will be revised as discussed and campus will distribute through email and newsletter
i. NCTC will make their own branded QR code
ii. Jeff will distribute to students and Sandy will distribute to employees.

5. NEXT MEETING: Workshop #6 – May 17th (NCTC is available 9:00 am to noon, JLG to send invite for virtual meeting)
a. Headline: Planning for the Future

END OF MINUTES

MEETING MINUTES – WORKSHOP #6 – PLANNING FOR THE FUTURE

22019 NCTC Comprehensive Facilities Plan

Meeting Date: May 17, 2023

Attendees/Present: (if checked)

- ☒ Clinton Castle, NCTC
- ☒ Sandy Kiddoo, NCTC
- ☐ Julie Fenning, NCTC
- ☒ Stacey Hron, NCTC
- ☒ Sheri Hutchinson, NCTC
- ☐ Mike McLean, JLG
- ☒ Fawn Behrens-Smith, JLG
- ☐ Patrick Thibaudeau, JLG
- ☒ Nick Jensen, JLG
- ☒ Brett Szymanski, JLG

MEETING INFORMATION:

Date: Wednesday May 17, 2023

Time: 9:00 – 11:00 am

Location: Virtual Only

ITEMS OF DISCUSSION

1. REVIEW ANTICIPATED COSTS AND PHASE PRIORITIES

a. Short term
   i. Clinton – Roof replacement for Aerospace is a HEAPR project that was already designed and estimated at $2.1 million
   ii. South parking lot at East Grand Forks (done in 2023) - $460,000 (60% parking lot revenue funds 40% general campus funds)
   iii. EGF 1B,1C, 1D,1E,1F projects will need to find other funding sources other than just local funds (could use fundraising for community and pollinator gardens at EGF and TRF)
   iv. Not a space on campus to accommodate the Center for Protective Services renovation (pricing will need to change to accommodate a new building at TRF)
   v. Sandy – 2026 and 2029 are "magic years" for bonding revenue
   vi. NCTC does not usually have projects as big as $7.5 million, usually in the $4-5 million range. Worries about budgeting for debt service.
   vii. Clinton – Can pieces of projects be covered by HEAPR (no debt service for HEAPR funding)? This could help break up the project cost by having HVAC covered by HEAPR funding.
   viii. Short term should extend to 2029 and try to cover 2 larger projects $5 million and under
   ix. Predesign for short term (Center for Protective Services and Nursing Labs and move Student Service Hub and Library/Media Center to medium term)
   x. Projects were ranked by NCTC staff in attendance: (1) Nursing, (2) Criminal Justice, (3) Student Services Hub, (4) Library/Media Center
   xi. Clinton – Nursing predesign should be submitted on its own; adding Criminal Justice to it could slow process as funding is harder to get when adding square footage.

b. Medium term
   i. Student Service Hub and Library/Media Center project would be better in medium term around 2030 due to project debt dropping off at that point

c. Long term
   i. Remove geothermal, wind energy, and solar panels from the TRF Aerospace Campus.

SURVEY RESPONSE SUMMARY

d. Survey result were sent to campus yesterday. 80 total responses were received – 26 students / 54 employees

e. Overall responses were generally positive. Some comments received regarding need for branding and more consistent look at all locations, which is something Clinton has started to address.

2. GENERAL COMMENTS

a. Some EGF students go and study at the UND Student Union; they like the study nooks. Committee members are planning to visit the building to see the spaces themselves.

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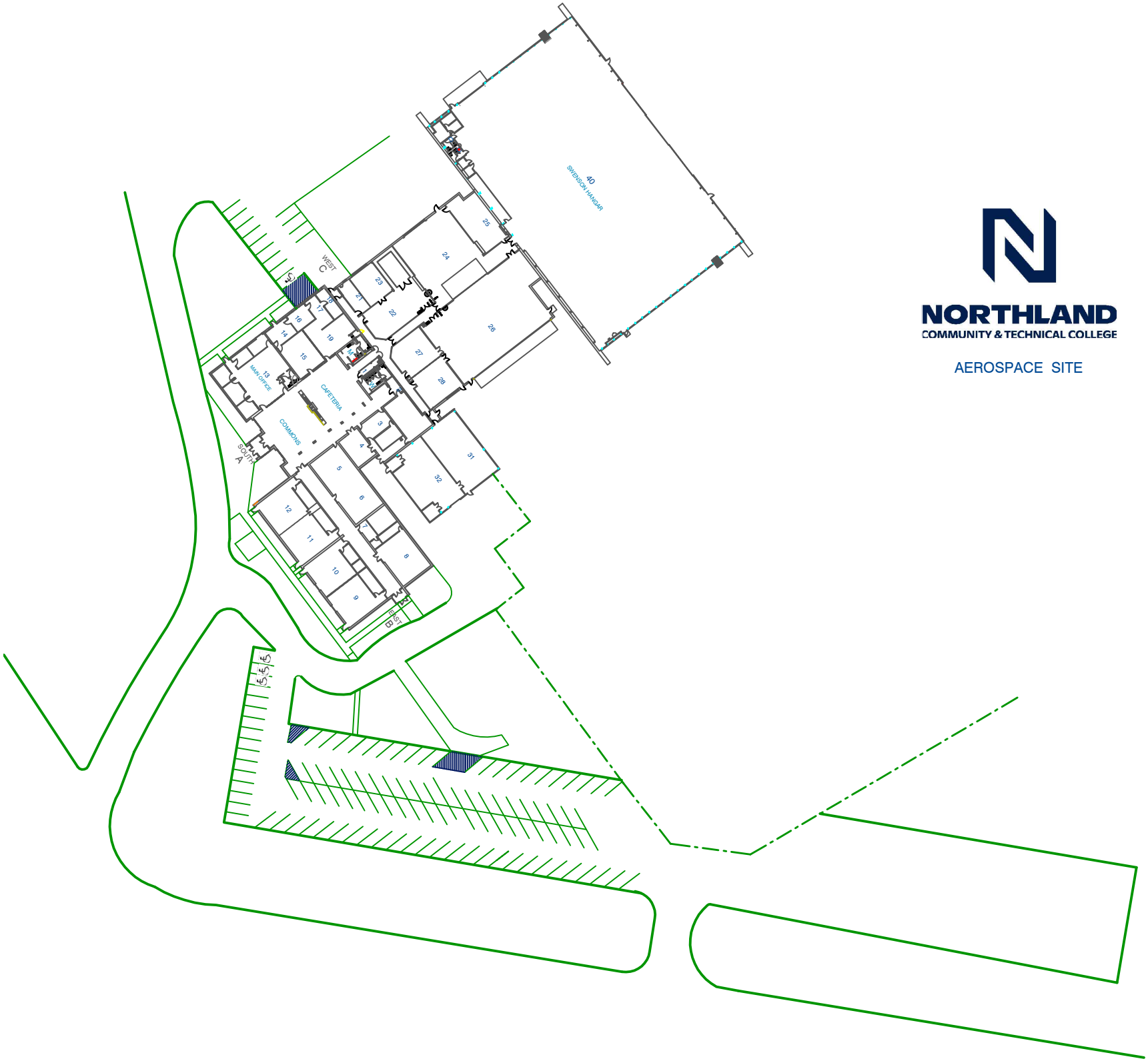
3. NEXT STEPS:
    a. 95% Document Owner Review – June 5 to June 16
    b. Incorporate Review Comments – June 19 to 23
    c. Present to MN State – tbd, campus to confirm, but thought Michelle would help schedule this

END OF MINUTES

7.0 APPENDIX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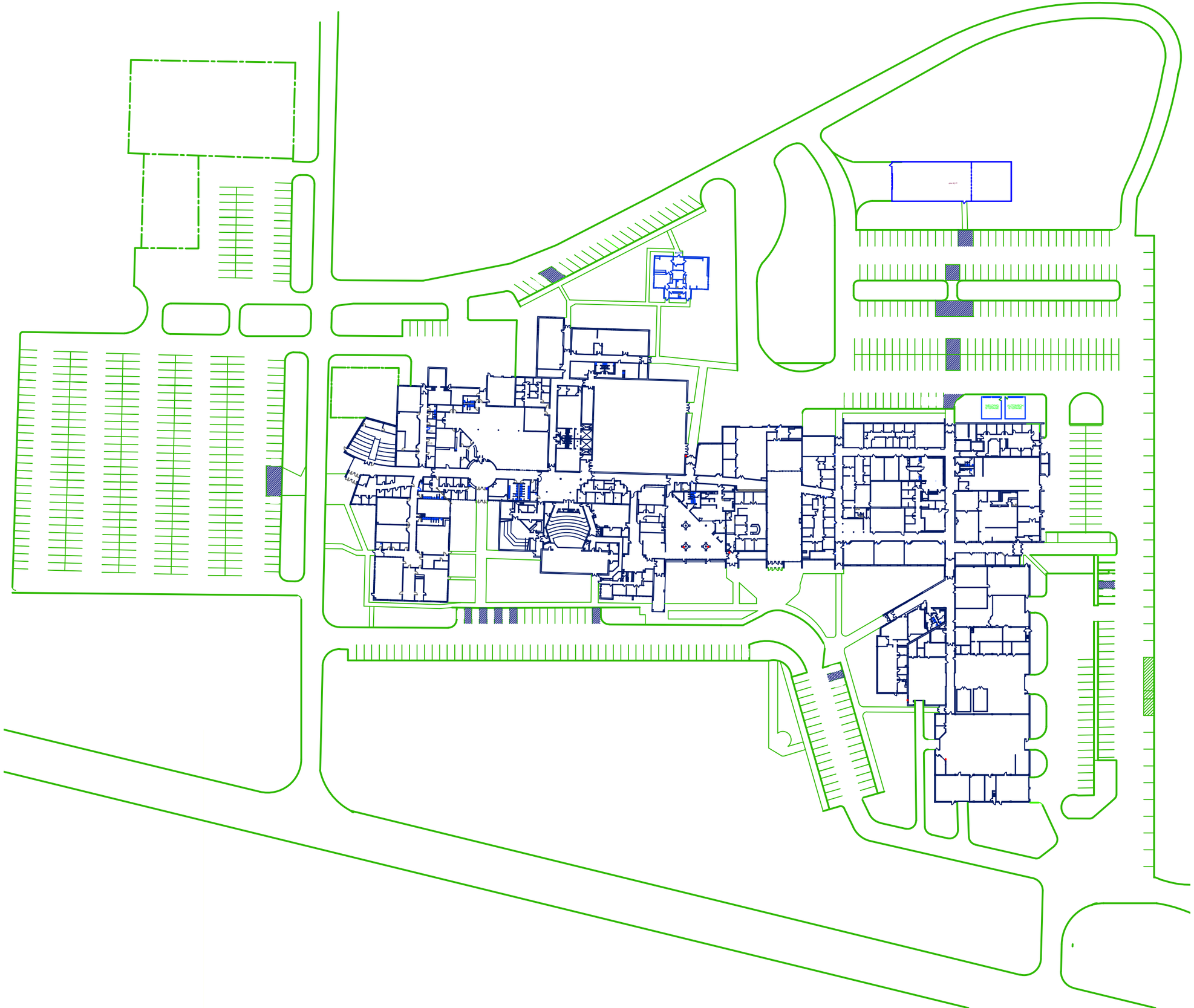
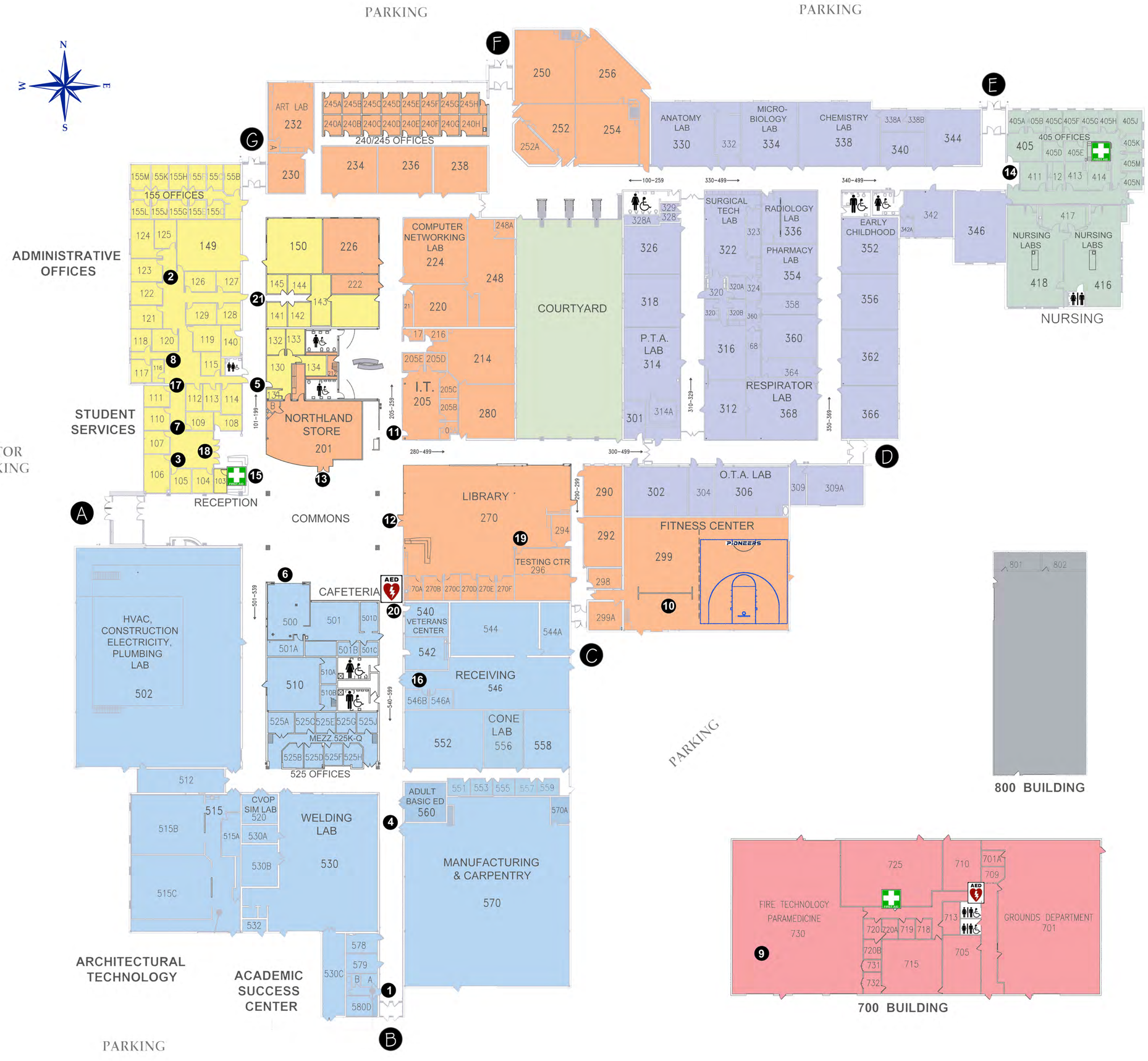




NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

ROOM NUMBER COLOR KEY:

- 100-199
- 200-299
- 300-399
- 400-499
- 500-599
- 700-799

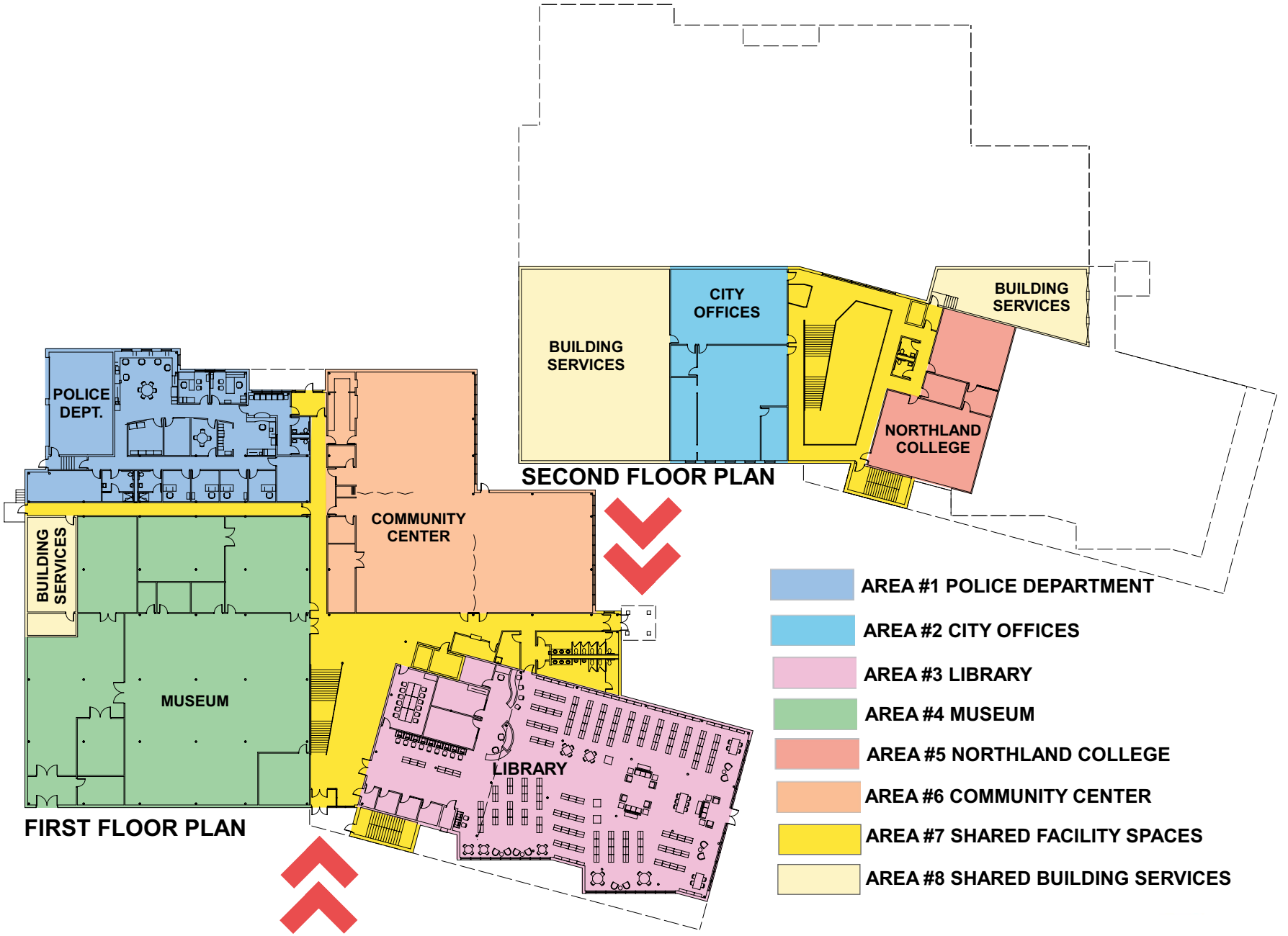
DIRECTORY:

1. Academic Success Center 578-580
2. Administrative Offices
3. Admissions 106
4. Adult Basic Education 560
5. Business Office 130
6. Cafeteria
7. Counseling 110
8. Financial Aid 117-118
9. Fire Tech./Paramedicine
10. Fitness Center 299
11. IT Services 205
12. Library
13. Northland Store
14. Nursing
15. Reception
16. Receiving 546
17. Registrar 111-112
18. Student Services
19. Testing Center
20. Veterans Center 540
21. Workforce Development Solutions

AED Defibrillator

First Aid Kit

Restrooms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COMMUNITY CENTER
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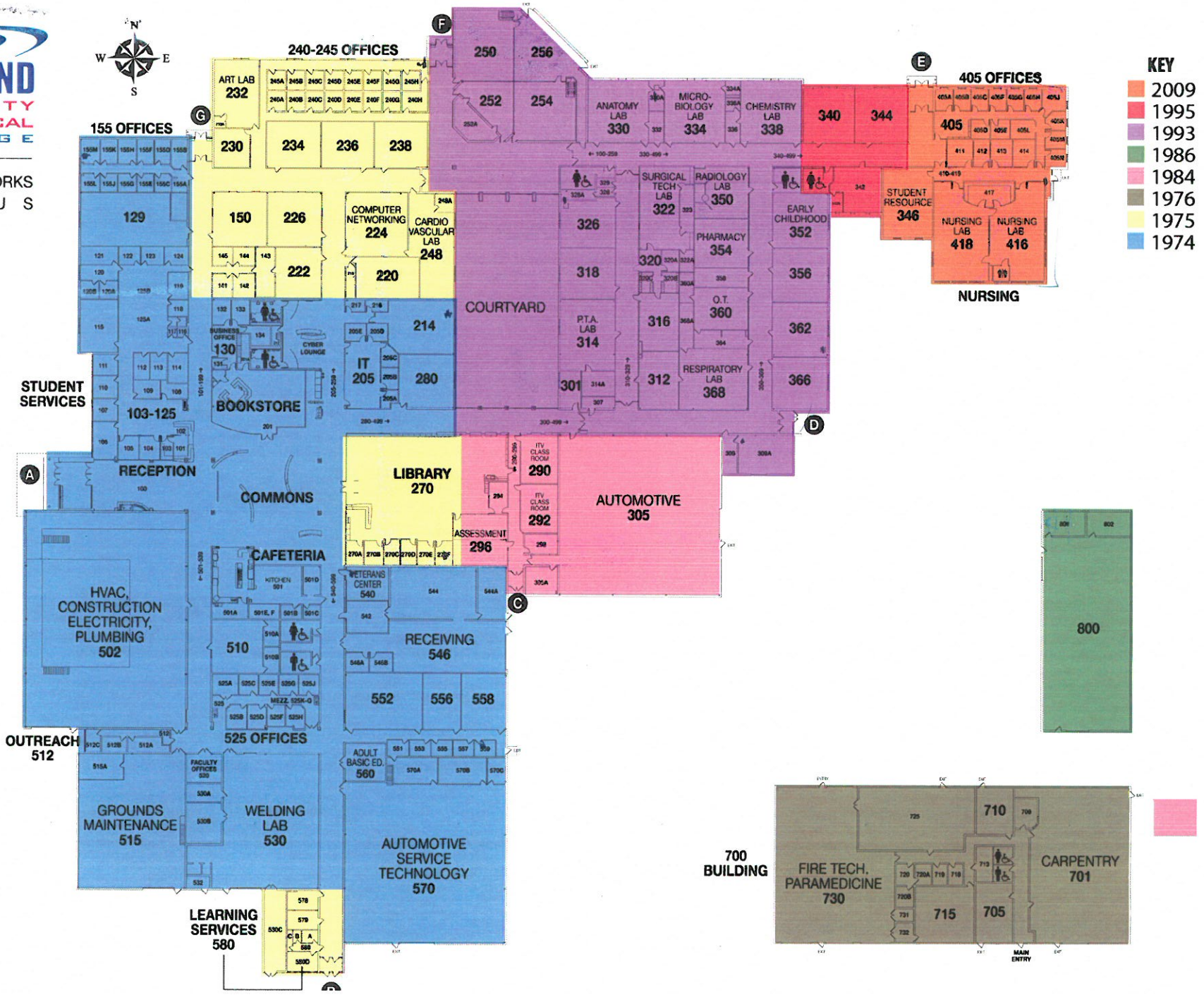
MUSEUM
LIBRARY
FIRST FLOOR PLAN
AREA #1 POLICE DEPARTMENT
AREA #2 CITY OFFICES
AREA #3 LIBRARY
AREA #4 MUSEUM
AREA #5 NORTHLAND COLLEGE
AREA #6 COMMUNITY CENTER
AREA #7 SHARED FACILITY SPACES
AREA #8 SHARED BUILDING SERVICES

7.0 APPENDIX

NORTHLAND COMMUNITY & TECHNICAL COLLEGE

EAST GRAND FORKS CAMPUS



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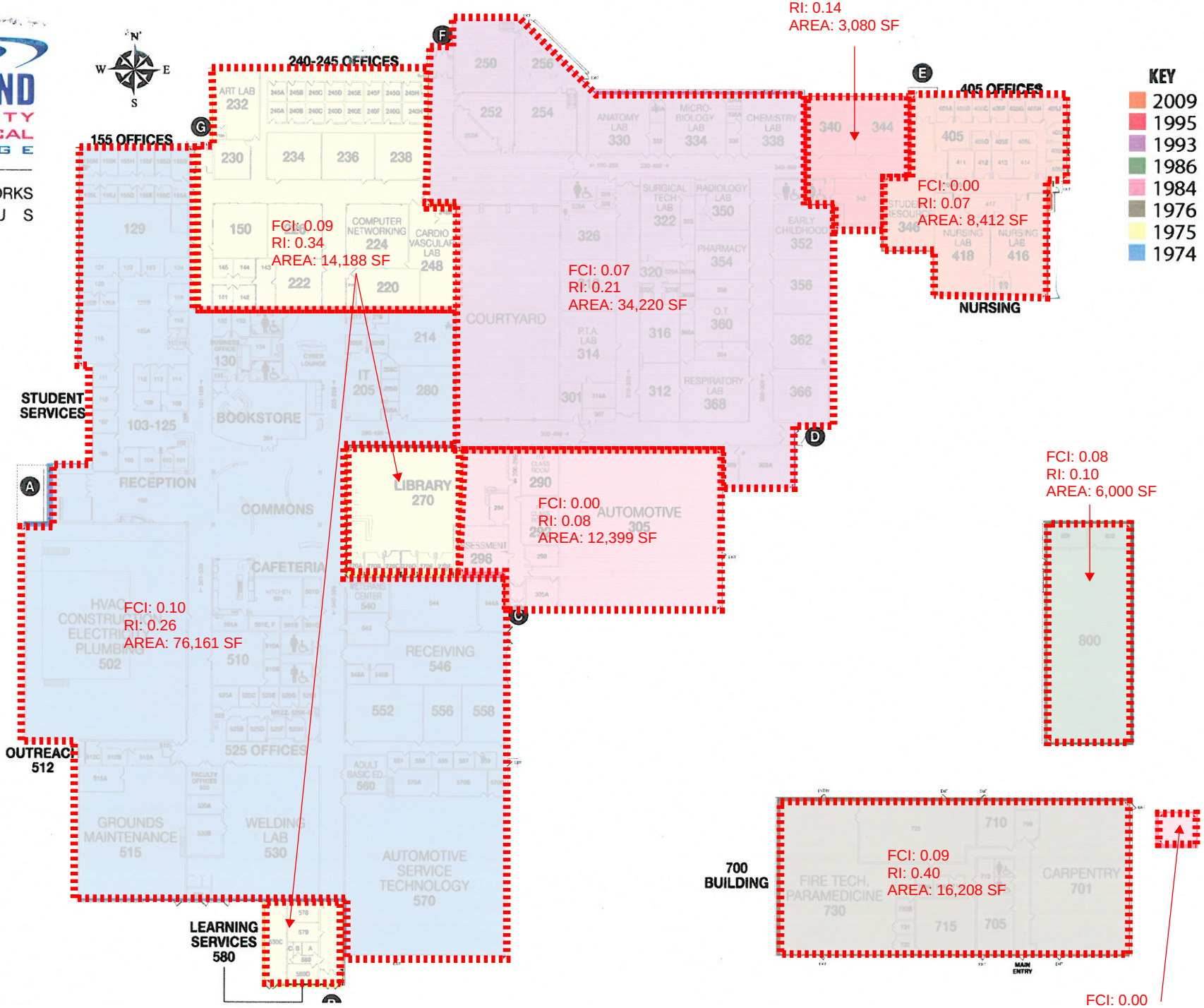
NORTHLAND COMMUNITY & TECHNICAL COLLEGE

EAST GRAND FORKS CAMPUS



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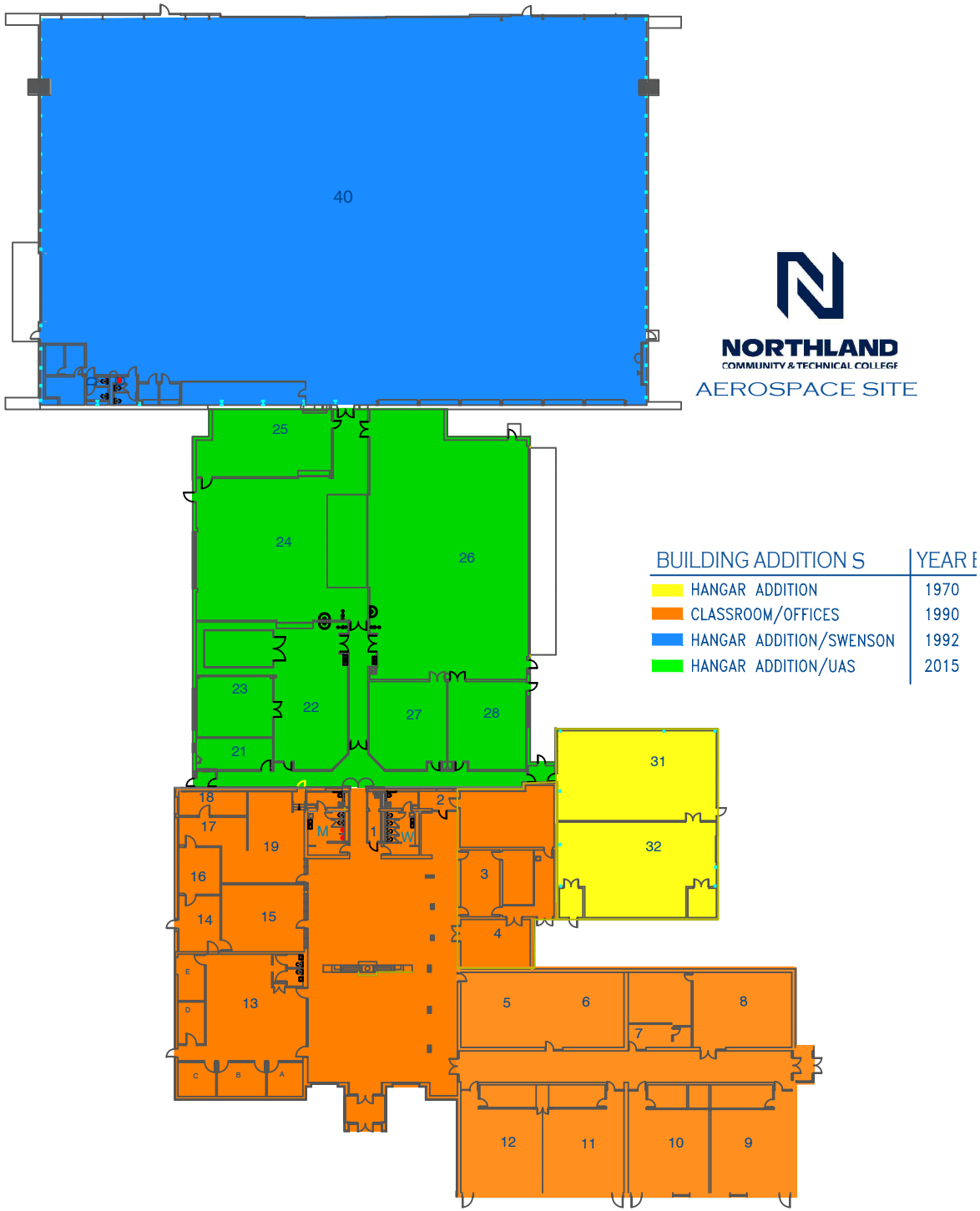
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COMMUNITY & TECHNICAL COLLEGE
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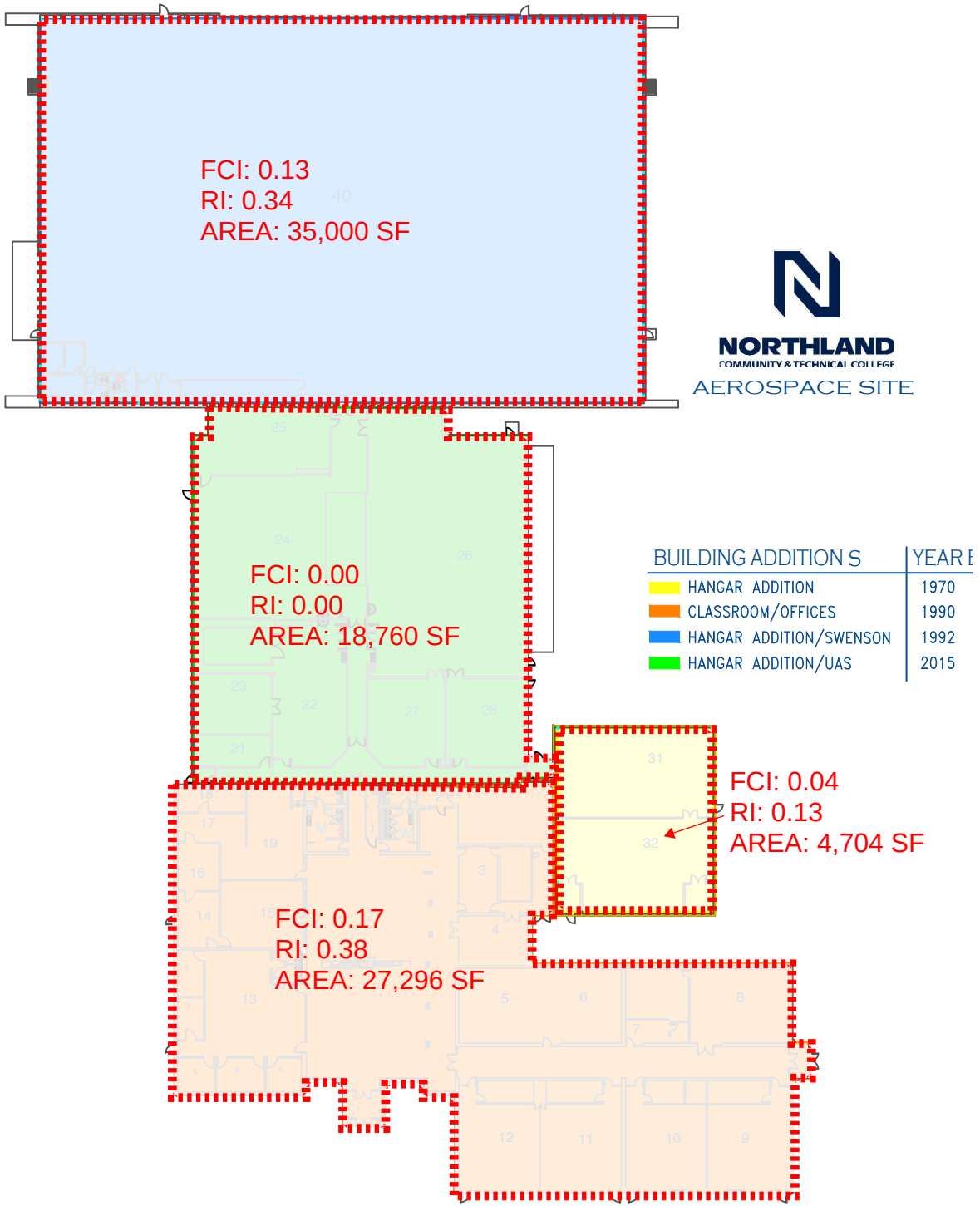
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COMMUNITY & TECHNICAL COLLEGE
AEROSPACE SITE
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1992
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2015
FCI: 0.04
RI: 0.13
AREA: 4,704 SF
FCI: 0.17
RI: 0.38
AREA: 27,296 SF

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

2001

GROUNDS SHED

1999

MEC

1978

	YEAR
MAIN BUILDING-EAST	1967
MAIN BUILDING-WEST	1969
GYM/LOCKER	1971
SHOPS/COSMO/KIT/CAF	1978
DAYCARE BUILDING	1990
MUSIC/GYM	1990
AUTOBODY/ARCH.	1997
COMMONS/OFFICES	1999
SCIENCE/CLASSROOM	2001
FITNESS ADDITION	2001
WORKFORCE CENTER	2006
WELDING/ROBOTICS	2007
NURSING/OFFICES	2007
NEW MEDIA	2010
CRIMINAL JUSTICE	2016
FITNESS CENTER	2016-19
THEATRE HVAC	2019
MECC	1999
GROUNDS SHED	2001

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities
Facilities and Infrastructure: 75 Addition
Facilities and Infrastructure Number: E26265T0275

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	594,783	**FCI:**	0.09
RI Cost:	2,195,072	**RI:**	0.34
Total Requirements Cost:	2,195,071		
Current Replacement Value:	6,365,454	**Date of most Recent Assessment:**	May 18, 2022

Type Building
Area 14,188 SF
Use
Floors 1
Construction Type
Historical Category None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	UNITED STATES OF AMERICA
Year Constructed	1975	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	x
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
MinnState Latitude:	N 47-56-51.4	**MinnState Longitude**:	W 097-01-01.6
General Fund %:	100	**MinnState Appraisal Value (2019)**:	4436000
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	1- Due within 1 Year of Inspection	Apr 5, 2022	173,468
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2029	95,046
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	1- Due within 1 Year of Inspection	May 18, 2022	95,046
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	2- Due within 2 Years of Inspection	May 18, 2024	103,040
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	May 18, 2022	183,183

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
e.1. HVAC - Distribution Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2029	491,494
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2026	310,798
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2027	79,506
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2029	231,291
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2025	79,506
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2027	72,279
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	May 18, 2027	137,329
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	May 18, 2022	143,085
Total						**2,195,071**

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities
Facilities and Infrastructure: Allied Health Addition/2009
Facilities and Infrastructure Number: E26265T0909

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	265,667	**RI:**	0.07
Total Requirements Cost:	265,667		
Current Replacement Value:	3,685,409	**Date of most Recent Assessment:**	May 19, 2022

Type	Building		
Area	8,412 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	UNITED STATES OF AMERICA
Year Constructed	2009	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	x
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
General Fund %:	100	**MinnState Appraisal Value (2019)**:	3281636
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	May 19, 2029	81,422
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	May 19, 2029	42,854
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	2- Due within 2 Years of Inspection	May 19, 2024	141,391
Total						**265,667**

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities
Facilities and Infrastructure: Beier Addition/1984
Facilities and Infrastructure Number: E26265T0484

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	423,166	**RI:**	0.08
Total Requirements Cost:	423,166		
Current Replacement Value:	5,562,818	**Date of most Recent Assessment:**	May 25, 2022

Type Building
Area 12,399 SF
Use
Floors 1
Construction Type
Historical Category None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	-
Year Constructed	1984	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	x
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
General Fund %:	100	**MinnState Appraisal Value (2019)**:	4953356
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	151,595
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	63,165
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2032	208,406
Total						**423,166**

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities

Facilities and Infrastructure: Classrooms & Offices/1995
Facilities and Infrastructure Number: E26265T0795

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	94,457	**FCI:**	0.07
RI Cost:	199,575	**RI:**	0.14
Total Requirements Cost:	199,574		
Current Replacement Value:	1,414,299	**Date of most Recent Assessment:**	May 25, 2022

Type	Building		
Area	3,080 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	-
Year Constructed	1995	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	x
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
General Fund %:	100	**MinnState Appraisal Value (2019)**:	1259348
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2025	37,657
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	94,457
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	15,691
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2025	51,769
Total						**199,574**

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities

Facilities and Infrastructure: Garage/Cold Storage/1986
Facilities and Infrastructure Number: E26265T0586

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	73,359	**FCI:**	0.08
RI Cost:	97,811	**RI:**	0.10
Total Requirements Cost:	97,812		
Current Replacement Value:	978,113	**Date of most Recent Assessment:**	May 25, 2022

Type Building
Area 6,000 SF
Use
Floors 1
Construction Type
Historical Category None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	-
Year Constructed	1986	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply**:	No
Basement:	No	**Elevator Penthouse**:	No
Model Type:	SIMPLE	**Mothball %**:	0
Off Campus (Owned):	No	**General Fund %**:	100
MinnState Appraisal Value (2019):	870951	**MinnState Contents Value (2019)**:	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	73,359
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2032	24,453
Total						**97,812**

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities
Facilities and Infrastructure: Health Addition/1993
Facilities and Infrastructure Number: E26265T0693

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	1,103,317	**FCI:**	0.07
RI Cost:	3,147,631	**RI:**	0.21
Total Requirements Cost:	3,147,630		
Current Replacement Value:	15,352,823	**Date of most Recent Assessment:**	May 25, 2022

Type Building
Area 34,220 SF
Use
Floors 1
Construction Type
Historical Category None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	UNITED STATES OF AMERICA
Year Constructed	1993	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	x
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
MinnState Latitude:	N 47-56-47.3	**MinnState Longitude**:	W 097-01-06.0
General Fund %:	100	**MinnState Appraisal Value (2019)**:	10528000
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2023	418,388
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2028	165,054
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	385,126
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	191,224
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	153,946

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	345,170
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	749,612
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2023	191,761
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	76,704
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	174,328
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	66,245
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	230,072
Total						**3,147,630**

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities
Facilities and Infrastructure: Main Bldg
Facilities and Infrastructure Number: E26265T0174

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	3,181,728	**FCI:**	0.10
RI Cost:	8,772,502	**RI:**	0.26
Total Requirements Cost:	8,772,502		
Current Replacement Value:	33,367,147	**Date of most Recent Assessment:**	May 25, 2022

Type	Building		
Area	76,161 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	UNITED STATES OF AMERICA
Year Constructed	1974	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	265T0275, 265T0909, 265T0484, 265T0693, 265T0376, 265T0795
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
MinnState Latitude:	N 47-56-48.0	**MinnState Longitude**:	W 097-01-04.3
General Fund %:	100	**MinnState Appraisal Value (2019)**:	26218000
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	931,176
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	768,220
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	445,568
e.1. HVAC - Distribution Renewal	Yes	D3040 - Distribution Systems	Lifecycle	2- Due within 2 Years of	May 25, 2024	2,638,333

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	439,329
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	213,395
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	1,241,568
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	426,789
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	387,990
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2031	256,027
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	384,040
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	256,027
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	384,040
Total						**8,772,502**

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities

Facilities and Infrastructure: Small carpentry garage
Facilities and Infrastructure Number: E26265T0884

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	0	**RI:**	0.00
Total Requirements Cost:			
Current Replacement Value:	93,899	**Date of most Recent Assessment:**	May 25, 2022

Type	Building		
Area	576 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	-
Year Constructed	1984	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply**:	No
Basement:	No	**Elevator Penthouse**:	No
Model Type:	SIMPLE	**Mothball %**:	0
Off Campus (Owned):	No	**General Fund %**:	100
MinnState Appraisal Value (2019):	83611	**MinnState Contents Value (2019)**:	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

No data available.

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - East Grand Forks - Facilities

Facilities and Infrastructure: TD/Carp. Addition/1976
Facilities and Infrastructure Number: E26265T0376

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	658,944	**FCI:**	0.09
RI Cost:	2,882,703	**RI:**	0.40
Total Requirements Cost:	2,882,706		
Current Replacement Value:	7,271,728	**Date of most Recent Assessment:**	May 25, 2022

Type	Building		
Area	16,208 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	2022 Central Avenue NE	**City**	East Grand Forks
Address 2	-	**State/Province/Region**	UNITED STATES OF AMERICA
Year Constructed	1976	**Zip/Postal Code**	56721
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition**:	x
B3 Guidelines Apply:	No	**Basement**:	No
Elevator Penthouse:	No	**Model Type**:	BASIC
Mothball %:	0	**Off Campus (Owned)**:	No
MinnState Latitude:	N 47-56-45.6	**MinnState Longitude**:	W 097-00-58.6
General Fund %:	100	**MinnState Appraisal Value (2019)**:	3780000
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Building #800

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
a.3. Roofing - Metal Renewal	Yes	B30 - Roofing	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	560,828
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	198,166
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	217,157
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2025	163,487
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of	May 25, 2022	73,569

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
e.1. HVAC - Distribution Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2026	561,470
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	177,524
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2027	63,578
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2026	264,221
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	90,826
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	82,569
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	78,441
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	May 25, 2032	78,441
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	2- Due within 2 Years of Inspection	May 25, 2024	54,486
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	May 25, 2022	217,943
Total						**2,882,706**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Aviation Class.
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355T0690

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	2,059,702	**FCI:**	0.17
RI Cost:	4,597,524	**RI:**	0.38
Total Requirements Cost:	4,597,526		
Current Replacement Value:	12,246,366	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	27,296 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	AIRPORT DRIVE	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1990	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-03-59.8
MinnState Longitude:	W 096-10-41.7	**General Fund %:**	100
MinnState Appraisal Value (2019):	8575000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
a.5. Roofing - Builit-up, Membrane, Cedar Renewal	Yes	B30 - Roofing	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	344,946
a.5. Roofing - Builit-up, Membrane, Cedar Renewal	Yes	B30 - Roofing	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	1,379,783
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	100,120
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	731,430
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	275,329
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of	Jun 1, 2026	597,937

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	152,961
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	152,961
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	139,055
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	264,205
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	105,524
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	59,644
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	293,631
Total						**4,597,526**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Aviation Hanger
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355T0792

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	1,974,566	**FCI:**	0.13
RI Cost:	5,179,554	**RI:**	0.34
Total Requirements Cost:	5,179,554		
Current Replacement Value:	15,333,966	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	35,000 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	AIRPORT DRIVE	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1992	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition:**	355t0370, 355t0817
B3 Guidelines Apply:	No	**Basement:**	No
Elevator Penthouse:	No	**Model Type:**	BASIC
Mothball %:	0	**Off Campus (Owned):**	No
MinnState Latitude:	N 48-04-01.5	**MinnState Longitude:**	W 096-10-48.1
General Fund %:	100	**MinnState Appraisal Value (2019):**	5474000
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
a.5. Roofing - Built-up, Membrane, Cedar Renewal	Yes	B30 - Roofing	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	1,974,566
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2032	427,925
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	570,566
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	905,000
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	196,132

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	178,302
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	338,774
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2032	588,289
Total						**5,179,554**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** UAS add
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355t0817

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	0	**RI:**	0.00
Total Requirements Cost:		**Asset Condition Rating:**	Good
Current Replacement Value:	8,219,006	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	18,760 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	AIRPORT DRIVE	**City**	THEIR RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	2017	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition:**	x
B3 Guidelines Apply:	Yes	**Basement:**	No
Elevator Penthouse:	No	**Model Type:**	BASIC
Mothball %:	0	**Off Campus (Owned):**	No
MinnState Latitude:	N 48-04-02.2	**MinnState Longitude:**	W 096-10-43.2
General Fund %:	100	**MinnState Appraisal Value (2019):**	5140000
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

No data available.

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** hanger add
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355t0370

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	79,066	**FCI:**	0.04
RI Cost:	277,965	**RI:**	0.13
Total Requirements Cost:	277,965	**Asset Condition Rating:**	Fair
Current Replacement Value:	2,060,885	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	4,704 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1960	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**Addition:**	x
B3 Guidelines Apply:	No	**Basement:**	No
Elevator Penthouse:	No	**Model Type:**	BASIC
Mothball %:	0	**Off Campus (Owned):**	No
General Fund %:	100	**MinnState Appraisal Value (2019):**	1835094
MinnState Contents Value (2019):	0		

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	45,531
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	103,044
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	26,360
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	23,964
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	79,066
Total						**277,965**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Activities
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C1971

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	1,413,397	**FCI:**	0.07
RI Cost:	6,433,587	**RI:**	0.33
Total Requirements Cost:	6,433,586		
Current Replacement Value:	19,304,537	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	43,028 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1971	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-32.7
MinnState Longitude:	W 096-09-48.9	**General Fund %:**	100
MinnState Appraisal Value (2019):	12596000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	526,078
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	1,152,988
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	260,409
e.1. HVAC - Distribution Renewal	Yes	D3040 - Distribution Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	1,490,555
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	942,557
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	2- Due within 2 Years of	Jun 1, 2024	241,119

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	182,374
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	2- Due within 2 Years of Inspection	Jun 1, 2024	519,064
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	241,119
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	2- Due within 2 Years of Inspection	Jun 1, 2024	154,097
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	723,226
Total						**6,433,586**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Caf/Shops/700 Area
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355T0478

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	29,730	**FCI:**	0.00
RI Cost:	477,588	**RI:**	0.06
Total Requirements Cost:	477,588		
Current Replacement Value:	7,927,935	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	48,632 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1978	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	SIMPLE	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-26.9
MinnState Longitude:	W 096-09-42.6	**General Fund %:**	100
MinnState Appraisal Value (2019):	11123000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	198,198
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2023	49,550
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2029	113,964
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2023	74,324
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	11,822
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of	Jun 1, 2022	29,730

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
Total						**477,588**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - Thief River Falls - Facilities

Facilities and Infrastructure: Development Learning Center
Facilities and Infrastructure Number: E26356C1401

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	1,030,055	**RI:**	0.22
Total Requirements Cost:	1,030,055		
Current Replacement Value:	4,637,797	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	10,100 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	2001	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	4129680	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2032	123,487
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	309,746
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2032	221,247
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2032	56,598
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2032	51,453
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	97,760

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
1.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	169,764
Total						**1,030,055**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Fine Arts
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C0471

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	1,631,599	**FCI:**	0.19
RI Cost:	2,876,599	**RI:**	0.34
Total Requirements Cost:	2,876,599	**Asset Condition Rating:**	Fair
Current Replacement Value:	8,434,631	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	18,800 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1971	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-28.4
MinnState Longitude:	W 096-09-45.7	**General Fund %:**	100
MinnState Appraisal Value (2019):	6300000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	229,857
d.1. HVAC - Equipment Renewal	Yes	D30 - HVAC	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	503,769
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	113,779
e.1. HVAC - Distribution Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	488,445
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	411,827
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	2- Due within 2 Years of	Jun 1, 2024	105,351

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
g.2. Plumbing Rough-In Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	2- Due within 2 Years of Inspection	Jun 1, 2024	306,476
i.1. Fire Protection Systems Renewal	Yes	D40 - Fire Protection	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	105,351
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	181,970
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	315,995
~d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	113,779
Total						**2,876,599**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - Thief River Falls - Facilities

Facilities and Infrastructure: Grounds shed (Thief River)
Facilities and Infrastructure Number: E26356C1896

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	30,364	**RI:**	0.04
Total Requirements Cost:	30,364	**Asset Condition Rating:**	Fair
Current Replacement Value:	782,491	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	4,800 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	2002	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	SIMPLE	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	696761	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	19,562
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	5,911
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	4,891
Total						**30,364**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Head Start (Thief River Falls)
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C0371

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	233,173	**RI:**	0.25
Total Requirements Cost:	233,173	**Asset Condition Rating:**	Fair
Current Replacement Value:	923,543	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	2,108 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1987	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	822359	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
a.5. Roofing - Built-up, Membrane, Cedar Renewal	Yes	B30 - Roofing	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2029	143,503
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	25,773
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	20,404
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	23,089
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	20,404
Total						**233,173**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Library and Classrooms
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C0269

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	1,151,030	**RI:**	0.16
Total Requirements Cost:	1,151,030	**Asset Condition Rating:**	Fair
Current Replacement Value:	7,096,748	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	15,455 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1969	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-32.8
MinnState Longitude:	W 096-09-49.6	**General Fund %:**	100
MinnState Appraisal Value (2019):	5358000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	188,959
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	2- Due within 2 Years of Inspection	Jun 1, 2024	473,973
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2029	78,733
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2029	149,593
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2029	259,772
Total						**1,151,030**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Main Bldg. (TR)
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355T0267

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	668,808	**FCI:**	0.03
RI Cost:	4,440,990	**RI:**	0.22
Total Requirements Cost:	4,440,992	**Asset Condition Rating:**	Fair
Current Replacement Value:	20,361,558	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	45,384 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1967	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-30.3
MinnState Longitude:	W 096-09-39.5	**General Fund %:**	100
MinnState Appraisal Value (2019):	13210000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	554,884
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	686,669
e.1. HVAC - Distribution Renewal	Yes	D3040 - Distribution Systems	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	235,826
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	938,800
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	143,056
g.2. Plumbing Rough-in Renewal	Yes	D2020 - Domestic Water Distribution	Lifecycle	3- Due within 5 Years of	Jun 1, 2030	739,845

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	231,202
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2022	289,927
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	149,356
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	434,811
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	1- Due within 1 Year of Inspection	Jun 1, 2023	36,616
Total						**4,440,992**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Science (Thief River)
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C0169

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	1,599,247	**RI:**	0.23
Total Requirements Cost:	1,599,248	**Asset Condition Rating:**	Fair
Current Replacement Value:	7,028,137	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	10,969 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	1969	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	COMPLEX	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-30.2
MinnState Longitude:	W 096-09-52.6	**General Fund %:**	100
MinnState Appraisal Value (2019):	3191000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	134,112
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	2- Due within 2 Years of Inspection	Jun 1, 2024	442,568
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	2- Due within 2 Years of Inspection	Jun 1, 2024	55,880
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2029	782,318
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2025	184,370
Total						**1,599,248**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Student Commons
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C1300

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	1,392,978	**RI:**	0.19
Total Requirements Cost:	1,392,980	**Asset Condition Rating:**	Good
Current Replacement Value:	7,233,593	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	16,123 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	1101 HIGHWAY 1 EAST	**City**	THIEF RIVER FALLS
Address 2	-	**State/Province/Region**	-
Year Constructed	2000	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**MinnState Latitude:**	N 48-07-31.3
MinnState Longitude:	W 096-09-44.6	**General Fund %:**	100
MinnState Appraisal Value (2019):	4247000	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	197,127
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	325,259
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	353,185
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2031	90,350
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2026	156,059
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of	Jun 1, 2025	271,000

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
				Inspection		
Total						**1,392,980**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** work force center
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26355T2006

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	164,226	**RI:**	0.07
Total Requirements Cost:	164,226	**Asset Condition Rating:**	Good
Current Replacement Value:	2,278,189	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	5,200 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	2007	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	2028591	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	50,332
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	26,491
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	87,403
Total						**164,226**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** MEC Center
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C1299

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	964,684	**RI:**	0.20
Total Requirements Cost:	964,683	**Asset Condition Rating:**	Good
Current Replacement Value:	4,730,572	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	10,544 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None

Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1999	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	BASIC	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	4212290	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.1. Building Exteriors (Hard) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	128,915
d.2. HVAC - Controls Renewal	Yes	D3060 - Controls and Instrumentation	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	212,710
f.1. Electrical Equipment Renewal	Yes	D50 - Electrical	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	230,973
g.1. Plumbing Fixtures Renewal	Yes	D2010 - Plumbing Fixtures	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	59,086
j.1. Fire Detection Systems Renewal	Yes	D5037 - Fire Alarm Systems	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	53,715
k.1. Built-in Equipment Renewal	Yes	E - Equipment and Furnishings	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2028	102,058

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
l.2. Interior Finishes Renewal	Yes	C30 - Interior Finishes	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2030	177,226
Total						**964,683**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College
Campus: Northland Community and Technical College - Thief River Falls - Facilities

Facilities and Infrastructure: Storage Shed N.E. 1
Facilities and Infrastructure Number: E26356C1090

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	0	**RI:**	0.00
Total Requirements Cost:		**Asset Condition Rating:**	Fair
Current Replacement Value:	152,830	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	600 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1990	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	SMALL	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	136086	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

No data available.

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Storage Shed N.E. 2
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C0990

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	0	**RI:**	0.00
Total Requirements Cost:		**Asset Condition Rating:**	Fair
Current Replacement Value:	152,830	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	600 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1990	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	SMALL	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	136086	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

No data available.

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Storage Shed N.W. 1
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C0785

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	22,008	**RI:**	0.10
Total Requirements Cost:	22,008	**Asset Condition Rating:**	Fair
Current Replacement Value:	220,076	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	1,350 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1985	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	SIMPLE	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	195964	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
b.2. Building Exteriors (Soft) Renewal	Yes	B20 - Exterior Enclosure	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	22,008
Total						**22,008**

MINNESOTA STATE

Facilities and Infrastructure Detail Report

By Facilities and Infrastructure Name

Colleges or Universities: Northland Community and Technical College **Facilities and Infrastructure:** Storage Shed N.W. 2
Campus: Northland Community and Technical College - Thief River Falls - Facilities **Facilities and Infrastructure Number:** E26356C1196

Facilities and Infrastructure are ordered by Facilities and Infrastructure Name **Currency: USD**

Statistics

FCI Cost:	0	**FCI:**	0.00
RI Cost:	20,369	**RI:**	0.14
Total Requirements Cost:	20,369	**Asset Condition Rating:**	Fair
Current Replacement Value:	149,774	**Date of most Recent Assessment:**	Jun 2, 2022

Type	Building		
Area	588 SF		
Use		**Construction Type**	
Floors	1	**Historical Category**	None
Address 1	1101 Highway 1 E	**City**	Thief River Falls
Address 2	-	**State/Province/Region**	-
Year Constructed	1996	**Zip/Postal Code**	56701
Year Renovated	-	**Architect**	-
Ownership	Owned	**Commission Date**	-
		Decommission Date	-

Insured Value:	0	**B3 Guidelines Apply:**	No
Basement:	No	**Elevator Penthouse:**	No
Model Type:	SMALL	**Mothball %:**	0
Off Campus (Owned):	No	**General Fund %:**	100
MinnState Appraisal Value (2019):	133364	**MinnState Contents Value (2019):**	0

Photo

No photo available.

Facilities and Infrastructure Description

Requirements

Requirement Name	Renewal	Prime System	Category	Priority	Action Date	Estimated Cost
m.1. All Renewal - SMALL Renewal	Yes	F10 - Special Construction	Lifecycle	3- Due within 5 Years of Inspection	Jun 1, 2027	20,369
Total						**20,369**

PBEEEP

State Government

Public Buildings Enhanced Energy Efficiency Program

Investigation Report for
Northland Community & Technical College
Thief River Falls

Minnesota
STATE COLLEGES
& UNIVERSITIES

NORTHLAND
COMMUNITY
& TECHNICAL
COLLEGE

7/21/2012

Table of Contents

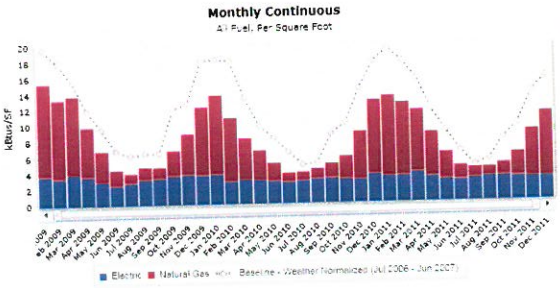
PBEEEP
State Government

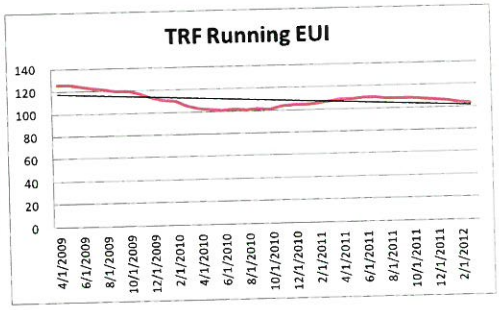
Investigation Results

Investigation Report

The goal of a PBEEEP Energy Investigation is to identify energy savings opportunities with a payback of fifteen years or less. Particular emphasis is on finding those opportunities that will generate savings with a relatively fast (1 to 5 years) and certain payback. During the investigation phase the provider conducts a rigorous analysis of the building operations. Through observation, targeted functional testing, and analysis of extensive trend and portable logger data, the RCx Provider identifies deficiencies in the operation of the mechanical equipment, lighting, envelope, and related controls. The investigation of Northland Community & Technical College Thief River Falls was performed by AMEC Earth and Environmental, Inc. This report is the result of that information.

Payback Information and Energy Savings				
Total Project costs (Without Co-funding)			**Project costs with Co-funding**	
Total costs to date including study	$77,936		Total Project Cost	$104,094
Future costs including Implementation , Measurement & Verification	$26,158		Study and Administrative Cost Paid with ARRA Funds	($80,936)
Total Project Cost	$104,094		Utility Rebates	($0)
			Total costs after co-funding	$23,158
Estimated Annual Total Savings ($)	$1,903		Estimated Annual Total Savings ($)	$1,903
Total Project Payback	54.7		Total Project Payback with co-funding	12.2
Electric Energy Savings	**1.3 %**	**and**	**Gas Energy Savings**	**0.0 %**





Year	Days	SF	Total kBtu	Normalized Baseline kBtu	Change from Baseline kBtu	% Change	Total Energy Cost $	Average Cost Rate $ /kBtu
2009	365	201,933	22,794,793	32,986,526	-10,191,732	-31%	$328,212.76	$0.01
2010	365	201,933	20,996,475	31,324,275	-10,327,800	-33%	$295,640.90	$0.01
2011	365	201,933	21,453,472	31,666,448	-10,212,976	-32%	$331,497.36	$0.02

The energy use at Northland College Thief River Falls was unchanged over the period of the investigation.

Summary Tables

Facility Name	Northland Community & Technical College Thief River Falls
Location	1101 Highway 1 East, Thief River Falls, MN 56701
Facility Manager	Clinton Castle, Director of Facilities
Number of Buildings Investigated	11
Interior Square Footage Investigated	206,958
PBEEEP Provider	AMEC Earth and Environmental, Inc.
Study Period	October 2011 through April 2012
Annual Energy Cost	$331,497 (2011)
Utility Company	Electric: Thief River Falls Municipal Utility Natural Gas: Minnesota Energy Resources
Site Energy Use Index (EUI)	104 kBtu/sq ft(2010, start of study) 103 kBtu/sq ft(2011/2, end of study)
Benchmark EUI (from B3)	130 kBtu/sq ft

Building Data as listed in B3

Building Name	State ID	Area (Square Feet)	Year Built
Activities	E26356C1971	23,700	1971
Administration-Library	E26356C0269	15,455	1969
Development Learning Center	E26356C1502	6,733	2001
Development Learning Center	E26356C1401	3,367	2001
Fine Arts	E26356C0471	18,800	1971
Main Building	E26355T0267	45,384	1967
Science	E26356C0169	10,696	1969
Shop/Café/Cosmo	E26355T0478	50,956	1978
Student Commons-Classrooms	E26356C1300	16,123	2000
Workforce Center	E26355T2006	5,200	2007
MEC Center	E26356C1299	10,544	1999

Mechanical Equipment Included in Investigation: Summary Table	
Total	**Equipment Description**
2	Building Automation Systems (TAC and Metasys)
11	Buildings
206,958	Interior Square Feet
22	Air Handlers (3 in MECC)
2	Rooftop Units
43	Digital VAV Boxes
~15	Pneumatic VAV Boxes
29	Exhaust Fans
16	Unit Heaters and Cabinet Unit Heaters
2	Make-up Air Units
1	Chiller
10	Hot Water Boilers (4 in MECC)
15	Pumps (HW, CHW, etc) (2 in MECC)
4	Heat Exchangers
1	Air Compressor
740	Approximate Number of Points Available for Trending
490	Points Required for Trending
90	Data Loggers Required (approximately 10 motor status and 80 temperature). Does NOT include any necessary lighting loggers.

Implementation Information			
Estimated Annual Total Savings ($)			$1,903
Total Estimated Implementation Cost ($)			$23,158
GHG Avoided in U.S Tons (CO2e)			28
Electric Energy Savings (kWh) (2011 Usage 1,524,677 kWh)	1.5 % Savings		33,153
Electric Demand Savings (kW) (2011 peak demand 750kW)			5
Gas Energy Savings (Therms) (2011 Usage was 94,180 Therms)	0 % Savings		0
Statistics			
Number of Measures identified			4
Number of Measures with payback < 3 years			0
Screening Start Date	01/20/2011	Screening End Date	02/08/2011
Investigation Start Date	8/19/2011	Investigation End Date	3/16/2012
Final Report	7/11/2012		07/27/2012

Northland Community College, Thief River Falls Cost Information			
Phase		**To date**	**Estimated Future Cost**
Screening		$3,325	
Investigation [Provider]		$69,025	
Investigation [CEE]		$5,586	$1,000
Implementation			$23,158
Implementation [CEE]			$1,000
Measurement & Verification			$1,000
Total		$77,936	$26,158

Co-funding Summary	
Study and Administrative Cost	$80,936
Utility Co-Funding - Estimated Total ($)	$0
Total Co-funding ($)	$80,936

Northland Community & Technical College Thief River Falls Overview

The energy investigation identified 0.5% of total energy savings at Northland Community & Technical College Thief River Falls with measures that payback in less than 15 years and do not adversely affect occupant comfort. The energy savings opportunities identified at Northland Community & Technical College Thief River Falls include upgrading lighting fixtures with more efficient or lower wattage bulbs and replacing three way valves with two way valves on the hot water distribution system. The total cost of implementing all the measures is $23,158.

Implementing all these measures can save the facility approximately $1,903 a year. During the period of the PBEEEP investigation energy use at Northland Community & Technical College Thief River Falls decreased approximately 18% compared to the year prior to the study. It is now 21% below the benchmark value according to the Minnesota Benchmarking and Beyond database (B3).

Northland Community and Technical College (NCTC) in Thief River Falls is comprised of two campus locations. The Main Campus is made up of nineteen buildings totaling 232,455 square feet. Ten of the buildings are attached and make up the Main Building and the remaining nine are smaller detached buildings. The Airport Campus is made up of five buildings, four of which are attached, and totals 89,252 square feet. The two campuses are at separate locations, approximately five miles apart. This investigation covered only the main campus.

Mechanical Equipment

There are a total of 22 air handlers and two rooftop units located throughout the Main Building. There are two boiler rooms that supply hot water to a loop that circulates hot water to the air handlers and reheats located throughout the building. The East and West Boiler rooms each have three hot water boilers. An air-cooled chiller provides chilled water to cooling coils in five of the air handlers. Eleven of the air handlers and both rooftop units have direct expansion (DX) cooling while the remaining six air handlers do not provide cooling. There are approximately 58 VAV boxes with hot water reheat, approximately 15 of which are pneumatically controlled and actuated, while the rest are digital.

The Multi-Event Cultural (MEC) Center has four small boilers and two pumps that produce and deliver hot water to three air handlers. The air handlers provide heating to the spaces, but no cooling. The equipment in the building is oversized because the building was meant to be expanded in phases, with the current structure being the first of three phases. The equipment was sized to handle the load of a much larger space, but there are no longer plans to expand the facility. Variable Frequency Drives (VFDs) were installed recently on the supply fan motors of all of the air handlers to help resolve this issue.

Controls and Trending

The Main Campus originally had a Johnson Controls Metasys Building Automation System (BAS) that controlled most of the equipment in the facility. Recently a new TAC Niagara front end was installed that communicates with the existing controllers and new controllers were installed. The Niagara system is

capable of trending, although is it not currently set up for trending and will require set up by a controls technician. The Metasys system is also capable of trending. Since some of the equipment is still controlled by the Metasys system, trending all of the equipment in the facility will require setting up trends on both systems. The trend data can be exported from both systems in a usable format for spreadsheet analysis. Approximately 65% of the equipment in the Main Building is controlled by both systems. The equipment that is neither controlled or monitored by either BAS are seven air handlers and approximately 15 Variable Air Volume (VAV) boxes that are pneumatically controlled and actuated. These items of equipment will require the use of data loggers to collect trend data. All of the equipment in the MEC Center is controlled by the TAC system. The points for each building in the automation system are listed in the following building summary tables.

Lighting

The majority of interior lighting on campus is 32 watt T8s. The MEC Center also has exterior scoreboard lighting and field lights.

Energy Use Index and B3 Benchmark

The site Energy Use Index (EUI) for the Main Campus is 103 kBtu/sqft, which is 21% lower than the B3 Benchmark of 130 kBtu/sqft. This includes the four storage sheds and the Criminal Justice Building, so these values are not for the Main Building alone. The site Energy Use Index (EUI) for the MEC Center is 68 kBtu/sqft, which is 39% lower than the B3 Benchmark of 111 kBtu/sqft. The median site EUI for State of Minnesota buildings are 23% lower than their corresponding B3 Benchmarks.

Metering

The Main Building has two electric and five natural gas meters, which also serves some of the small detached buildings on campus, so the Main Building is not individually metered. The MEC Center is individually metered and has one electric and one natural gas meter.

Investigation Results

Summary of Findings

Findings Summary

PBEEEP State Government

Building: Main Building
Site: Northland CTC TRF

Eco #	Investigation Finding	Total Cost	Savings	Payback	Co-Funding	Payback Co-Funding	GHG
3	32 Watt T8 Lighting.	$4,097	$519	7.90	$0	7.90	5
5	32 Watt T8 Lighting.	$1,512	$165	9.14	$0	9.14	1
2	Pump Speed doesn't vary sufficiently	$14,169	$998	14.20	$0	14.20	20
4	32 Watt T8 Lighting.	$3,381	$221	15.28	$0	15.28	2
	Total for Findings with Payback 3 years or less:	**$0**	**$0**	**0.00**	**$0**	**0.00**	**0**
	Total for all Findings:	**$23,158**	**$1,903**	**12.17**	**$0**	**12.17**	**28**

PBEEEP was made possible with funding from the U.S. Department of Energy and the MN Department of Commerce.

PBEEEP State Government

Rev. 2.0 (12/16/2010)

15201 - Northland CTC- TRF Main Building

This checklist is designed to be a resource and reference for Providers and PBEEEP.

Finding Category	Finding Type Number	Finding Type	Relevant Findings (if any)	Finding Location	Reason for no relevant finding	Notes
a. Equipment Scheduling and Enabling:	a.1 (1)	Time of Day enabling is excessive	X	AHU 3, 9		AHU 3 and 9 are constantly running.
	a.2 (2)	Equipment is enabled regardless of need, or such enabling is excessive			Investigation looked for, but did not find this issue.	
	a.3 (3)	Lighting is on more hours than necessary.			Investigation looked for, but did not find this issue.	
	a.4 (4)	OTHER_Equipment Scheduling/Enabling			Not Relevant	
b. Economizer/Outside Air Loads:	b.1 (5)	Economizer Operation – Inadequate Free Cooling (Damper failed in minimum or closed position, economizer setpoints not optimized)			Investigation looked for, but did not find this issue.	
	b.2 (6)	Over-Ventilation – Outside air damper failed in an open position. Minimum outside air fraction not set to design specifications or occupancy.			Investigation looked for, but did not find this issue.	
	b.3 (7)	OTHER_Economizer/OA Loads			Not Relevant	
c. Controls Problems:	c.1 (8)	Simultaneous Heating and Cooling is present and excessive			Investigation looked for, but did not find this issue.	
	c.2 (9)	Sensor/Thermostat needs calibration, relocation/shielding, and/or replacement			Investigation looked for, but did not find this issue.	
	c.3 (10)	Controls "hunt" and/or need Loop Tuning or separation of heating/cooling setpoints			Not Relevant	
	c.4 (11)	OTHER_Controls			Not Relevant	
d. Controls (Setpoint Changes):	d.1 (12)	Daylighting controls or occupancy sensors need optimization.			Investigation looked for, but did not find this issue.	
	d.2 (13)	Zone setpoint setup/setback are not implemented or are sub-optimal.			Investigation looked for, but did not find this issue.	
	d.3 (14)	Fan Speed Doesn't Vary Sufficiently			Investigation looked for, but did not find this issue.	
	d.4 (15)	Pump Speed Doesn't Vary Sufficiently	X	Hot Water Pumps		Replace existing three way valves with two way valves on AHUs 6, 7, 8, 14, 17, & 18
	d.5 (16)	VAV Box Minimum Flow Setpoint is higher than necessary			Investigation looked for, but did not find this issue.	
	d.6 (17)	Other_Controls (Setpoint Changes)			Not Relevant	
e. Controls (Reset Schedules):	e.1 (18)	HW Supply Temperature Reset is not implemented or is sub-optimal			Investigation looked for, but did not find this issue.	
	e.2 (19)	CHW Supply Temperature Reset is not implemented or is sub-optimal			Investigation looked for, but did not find this issue.	
	e.3 (20)	Supply Air Temperature Reset is not implemented or is sub-optimal	X	AHU 1, 3, 6, 10		Hot Deck and Cold Deck temps are sub-optimal.
	e.4 ( )	Supply Duct Static Pressure Reset is not implemented or is sub-optimal			Investigation looked for, but did not find this issue.	
	e.5 (21)	Condenser Water Temperature Reset is not implemented or is sub-optimal			Not Relevant	
	e.6 (22)	Other_Controls (Reset Schedules)			Not Relevant	
f. Equipment Efficiency Improvements / Load Reduction:	f.1 (23)	Daylighting Control needs optimization—Spaces are Over-Lit			Investigation looked for, but did not find this issue.	
	f.2 (24)	Pump Discharge Throttled	X	Chilled Water Pumps		Valves have been manually closed due to the lack of variable flow on the pumps.
	f.3 (25)	Over-Pumping	X	Chilled Water Pumps		Valves have been manually closed due to the lack of variable flow on the pumps.
	f.4 (26)	Equipment is oversized for load.	X	AHU 6		Hot water valves are 50% manually closed on the inlet and outlet sides.
	f.5 (27)	OTHER_Equipment Efficiency/Load Reduction			Not Relevant	
	g.1 (28)	VFD Retrofit - Fans			Investigation looked for, but did not find this issue.	

PBEEEP State Government

Rev. 2.0 (12/16/2010)

15201 - Northland CTC- TRF Main Building

This checklist is designed to be a resource and reference for Providers and PBEEEP.

Finding Category	Finding Type Number	Finding Type	Relevant Findings (if any)	Finding Location	Reason for no relevant finding	Notes
g. Variable Frequency Drives (VFD):	g.2 (29)	VFD Retrofit - Pumps	X	Chilled Water Pumps		Install VFDs on chilled water pumps and install 2 way valves at AHUs. 2 15 hp CHW Pumps
	g.3 (30)	VFD Retrofit - Motors (process)			Investigation looked for, but did not find this issue.	
	g.4 (31)	OTHER_VFD			Not Relevant	
h. Retrofits:	h.1 (32)	Retrofit - Motors			Investigation looked for, but did not find this issue.	
	h.2 (33)	Retrofit - Chillers			Investigation looked for, but did not find this issue.	
	h.3 (34)	Retrofit - Air Conditioners (Air Handling Units, Packaged Unitary Equipment)			Investigation looked for, but did not find this issue.	
	h.4 (35)	Retrofit - Boilers			Investigation looked for, but did not find this issue.	
	h.5 (36)	Retrofit - Packaged Gas fired heating			Not Relevant	
	h.6 (37)	Retrofit - Heat Pumps			Not Relevant	
	h.7 (38)	Retrofit - Equipment (custom)			Not Relevant	
	h.8 (39)	Retrofit - Pumping distribution method			Investigation looked for, but did not find this issue.	
	h.9 (40)	Retrofit - Energy/Heat Recovery			Not cost-effective to investigate	
	h.10 (41)	Retrofit - System (custom)			Not Relevant	
	h.11 (42)	Retrofit - Efficient Lighting	X	Hallways		Install 28 watt fluorescent lamps in the hallways.
	h.12 (43)	Retrofit - Building Envelope			Not Relevant	
	h.13 (44)	Retrofit - Alternative Energy			Not cost-effective to investigate	
	h.14 (45)	OTHER_Retrofit			Not Relevant	
i. Maintenance Related Problems:	i.1 (46)	Differed Maintenance from Recommended/Standard			Not Relevant	
	i.2 (47)	Impurity/Contamination			Not Relevant	
	i.3 ( )	Leaky/Stuck Damper			Not Relevant	
	i.4 ( )	Leaky/Stuck Valve			Not Relevant	
	i.5 (48)	OTHER_Maintenance			Not Relevant	
j. OTHER	j.1 (49)	OTHER			Not Relevant	

Findings Glossary: Findings Examples

a.1 (1)	**Time of Day enabling is excessive**
	• HVAC running when building is unoccupied. Equipment schedule doesn't follow building occupancy • Optimum start-stop is not implemented • Controls in hand
a.2 (2)	**Equipment is enabled regardless of need, or such enabling is excessive**
	• Fan runs at 2" static pressure. Lowering pressure to 1.8" does not create comfort problem and the flow is per design. • Supply air temperature and pressure reset: cooling and heating
a.3 (3)	**Lighting is on more hours than necessary**
	• Lighting is on at night when the building is unoccupied • Photocells could be used to control exterior lighting • Lighting controls not calibrated/adjusted properly
a.4 (4)	**OTHER Equipment Scheduling and Enabling**
	• Please contact PBEEEP Project Engineer for approval
b.1 (5)	**Economizer Operation – Inadequate Free Cooling**
	• Economizer is locked out whenever mechanical cooling is enabled (non-integrated economizer) • Economizer linkage is broken • Economizer setpoints could be optimized • Plywood used as the outdoor air control • Damper failed in minimum or closed position
b.2 (6)	**Over-Ventilation**
	• Demand-based ventilation control has been disabled • Outside air damper failed in an open position • Minimum outside air fraction not set to design specifications or occupancy
b.3 (7)	**OTHER Economizer/Outside Air Loads**
	• Please contact PBEEEP Project Engineer for approval
c.1 (8)	**Simultaneous Heating and Cooling is present and excessive**
	• For a given zone, CHW and HW systems are unnecessarily on and running simultaneously • Different setpoints are used for two systems serving a common zone
c.2 (9)	**Sensor / Thermostat needs calibration, relocation / shielding, and/or replacement**
	• OAT temperature is reading 5 degrees high, resulting in loss of useful economizer operation • Zone sensors need to be relocated after tenant improvements • OAT sensor reads high in sunlight
c.3 (10)	**Controls "hunt" / need Loop Tuning or separation of heating/cooling setpoints**
	• CHW valve cycles open and closed • System needs loop tuning – it is cycling between heating and cooling
c.4 (11)	**OTHER Controls**
	• Please contact PBEEEP Project Engineer for approval
d.1 (12)	**Daylighting controls or occupancy sensors need optimization**
	• Existing controls are not functioning or overridden • Light sensors improperly placed or out of calibration
d.2 (13)	**Zone setpoint setup / setback are not implemented or are sub-optimal**
	• The cooling setpoint is 74 ºF 24 hours per day
d.3 (14)	**Fan Speed Doesn't Vary Sufficiently**
	• Fan runs at 2" static pressure. Lowering pressure to 1.8" does not create comfort problem and the flow is per design. • Supply air temperature and pressure reset: cooling and heating

d.4 (15)	**Pump Speed Doesn't Vary Sufficiently**
	• Pump runs at 15 PSI on peak day. Lowering pressure to 12 does not create comfort problem and the flow is per design. Low ΔT across the chiller during low load conditions.
d.5 (16)	**VAV Box Minimum Flow Setpoint is higher than necessary**
	• Boxes universally set at 40%, regardless of occupancy. Most boxes can have setpoints lowered and still meet minimum airflow requirements.
d.6 (17)	**Other Controls (Setpoint Changes)**
	• Please contact PBEEEP Project Engineer for approval
e.1 (18)	**HW Supply Temperature Reset is not implemented or is sub-optimal**
	• HW supply temperature is a constant 180 ºF. It should be reset based on demand, or decreased by a reset schedule as OAT increases. • DHW Setpoints are constant 24 hours per day
e.2 (19)	**CHW Supply Temperature Reset is not implemented or is sub-optimal**
	• CHW supply temperature is a constant 42 ºF. It could be reset, based on demand or ambient temperature.
e.3 (20)	**Supply Air Temperature Reset is not implemented or is sub-optimal**
	• The SAT is constant at 55 ºF. It could be reset to minimize reheat and maximize economizer cooling. The reset should ideally be based on demand (e.g., looking at zone box damper positions), but could also be reset based on OAT.
e.4 ( )	**Supply Duct Static Pressure Reset is not implemented or is suboptimal**
	• The Duct Static Pressure (DSP) is constant at 1.5" wc. It could be reset to minimize fan energy. The reset should ideally be based on demand (e.g. looking at zone box damper positions), but could also be reset based on OAT.
e.5 (21)	**Condenser Water Temperature Reset is not implemented or is sub-optimal**
	• CW temperature is constant leaving the tower at 85 ºF. The temperature should be reduced to minimize the total energy use of the chiller and tower. It may be worthwhile to reset based on load and ambient conditions.
e.6 (22)	**Other Controls (Reset Schedules)**
	• Please contact PBEEEP Project Engineer for approval
f.1 (23)	**Lighting system needs optimization - Spaces are overlit**
	• Lighting exceeds ASHRAE or IES standard levels for specific space types or tasks
f.2 (24)	**Pump Discharge Throttled**
	• The discharge valve for the CHW pump is 30% open. The valve should be opened and the impeller size reduced to provide the proper flow without throttling.
f.3 (25)	**Over-Pumping**
	• Only one CHW pump runs when one chiller is running. However, due to the reduced pressure drop in the common piping, the pump is providing much greater flow than needed.
f.4 (26)	**Equipment is oversized for load**
	• The equipment cycles unnecessarily • The peak load is much less than the installed equipment capacity

f.5 (27)	**OTHER Equipment Efficiency/Load Reduction**
	• Please contact PBEEEP Project Engineer for approval
g.1 (28)	**VFD Retrofit Fans**
	• Fan serves variable flow system, but does not have a VFD. • VFD is in override mode, and was found to be not modulating.
g.2 (29)	**VFD Retrofit - Pumps**
	• 3-way valves are used to maintain constant flow during low load periods. • Only one CHW pumps runs when one chiller is running. However, due to the reduced pressure drop in the common piping, the pump is providing much greater flow than needed.
g.3 (30)	**VFD Retrofit - Motors (process)**
	• Motor is constant speed and uses a variable pitch sheave to obtain speed control.
g.4 (31)	**OTHER VFD**
	• Please contact PBEEEP Project Engineer for approval
h.1 (32)	**Retrofit - Motors**
	• Efficiency of installed motor is much lower than efficiency of currently available motors
h.2 (33)	**Retrofit - Chillers**
	• Efficiency of installed chiller is much lower than efficiency of currently available chillers
h.3 (34)	**Retrofit - Air Conditioners (Air Handling Units, Packaged Unitary Equipment)**
	• Efficiency of installed air conditioner is much lower than efficiency of currently available air conditioners
h.4 (35)	**Retrofit - Boilers**
	• Efficiency of installed boiler is much lower than efficiency of currently available boilers
h.5 (36)	**Retrofit - Packaged Gas-fired heating**
	• Efficiency of installed heaters is much lower than efficiency of currently available heaters
h.6 (37)	**Retrofit - Heat Pumps**
	• Efficiency of installed heat pump is much lower than efficiency of currently available heat pumps
h.7 (38)	**Retrofit - Equipment (custom)**
	• Efficiency of installed equipment is much lower than efficiency of currently available equipment
h.8 (39)	**Retrofit - Pumping distribution method**
	• Current pumping distribution system is inefficient, and could be optimized. • Pump distribution loop can be converted from primary to primary-secondary)
h.9 (40)	**Retrofit - Energy / Heat Recovery**
	• Energy is not recouped from the exhaust air. • Identification of equipment with higher effectiveness than the current equipment.
h.10 (41)	**Retrofit - System (custom)**
	• Efficiency of installed system is much lower than efficiency of another type of system
h.11 (42)	**Retrofit - Efficient lighting**
	• Efficiency of installed lamps, ballasts or fixtures are much lower than efficiency of currently available lamps, ballasts or fixtures.

h.12 (43)	**Retrofit - Building Envelope**
	• Insulation is missing or insufficient • Window glazing is inadequate • Too much air leakage into / out of the building • Mechanical systems operate during unoccupied periods in extreme weather
h.13 (44)	**Retrofit - Alternative Energy**
	• Alternative energy strategies, such as passive/active solar, wind, ground sheltered construction or other alternative, can be incorporated into the building design
h.14 (45)	**OTHER Retrofit**
	• Please contact PBEEEP Project Engineer for approval
i.1 (46)	**Differed Maintenance from Recommended/Standard**
	• Differed maintenance that results in sub-optimal energy performance. • Examples: Scale buildup on heat exchanger, broken linkages to control actuator missing equipment components, etc.
i.2 (47)	**Impurity/Contamination**
	• Impurities or contamination of operating fluids that result in sub-optimal performance. Examples include lack of chemical treatment to hot/cold water systems that result in elevated levels of TDS which affect energy efficiency.
i.3 ( )	**Leaky/Stuck Damper**
	• The outside or return air damper on an AHU is leaking or is not modulating causing the energy use go up because of additional load to the central heating and/or cooling plant.
i.4 ( )	**Leaky/Stuck Valve**
	• The heating or cooling coil valve on an AHU is leaking or is not modulating causing the energy use go up because of additional load to the central heating and/or cooling plant.
i.5 (48)	**OTHER Maintenance**
	• Please contact PBEEEP Project Engineer for approval
j.1 (49)	**OTHER**
	• Please contact PBEEEP Project Engineer for approval

Investigation Results

Findings Details

Findings Details

PBEEEP State Government

Building: Main Building

FWB Number:	15201	Eco Number:	2
Site:	Northland CTC TRF	Date/Time Created:	7/10/2012

Investigation Finding:	Pump Speed doesn't vary sufficiently	Date Identified:	1/4/2012
Description of Finding:	The secondary hot water pumps do not vary enough for the variable flow system.		
Equipment or System(s):	Pump, HW distribution	Finding Category:	Controls (Setpoint Changes)
Finding Type:	Pump Speed Doesn't Vary Sufficiently		

Implementer:	Lighting contractor	Benefits:	Energy savings
Baseline Documentation Method:	Observe pump speeds during baseline operation. Trended the valve position of the three way valves on the air handling units, the outside air temperature and the pump speeds.		
Measure:	Replace existing three way hot water valves on AHUs 6, 7, 8, 14, 17 and 18 with two way valves.		
Recommendation for Implementation:	Replace the 3W HW valves on six air handling units with 2W valves. There will be a bypass out in the piping system to assure there is enough water flowing through the system at all times. A balancer will have to balance the hot water system and determine a differential pressure setpoint which is adequate to deliver the design amount of hot water if all the coils were 100% open. Ideally the pump would run at 100% when all HW valves are open and run at minimum speed when all valves are closed and water is only be distributed through the bypass.		
Evidence of Implementation Method:	The hot water valve position on all the AHUs associated with the pump will be trended as well as HWP1 speed, HWP2 speed, Differential pressure, and Differential pressure setpoint. The system will be trended for a two week period when it is colder outside (0 F) to show when many valves within the system are open the pump is running at or near maximum speed. The same points will be trended when it is warmer outside (above 40 F) for a two week period to show when many of the HW valves are closed the system is running at a minimum speed.		

Annual Electric Savings (kWh):	23,204	Contractor Cost ($):	$12,880
Estimated Annual kWh Savings ($):	$998	PBEEEP Provider Cost for Implementation Assistance ($):	$1,288
		Total Estimated Implementation Cost ($):	$14,169

Estimated Annual Total Savings ($):	$998	Utility Co-Funding for kWh ($):	$0
Initial Simple Payback (years):	14.20	Utility Co-Funding for kW ($):	$0
Simple Payback w/ Utility Co-Funding (years):	14.20	Utility Co-Funding for therms ($):	$0
GHG Avoided in U.S. Tons (C02e):	20	Utility Co-Funding - Estimated Total ($):	$0

Current Project as Percentage of Total project			
Percent Savings (Costs basis)	52.4%	Percent of Implementation Costs:	61.2%

Findings Details

PBEEEP State Government

Building: Main Building

FWB Number:	15201	Eco Number:	3
Site:	Northland CTC TRF	Date/Time Created:	7/10/2012

Investigation Finding:	32 Watt T8 Lighting.	Date Identified:	2/16/2012
Description of Finding:	32 Watt T8 Lamps were found throughout the hallways.		
Equipment or System(s):	Interior Lighting	Finding Category:	Retrofits
Finding Type:	Retrofit - Efficient Lighting		

Implementer:	Lighting contractor	Benefits:	Energy savings and load reduction
Baseline Documentation Method:	Visual inspection of the lamps concluded 32 watt T8 lamps are being installed.		
Measure:	Replace 32 watt lamps with 28 watt lamps.		
Recommendation for Implementation:	Replace the 32 watt T8 lamps with 28 watt T8 lamps throughout the hallways.		
Evidence of Implementation Method:	Visually inspect the lamps to ensure 28 watt T8 lamps are being installed.		

Annual Electric Savings (kWh):	5,612	Peak Demand Savings (kWh):	2
Estimated Annual kWh Savings ($):	$241	Estimated Annual Demand Savings ($):	$278
Contractor Cost ($):	$3,725		
PBEEEP Provider Cost for Implementation Assistance ($):	$372		
Total Estimated Implementation Cost ($):	$4,097		

Estimated Annual Total Savings ($):	$519	Utility Co-Funding for kWh ($):	$0
Initial Simple Payback (years):	7.90	Utility Co-Funding for kW ($):	$0
Simple Payback w/ Utility Co-Funding (years):	7.90	Utility Co-Funding for therms ($):	$0
GHG Avoided in U.S. Tons (C02e):	5	Utility Co-Funding - Estimated Total ($):	$0

Current Project as Percentage of Total project			
Percent Savings (Costs basis)	27.3%	Percent of Implementation Costs:	17.7%

Findings Details

PBEEEP State Government

Building: Main Building

FWB Number:	15201	Eco Number:	4
Site:	Northland CTC TRF	Date/Time Created:	7/10/2012

Investigation Finding:	32 Watt T8 Lighting.	Date Identified:	2/16/2012
Description of Finding:	32 Watt T8 Lamps were found throughout the Library.		
Equipment or System(s):	Interior Lighting	Finding Category:	Retrofits
Finding Type:	Retrofit - Efficient Lighting		

Implementer:	Lighting contractor	Benefits:	Energy savings and load reduction
Baseline Documentation Method:	Visual inspection of the lamps concluded 32 watt T8 lamps are being installed.		
Measure:	Replace 32 watt lamps with 28 watt lamps.		
Recommendation for Implementation:	Replace the 32 watt T8 lamps with 28 watt T8 lamps throughout the Library.		
Evidence of Implementation Method:	Visually inspect the lamps to ensure 28 watt T8 lamps are being installed.		

Annual Electric Savings (kWh):	2,818	Peak Demand Savings (kWh):	2
Estimated Annual kWh Savings ($):	$121	Estimated Annual Demand Savings ($):	$100
Contractor Cost ($):	$3,074		
PBEEEP Provider Cost for Implementation Assistance ($):	$307		
Total Estimated Implementation Cost ($):	$3,381		

Estimated Annual Total Savings ($):	$221	Utility Co-Funding for kWh ($):	$0
Initial Simple Payback (years):	15.28	Utility Co-Funding for kW ($):	$0
Simple Payback w/ Utility Co-Funding (years):	15.28	Utility Co-Funding for therms ($):	$0
GHG Avoided in U.S. Tons (C02e):	2	Utility Co-Funding - Estimated Total ($):	$0

Current Project as Percentage of Total project			
Percent Savings (Costs basis)	11.6%	Percent of Implementation Costs:	14.6%

Findings Details

PBEEEP State Government

Building: Main Building

FWB Number:	15201	Eco Number:	5
Site:	Northland CTC TRF	Date/Time Created:	7/10/2012

Investigation Finding:	32 Watt T8 Lighting.	Date Identified:	2/16/2012
Description of Finding:	32 Watt T8 Lamps were found throughout the Bookstore.		
Equipment or System(s):	Interior Lighting	Finding Category:	Retrofits
Finding Type:	Retrofit - Efficient Lighting		

Implementer:	Lighting contractor	Benefits:	Energy savings and load reduction
Baseline Documentation Method:	Visual inspection of the lamps concluded 32 watt T8 lamps are being installed.		
Measure:	Replace 32 watt lamps with 28 watt lamps.		
Recommendation for Implementation:	Replace the 32 watt T8 lamps with 28 watt T8 lamps throughout the Bookstore.		
Evidence of Implementation Method:	Visually inspect the lamps to ensure 28 watt T8 lamps are being installed.		

Annual Electric Savings (kWh):	1,519	Peak Demand Savings (kWh):	1
Estimated Annual kWh Savings ($):	$65	Estimated Annual Demand Savings ($):	$100
Contractor Cost ($):	$1,374		
PBEEEP Provider Cost for Implementation Assistance ($):	$137		
Total Estimated Implementation Cost ($):	$1,512		

Estimated Annual Total Savings ($):	$165	Utility Co-Funding for kWh ($):	$0
Initial Simple Payback (years):	9.14	Utility Co-Funding for kW ($):	$0
Simple Payback w/ Utility Co-Funding (years):	9.14	Utility Co-Funding for therms ($):	$0
GHG Avoided in U.S. Tons (C02e):	1	Utility Co-Funding - Estimated Total ($):	$0

Current Project as Percentage of Total project			
Percent Savings (Costs basis)	8.7%	Percent of Implementation Costs:	6.5%

Deleted Findings Report

FWB Number:	15201	Eco #:	1	Building:	Main Building
Investigation Finding:	Constant Volume Pumping - CHW Pumps		Equipment or System(s):	Pump, primary CHW (evap-only)	
Measure:	Install variable frequency drive on the chilled water pump. Replace the existing three way chilled water valves on AHUs 1, 2, 3 and 4. Cost of $13,656 with a savings of 12,677 kWh/yr for a 25 year payback.				

FWB Number:	15201	Eco #:	6	Building:	Main Building
Investigation Finding:	Discharge air temperature reset from both Hot deck and cold deck is suboptimal.		Equipment or System(s):	AHU with heating and cooling	
Measure:	Limit difference between hot deck and cold deck to 25F. Cost of $3,115 with a savings of 4,691 therms for a 1 year payback.				

FWB Number:	15201	Eco #:	7	Building:	Main Building
Investigation Finding:	Supply Fan is constantly running		Equipment or System(s):	AHU with heating and cooling	
Measure:	Reschedule the Supply Fan for AHU 3 and 9 to only operate when the building is occupied and cycle on/off during the night as needed. Cost of $546 with a savings of 9,258 kWh and 5,584 therms for a payback of 2 months.				

FWB Number:	15201	Eco #:	8	Building:	Main Building
Investigation Finding:	economizer setpoint for AHU-10 is suboptimal.		Equipment or System(s):	AHU with heating and cooling	
Measure:	Reprogram the economizer set point for AHU-10 to 70F. Cost of $546 with savings of 1,230 kWh and 157 therms for a 3.2 year payback				

Investigation Results

Screening Report

PBEEEP

State Government

Public Buildings Enhanced Energy Efficiency Program

ATTACHMENT 4: SCREENING RESULTS FOR NORTHLAND COMMUNITY AND TECHNICAL COLLEGE- THIEF RIVER FALLS CAMPUS

NORTHLAND COMMUNITY & TECHNICAL COLLEGE

Minnesota STATE COLLEGES & UNIVERSITIES

February 7, 2011

Campus Overview

Northland Community and Technical College- Thief River Falls	
Location	1101 Highway 1 East, Thief River Falls, MN 56701 (Main Campus) 13892 Airport Drive, Thief River Falls, MN 56701 (Airport Campus)
Facility Manager	Clinton Castle, Director of Facilities
Number of Buildings	24
Interior Square Footage	321,707 (from B3)
PBEEEP Provider	Center for Energy and Environment (Angela Vreeland)
Date Visited	1/20/2011
Annual Energy Cost	$456,866 (from 2009 utility data)
Utility Company	Electric: Thief River Falls Municipal Utility (Main), Red Lake Electric Co-op (Airport) Natural Gas: Minnesota Energy Resources
Site Energy Use Index (EUI)	105 kBtu/sqft (from 2009 utility data)
Benchmark EUI (from B3)	123 kBtu/sqft

Northland Community and Technical College (NCTC) in Thief River Falls is comprised of two campus locations. The Main Campus is made up of nineteen buildings totaling 232,455 square feet. Ten of the buildings are attached and make up the Main Building and the remaining nine are smaller detached buildings. The Airport Campus is made up of five buildings, four of which are attached, and totals 89,252 square feet. The two campuses are at separate locations, approximately five miles apart. There is a map of each of the campuses at the end of this report.

Screening Overview

The goal of screening is to select buildings where an in-depth energy investigation can be performed to identify energy savings opportunities that will generate savings with a relatively short (1 to 5 years) and certain payback. The screening of NCTC Thief River Falls was performed by the Center for Energy and Environment (CEE) with the assistance of the facility staff. A walk-through was conducted on January 20, 2011 and interviews with the facility staff were carried out to fully explore the status of the energy consuming equipment and their potential for recommissioning. This report is the result of that information.

Recommendation

A detailed investigation of the energy usage and energy savings opportunities of the 11 buildings listed below totaling 206,958 interior square feet at NCTC Thief River Falls is recommended at this time. The floor areas listed in the table have not been verified.

Building Name	Building Group*	Campus	State ID	Area (sq ft)	Year Built
Activities	Main Building	Main	E26356C1971	23,700	1971
Administration-Library	Main Building	Main	E26356C0269	15,455	1969
Development Learning Center	Main Building	Main	E26356C1502	6,733	2001
Development Learning Center	Main Building	Main	E26356C1401	3,367	2001
Fine Arts	Main Building	Main	E26356C0471	18,800	1971
Main Building	Main Building	Main	E26355T0267	45,384	1967
Science	Main Building	Main	E26356C0169	10,696	1969
Shop/Café/Cosmo	Main Building	Main	E26355T0478	50,956	1978
Student Commons-Classrooms	Main Building	Main	E26356C1300	16,123	2000
Workforce Center	Main Building	Main	E26355T2006	5,200	2007
Multi-Event Cultural Center	MECC	Main	E26356C1299	10,544	1999

*NOTE: The Main Building is comprised of ten buildings, which are all additions to the original Main Building and are all attached. In this report, "Main Building" will refer to the grouping of ten buildings.

There are many factors that are part of the decision to recommend an energy investigation of a building; at NCTC Thief River Falls some of the characteristics that were taken into account during the building selection process include:

- Potential energy savings opportunities observed during screening phase
- Site Energy Use Intensity (EUI) compared to B3 Benchmark EUI
- Large square footage
- Level of control by the building automation system
- Equipment size and quantity
- Support from the staff and management to include building in an investigation

Below is a list of the remaining buildings that are not recommended for investigation. The buildings at the Airport are not being recommended because they have a combined EUI of 63 kBtu/sq ft, which is quite low and likely cannot be significantly reduced at a low cost. The small detached buildings at the Main Campus are not recommended for an investigation because they have little energy use. The Swenson House and garage are not recommended because the buildings are residential in character and are not used at this time.

Building Name	Building Group	Campus	State ID	Area (sq ft)	Year Built
Original Hangar	Main Building*	Airport	E26355T0160	12,252	1960
Hangar Addition	Main Building*	Airport	E26355T0370	4,704	1970
Arctco Hangar	Main Building*	Airport	E26355T0585	10,000	1985
Aviation Class	Main Building*	Airport	E26355T0690	27,296	1990
Aviation Hangar	Swenson Hangar	Airport	E26355T0792	35,000	1992
Grounds Department Shed	N/A	Main	E26356C1896	4,800	2002
Storage Shed NW	N/A	Main	E26356C1196	588	1996
Criminal Justice	N/A	Main	E26356C0371	2,108	1971
Storage Shed NE	N/A	Main	E26356C0990	600	1990
Storage Shed NE	N/A	Main	E26356C1090	600	1990
Storage Shed NW	N/A	Main	E263560785	1,350	1985
Swenson House (Acq FY03)	N/A	Main	E26356C1794	13,043	1994
Swenson House (Garage)	N/A	Main	E26356C1694	2,135	1994

*NOTE: The Main Building at the Airport Campus is not recommended for an energy investigation; however, the equipment in the building is controlled by an outdated automation system and the staff would be interested in upgrading the system to improve control and allow for remote access.

Recommended Buildings Descriptions

Details obtained through the screening process regarding the recommended buildings are included in the following:

Mechanical Equipment

There are a total of 22 air handlers and two rooftop units located throughout the Main Building. There are two boiler rooms that supply hot water to a loop that circulates hot water to the air handlers and reheats located throughout the building. The East and West Boiler rooms each have three hot water boilers. An air-cooled chiller provides chilled water to cooling coils in five of the air handlers. Eleven of the air handlers and both rooftop units have direct expansion (DX) cooling while the remaining six air handlers do not provide cooling. There are approximately 58 VAV boxes with hot water reheat, approximately 15 of which are pneumatically controlled and actuated, while the rest are digital.

The Multi-Event Cultural (MEC) Center has four small boilers and two pumps that produce and deliver hot water to three air handlers. The air handlers provide heating to the spaces, but no cooling. The equipment in the building is oversized because the building was meant to be expanded in phases, with the current structure being the first of three phases. The equipment was sized to handle the load of a much larger space, but there are no longer plans to expand the facility. Variable Frequency Drives (VFDs) were installed recently on the supply fan motors of all of the air handlers to help resolve this issue.

The following table lists the key mechanical equipment in the Main Building and the MEC Center.

Mechanical Equipment Summary Table	
2	Building Automation Systems (TAC and Metasys)
11	Buildings
206,958	Interior Square Feet
22	Air Handlers (3 in MECC)
2	Rooftop Units
43	Digital VAV Boxes
~15	Pneumatic VAV Boxes
29	Exhaust Fans
16	Unit Heaters and Cabinet Unit Heaters
2	Make-up Air Units
1	Chiller
10	Hot Water Boilers (4 in MECC)
15	Pumps (HW, CHW, etc) (2 in MECC)
4	Heat Exchangers
1	Air Compressor
740	Approximate Number of Points Available for Trending
490	Points Required for Trending
90	Data Loggers Required (approximately 10 motor status and 80 temperature). Does NOT include any necessary lighting loggers.

Controls and Trending

The Main Campus originally had a Johnson Controls Metasys Building Automation System (BAS) that controlled most of the equipment in the facility. Recently a new TAC Niagara front end was installed that communicates with the existing controllers and new controllers were installed. The Niagara system is capable of trending, although is it not currently set up for trending and will require set up by a controls technician. The Metasys system is also capable of trending. Since some of the equipment is still controlled by the Metasys system, trending all of the equipment in the facility will require setting up trends on both systems. The trend data can be exported from both systems in a usable format for spreadsheet analysis. Approximately 65% of the equipment in the Main Building is controlled by both systems. The equipment that is neither controlled or monitored by either BAS are seven air handlers and approximately 15 Variable Air Volume (VAV) boxes that are pneumatically controlled and actuated. These items of equipment will require the use of data loggers to collect trend data. All of the equipment in the MEC Center is controlled by the TAC system. The points for each building in the automation system are listed in the following building summary tables.

Lighting

The majority of interior lighting on campus is 32 watt T8s. The MEC Center also has exterior scoreboard lighting and field lights.

Energy Use Index and B3 Benchmark

The site Energy Use Index (EUI) for the Main Campus is 115 kBtu/sqft, which is 12% lower than the B3 Benchmark of 131 kBtu/sqft. This includes the four storage sheds and the Criminal Justice Building, so these values are not for the Main Building alone. The site Energy Use Index (EUI) for the MEC Center is

130 kBtu/sqft, which is 16% higher than the B3 Benchmark of 112 kBtu/sqft. The median site EUI for State of Minnesota buildings are 23% lower than their corresponding B3 Benchmarks. This indicates that NCTC Thief River Falls has the potential to further reduce its energy use at the Main Building and the MEC Center.

Metering

The Main Building has two electric and five natural gas meters, which also serves some of the small detached buildings on campus, so the Main Building is not individually metered. The MEC Center is individually metered and has one electric and one natural gas meter.

Documentation

There is a significant amount of mechanical documentation, including building plans, equipment schedules, operations and maintenance manuals, and control sequences available on-site. Where capacities in the tables below are listed as unknown it means that neither balance reports nor original mechanical schedules with motor and fan capacities were found during Screening. The building staff has very good knowledge about the documentation and how to locate necessary information for each building.

Building Summary Tables

The following tables are based on information gathered from interviews with facility staff, building walk-throughs, automation system screen-captures, and equipment documentation. The purpose of these tables is to provide the size and quantity of equipment and the level of control present in each building recommended for an investigation. It is complete and accurate to the best of our knowledge.

Main Building
State ID# E26356C- 1971,0269,1502,1401,0471,0169,1300
E26355T- 0267,0478,2006

Area (sqft)	196,414	Year Built	1967-2007	Occupancy (hrs/yr)	3,900

HVAC Equipment

Description	Type	Size	Notes
AHU 1 Science	Constant Volume Multizone AHU with SF	Unknown cfm 15 hp SF	Glycol heat and CHW, hot deck/cold deck, serves 6 zones in Science.
AHU 2 Journalism	VAV AHU with VFD on SF	Unknown cfm 30 hp SF	CHW only, serves 17 VAV boxes in Journalism.
AHU 3 Library	Constant Volume Multizone AHU with SF	Unknown cfm 15 hp SF	Glycol heat and CHW, hot deck/cold deck, serves 5 zones in Library.
AHU 4 Chemistry	VAV AHU with VFD on SF	Unknown cfm 7.5 hp SF	Glycol heat and CHW, serves Chemistry Rooms111 and 113.
AHU 5 Wellness	Constant Volume AHU with SF	2,800 cfm 3 hp SF	HW and CHW, serves Wellness Center.

HVAC Equipment- Cont'd

Description	Type	Size	Notes
AHU 6 Infield	Constant Volume Partial Dual-Duct AHU with SF	21,100 cfm 40 hp SF	HW and 2-stage DX cooling, serves Infield Rooms, supply dual duct splits and half of area served is hot deck/cold deck and half of area served has the hot deck blocked and cold deck duct serves 15 VAV boxes.
AHU 7 Farm Mgt	Constant Volume AHU with SF	3,910 cfm 5 hp SF	2-stage DX cooling only, serves 5 VAV boxes in Farm Management
AHU 8 Cosmtlgy	VAV AHU with VFDs on SF and RF	4,500 cfm 7.5 hp SF 3 hp RF	Glycol heat and 2-stage DX cooling, serves Cosmetology.
AHU 9 Business	VAV AHU with VFD on SF	6,570 cfm 10 hp SF	2-stage DX cooling, serves pneumatic VAV boxes in Business Office Rooms 551-560.
AHU 10 Commons	VAV AHU with VFD on SF	12, 100 cfm 20 hp SF	HW and 2-stage DX, hot deck/cold deck, serves Commons Area and Rooms 515, 520, 535.
AHU 11 Admin.	Constant Volume AHU with SF	< 1 hp SF	DX only, serves Administration Suite 461.
AHU 12 Human Resources	Constant Volume AHU with SF and RF	7.5 hp SF 3 hp RF	DX only, serves Human Resources Rooms 425, 431, 453, and 455.
AHU 13 Theater	Constant Volume AHU with SF	Unknown cfm 5 hp SF	HW only, serves Theater Room 415.
AHU 14 Music	Constant Volume AHU with SF	Unknown cfm 3 hp SF	HW and DX cooling, serves Music Rooms 401-407.
AHU 15 Gym	Constant Volume AHU with SF	Unknown cfm 15 hp SF	HW only, serves Gym Room 315.
AHU 16 Locker Rms	Constant Volume AHU with SF	Unknown cfm 2 hp SF	HW only, serves Locker Rooms 301 and 311
AHU 17 Training	Constant Volume AHU with SF	Unknown cfm 5 hp SF	HW and DX cooling, serves Training and Classrooms 315-329.
AHU 18 Workforce	VAV AHU with VFD on SF	4,700 cfm 7.5 hp SF	Glycol heat and 2-stage DX cooling, serves 6 VAV boxes in Workforce Addition.
AHU 1 Automotive	VAV AHU with VFDs on SF and EF	13,000 cfm 15 hp SF 10 hp EF	Glycol heat, energy recovery coil, serves Automotive Room 721.
AHU 2 Autobody	VAV AHU with VFDs on SF and EF	3,100 cfm 5 hp SF 3 hp EF	Glycol heat, energy recovery coil, serves Auto Body Shop 719.
AHU 3 Autobody	VAV AHU with VFDs on SF and EF	6,600 cfm 10 hp SF 5 hp EF	Glycol heat, energy recovery coil, serves Auto Body Shop 717.
AHU 4 Drafting	VAV AHU with VFDs on SF and EF	11,965 cfm 15 hp SF 7.5 hp EF	2-stage DX cooling, serves 12 VAV boxes in Drafting.
RTU 1 Kitchen	Constant Volume RTU with SF	10,000 cfm 15 hp fan	HW and DX cooling, serves Kitchen and Cafeteria.

HVAC Equipment- Cont'd

Description	Type	Size	Notes
RTU 2 Student Svc	VAV RTU with VFD on SF	2,510 cfm 3 hp SF	2-stage DX cooling, serves Student Services.
43 Digital VAV Boxes	Variable Air Volume Boxes		Digitally actuated and controlled, HW reheat
~15 Pneumatic VAV Boxes	Variable Air Volume Boxes		Pneumatically actuated and controlled, HW reheat, some served by AHU 9. ***Not controlled by the BAS.***
Welding MAU	Make-up Air Units	14,000 cfm 15 hp fan	Direct-fired, natural gas, serves Welding Room 651
E Boiler MAU	Make-up Air Units	2,500 cfm 3 hp fan	Direct-fired, natural gas, serves East Boiler Room, linked to CO sensor.
29 EFs	Exhaust Fans	< 1.5 hp ea	
Boilers 1, 2, and 3	Thermal Solutions HW Boilers	1,000 kBtu/hr each	"East Boilers," feed building HW loop.
Boiler 4	Kewanee HW Boiler	6,650 kBtu/hr	Located in West Boiler room, least efficient and largest boiler, used rarely for morning warm-up in extremely cold weather.
Boilers 5 and 6	Thermal Solutions HW Boilers	2,000 kBtu/hr each	Located in West Boiler room, feed building HW loop.
HWP 2 HWP 3	Constant Volume HW Pumps	Unknown hp	
HWP 5 HWP 6	Constant Volume HW Pumps	20 hp	Primary loop pumps for West Boilers (Boilers 5-6).
HWP 7	Constant Volume HW Pump	5/3 hp	HW pump for Boiler 4
HWP 8 HWP 9	Variable Volume HW Pumps	15 hp each	Primary loop pumps for East Boilers (Boilers 1-3).
HWP 10 HWP 11	Constant Volume HW Pumps	7.5 hp each	Circulate HW to Administration Area
HWP 12 HWP 13		Unknown hp	
Glycol Pump	CV Glycol Circulation Pump	11 gpm	
1 Chiller	Air-cooled Rotary Chiller	125 Tons	
CWP 1	Constant Volume CHWP	Unknown hp	
4 HXs	Hot Water to Glycol Flat-Plate Heat Exchangers		Glycol is used in AHUs 1 (Science), 3 (Library), 4 (Chemistry), 8, 18, and 1-4 (Automotive, Autobody, and Drafting)
4 CUHs	Cabinet Unit Heaters		1 is glycol heat, the rest are HW
12 UHs	Unit Heaters	10000-63,000 kBtu/hr each	9 use Natural Gas, 3 use HW
Air Compressors		(1) 3 hp	

Points on BAS

Description	Points
AHU 1 Science	Mixed air damper position, MAT, Preheat valve, Preheat temp, SF status, Hot deck valve, Cold deck valve, Hot deck temp, Cold deck temp, Occupancy, Min damper position, Economizer setpoint, Preheat temp setpoint, Warmest zone temp, Calc CD supply setpoint, Coldest zone temp, Calc HD supply setpoint, Zone temps (6), Zone setpoints (6), Zone damper position (6)
AHU 2 Journalism	Mixed air damper position, MAT, Cooling valve, SF status, SF VFD speed, DAT, DA DSP, Coldest zone temp, Occupancy, Min damper position, Economizer setpoint, DAT setpoint, DA DSP setpoint
AHU 3 Library	Mixed air damper position, MAT, SF status, Hot deck valve, Cold deck valve, Hot deck temp, Cold deck temp, Occupancy, Zone temp, Min damper position, Economizer setpoint, Warmest zone temp, Calc CD supply setpoint, Coldest zone temp, Calc hot deck setpoint, Zone temps (5), Zone setpoints (5), Zone damper position (5)
AHU 4 Chemistry	OA damper (on/off), Cooling valve, Heating valve, SF status, SF VFD speed, DAT, Zone temp, Supply damper status (3), Radiation valve, Occupancy, Zone temp setpoint, DAT setpoint
AHU 5 Wellness	Mixed air damper position, MAT, Heating valve, Cooling valve, SF status, DAT, Occupancy, Min damper position, Economizer setpoint, DAT setpoint, Zone temp setpoint
AHU 6 Infield	RAT, Mixed air dampers, MAT, SF status, Hot deck valve, DX cooling stage (2), Hot deck temp, Cold deck temp, Occupancy, Cold deck setpoint, Calc hot deck setpoint, Min damper position, Economizer setpoint, OA low limit, OA high limit, Hot deck low limit, Hot deck high limit
AHU 7 Farm Mgt	Mixed air dampers, MAT, DX cooling stage (2), SF status, DAT, Warmest zone temp, Occupancy, Min damper position, Economizer setpoint, DAT low limit, DAT reset band, Zone temp setpoint, Calc DAT setpoint
AHU 8 Cosmtlgy	RF status, RF VFD speed, RA CO2, Mixed air dampers, MAT, SF status, SF VFD speed, DX cooling stage (2), Heating valve, DAT, Zone temp, Zone setpoint, Occupancy, Min damper position, Economizer setpoint, VFD min speed, Night setup setpoint, Night setback setpoint, DAT low limit, DA calc reset, Remote room setpoint, CO2 mixed air reset band
AHU 9 Business	RA CO2, RAT, Mixed air dampers, MAT, SF status, SF VFD speed, DX cooling stage (2), DAT, DA DSP, Zone temp, Occupancy, Min damper position, Economizer setpoint, VFD min speed, DA DSP setpoint, Night setup setpoint, Night setback setpoint, DA low limit, DA reset band, CO2 mixed air reset band
AHU 10 Commons	RA CO2, Mixed air dampers, MAT, SF status, SF VFD speed, Hot deck valve, DX cooling stage (2), Hot deck temp, Cold deck temp, Zone tstat pressure feedback, Zone temp, Occupancy, Min damper position, Economizer setpoint, CO2 mixed air reset band, Min VFD speed, Calc CD supply setpoint, Calc HD supply setpoint, Night setup setpoint, Night setback setpoint
AHUs 11-17	***There are no points available for trending for these units because they only have pneumatic controls.***
AHU 18 Workforce	RA CO2, RAT, Mixed air dampers, OA flow, MAT, Hot deck valve, DX cooling stage (2), SF status, SF VFD speed, DAT, DA DSP, Coldest zone temp, Occupancy, Min damper position, Economizer setpoint, DAT setpoint, DA DSP setpoint, CO2 low limit, CO2 reset band

Points on BAS- Cont'd

Description	Points
AHU 1 Automotive, AHU 2 & 3 Autobody	RAT, EF status, EF VFD speed, EAT, Mixed air dampers, OAT, Preheat valve, ERU discharge temp, Heating valve, SF status, SF VFD speed, DAT, Occupancy, SF VFD speed setpoint, EF VFD speed setpoint, Calc DAT setpoint, Night setback setpoint, Remote room setpoint, EAT setpoint, Zone temp, Local temp setpoint
AHU 4 Drafting	RAT, RF status, RF VFD speed, Mixed air dampers, DX cooling stage (2), SF status, SF VFD speed, DAT, DA DSP, HX HWST, HX HWRT, HX HWST setpoint, Occupancy, Min damper position, Economizer setpoint, DAT setpoint, DA DSP setpoint
RTU 1 Kitchen	RAT, Mixed air dampers, SF status, DAT, Occupancy, Min damper position, Economizer setpoint, DAT low limit, DAT reset band, DAT setpoint, Zone temp setpoint, Zone temp
RTU 2 Student Svc	RA CO2, RAT, Mixed air dampers, MAT, SF status, SF VFD speed, DX cooling stage (2), DAT, DA DSP, Zone temp, Occupancy, Min damper position, Economizer setpoint, VFD min speed, DA DSP setpoint, Night setup setpoint, Night setback setpoint, DAT low limit, DAT reset band, CO2 mixed air reset band
Digital VAV Boxes	CFM flow setpoint, CFM flow, Damper position, Heating valve, Zone temp, Zone temp setpoint, Occupancy
Welding MAU, E Boiler MAU	***There are no points available for trending for these units because they are not controlled by the BAS.***
EFs	EF status
East Boiler HW System	Boiler command (3), Calc boiler setpoint (3), HWP 8 status, HWP 8 VFD speed, HWP 9 status, HWP 9 VFD speed, HWST, HWS pressure, HWS pressure setpoint, OAT low limit, OAT high limit, Boiler HWST low limit, Boiler HWST high limit
West Boiler HW System	Boiler command (3), Calc boiler setpoint (3), HWP 2 command, HWP 3 command, HWP 10 command, HWP 11 command, HWP 12 command, HWP 13 command, HWP 5 command, HWP 6 command, HWST, OAT low limit, OAT high limit, Boiler HWST low limit, Boiler HWST high limit
Chilled Water System	Chiller lockout setpoint, Chiller command
4 CUHs	***There are no points available for trending for these units because they are not controlled by the BAS.***
12 UHs	***There are no points available for trending for these units because they are not controlled by the BAS.***
Air Compressors	***There are no points available for trending for these units because they are not controlled by the BAS.***

Multi-Event Cultural Center State ID# E26356C1299					
Area (sqft)	10,544	Year Built	1999	Occupancy (hrs/yr)	Variable*

HVAC Equipment

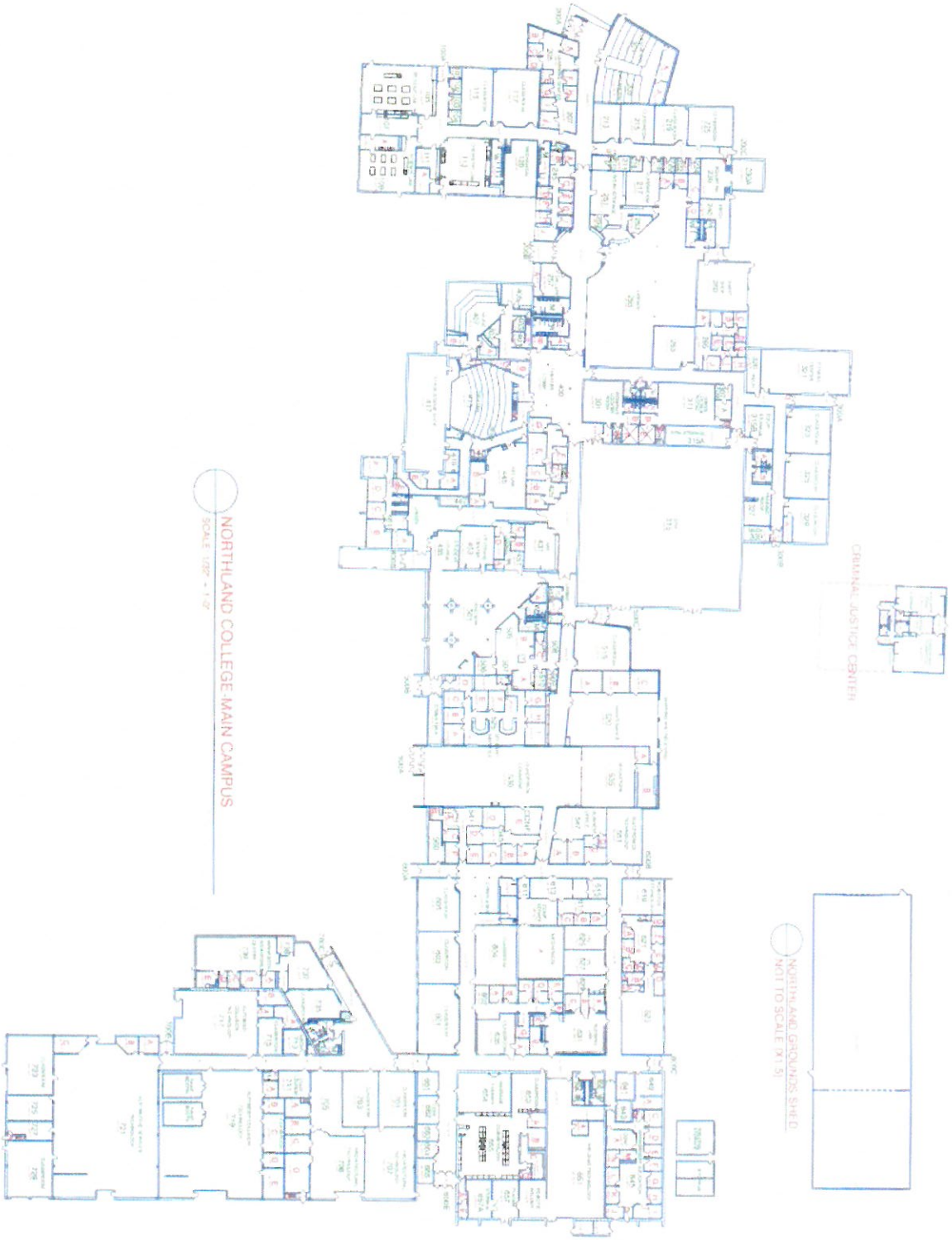
Description	Type	Size	Notes
AHU 1	VAV AHU with VFD on SF	4,200 cfm 3 hp SF	HW, serves locker rooms.
AHU 2	VAV AHU with VFD on SF	1,200 cfm 0.5 hp SF	HW, serves rest rooms.
AHU 3	VAV AHU with VFD on SF	5,350 cfm 5 hp SF	HW, serves concourse and corridor.
Boiler 1 Boiler 2 Boiler 3 Boiler 4	HW Boilers	396 kBtu/hr input 275 kBtu/hr output	
P 1 P 2	Variable Volume HW Pumps with VFDs	84 gpm 3 hp each	Serve primary loop

Points on BAS- Cont'd

Description	Points
AHU 1 AHU 2 AHU 3	RAT, Mixed air dampers, MAT, Heating valve, SF status, SF VFD speed, DAT, Highest zone temp, Occupancy, Unocc heating setpoint, Highest room setpoint, Min damper position, Economizer setpoint
Heating System	Boiler status (4), Pump status (2), Pump VFD speed (2), HWST setpoint, HWST, Unocc OAT pump shutdown setpoint, Occ OAT pump shutdown setpoint

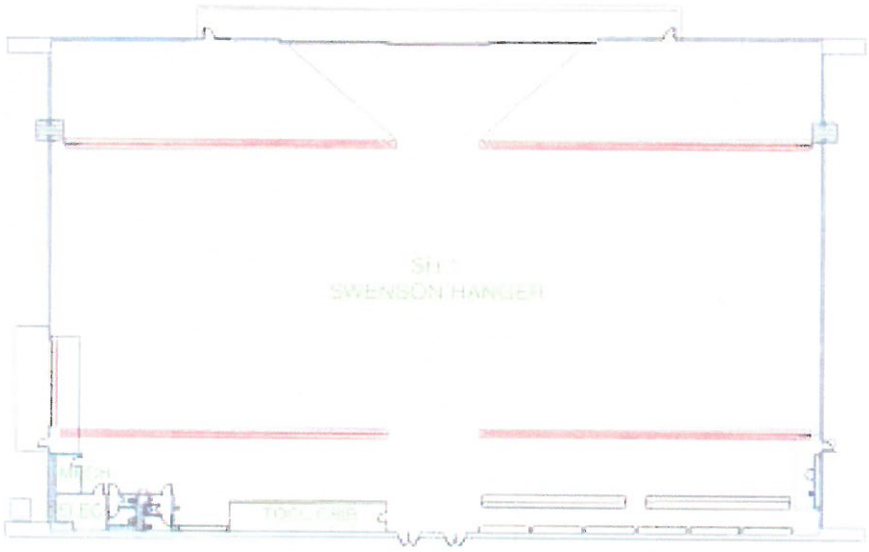
*This building is used primarily in the afternoons and weekends for football (fall) and track (spring) events.

Building Map- Main Campus



PBEEEP
State Government

Building Map- Airport Campus



PBEEEP Abbreviation Descriptions			
AHU	Air Handling Unit	hp	Horsepower
BAS	Building Automation System	HRU	Heat Recovery Unit
CD	Cold Deck	HW	Hot Water
CDW	Condenser Water	HWDP	Hot Water Differential Pressure
CDWRT	Condenser Water Return Temperature	HWP	Hot Water Pump
CDWST	Condenser Water Supply Temperature	HWRT	Hot Water Return Temperature
cfm	Cubic Feet per Minute	HWST	Hot Water Supply Temperature
CHW	Chilled Water	HX	Heat Exchanger
CHWRT	Chilled Water Return Temperature	kW	Kilowatt
CHWDP	Chilled Water Differential Pressure	kWh	Kilowatt-hour
CHWP	Chilled Water Pump	MA	Mixed Air
CHWST	Chilled Water Supply Temperature	MA Enth	Mixed Air Enthalpy
CRAC	Computer Room Air Conditioner	MARH	Mixed Air Relative Humidity
CV	Constant Volume	MAT	Mixed Air Temperature
DA	Discharge Air	MAU	Make-up Air Unit
DA Enth	Discharge Air Enthalpy	OA	Outside Air
DARH	Discharge Air Relative Humidity	OA Enth	Outside Air Enthalpy
DAT	Discharge Air Temperature	OARH	Outside Air Relative Humidity
DDC	Direct Digital Control	OAT	Outside Air Temperature
DP	Differential Pressure	Occ	Occupied
DSP	Duct Static Pressure	PTAC	Packaged Terminal Air Conditioner
DX	Direct Expansion	RA	Return Air
EA	Exhaust Air	RA Enth	Return Air Enthalpy
EAT	Exhaust Air Temperature	RARH	Return Air Relative Humidity
Econ	Economizer	RAT	Return Air Temperature
EF	Exhaust Fan	RF	Return Fan
Enth	Enthalpy	RH	Relative Humidity
ERU	Energy Recovery Unit	RTU	Rooftop Unit
FCU	Fan Coil Unit	SF	Supply Fan
FPVAV	Fan Powered VAV	Unocc	Unoccupied
FTR	Fin Tube Radiation	VAV	Variable Air Volume
GPM	Gallons per Minute	VFD	Variable Frequency Drive
HD	Hot Deck	VIGV	Variable Inlet Guide Vanes

Conversions
1 kWh = 3.412 kBtu
1 Therm = 100 kBtu
1 kBtu/hr = 1 MBH

Minnesota State Colleges and Universities
Higher Education Asset Preservation and Renewal (HEAPR)

Campus	Building Name or Project Location	2022 Project Title	2022 Proposed cost
TRF	Aerospace site	Roof Replacement-classroom addition	2,004,000
EGF	East Grand Forks	Repairs, Recommision HVAC	1,203,058
EGF	Main Building	Repair and Replace HVAC	1,203,059
TRF	Main Building	Replace HVAC Controls	562,500
TRF	Airport	Repair and Replace Sprinkler System	606,787
EGF	Main Building	Tuckpointing Exterior Walls, Replace /Windows, and Repair Doors	211,250
EGF	Main Building	ADA door hardware and Locks	402,187
TRF	Main Building	Tuckpointing Exterior walls, Window Replacement	298,782
TRF	Airport	Boiler Rm/Classroom Ventilation	91,381
TRF	Main Building	Replace Combustible Interior	336,326
			6,919,330

0

6,919,330

7.0 APPENDIX

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

ROOM NUMBER COLOR KEY:

- 100-199
- 200-299
- 300-399
- 400-499
- 500-599
- 700-799

DIRECTORY:

1. Academic Success Center 578-580
2. Administrative Offices
3. Admissions 106
4. Adult Basic Education 560
5. Business Office 130
6. Cafeteria
7. Counseling 110
8. Financial Aid 117-118
9. Fire Tech./Paramedicine
10. Fitness Center 299
11. IT Services 205
12. Library
13. Northland Store
14. Nursing
15. Reception
16. Receiving 546
17. Registrar 111-112
18. Student Services
19. Testing Center
20. Veterans Center 540
21. Workforce Development Solutions

AED Defibrillator

First Aid Kit

Restrooms

Overall Utilization:
Summer 21 0.64
Fall 21 30.33
Spring 22 33.48

PARKING

Overall Utilization:
Summer 21 4.89
Fall 21 30.12
Spring 22 26.47

NORTH PARKING

NORTH PARKING

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

WEST PARKING

WEST PARKING

EAST PARKING

EAST PARKING

SOUTH PARKING

SOUTH PARKING

VISITOR PARKING

CAREEREFORCE PARKING

Overall Utilization:
Summer 21 0.00
Fall 21 35.27
Spring 22 36.14

Reporting Period: 5/17/2021 thru 7/30/2021

NCTC_EGF_NCTC East Grand Forks(EGF)

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
149 Classroom--Telepresence	0	0.00	345.60	0.00	Unused
150 Classroom	0	0.00	345.60	0.00	Unused
220 Classroom	0	0.00	345.60	0.00	Unused
224 Lab - Computer Service Networking	0	0.00	345.60	0.00	Unused
226 Classroom	0	0.00	345.60	0.00	Unused
232 Lab - Art	0	0.00	345.60	0.00	Unused
234 Classroom	0	0.00	345.60	0.00	Unused
236 Classroom	0	0.00	345.60	0.00	Unused
238 Classroom	0	0.00	345.60	0.00	Unused
248 Lab - Computer Maintenance	0	0.00	345.60	0.00	Unused
250 Classroom	0	0.00	345.60	0.00	Unused
254 Classroom	0	0.00	345.60	0.00	Unused
256 Classroom	0	0.00	345.60	0.00	Unused
280 Classroom	0	0.00	345.60	0.00	Unused
292 ITV	0	0.00	345.60	0.00	Unused
302 Classroom - OTAC	0	0.00	345.60	0.00	Unused
306 Lab - Occupational Therapy	0	0.00	345.60	0.00	Unused
312 Classroom	0	0.00	345.60	0.00	Unused
314 Lab - Physical Therapist Assistant	0	0.00	345.60	0.00	Unused
316 Classroom	0	0.00	345.60	0.00	Unused
318 Classroom	0	0.00	345.60	0.00	Unused
322 Lab - Surgical Tech	0	0.00	345.60	0.00	Unused
326 Classroom	0	0.00	345.60	0.00	Unused
330 Lab - Anatomy/Phys	0	0.00	345.60	0.00	Unused
334 Lab - Microbiology	0	0.00	345.60	0.00	Unused
336 Lab - Radiologic Tech	0	0.00	345.60	0.00	Unused
338 Lab - Chemistry	0	0.00	345.60	0.00	Unused
340 Classroom--Phlebotomy	0	0.00	345.60	0.00	Unused
344 Classroom	10	33.33	345.60	9.65	Low
352 Lab - Early Childhood Educ	0	0.00	345.60	0.00	Unused
354 Lab - Pharmacy	0	0.00	345.60	0.00	Unused
356 Classroom	0	0.00	345.60	0.00	Unused
362 Classroom	0	0.00	345.60	0.00	Unused

Reporting Period: 5/17/2021 thru 7/30/2021

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
366 Classroom	0	0.00	345.60	0.00	Unused
368 Lab - Respiratory Therapist	0	0.00	345.60	0.00	Unused
416 Lab - Nursing	28	79.33	345.60	22.96	Low
418 Lab - Nursing	0	0.00	345.60	0.00	Unused
502A Lab - Heating Ventilation AC	0	0.00	345.60	0.00	Unused
502B Lab - Plumbing	0	0.00	345.60	0.00	Unused
502C Lab - Construction Electricity	0	0.00	345.60	0.00	Unused
510 Classroom	0	0.00	345.60	0.00	Unused
515A Lab -- Architectural Tech	0	0.00	345.60	0.00	Unused
515B Lab -- Architectural Tech	0	0.00	345.60	0.00	Unused
530 Lab - Welding	0	0.00	345.60	0.00	Unused
552 Classroom	0	0.00	345.60	0.00	Unused
556 Lab - Const Elec/HVAC	0	0.00	345.60	0.00	Unused
558 Classroom	0	0.00	345.60	0.00	Unused
570 Lab --Carpentry	0	0.00	345.60	0.00	Unused
705 Classroom	0	0.00	345.60	0.00	Unused
710 Classroom	0	0.00	345.60	0.00	Unused
715 Classroom	0	0.00	345.60	0.00	Unused
Total	38	112.67	17,625.60	0.64	

NCTC_TRF_AV_Airport Campus(TRF_AV)

AC06 Lab - Aviation	0	0.00	352.00	0.00	Unused
AC08 Classroom - Aviation	0	0.00	352.00	0.00	Unused
AC09 Classroom - Geospatial	0	0.00	352.00	0.00	Unused
AC10 Classroom - Imagery Analysis	0	0.00	352.00	0.00	Unused
AC11 Classroom - Aviation	20	76.67	352.00	21.78	Low
AC12 Classroom - Aviation	0	0.00	352.00	0.00	Unused
AC22 Lab - Composite/Sheetmetal	0	0.00	352.00	0.00	Unused
AC23 Classroom - Clean Room	0	0.00	352.00	0.00	Unused
AC24 Lab - Multipurpose	0	0.00	352.00	0.00	Unused
AC26 Lab - UAS	0	0.00	352.00	0.00	Unused
AC27 Classroom	53	87.17	352.00	24.76	Low
AC28 Lab - Electronics	0	0.00	352.00	0.00	Unused
AC31 Lab - Electronics	0	0.00	352.00	0.00	Unused

Reporting Period: 5/17/2021 thru 7/30/2021

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
AC40 Swenson Airplane Hanger	9	77.00	352.00	21.88	Low
Total	82	240.83	4,928.00	4.89	

NCTC_TRF_Main Building(TRF)

105 Lab - Biology	0	0.00	352.00	0.00	Unused
109 Classroom - Natural Science	0	0.00	352.00	0.00	Unused
113 Lab - Chemistry	0	0.00	352.00	0.00	Unused
115 Classroom (3.14.2019)	0	0.00	352.00	0.00	Unused
117 Classroom	0	0.00	352.00	0.00	Unused
201 Classroom	0	0.00	352.00	0.00	Unused
263 Lab - Computer	0	0.00	352.00	0.00	Unused
407 Music-Band Rehearsal	0	0.00	352.00	0.00	Unused
431 Lab - Art	0	0.00	352.00	0.00	Unused
445 Lab - Art	0	0.00	352.00	0.00	Unused
515 Classroom	0	0.00	352.00	0.00	Unused
551 Classroom	0	0.00	352.00	0.00	Unused
601 Classroom - Telepresence	0	0.00	352.00	0.00	Unused
603 Lab - Computer	0	0.00	352.00	0.00	Unused
604 Classroom	0	0.00	352.00	0.00	Unused
619 Flex Lab	0	0.00	352.00	0.00	Unused
623 Classroom	0	0.00	352.00	0.00	Unused
631 Lab - Nursing	0	0.00	352.00	0.00	Unused
635 Classroom	0	0.00	352.00	0.00	Unused
651 Lab - Welding	0	0.00	352.00	0.00	Unused
654 Classroom -- Criminal Justice	0	0.00	352.00	0.00	Unused
655 Lab - Criminal Justice	0	0.00	352.00	0.00	Unused
703 Classroom	0	0.00	352.00	0.00	Unused
705 Lab -- Agriculture	0	0.00	352.00	0.00	Unused
706 Lab - Precision Ag	0	0.00	352.00	0.00	Unused
707 Lab - Precision Ag Shop	0	0.00	352.00	0.00	Unused
715 Classroom - Auto Body I	0	0.00	352.00	0.00	Unused
717 Lab - Auto Body I	0	0.00	352.00	0.00	Unused
719 Lab - Auto Body II	0	0.00	352.00	0.00	Unused
719C Classroom - Auto Body II	0	0.00	352.00	0.00	Unused

Reporting Period: 5/17/2021 thru 7/30/2021

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
721 Lab - Auto Service I	0	0.00	352.00	0.00	Unused
721D Lab - Auto Service II	0	0.00	352.00	0.00	Unused
723 Classroom - Auto Service II	0	0.00	352.00	0.00	Unused
729 Classroom - Auto Service I	0	0.00	352.00	0.00	Unused
735 Conference--ITV	0	0.00	352.00	0.00	Unused
Total	0	0.00	12,320.00	0.00	
Grand Total	120	353.50	34,873.60	1.01	

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Detail By Building	5/17/2021	7/30/2021		

Buildings

NCTC_EGF_NCTC East Grand Forks(EGF)
NCTC_TRF_AV_Airport Campus(TRF_AV)
NCTC_TRF_Main Building(TRF)
NCTC_TRF_MC_Multi-Events Center(TRF_MC)

Statuses

Academic Confirmed

Room Types

Class Laboratory - 210
Classroom Facilities - 110

Event Types

Course, Credit
Course, Final Exam

Group Types

Academic

Reporting Period: 1/10/2022 thru 5/12/2022

NCTC_EGF_NCTC East Grand Forks(EGF)

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
149 Classroom--Telepresence	197	224.50	473.60	47.40	Low
150 Classroom	112	143.33	473.60	30.26	Low
220 Classroom	92	153.67	473.60	32.45	Low
224 Lab - Computer Service Networking	189	334.50	473.60	70.63	Low
226 Classroom	194	207.17	473.60	43.74	Low
232 Lab - Art	60	110.00	473.60	23.23	Low
234 Classroom	189	202.50	473.60	42.76	Low
236 Classroom	110	295.67	473.60	62.43	Low
238 Classroom	142	149.83	473.60	31.64	Low
248 Lab - Computer Maintenance	30	25.00	473.60	5.28	Low
250 Classroom	142	133.33	473.60	28.15	Low
254 Classroom	143	227.17	473.60	47.97	Low
256 Classroom	28	38.33	473.60	8.09	Low
280 Classroom	99	117.00	473.60	24.70	Low
292 ITV	104	138.67	473.60	29.28	Low
302 Classroom - OTAC	59	108.17	473.60	22.84	Low
306 Lab - Occupational Therapy	59	108.17	473.60	22.84	Low
312 Classroom	176	190.67	473.60	40.26	Low
314 Lab - Physical Therapist Assistant	74	106.67	473.60	22.52	Low
316 Classroom	133	124.83	473.60	26.36	Low
318 Classroom	99	160.50	473.60	33.89	Low
322 Lab - Surgical Tech	0	0.00	473.60	0.00	Unused
326 Classroom	89	134.17	473.60	28.33	Low
330 Lab - Anatomy/Phys	31	56.83	473.60	12.00	Low
334 Lab - Microbiology	36	66.00	473.60	13.94	Low
336 Lab - Radiologic Tech	87	161.50	473.60	34.10	Low
338 Lab - Chemistry	0	0.00	473.60	0.00	Unused
340 Classroom--Phlebotomy	30	55.00	473.60	11.61	Low
344 Classroom	164	187.67	473.60	39.63	Low
352 Lab - Early Childhood Educ	15	27.50	473.60	5.81	Low
354 Lab - Pharmacy	44	110.67	473.60	23.37	Low
356 Classroom	102	114.00	473.60	24.07	Low
362 Classroom	251	258.67	473.60	54.62	Low

Reporting Period: 1/10/2022 thru 5/12/2022

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
366 Classroom	218	254.67	473.60	53.77	Low
368 Lab - Respiratory Therapist	47	133.17	473.60	28.12	Low
416 Lab - Nursing	15	42.50	473.60	8.97	Low
418 Lab - Nursing	114	209.00	473.60	44.13	Low
502A Lab - Heating Ventilation AC	88	191.33	473.60	40.40	Low
502B Lab - Plumbing	74	165.67	473.60	34.98	Low
502C Lab - Construction Electricity	88	249.33	473.60	52.65	Low
510 Classroom	66	122.00	473.60	25.76	Low
515A Lab -- Architectural Tech	177	339.00	473.60	71.58	Low
515B Lab -- Architectural Tech	236	329.17	473.60	69.50	Low
530 Lab - Welding	114	397.00	473.60	83.83	Low
552 Classroom	58	77.33	473.60	16.33	Low
556 Lab - Const Elec/HVAC	14	53.67	473.60	11.33	Low
558 Classroom	0	0.00	473.60	0.00	Unused
570 Lab --Carpentry	88	393.00	473.60	82.98	Low
705 Classroom	42	182.00	473.60	38.43	Low
710 Classroom	97	244.83	473.60	51.70	Low
715 Classroom	54	231.00	473.60	48.78	Low
Total	4,870	8,086.33	24,153.60	33.48	

NCTC_TRF_AV_Airport Campus(TRF_AV)

AC06 Lab - Aviation	0	0.00	531.20	0.00	Unused
AC08 Classroom - Aviation	70	268.33	531.20	50.51	Low
AC09 Classroom - Geospatial	0	0.00	531.20	0.00	Unused
AC10 Classroom - Imagery Analysis	0	0.00	531.20	0.00	Unused
AC11 Classroom - Aviation	62	237.67	531.20	44.74	Low
AC12 Classroom - Aviation	53	203.17	531.20	38.25	Low
AC22 Lab - Composite/Sheetmetal	23	88.17	531.20	16.60	Low
AC23 Classroom - Clean Room	0	0.00	531.20	0.00	Unused
AC24 Lab - Multipurpose	0	0.00	531.20	0.00	Unused
AC26 Lab - UAS	0	0.00	531.20	0.00	Unused
AC27 Classroom	0	0.00	531.20	0.00	Unused
AC28 Lab - Electronics	195	373.00	531.20	70.22	Low
AC31 Lab - Electronics	195	373.00	531.20	70.22	Low

Reporting Period: 1/10/2022 thru 5/12/2022

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
AC40 Swenson Airplane Hanger	111	425.50	531.20	80.10	Low
Total	709	1,968.83	7,436.80	26.47	
NCTC_TRF_Main Building(TRF)					
105 Lab - Biology	79	112.83	531.20	21.24	Low
109 Classroom - Natural Science	16	29.33	531.20	5.52	Low
113 Lab - Chemistry	17	31.17	531.20	5.87	Low
115 Classroom (3.14.2019)	0	0.00	531.20	0.00	Unused
117 Classroom	239	215.67	531.20	40.60	Low
201 Classroom	96	80.00	531.20	15.06	Low
263 Lab - Computer	47	39.17	531.20	7.37	Low
407 Music-Band Rehearsal	136	140.33	531.20	26.42	Low
431 Lab - Art	49	89.83	531.20	16.91	Low
445 Lab - Art	33	44.00	531.20	8.28	Low
515 Classroom	128	130.17	531.20	24.50	Low
551 Classroom	82	167.33	531.20	31.50	Low
601 Classroom - Telepresence	172	193.00	531.20	36.33	Low
603 Lab - Computer	66	81.00	531.20	15.25	Low
604 Classroom	65	215.17	531.20	40.51	Low
619 Flex Lab	0	0.00	531.20	0.00	Unused
623 Classroom	131	134.17	531.20	25.26	Low
631 Lab - Nursing	80	176.67	531.20	33.26	Low
635 Classroom	188	189.67	531.20	35.71	Low
651 Lab - Welding	97	438.00	531.20	82.45	Low
654 Classroom -- Criminal Justice	222	330.50	531.20	62.22	Low
655 Lab - Criminal Justice	222	330.50	531.20	62.22	Low
703 Classroom	33	126.50	531.20	23.81	Low
705 Lab -- Agriculture	195	261.50	531.20	49.23	Low
706 Lab - Precision Ag	162	248.50	531.20	46.78	Low
707 Lab - Precision Ag Shop	0	0.00	531.20	0.00	Unused
715 Classroom - Auto Body I	113	377.17	531.20	71.00	Low
717 Lab - Auto Body I	113	377.17	531.20	71.00	Low
719 Lab - Auto Body II	227	417.17	531.20	78.53	Low
719C Classroom - Auto Body II	227	404.67	531.20	76.18	Low

Reporting Period: 1/10/2022 thru 5/12/2022

Room	Bookings	Hours Used	Hours Available	% Utilization	Util. Category
721 Lab - Auto Service I	112	276.83	531.20	52.11	Low
721D Lab - Auto Service II	128	330.67	531.20	62.25	Low
723 Classroom - Auto Service II	128	330.67	531.20	62.25	Low
729 Classroom - Auto Service I	112	276.83	531.20	52.11	Low
735 Conference--ITV	92	122.67	531.20	23.09	Low
Total	3,807	6,718.83	18,592.00	36.14	
Grand Total	9,386	16,774.00	50,182.40	33.43	

Report	Format	Start Date	End Date	Start Time	End Time
Room Utilization	Detail By Building	1/10/2022	5/12/2022		

Buildings

NCTC_EGF_NCTC East Grand Forks(EGF)
NCTC_TRF_AV_Airport Campus(TRF_AV)
NCTC_TRF_Main Building(TRF)
NCTC_TRF_MC_Multi-Events Center(TRF_MC)

Statuses

Academic Confirmed

Room Types

Class Laboratory - 210
Classroom Facilities - 110

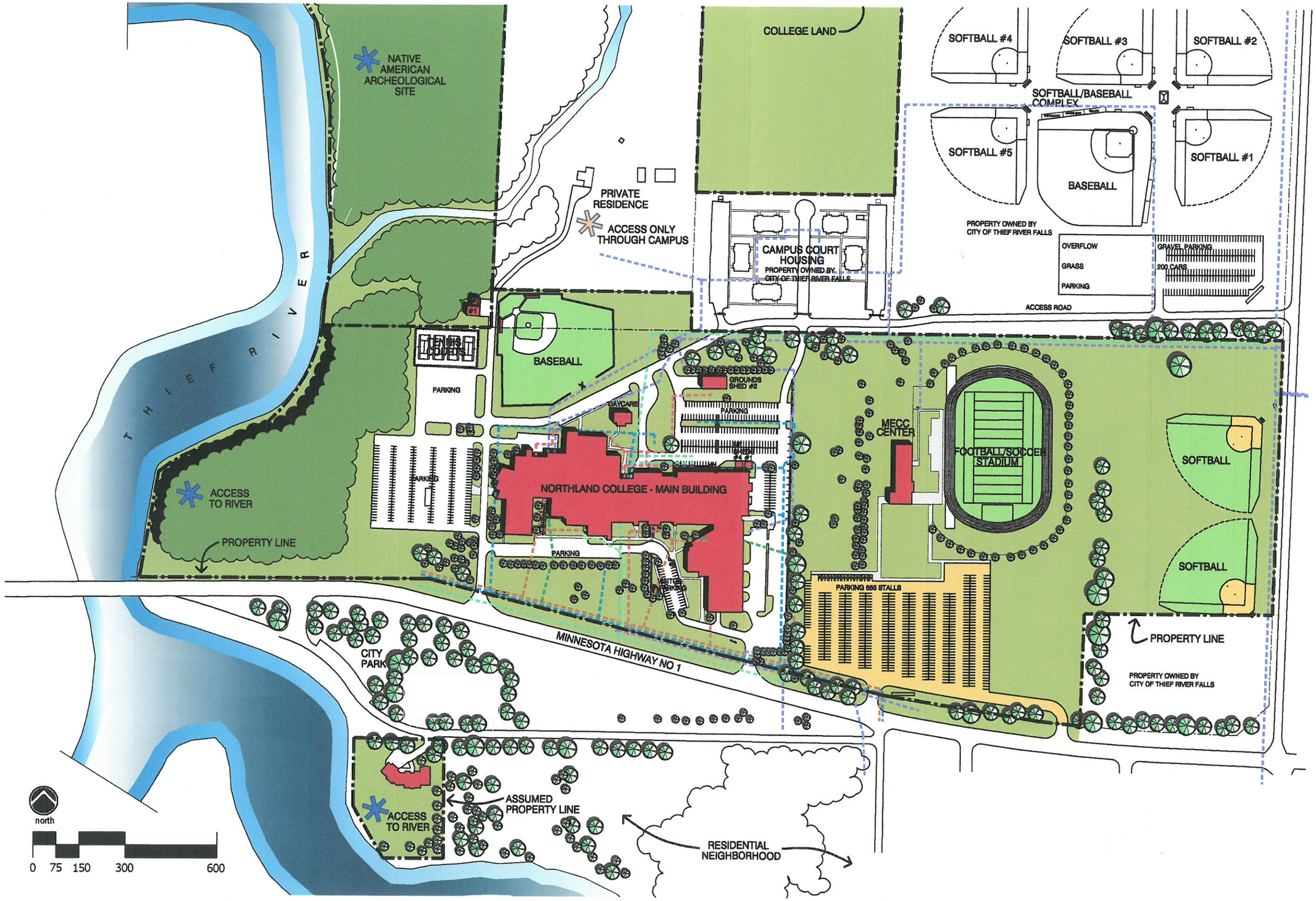
Event Types

Course, Credit
Course, Final Exam

Group Types

Academic

7.0 APPENDIX



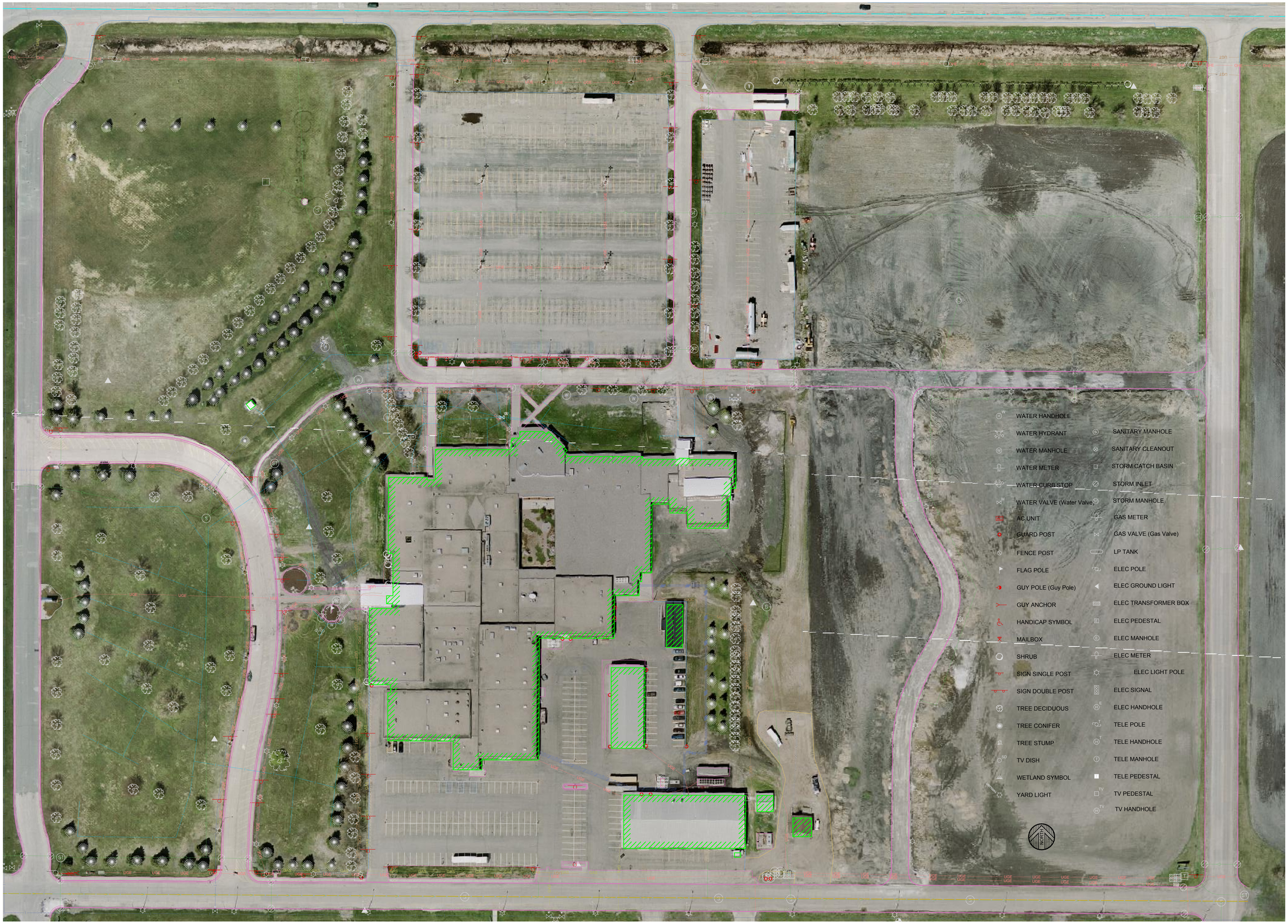
Site Analysis

Utilities Legend

- FIBER OPTIC CABLE
- GAS LINE
- PHONE/DATA LINE
- POWER LINE
- SANITARY SEWER
- STORM SEWER
- WATER SUPPLY

Attributes

- POSITIVE
- NEGATIVE



- WATER HANDHOLE
- WATER HYDRANT
- WATER MANHOLE
- WATER METER
- WATER CURB STOP
- WATER VALVE (Water Valve)
- AC UNIT
- GUARD POST
- FENCE POST
- FLAG POLE
- GUY POLE (Guy Pole)
- GUY ANCHOR
- HANDICAP SYMBOL
- MAILBOX
- SHRUB
- SIGN SINGLE POST
- SIGN DOUBLE POST
- TREE DECIDUOUS
- TREE CONIFER
- TREE STUMP
- TV DISH
- WETLAND SYMBOL
- YARD LIGHT
- SANITARY MANHOLE
- SANITARY CLEANOUT
- STORM CATCH BASIN
- STORM INLET
- STORM MANHOLE
- GAS METER
- GAS VALVE (Gas Valve)
- LP TANK
- ELEC POLE
- ELEC GROUND LIGHT
- ELEC TRANSFORMER BOX
- ELEC PEDESTAL
- ELEC MANHOLE
- ELEC METER
- ELEC LIGHT POLE
- ELEC SIGNAL
- ELEC HANDHOLE
- TELE POLE
- TELE HANDHOLE
- TELE MANHOLE
- TELE PEDESTAL
- TV PEDESTAL
- TV HANDHOLE

NORTH

WATER HANDHOLE
WATER HYDRANT
WATER MANHOLE
WATER METER
WATER CURB STOP
WATER VALVE (Water Valve)
AC UNIT
GUARD POST
FENCE POST
FLAG POLE
GUY POLE (Guy Pole)
GUY ANCHOR
HANDICAP SYMBOL
MAILBOX
SHRUB
SIGN SINGLE POST
SIGN DOUBLE POST
TREE DECIDUOUS
TREE CONIFER
TREE STUMP
TV DISH
WETLAND SYMBOL
YARD LIGHT

SANITARY MANHOLE
SANITARY CLEANOUT
STORM CATCH BASIN
STORM INLET
STORM MANHOLE
GAS METER
GAS VALVE (Gas Valve)
LP TANK
ELEC POLE
ELEC GROUND LIGHT
ELEC TRANSFORMER BOX
ELEC PEDESTAL
ELEC MANHOLE
ELEC METER
ELEC LIGHT POLE
ELEC SIGNAL
ELEC HANDHOLE
TELE POLE
TELE HANDHOLE
TELE MANHOLE
TELE PEDESTAL
TV PEDESTAL
TV HANDHOLE

NORTH

- WATER HANDHOLE
- WATER HYDRANT
- WATER MANHOLE
- WATER METER
- WATER CURB STOP
- WATER VALVE (Water Valve)
- AC UNIT
- GUARD POST
- FENCE POST
- FLAG POLE
- GUY POLE (Guy Pole)
- GUY ANCHOR
- HANDICAP SYMBOL
- MAILBOX
- SHRUB
- SIGN SINGLE POST
- SIGN DOUBLE POST
- TREE DECIDUOUS
- TREE CONIFER
- TREE STUMP
- TV DISH
- WETLAND SYMBOL
- YARD LIGHT
- SANITARY MANHOLE
- SANITARY CLEANOUT
- STORM CATCH BASIN
- STORM INLET
- STORM MANHOLE
- GAS METER
- GAS VALVE (Gas Valve)
- LP TANK
- ELEC POLE
- ELEC GROUND LIGHT
- ELEC TRANSFORMER BOX
- ELEC PEDESTAL
- ELEC MANHOLE
- ELEC METER
- ELEC LIGHT POLE
- ELEC SIGNAL
- ELEC HANDHOLE
- TELE POLE
- TELE HANDHOLE
- TELE MANHOLE
- TELE PEDESTAL
- TV PEDESTAL
- TV HANDHOLE

NORTH

"COPY"

NCTC FIRST RESUBDIVISION

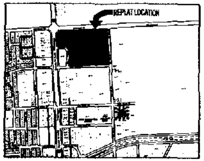
Being a replat of Lot 66 of Auditor's Plat of Outlots 65 through 94 To The City Of East Grand Forks, Minnesota

NOTES:

(A) IRON REBAR MONUMENTS 1/2" O.D. X 18" LONG WITH YELLOW PLASTIC CAPS STAMPED "LS 43502" WILL BE SET AT (1) ALL ANGLE POINTS ON THE OUTSIDE BOUNDARY LINES, (2) AT ALL BLOCK CORNERS AND AT ALL INTERMEDIATE POINTS ON THE BLOCK LINES INDICATING CHANGES IN DIRECTION OF THE LINES AND, (3) AT ALL LOT CORNERS. ALL BEARINGS AND DISTANCES ARE GRID BASED ON THE NORTH DAKOTA STATE PLANE COORDINATE SYSTEM NORTH ZONE OF 1983 (NAD83).

(B) THE CITY OF EAST GRAND FORKS, MN, ITS SUCCESSORS AND /OR ASSIGNS, SHALL HAVE THE RIGHT TO KEEP ALL UTILITY EASEMENTS SHOWN HEREON FREE FROM HAZARDS, STRUCTURES, AND OTHER IMPROVEMENTS WHICH MIGHT HINDER THE CITIES ABILITY TO SERVE AND MAINTAIN SUCH UTILITIES.

(C) SIDEWALKS AND BIKEPATHS ARE REQUIRED AS PER THE EAST GRAND FORKS 2025 LAND USE PLAN.

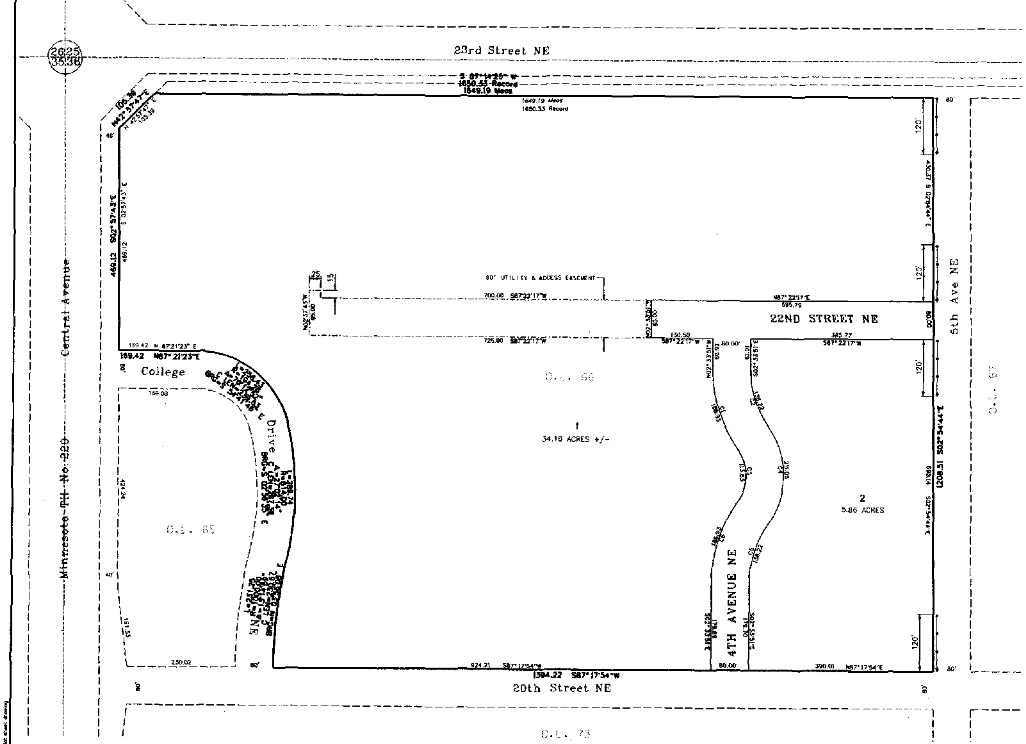


LEGEND

EASEMENT LINE
SECTION LINE
NEW LOT LINE
EXISTING MONUMENT
MONUMENT SET (THIS SURVEY)
PLAT BOUNDARY
EXISTING RIGHT OF WAY LINES
ACCESS CONTROL LINE

100 50 0 100 200FT
SCALE: 1" = 100'

CURVE #	LENGTH	RADIUS	DELTA	CHORD LENGTH	CURVE BEARING
C1	186.93	307.00	34°53'11"	184.05	N20°00'26"W
C2	138.22	227.00	34°53'11"	136.09	N20°00'26"W
C3	113.65	93.31	69°46'21"	106.74	S02°33'51"E
C4	211.05	173.31	69°46'21"	198.25	S02°33'51"E
C5	138.22	227.00	34°53'11"	136.09	N14°52'45"E
C6	186.93	301.00	34°53'11"	184.05	N14°52'45"E



INSTRUMENT OF DEDICATION

"KNOW ALL MEN BY THESE PRESENTS": That Laura M. King, Vice Chancellor - Chief Financial Officer, State of Minnesota, by and through the Board of Trustees of Minnesota State Colleges and Universities, on behalf of Northland Community and Technical College, the owners and proprietors of the following described property:

Replat of Lot 66 of Auditor's Plat of Outlots 65 through 94 to the City of East Grand Forks, Minnesota

All bearings and distances are grid based on the North Dakota State Plane Coordinate System - North Zone of 1983 (NAD83).

Has caused the same to be surveyed and platted as "NCTC FIRST RESUBDIVISION" To the City of East Grand Forks, Minnesota do hereby dedicate to the public, all of the streets and alleys, and utility easements as shown on this plat, the dimensions of which are as designated on the plat.

Laura M. King
Vice Chancellor - Chief Financial Officer

STATE OF MINNESOTA)
SS
COUNTY OF POLK)

On this 15 day of SEPTEMBER, 2008, before me, a Notary Public, personally appeared Laura M. King, Vice Chancellor - Chief Financial Officer known to be the person described in and who executed the foregoing instrument, and acknowledged that she executed the same as her free act and deed.

Nancy Berg Lamden
Notary Public, DAKOTA COUNTY
State of Minnesota
My Commission Expires: Jan 31, 2012

NANCY BERG LAMDEN
NOTARY PUBLIC
MINNESOTA

SURVEYORS CERTIFICATE

I hereby certify that I have surveyed and platted the property described on this plat as "NCTC FIRST RESUBDIVISION", that this plat is a correct representation of the survey, that all distances are correctly shown on the plat in feet and hundredths of a foot, that all monuments will be correctly placed in the ground as designated, that the outside boundary lines are correctly designated on the plat and that there are no wetlands as defined in MS 505.02, Subd. 1 or public highways to be designated other than as shown.

Gary G. Caskey, Land Surveyor
Minnesota Registration No. 43502

STATE OF Minnesota)
SS
COUNTY OF Polk)

The foregoing Surveyor's Certificate was acknowledged before me this 5th day August 2008 by Gary G. Caskey, Minnesota Registration No. 43502

Marilyn R. Bren
Notary Public Polk County
State of Minnesota
My Commission Expires Jan 31, 2010

MARILYN R. BREN
NOTARY PUBLIC—MINNESOTA
My Commission Expires JAN. 31, 2010

TAX STATEMENT:

COUNTY AUDITOR TAX STATEMENT

No delinquent taxes due and transfer entered this 9th day of October, 2008.

Gerald J. Amiot by Laureen Anderson, Deputy
Polk County Auditor, State of Minnesota

COUNTY TREASURER TAX STATEMENT:

I hereby certify that all taxes for 2008 on the land described herein are paid.

Gerald J. Amiot by Laureen Anderson, Deputy
Polk County Treasurer, State of Minnesota

RECORDING CERTIFICATE

COUNTY RECORDER CERTIFICATE

DOCUMENT NUMBER A000649087

I hereby certify that this instrument was filed in the office of the Polk County Recorder for record on this 10th day of Oct., 2008, at 11:47 o'clock AM, and was duly recorded in Book ___ of ___ on page ___

Michelle M. Coe by Tiffany Hanson, Deputy
Polk County Recorder, State of Minnesota

CITY COUNCIL APPROVAL:

I hereby certify that the within plat of "NCTC FIRST RESUBDIVISION" to the City of East Grand Forks, Minnesota, was approved by Resolution of the City Council of the City of East Grand Forks, Minnesota, at a regular scheduled meeting of the City Council held on the 15th day of July, 2008.

Jerry D. Skyberg - Interim City Administrator
City of East Grand Forks, Minnesota

CITY PLANNING COMMISSION APPROVAL:

I hereby certify that the within plat of "NCTC FIRST RESUBDIVISION" to the City of East Grand Forks, Minnesota, was approved by the City Planning Commission of the City of East Grand Forks, Minnesota, at a meeting of said City Planning Commission on the 10th day of July, 2008.

City Planning Commission of the City of East Grand Forks, Minnesota
By: Sheila G. Bruhn, Its Secretary
Sheila G. Bruhn

1029

- WATER HANDHOLE
- WATER HYDRANT
- WATER MANHOLE
- WATER METER
- WATER CURB STOP
- WATER VALVE (Water Valve)
- AC UNIT
- GUARD POST
- FENCE POST
- FLAG POLE
- GUY POLE (Guy Pole)
- GUY ANCHOR
- HANDICAP SYMBOL
- MAILBOX
- SHRUB
- SIGN SINGLE POST
- SIGN DOUBLE POST
- TREE DECIDUOUS
- TREE CONIFER
- TREE STUMP
- TV DISH
- WETLAND SYMBOL
- YARD LIGHT
- SANITARY MANHOLE
- SANITARY CLEANOUT
- STORM CATCH BASIN
- STORM INLET
- STORM MANHOLE
- GAS METER
- GAS VALVE (Gas Valve)
- LP TANK
- ELEC POLE
- ELEC GROUND LIGHT
- ELEC TRANSFORMER BOX
- ELEC PEDESTAL
- ELEC MANHOLE
- ELEC METER
- ELEC LIGHT POLE
- ELEC SIGNAL
- ELEC HANDHOLE
- TELE POLE
- TELE HANDHOLE
- TELE MANHOLE
- TELE PEDESTAL
- TV PEDESTAL
- TV HANDHOLE

NORTH

WATER HANDHOLE
WATER HYDRANT
WATER MANHOLE
WATER METER
WATER CURB STOP
WATER VALVE (Water Valve)
AC UNIT
GUARD POST
FENCE POST
FLAG POLE
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TREE CONIFER
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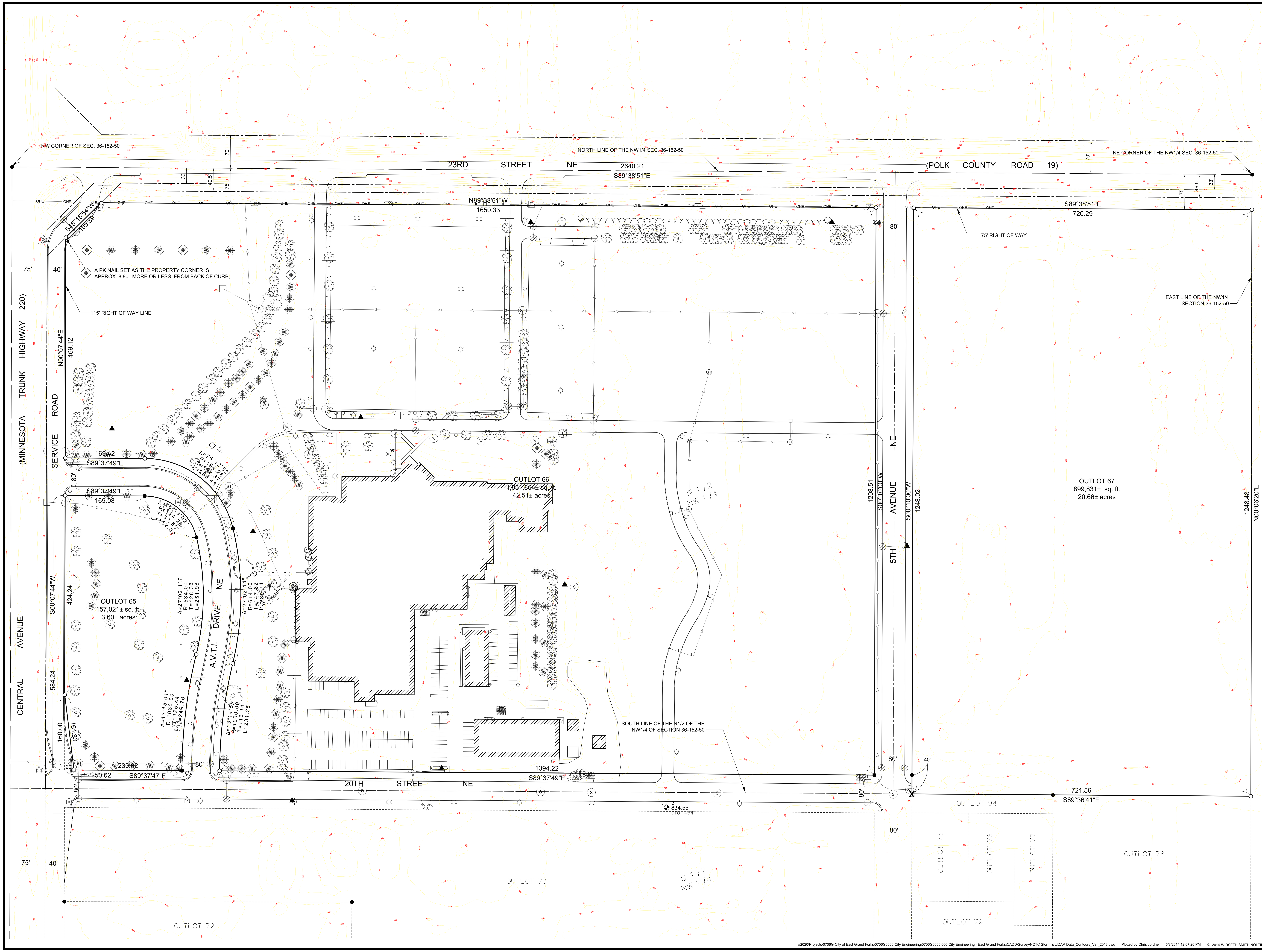
SANITARY MANHOLE
SANITARY CLEANOUT
STORM CATCH BASIN
STORM INLET
STORM MANHOLE
GAS METER
GAS VALVE (Gas Valve)
LP TANK
ELEC POLE
ELEC GROUND LIGHT
ELEC TRANSFORMER BOX
ELEC PEDESTAL
ELEC MANHOLE
ELEC METER
ELEC LIGHT POLE
ELEC SIGNAL
ELEC HANDHOLE
TELE POLE
TELE HANDHOLE
TELE MANHOLE
TELE PEDESTAL
TV PEDESTAL
TV HANDHOLE

NORTH


NW CORNER OF SEC. 36-152-50
NORTH LINE OF THE NW1/4 SEC. 36-152-50
23RD STREET NE
2640.21
S89°38'51"E
(POLK COUNTY ROAD 19)
NE CORNER OF THE NW1/4 SEC. 36-152-50
N89°38'51"W
1650.33
S89°38'51"E
720.29
75' RIGHT OF WAY
S45°15'54"W
105.39
A PK NAIL SET AS THE PROPERTY CORNER IS APPROX. 8.80', MORE OR LESS, FROM BACK OF CURB.
115' RIGHT OF WAY LINE
EAST LINE OF THE NW1/4 SECTION 36-152-50
(MINNESOTA TRUNK HIGHWAY 220)
SERVICE ROAD
N00°07'44"E
469.12
169.42
S89°37'49"E
S89°37'49"E
169.08
OUTLOT 66
1,851,864± sq. ft.
42.51± acres
OUTLOT 67
899,831± sq. ft.
20.66± acres
1208.51
S00°10'00"W
5TH AVENUE NE
S00°10'00"W
1248.02
1248.48
N00°06'20"E
N 1/2 NW 1/4
CENTRAL AVENUE
S00°07'44"W
424.24
584.24
OUTLOT 65
157,021± sq. ft.
3.60± acres
A.V.T.I. DRIVE NE
SOUTH LINE OF THE N1/2 OF THE NW1/4 OF SECTION 36-152-50
230.62
250.02
S89°37'47"E
1394.22
S89°37'49"E
20TH STREET NE
721.56
S89°36'41"E
OUTLOT 94
OUTLOT 75
OUTLOT 76
OUTLOT 77
OUTLOT 78
OUTLOT 79
OUTLOT 73
OUTLOT 72
S 1/2 NW 1/4

Engineering
Architecture
Surveying
Environmental

WIDSETH SMITH NOLTING

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

PATRICK M. KRUG DATE: LIC. NO. 47922

DATE	REV#	REVISIONS DESCRIPTION	BY

DATE: 5-8-14
SCALE: N.T.S.
DRAWN BY: C.D.J.
CHECKED BY: P.M.K.
JOB NUMBER: 706G0000.000

CAMPUS ELEVATION AND UTILITY PLAN
NORTHLAND COMMUNITY & TECHNICAL COLLEGE
EAST GRAND FORKS, MINNESOTA

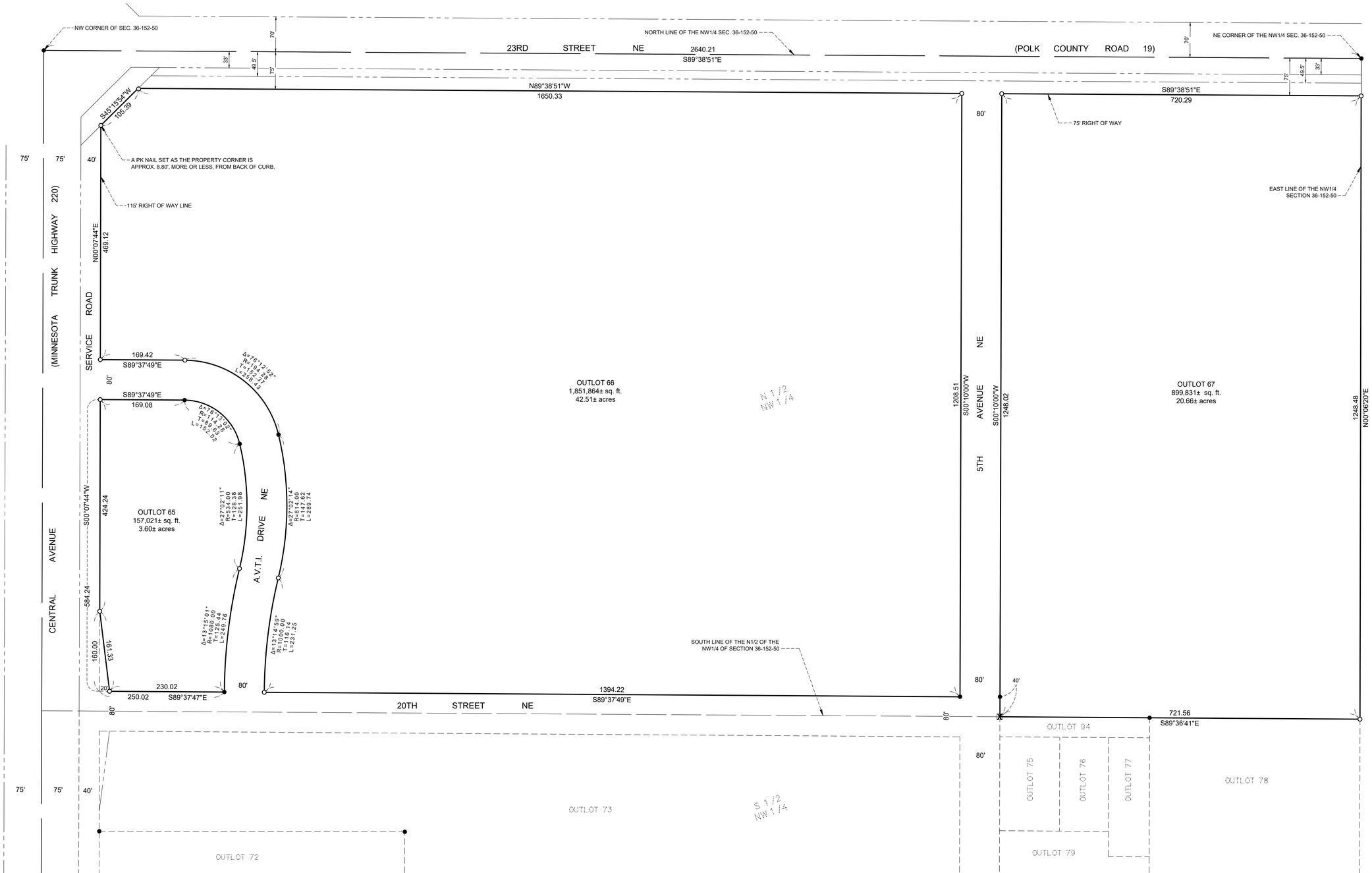
BOUNDARY & TOPOGRAPHIC SURVEY

SHEET NO. SV1

SHEET 1 OF 1

CERTIFICATE OF SURVEY

OUTLOTS 65, 66, AND 67 OF THE AUDITOR'S PLAT OF OUTLOTS 65 THROUGH 94, SEC. 36, T. 152 N., R. 50 W. OF THE FIFTH PRINCIPAL MERIDIAN, POLK COUNTY, MINNESOTA.



DESCRIPTION: (BY OTHERS)

Outlots 65, 66, and 67 of Auditor's Plat of Outlots 65 through 94, Section 36, Township 152 North, Range 50 West, according to the plat thereof on file and of record in the office of the County Recorder in and for Polk County, Minnesota.

Except a tract which lies westerly of line to be described:

Beginning at a point on the west line of said Outlot 65, distant 160 feet northerly of the southwest corner thereof; thence run southeasterly to a point on the south line of said Outlot 65, distant 20 feet easterly of said southwest corner and there terminating.

Said Outlots contain 66.77 acres, more or less, and is subject to easements, restrictions or reservations of record, if any.

NORTH

0 100 200

SCALE (IN FEET)

ORIENTATION OF THIS BEARING SYSTEM IS BASED ON AN ASSUMED DATUM

- ● = DENOTES FOUND IRON MONUMENT
- ○ = DENOTES 1/2 INCH DIAMETER BY 18 INCH LONG IRON REBAR MONUMENT SET AND MARKED RLS # 45365
- ☒ = DENOTES A CHISELED "X" IN CONCRETE PAVEMENT

DATE:	JULY 19, 2007
SCALE:	AS SHOWN
DRAWN BY:	G.R.B.
CHECKED BY:	B.S.H.
FILE NUMBER:	693C0733.000

DATE	AMENDMENTS	BY

PREPARED FOR: **NCTC**

I HEREBY CERTIFY THAT THIS SURVEY, PLAN, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

GARRETT R. BOROWICZ DATE: 7-19-2007 LIC. NO. 45365

WIDSETH SMITH NOLTING

ENGINEERS ALEXANDRIA BEMIDJI
ARCHITECTS BRAINERD
LAND SURVEYORS CROOKSTON
ENVIRONMENTAL SERVICES GRAND FORKS
WWW.WSN-MN.COM

7.0 APPENDIX

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

Fact Book

East Grand Forks Campus
2022 Central Avenue NE
East Grand Forks, MN 56721

Thief River Falls Campus
1101 Highway One East
Thief River Falls, MN 56701

2021

based on Fall 2020 data

Prepared by: The Office of Institutional Research

Tracey Roy, Director
Heather Hohenstein, Analyst

1851 East Highway 169
Grand Rapids, MN 55744
(218) 322-2409

tracey.roy@itascacc.edu
heather.hohenstein@vcc.edu

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

East Grand Forks Campus
2022 Central Avenue NE
East Grand Forks, MN 56721

Thief River Falls Campus
1101 Highway One East
Thief River Falls, MN 56701

Northland Aerospace Site
13892 Airport Drive
Thief River Falls, MN 56701

Roseau Site
121 Center St E. Suite 200
Roseau, MN 56751

Phone: 1.800.959.6282
www.northlandcollege.edu

Fact Book

The Northland Community & Technical College Fact Book provides general statistical and descriptive information about the college which may be useful to those engaged in planning, assessment, preparing reports, writing grant proposals or other endeavors within the college. The Fact Book is a reference tool that provides a picture of Northland for fiscal year 2021 by using fall 2020 data, along with historical trend data. While not all available data has been gathered, the data accurately represents the major areas of the college.

Data may differ from other college and state reports. Such variances result from source of information used, the date on which the report was generated or the reporting period included in the data. Trends should be tracked using identical data sources over time.

Data reflects student enrollment by either full-year equivalent (FYE), full-time equivalent (FTE), or headcount:

Student Full-Year Equivalent
A full-time enrollment equivalent for a year – total credits taken by all students over the academic year divided by 30 (the number of credits considered to be a full-time course load over the duration of the year).

Student Full-Time Equivalent
Student full-time equivalent for a semester – total credits taken during the semester for all students divided by 15.

Headcount
For this purpose, the headcount is the actual number of students enrolled at the 30th day of Fall Semester.

Northland Community & Technical College Mission and Vision

MISSION

Northland is an innovative leader in higher education, preparing all learners with work and life skills that advance personal well-being and regional prosperity.

VISION

Northland will be highly valued for providing exceptional education that transforms lives and strengthens the communities we serve.

INSTITUTIONAL LEARNER OUTCOMES

1. **Communication Skills.** Students will be able to **communicate** effectively with a variety of audiences using verbal, non-verbal, listening, writing, interpersonal, and team skills.
2. **Critical Thinking.** Students will **gather** information, develop solutions, and apply a viable plan of action.
3. **Social Engagement.** Students will be prepared **to practice** social engagement that addresses environmental responsibility, civic engagement, and global diversity.
4. **Information and Applied Technology.** Students will be able to **access** and **analyze** appropriate information and/or resources using technology to **solve** problems.
5. **Personal Development.** Students will **develop** professional attitudes and habits of punctuality, honesty, respect, accountability, leadership, professional and personal integrity, and self-directedness while contributing to personal and group goals.

Accreditation

Northland Community and Technical College is accredited by the Higher Learning Commission (www.hlcommission.org), a regional accreditation agency recognized by the U.S. Department of Education.

Source: http://www.ncahlc.org/component/directory/?Action=ShowBasic&Itemid=&instid=1794

MINNESOTA STATE

Northland Community and Technical College
Fact Book

TABLE OF CONTENTS

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

At a Glance

5-Year Comparison

	Fiscal Year	
	FY 2017	**FY 2021***
Unduplicated Headcount	**4,892**	**3,896**
FYE	**2,226.5**	**1,759.8**
College in the Schools Enrollment/Concurrent (FYE)	147.4	150.7

	Fall 30th Day	
	Fall 16	**Fall 20**
FTE	**2,142**	**1,679**
Headcount	**3,517**	**2,814**
New Students	**44%**	**42%**
Percentages of Total Fall Student Headcount		
Gender		
Female	57%	63%
Male	42%	37%
Student Load		
Full-time	39%	39%
Part-time	61%	61%
Average Credit Load		
Full-time	14.6	14.5
Part-time	5.6	5.5
All Students	9.1	8.9
Admission Category		
Concurrent/High School and PSEO	15%	22%
Undergraduate Regular	32%	32%
Undergraduate Transfer	35%	33%
Undergraduate Other	17%	13%
Average Age		
Full-time	23	23
Part-time	26	25
All Students	24	24
Residency Status		
Minnesota Resident	65%	67%
Non-Resident	35%	33%
Underrepresented	49%	44%
Students of Color	19%	18%
Pell Eligible	34%	31%
First Generation Minnesota	18%	16%
First Generation Federal (TRIO)	58%	52%

Source: MinnState ISRS Operational Data; Fall 30th Day Enrollment, unknowns are included in the denominator

Definitions: FYE- full-year equivalent (total credits/30); FTE - full time equivalent per semester (total credits/15); new student in summer or fall, enrolled in fall; full time student = 12 or more credits; Pell Eligible - receipt of or eligibility for federal need-based grant; First Generation Minnesota - neither parent received postsecondary education; First Generation Federal - neither parent has bachelor's degree, Student of Color - all racial-ethnic categories excluding White, Nonresident Alien and unknown status; Underrepresented Students - ONE or more attributes: student of color, Pell eligible, or first generation Minnesota. Post-Secondary Enrollment Option (PSEO) - high school students taking college courses at the college; College in the Schools (CIS/Concurrent) - college courses in the high school. *Fiscal Year 2021 enrollment is preliminary, as of 5/11/2021.

Enrollment Trends

Table 1
Fiscal Year Headcounts 2012 to 2021

	FY2012	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021*
Summer I	840	767	811	710	704	742	701	718	**614**	**617**
Fall	4,017	4,106	3,833	3,683	3,619	3,629	3,444	3,522	**3,236**	**2,968**
Spring	4,044	4,110	3,959	3,581	3,632	3,467	3,343	3,314	**3,130**	**2,770**
FY Duplicated HC	8,901	8,983	8,603	7,974	7,955	7,838	7,488	7,554	**6,980**	**6,355**
FY Unduplicated HC	5,338	5,421	5,229	4,894	4,937	4,892	4,584	4,668	**4,323**	**3,896**

Source: MinnState ISRS Operational Data, CT_ST_MultiYr, *FY2020 Preliminary as of 5.11.2021

Chart 1
Fiscal Year Unduplicated Headcount

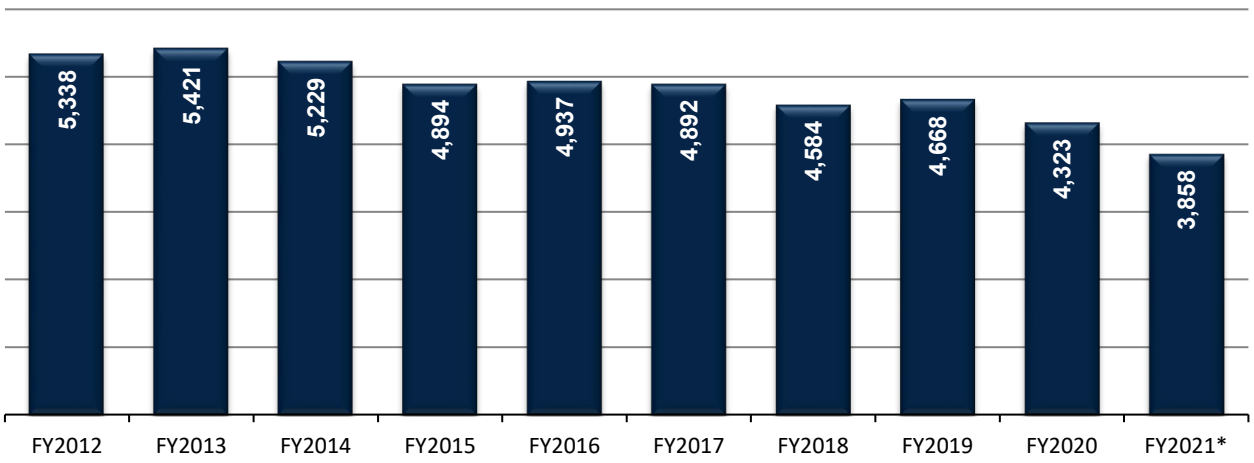
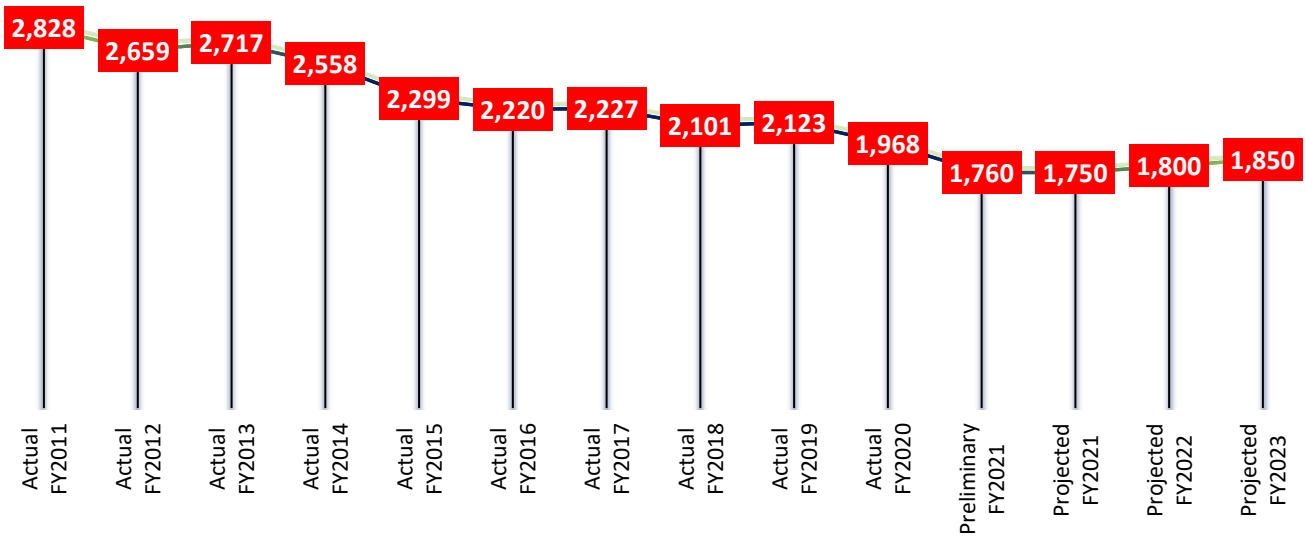


Chart 2
Enrollment (FYE) by Fiscal Year - Trend and Projected



Source: MinnState Finance Division/Student Full-Year Equivalent (FYE) Actual & Projected, Feb. 2021; FY2021 as of 5.11.2021

Table 2
Headcount and FTE - 10th Day - Fall Terms

	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Headcount	3,413	3,165	3,330	**3,112**	**2,545**
FTE	2,111	1,932	2,043	**1,898**	**1,593**

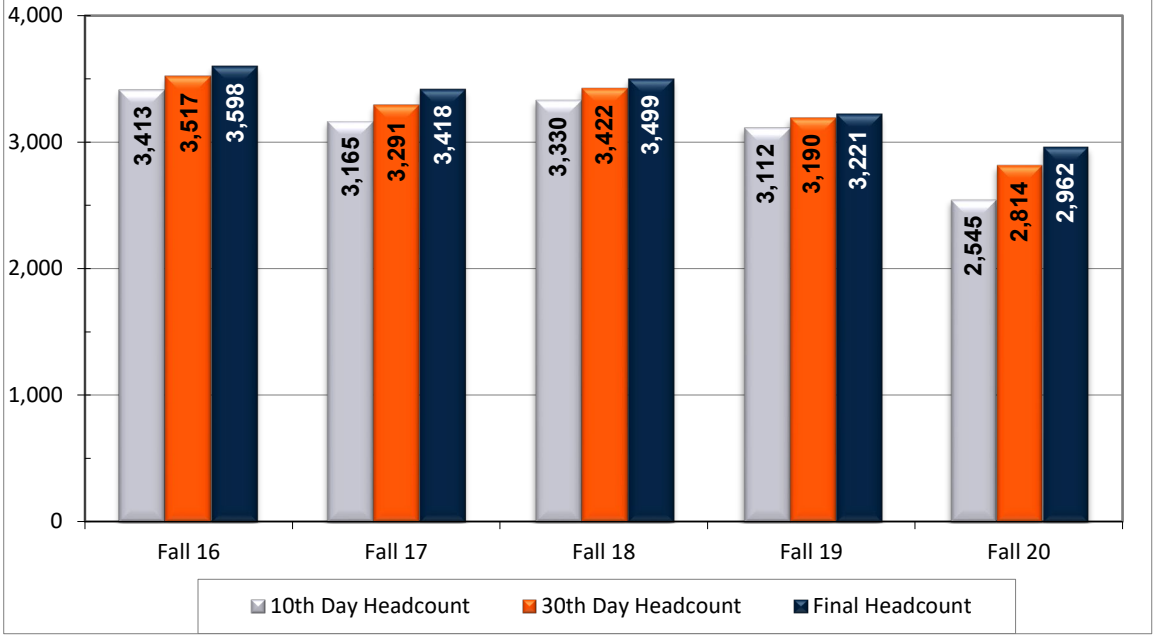
Headcount and FTE - 30th Day - Fall Terms

	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Headcount	3,517	3,291	3,422	**3,190**	**2,814**
FTE	2,142	1,969	2,072	**1,920**	**1,679**

Headcount and FTE - Final - Fall Terms

	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Headcount	3,598	3,418	3,499	**3,221**	**2,962**
FTE	2,165	2,003	2,093	**1,927**	**1,729**

Chart 3
Headcount - 10th Day, 30th Day, and Final

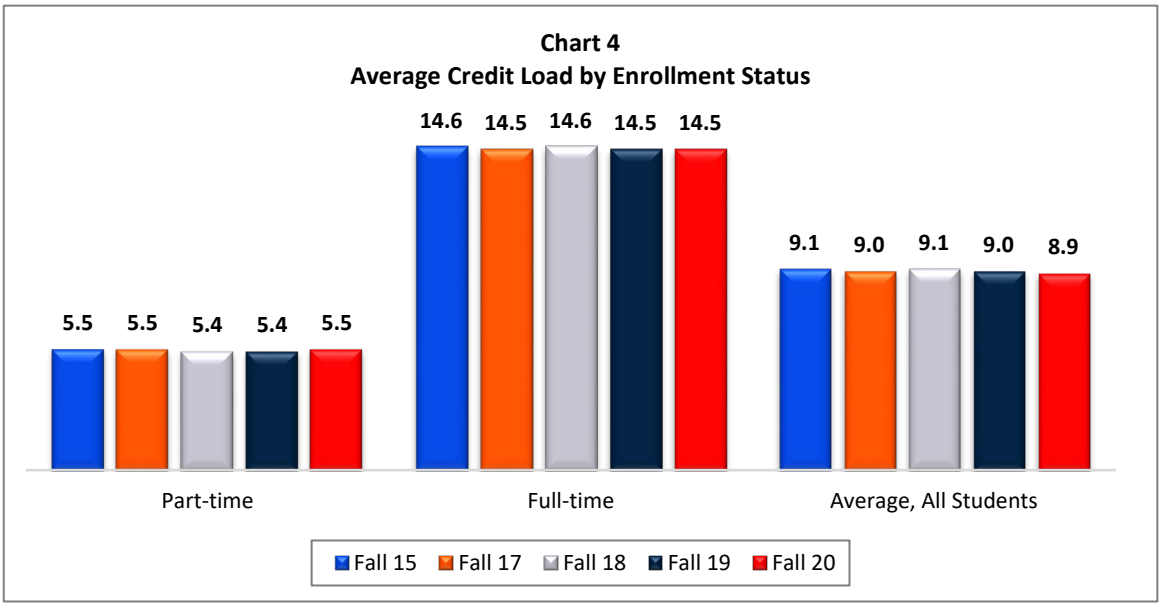


Source: MinnState ISRS Operational Data, ST_Term_Data, 10th Day, 30th Day, and Final Fall Enrollment

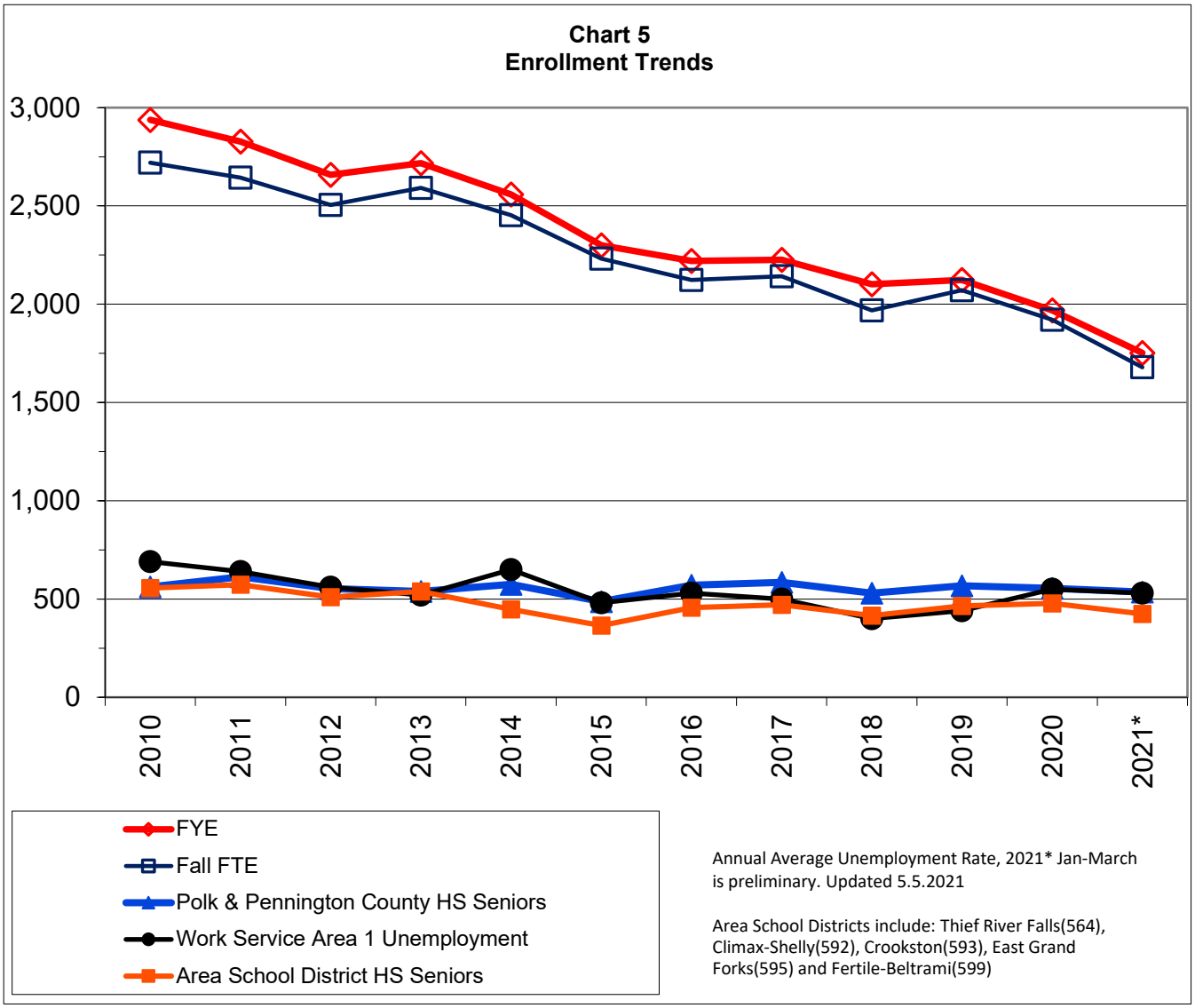
Table 3
Full-time/Part-time - 30th Day - Fall Terms

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Part-time	2,137	61%	2,019	61%	2,041	60%	**1,916**	**60%**	**1,091**	**39%**
Full-time	1,380	39%	1,273	39%	1,380	40%	**1,273**	**40%**	**1,723**	**61%**
Total	**3,517**		**3,292**		**3,421**		**3,189**		**2,814**	

Source: MinnState ISRS Operational Data, ST_Term_Data, 30th Day Enrollment

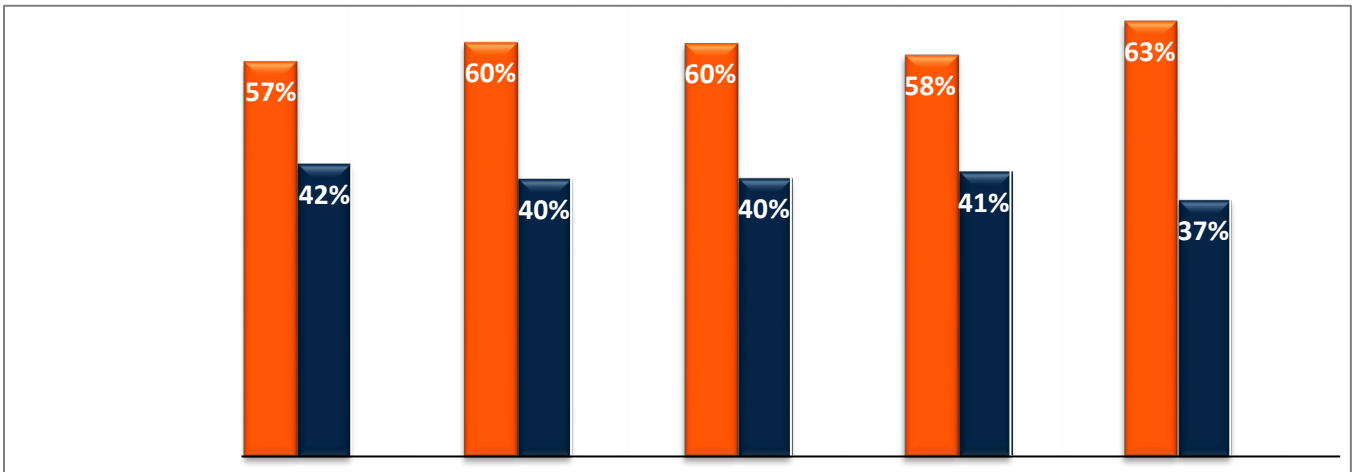


Source: MinnState ISRS Operational Data, ST_Term_Data, 30th Day Enrollment



Student Demographic and Academic Profile

Chart 6 - Gender Distribution



	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Female	57%	60%	60%	58%	63%
Male	42%	40%	40%	41%	37%
Female Count	2,003	1,965	2,037	1,846	1,767
Male Count	1,482	1,316	1,371	1,309	1,040

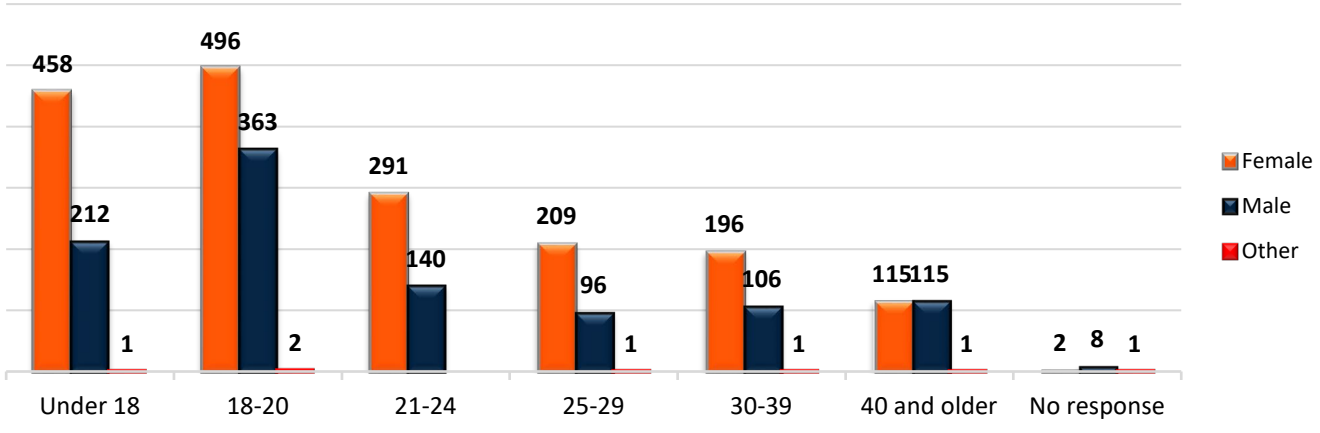
Source: MinnState ISRS Operational Data, ST_Term_Data, 30th Day Enrollment

Table 4
Age Groups

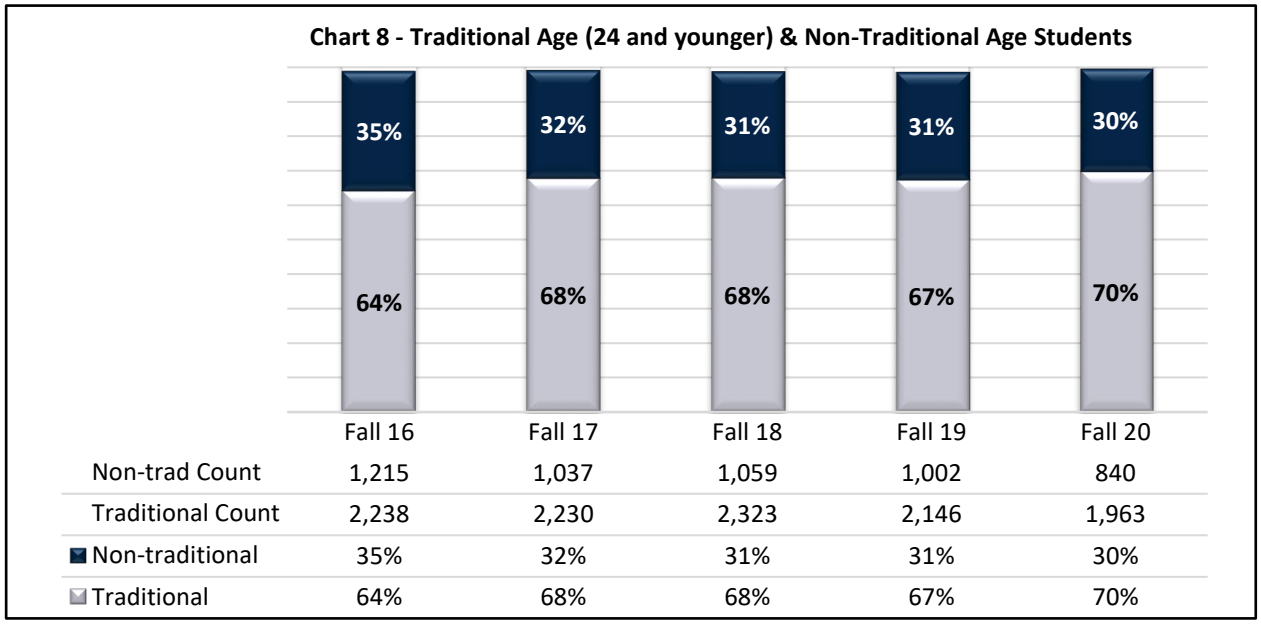
	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Under 18	603	17%	640	19%	731	21%	**674**	**21%**	**671**	**24%**
18-20	1,045	30%	978	30%	986	29%	**972**	**30%**	**861**	**31%**
21-24	694	20%	612	19%	606	18%	**500**	**16%**	**431**	**15%**
25-29	420	12%	383	12%	347	10%	**329**	**10%**	**306**	**11%**
30-39	396	11%	352	11%	386	11%	**366**	**11%**	**303**	**11%**
40 and older	323	9%	302	9%	326	10%	**307**	**10%**	**231**	**8%**
No response	36	1%	25	1%	39	1%	**41**	**1%**	**11**	**0%**
Total	**3,517**		**3,292**		**3,421**		**3,189**		**2,814**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021

Chart 7
Gender by Age Group - Fall 2020

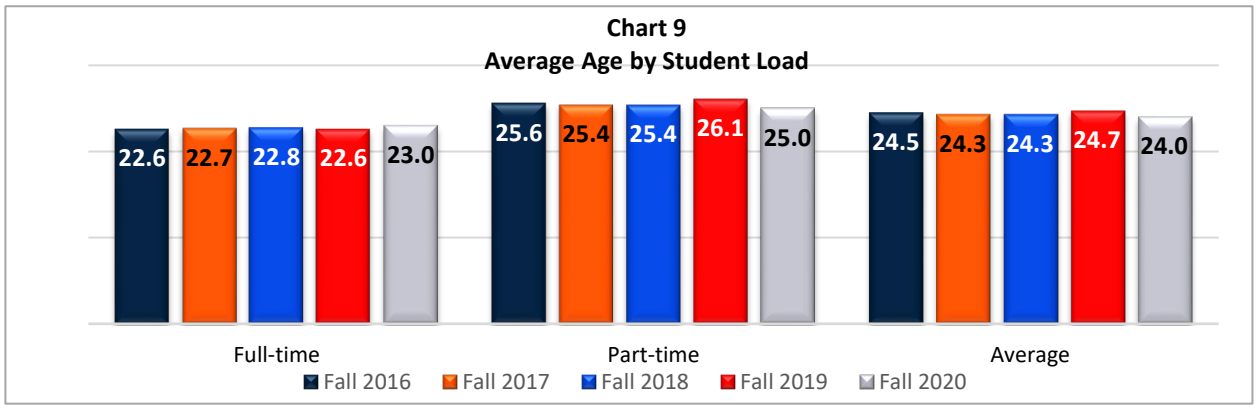


Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021

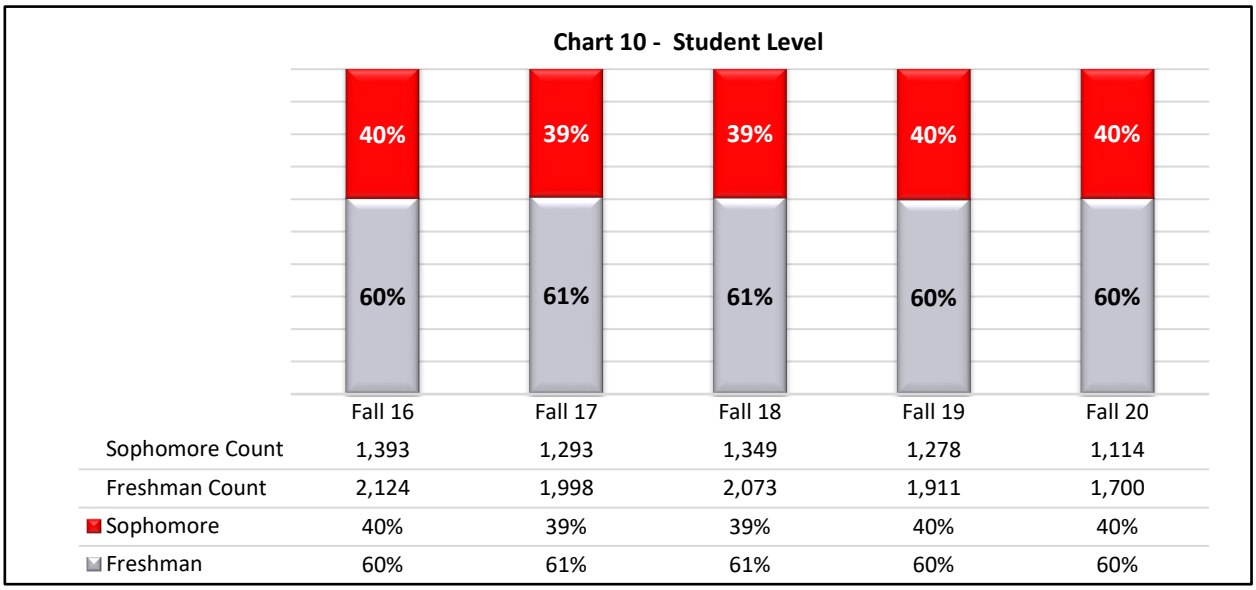


	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Non-trad Count	1,215	1,037	1,059	1,002	840
Traditional Count	2,238	2,230	2,323	2,146	1,963
Non-traditional	35%	32%	31%	31%	30%
Traditional	64%	68%	68%	67%	70%

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021



Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 5.5.2021



	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Sophomore Count	1,393	1,293	1,349	1,278	1,114
Freshman Count	2,124	1,998	2,073	1,911	1,700
Sophomore	40%	39%	39%	40%	40%
Freshman	60%	61%	61%	60%	60%

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021

Table 5
Race/Ethnicity

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
African American/	261	7%	252	8%	236	7%	259	8%	**161**	**6%**
Native American / Alaskan Native	68	2%	68	2%	60	2%	56	2%	**40**	**1%**
Asian	49	1%	36	1%	47	1%	43	1%	**54**	**2%**
Hispanic	151	4%	148	4%	166	5%	147	5%	**133**	**5%**
Two-Plus	129	4%	128	4%	143	4%	123	4%	**106**	**4%**
White	2,751	78%	2,572	78%	2,701	79%	2,466	77%	**2,181**	**78%**
Unknown	108	3%	88	3%	68	2%	95	3%	**139**	**5%**
Total	**3,517**		**3,292**		**3,421**		**3,189**		**2,814**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 5.12.20 IPEDS Student declared at enrollment

Chart 11
Students of Color Headcount

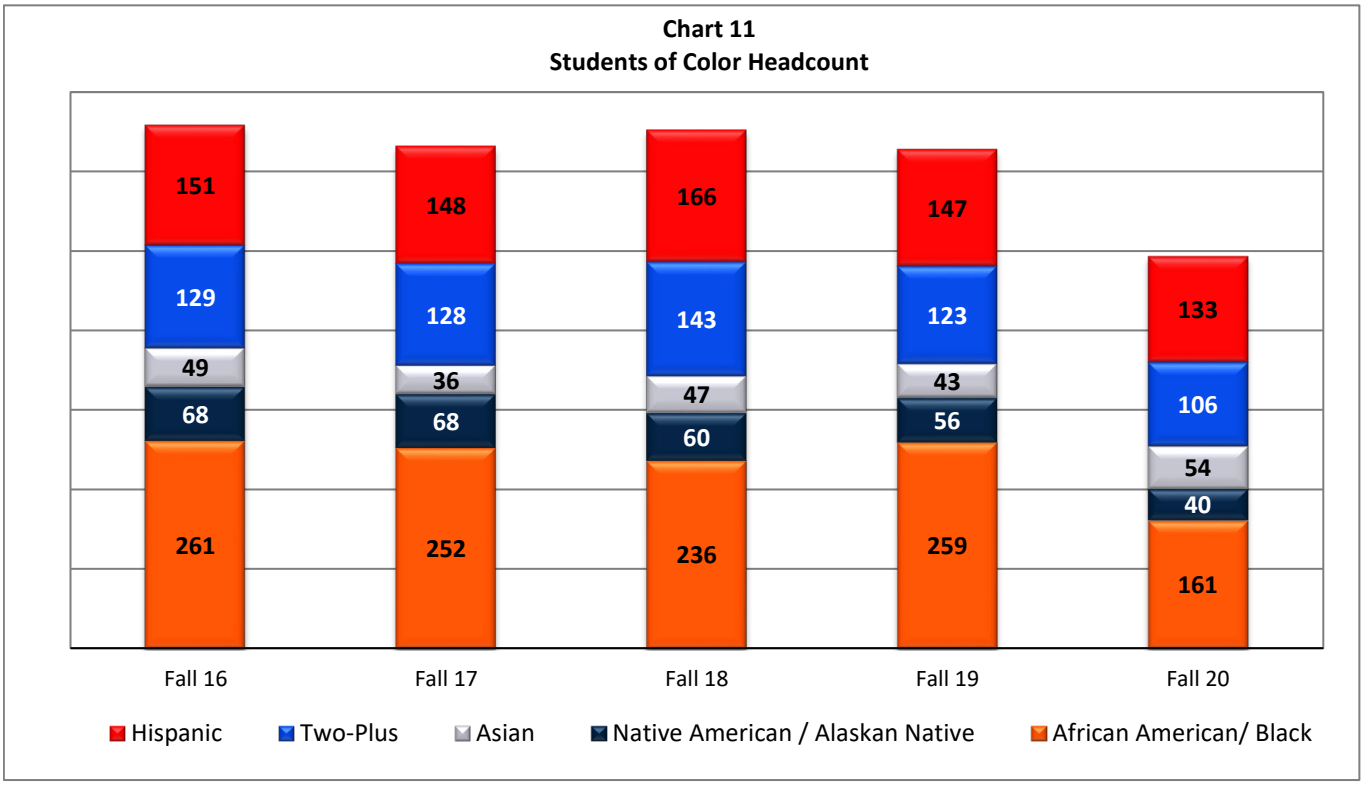


Table 6
Race/Ethnicity of New* Students

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
African American	141	9%	120	8%	108	7%	135	10%	**46**	**4%**
Native American / Alaskan Native	32	2%	32	2%	22	1%	26	2%	**15**	**1%**
Asian	12	1%	16	1%	27	2%	18		**20**	
Hispanic	72	5%	72	5%	85	6%	55		**62**	
Two-Plus	55	4%	61	4%	65	4%	53	4%	**44**	**4%**
White	1,190	76%	1,096	76%	1,175	78%	1,056	75%	**896**	**76%**
Unknown	57	4%	42	3%	30	2%	57	4%	**99**	**8%**
Total	**1,559**		**1,439**		**1,512**		**1,400**		**1,182**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021 IPEDS Student declared at enrollment

*New student in the summer or fall.

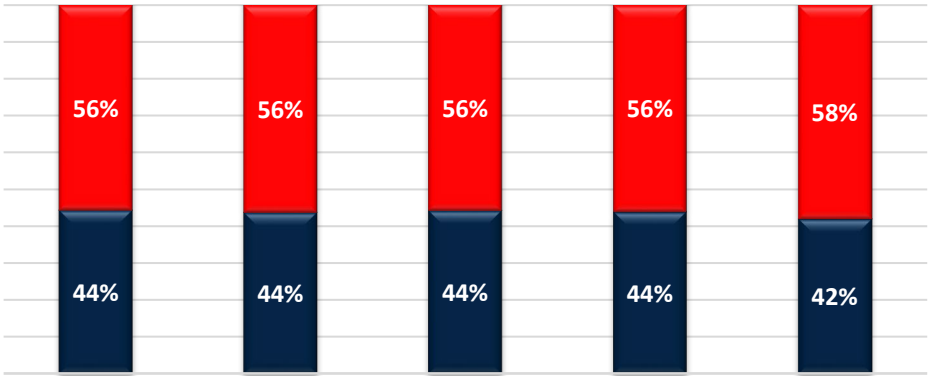
Table 7
New/Continuing Students by Full/Part-time Status - Fall 2020

	Part-time		Full-time		Total	
	Count	Percent	Count	Percent	Count	Percent
New*	769	45%	413	38%	**1,182**	**42%**
Continuing	954	55%	678	62%	**1,632**	**58%**
Total	**1,723**		**1,091**		**2,814**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021

*New student in the summer or fall.

Chart 12 - New* and Continuing Students



	Fall 16	Fall 17	Fall 18	Fall 19	Fall 20
Continuing Count	1,958	1,852	1,909	1,789	1,632
New Count	1,559	1,439	1,513	1,400	1,182
Return	56%	56%	56%	56%	58%
New*	44%	44%	44%	44%	42%

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 5.12.20

Table 8
New/Returning Students by Admission Status

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
New* Students										
Undergrad Regular	535	34%	444	31%	467	31%	**425**	**30%**	**396**	**34%**
Undergrad Transfer	346	22%	305	21%	281	19%	**307**	**22%**	**163**	**14%**
PSEO Regular	322	21%	357	25%	379	25%	**331**	**24%**	**368**	**31%**
Undergrad Unclassified	356	23%	333	23%	386	26%	**337**	**24%**	**255**	**22%**
Total New	**1,559**		**1,439**		**1,513**		**1,400**		**1,182**	
Returning Students										
Undergrad Regular	606	31%	579	31%	592	31%	**568**	**32%**	**516**	**32%**
Undergrad Transfer	836	43%	808	44%	825	43%	**709**	**40%**	**707**	**43%**
PSEO Regular	204	10%	196	11%	228	12%	**247**	**14%**	**238**	**15%**
Undergrad Unclassified	312	16%	270	15%	263	14%	**265**	**15%**	**171**	**10%**
Total Returning	**1,958**		**1,853**		**1,908**		**1,789**		**1,632**	
Total All	**3,517**		**3,292**		**3,421**		**3,189**		**2,814**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 3.12.2021

*New student in the summer or fall.

Chart 13
New* Students by Admission Status

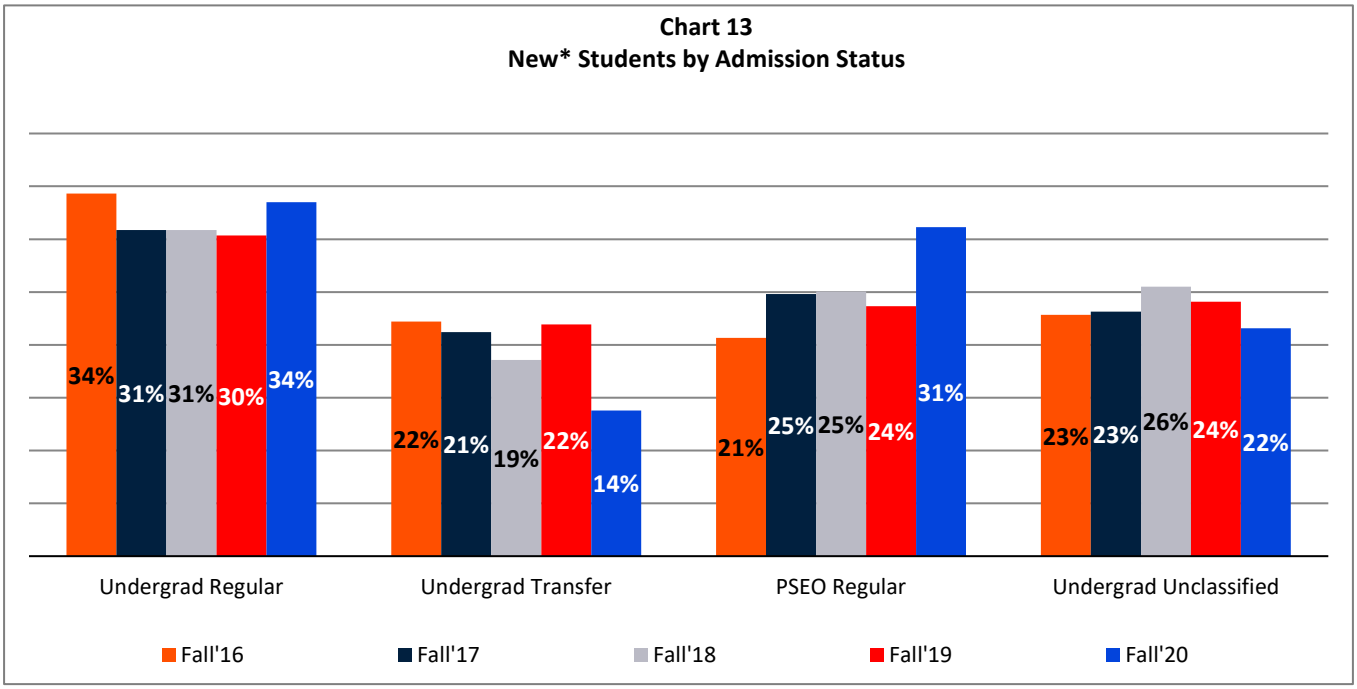


Table 9
County of Residence

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Anoka	5	0%	9	0%	5	0%	1	0%	**3**	**0%**
Becker	35	1%	12	0%	16	0%	18	1%	**17**	**1%**
Beltrami	55	2%	27	1%	35	1%	20	1%	**15**	**1%**
Cass	6	0%	1	0%	3	0%	2	0%	**1**	**0%**
Chippewa	2	0%	1	0%	1	0%			**12**	**0%**
Clay	34	1%	42	1%	40	1%	41	1%	**30**	**1%**
Clearwater	36	1%	40	1%	35	1%	50	2%	**52**	**2%**
Crow Wing	4	0%	7	0%	3	0%	1	0%	**3**	**0%**
Dakota	14	0%	13	0%	7	0%	7	0%	**4**	**0%**
Douglas	5	0%	3	0%	1	0%	2	0%	**2**	**0%**
Hennepin	18	1%	21	1%	25	1%	16	1%	**8**	**0%**
Hubbard	14	0%	15	0%	29	1%	3	0%	**4**	**0%**
Itasca	11	0%	6	0%	6	0%	5	0%	**3**	**0%**
Kittson	61	2%	39	1%	30	1%	24	1%	**34**	**1%**
Koochiching	8	0%	6	0%	5	0%	2	0%		**0%**
Lake of the Woods	9	0%	8	0%	6	0%	3	0%	**7**	**0%**
Mahnomen	45	1%	40	1%	44	1%	47	1%	**30**	**1%**
Marshall	187	5%	155	5%	142	4%	138	4%	**161**	**6%**
Norman	38	1%	34	1%	40	1%	42	1%	**27**	**1%**
Otter Tail	31	1%	8	0%	12	0%	17	1%	**10**	**0%**
Pennington	306	9%	252	8%	253	7%	237	7%	**216**	**8%**
Polk	448	13%	400	12%	433	13%	443	14%	**393**	**14%**
Ramsey	11	0%	1	0%	4	0%	3	0%	**1**	**0%**
Red Lake	66	2%	47	1%	38	1%	42	1%	**49**	**2%**
Roseau	155	4%	141	4%	129	4%	125	4%	**112**	**4%**
St. Louis	8	0%	8	0%	5	0%	5	0%	**2**	**0%**
Stearns	5	0%	6	0%	8	0%	4	0%	**3**	**0%**
Wadena	2	0%	3	0%	3	0%	1	0%	**1**	**0%**
Washington	5	0%	1	0%	3	0%	1	0%		**0%**
Wilkin	13	0%	4	0%	2	0%	6	0%	**1**	**0%**
Wright	7	0%	3	0%	4	0%	3	0%	**2**	**0%**
Other MN*	43	1%	38	1%	37	1%	34	1%	**36**	**1%**
North Dakota	945	27%	868	26%	861	25%	813	25%	**746**	**27%**
Florida	52	1%	41	1%	33	1%	34	1%	**14**	**0%**
Other Out of State	177	5%	180	5%	141	4%	116	4%	**77**	**3%**
Unknown (MN)	131	4%	284	9%	368	11%	338	11%	**352**	**13%**
Unknown	525	4%	528	16%	614	18%	545	17%	**386**	**14%**
Total	**3,517**		**3,292**		**3,421**		**3,189**		**2,814**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 5.5.2021 *Order descending by Fall'20 enrollment*

2015 "Other" includes 33 counties
2016 "Other" includes 30 counties
2017 "Other" includes 34 counties
2018 "Other" includes 32 counties
2019 "Other" includes 25 counties 2020 "Other" includes 21 counties

Table 10

High School Attended of New* Students

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Lincoln Sr. High School	117	8%	118	8%	105	7%	104	7%	**110**	**9%**
EGF Senior High Schoo	88	6%	75	5%	114	8%	92	7%	**82**	**7%**
Stephen-Argyle Centra	39	3%	13	1%	31	2%	9	1%	**36**	**3%**
Fertile-Beltrami High S	28	2%	21	1%	34	2%	26	2%	**33**	**3%**
Greenbush Middle Rive	25	2%	22	2%	24	2%	23	2%	**25**	**2%**
Sacred Heart High Scho	12	1%	12	1%	15	1%	18	1%	**24**	**2%**
Marshall County Centra	32	2%	15	1%	15	1%	14	1%	**23**	**2%**
Roseau High School	20	1%	27	2%	38	3%	37	3%	**21**	**2%**
Bagley High School	24	2%	21	1%	21	1%	19	1%	**20**	**2%**
Warren-Alvarado-Oslo	17	1%	20	1%	18	1%	23	2%	**20**	**2%**
Fosston High School	21	1%	34	2%	33	2%	40	3%	**18**	**2%**
Lafayette High School	17	1%	11	1%	15	1%	12	1%	**17**	**1%**
Red Lake County Centr	6	0%	15	1%	19	1%	12	1%	**17**	**1%**
Goodhue Secondary Sc	5	0%	11	1%	13	1%	8	1%	**16**	**1%**
Crookston High School	20	1%	23	2%	23	2%	23	2%	**13**	**1%**
Alexandria Area High S	14	1%	8	1%	11	1%	10	1%	**12**	**1%**
Tri-County High School	12	1%	6	0%	8	1%	6	0%	**11**	**1%**
Winn-E-Mac High Scho	15	1%	18	1%	17	1%	27	2%	**11**	**1%**
Lake of the Woods HS	8	1%	4	0%	5	0%	1	0%	**10**	**1%**
Osakis High School	10	1%	5	0%	9	1%	14	1%	**10**	**1%**
Waubun High School	7	0%	13	1%	7	0%	10	1%	**10**	**1%**
Clearbrook-Gonvick HS	8	1%	17	1%	15	1%	16	1%	**9**	**1%**
Ada-Borup High School	4	0%	8	1%	13	1%	11	1%	**8**	**1%**
Bemidji High School	11	1%	11	1%	13	1%	9	1%	**8**	**1%**
Climax-Shelly School	2	0%	1	0%	4	0%	7	1%	**8**	**1%**
Fisher High School	13	1%	8	1%	9	1%	6	0%	**8**	**1%**
Brainerd Sr. High Schoo	5	0%	3	0%	4	0%	5	0%	**7**	**1%**
Goodridge High School	5	0%	10	1%	9	1%	6	0%	**7**	**1%**
Warroad High School	13	1%	9	1%	7	0%	10	1%	**7**	**1%**
Badger High School	7	0%	7	0%	7	0%	9	1%	**6**	**1%**
Brandon-Evansville Hig	11	1%	6	0%	7	0%	12	1%	**6**	**1%**
Detroit Lakes High Scho	3	0%	1	0%	2	0%			**5**	**0%**
Frazee High School	2	0%	4	0%	20	1%	19	1%	**5**	**0%**
Grygla School	12	1%	7	0%	8	1%	6	0%	**5**	**0%**
Hawley High School	9	1%	9	1%	3	0%	7	1%	**4**	**0%**
Kelliher Public School	3	0%	5	0%	5	0%	2	0%	**4**	**0%**
Lancaster High School	6	0%	7	0%	7	0%	2	0%	**4**	**0%**
Moorhead High School	7	0%	3	0%	3	0%	5	0%	**4**	**0%**
Falls High School	6	0%	4	0%	1	0%	1	0%	**3**	**0%**
Grand Rapids High Sch	5	0%	2	0%	7	0%	3	0%	**3**	**0%**
Kittson Central High Sc	3	0%	1	0%	2	0%	2	0%	**3**	**0%**
Little Falls Community	1	0%	1	0%	3	0%	2	0%	**3**	**0%**
Mahnomen High Schoo	7	0%	13	1%	13	1%	19	1%	**3**	**0%**
Belgrade-Brooten-Elros	1	0%			7	0%	4	0%	**2**	**0%**
Blackduck Secondary	5	0%	5	0%	8	1%	2	0%	**2**	**0%**
Clinton-Graceville-Bear	9	1%	4	0%	5	0%	8	1%	**2**	**0%**
Minnewaska Area HS	3	0%	3	0%	4	0%	2	0%	**2**	**0%**
Underwood School			4	0%	5	0%	10	1%	**2**	**0%**
Norman County East H	9	1%	7	0%	6	0%	7	1%	**1**	**0%**
Norman County West H	9	1%	5	0%	1	0%	1	0%	**1**	**0%**
Park Rapids Area HS	38	2%	28	2%	26	2%	1	0%	**1**	**0%**
Other MN*	199	13%	185	13%	215	14%	205	15%	**167**	**14%**
Unknown	5	0%	6	0%	9	1%	21	2%	**63**	**5%**
Other - International	41	3%	50	3%	29	2%	31			
Other - GED	31	2%	33	2%	42	3%	19	1%		
Other-Home School	19	1%	20	1%	24	2%	18	1%		
Other States	228	15%	211	15%	167	11%	153	11%	**81**	**7%**
North Dakota	282	18%	249	17%	228	15%	231	17%	**199**	**17%**
Total	**1,559**		**1,439**		**1,513**		**1,400**		**1,182**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 5.5.2021 *New summer or fall.

2019 "Other MN" includes 112 schools 2020 "Other MN" includes 92 schools *Order descending by Fall'20 enrollment.*

Table 11
Financial Aid Comparison

		Gift Aid	Loans	Work Study
	Northland CTC (FY20)	**42%**	**55%**	**3%**
	Northland CTC (FY19)	43%	55%	2%
	Northland CTC (FY18)	40%	57%	2%
Fiscal Year 19	MinnState 2 yr	50%	47%	4%
	MinnState 4 yr	45%	52%	3%
	University of MN	58%	39%	2%
	Private 4 yr (Not for Profit)	81%	16%	3%
	Private For-Profit Schools	34%	66%	1%
	All MN Institutions	67%	30%	3%

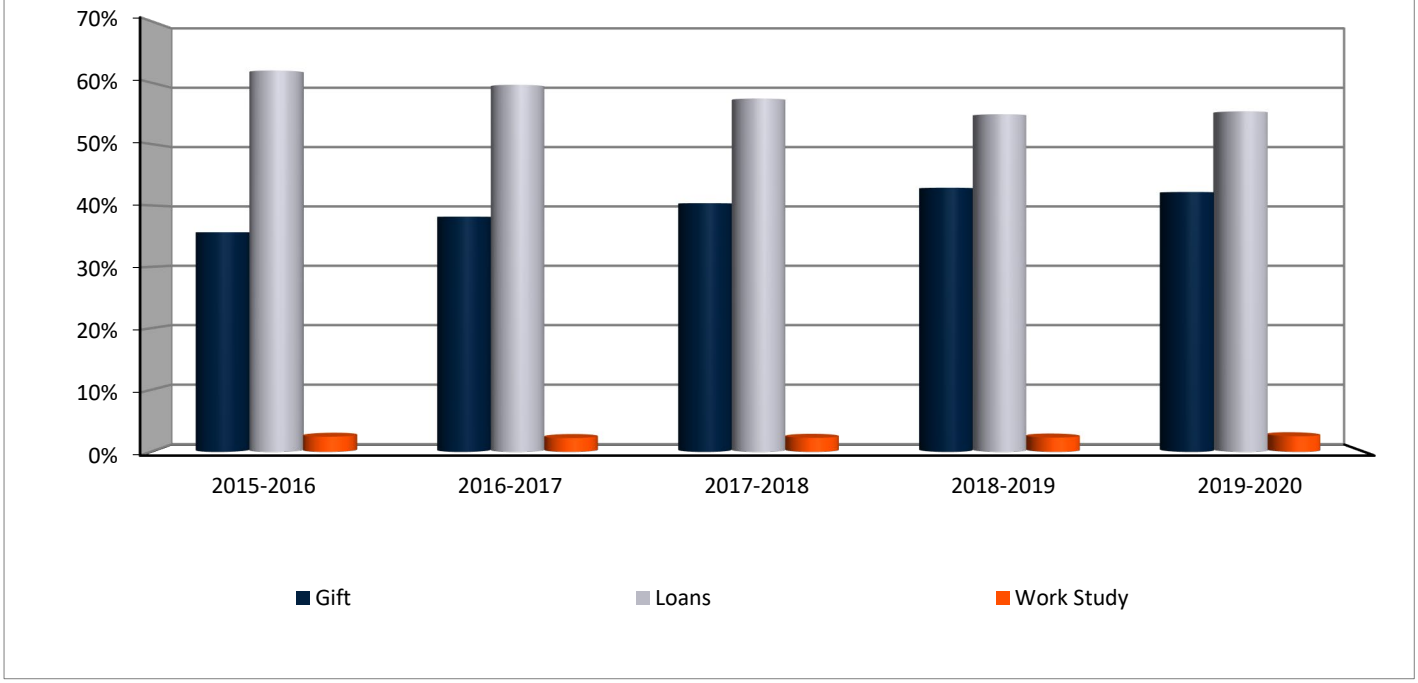
Source: MN Office of Higher Ed/Research, Data & Reports/Financial Aid Data/ 4.15.2021

Table 12
Students Receiving Financial Aid

	2015-2016		2016-2017		2017-2018		2018-2019		2019-2020	
	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent	Amount	Percent
Gift	6,020,153	36%	6,557,572	38%	6,484,859	40%	**6,681,448**	**43%**	**5,824,054**	**42%**
Loans	10,464,669	62%	10,240,227	60%	9,219,632	57%	**8,544,481**	**55%**	**7,635,081**	**55%**
Work Study	414,732	2%	384,610	2%	365,354	2%	**362,066**	**2%**	**350,553**	**3%**
Total $	**16,899,554**		**17,182,409**		**16,069,845**		**15,587,995**		**13,809,688**	

Source: College Financial Aid Data, 5.6.2021

Chart 14
Financial Aid Trends



Academic Progress and Degrees Earned

Table 13
Discipline Summary by FYE - 5 Year Comparison

Subject	Discipline Description	FY 2017	FY 2018	FY 2019	FY 2020	FY 2021*	FY 2021 FYE %	5 Yr Diff.	5 Yr Diff. %
ACCT	Accounting	20.1	20.7	20.9	17.5	13.1	1%	**-7.0**	**-35%**
ADMM	Medical Admin Secretary	12.7	16.8	17.2	15.3	16.7	1%	**4.0**	**31%**
ADMS	Administrative Secretary	17.8	16.6	16.5	13.6	15.0	1%	**-2.8**	**-16%**
AGRG	General Agriculture		8.5	12.9	10.5	14.4	1%	**0.0**	**0%**
AGRI	Farm Operations Managem	24.1	17.0	14.6	9.4	5.0	0%	**-19.1**	**-79%**
ANSC	Animal Science			3.2	2.0	2.5	0%	**0.0**	**0%**
ANTH	Anthropology	22.0	21.7	24.0	22.6	14.9	1%	**-7.1**	**-32%**
ARCH	Architectural Technology	29.4	29.7	21.9	22.4	22.0	1%	**-7.4**	**-25%**
ART/ARTS	Art	22.8	25.5	23.1	21.6	17.1	1%	**-5.7**	**-25%**
AUBO	Auto Body Collision Techno	20.5	21.2	13.6	12.1	15.0	1%	**-5.5**	**-27%**
AUMO	Automotive Service Tech	30.2	22.9	17.6	17.0	8.2	0%	**-22.0**	**-73%**
AVET	Aviation Electronics Tech	3.6	3.7	2.8	1.5	0.6	0%	**-3.0**	**-83%**
AVIA	Aviation Maintenance Tech	58.4	57.9	51.4	37.1	34.0	2%	**-24.4**	**-42%**
BIOL	Biology	236.1	225.1	240.0	204.4	218.6	12%	**-17.5**	**-7%**
BLDG	Building Technology	6.2	5.4	4.1	5.9	5.8	0%	**-0.4**	**-6%**
BUS/BUSI	Business	33.5	32.1	32.5	37.0	37.4	2%	**3.9**	**12%**
CARP	Carpentry	9.1	7.3	8.1	11.7	9.7	1%	**0.6**	**7%**
CDEV	Early Childhood and Parapr	27.2	26.6	25.1	21.0	22.5	1%	**-4.7**	**-17%**
CHEM	Chemistry	35.4	35.9	39.9	34.4	32.9	2%	**-2.5**	**-7%**
CMAE	360 Programs/Ctr. Mfg/Mfg	4.1	2.0	1.5	1.2	2.0	0%	**-2.1**	**-51%**
CONE	Construction Electricity	44.4	39.7	47.9	49.1	43.7	2%	**-0.7**	**-2%**
CPTR	Computer Network Tech	56.3	53.1	52.5	54.2	45.7	3%	**-10.6**	**-19%**
CRJU	Criminal Justice - Law Enfor	27.9	32.9	36.1	31.5	20.3	1%	**-7.6**	**-27%**
CRLT	Career Related Topics	3.4	3.7	4.0	3.5	3.6	0%	**0.2**	**6%**
CVOP	Commercial Vehicle Oper	9.4	7.7	4.2			0%	**-9.4**	**-100%**
DIET	Dietetic Technician	0.6	6.1	6.9	6.5	5.7	0%	**5.1**	**850%**
ECON	Economics	21.8	23.8	27.7	27.0	26.8	2%	**5.0**	**23%**
EDUC	Education	0.9	1.0		0.8		0%	**-0.9**	**-100%**
ELTR	CTCE-Electronics Tech	11.9	8.6	9.6	9.2	4.1	0%	**-7.8**	**-66%**
EMTB	Emergency Medical Tech	8.8	7.4	7.2	5.2	2.8	0%	**-6.0**	**-68%**
EMTP	Paramedicine	12.9	10.4	11.4	4.2	4.8	0%	**-8.1**	**-63%**
ENGL	English	177.4	173.5	168.7	171.2	112.9	6%	**-64.5**	**-36%**
ETAS	Electronics Technology	16.6	15.7	14.7	15.3	9.3	1%	**-7.3**	**-44%**
FBMT	Farm Business Managemen	99.9	102.4	105.8	104.8	94.8	5%	**-5.1**	**-5%**
FIRE	Fire Technology	17.4	16.3	16.6	10.8	11.0	1%	**-6.4**	**-37%**
FYEC	Pathways to Success	8.0	7.4	6.6	8.3	7.2	0%	**-0.8**	**-10%**
GEOG	Geography	0.5					0%	**-0.5**	**-100%**
GINT	Geospatial Intelligence Ana	0.8	0.7	0.3	0.4	0.3	0%	**-0.5**	**-63%**
GTEC	General Courses/Technolog	0.2	0.4	0.8	0.7		0%	**-0.2**	**-100%**
HEAT	HVAC - Heating, Ventilation	11.2	16.4	10.0	15.2	12.8	1%	**1.6**	**14%**
HIST	History	30.2	26.5	19.7	24.2	25.4	1%	**-4.8**	**-16%**
HLTH	Health Education	55.5	61.7	62.7	61.7	52.5	3%	**-3.0**	**-5%**
HPER	Health, Physical Education,	26.4	24.4	22.2	18.5	10.1	1%	**-16.3**	**-62%**
HUM/HU	Humanities	8.5	5.9	8.9	8.2	7.7	0%	**-0.8**	**-9%**
IMAG	Imagery Analyst	1.4		1.9	2.5	2.8	0%	**1.4**	**100%**
ITEC	Information Technology	0.2	0.5				0%	**-0.2**	**-100%**
JOUR	Journalism	0.8		1.5	0.7		0%	**-0.8**	**-100%**

....continued.....

Subject	Discipline Description	FY 2017	FY 2018	FY 2019	FY 2020*	FY 2021*	FY 2021 FYE %	5 Yr Diff.	5 Yr Diff. %
LENF	Law Enforcement		1.0				0%	**0.0**	**0%**
MANF	CTCE-Manufacturing	0.3					0%	**-0.3**	**-100%**
MATH	Mathematics	165.0	148.8	144.7	131.9	115.5	7%	**-49.5**	**-30%**
MAPT/MF	Manufacturing Process T		1.3	2.8	0.1	2.3	0%	**0.0**	**0%**
MKTG	Sales, Marketing, Manage	40.5	32.5	35.9	35.7	27.4	2%	**-13.1**	**-32%**
MUSC	Music	28.1	21.8	22.1	16.0	15.2	1%	**-12.9**	**-46%**
NSCI	Natural Science	12.5	8.0	9.3	9.3	9.7	1%	**-2.8**	**-22%**
NURS	Nursing - Registered	61.7	56.8	61.5	58.9	53.4	3%	**-8.3**	**-13%**
OTAC	Occupational Therapy Asst	28.1	24.3	19.9	18.1	23.1	1%	**-5.0**	**-18%**
PAET	Precision Agriculture Equip	4.5	5.4	4.8	3.5	2.0	0%	**-2.5**	**-56%**
PHIL	Philosophy	73.6	76.1	76.1	77.4	60.9	3%	**-12.7**	**-17%**
PHLB	Phlebotomy	1.6	2.0	2.2	1.3	1.6	0%	**0.0**	**0%**
PHRM	Pharmacy Technology	10.6	5.8	5.2	5.5	4.4	0%	**-6.2**	**-58%**
PHYS	Physics	4.8	4.7	3.2	2.1	1.9	0%	**-2.9**	**-60%**
PLBG	Plumbing Technology	9.0	4.2	5.6	4.9	8.4	0%	**-0.6**	**-7%**
PLSC/POL	Political Science	13.3	12.5	9.1	7.9	11.7	1%	**-1.6**	**-12%**
PNSG	Practical Nursing	164.0	133.5	126.3	113.2	124.9	7%	**-39.1**	**-24%**
PSYC	Psychology	64.5	64.3	79.5	68.1	56.6	3%	**-7.9**	**-12%**
PTAS	Physical Therapist Asst	28.0	24.8	25.4	24.2	21.9	1%	**-6.1**	**-22%**
RADT	Radiologic Technology	32.1	31.3	28.3	30.2	32.1	2%	**0.0**	**0%**
RESP	Respiratory Care Therapist	15.8	14.6	15.1	13.8	11.6	1%	**-4.2**	**-27%**
SOC/SOCI	Sociology	62.4	51.2	62.0	62.5	47.3	3%	**-15.1**	**-24%**
SOCS	Social Sciences	1.7	1.4	3.2	1.0		1%	**-1.7**	**-100%**
SPAN	Spanish	4.4	13.2	13.5	13.9	13.7	3%	**9.3**	**211%**
SPCH	Speech	56.5	63.3	68.5	57.9	48.7	1%	**-7.8**	**-14%**
SSCI	General Courses	13.9	15.5	11.3	13.6	15.1	0%	**1.2**	**9%**
SUPL	Supervisory Management	2.5	2.2	3.2	1.5		1%	**-2.5**	**-100%**
SURT	Surgical Technology	18.4	12.8	11.8	12.4	17.7	1%	**-0.7**	**-4%**
SWK	Consortium-UND		0.1						
SYG	Consortium-Valencia	0.1					0%	**-0.1**	**-100%**
THTR	Theater	1.7	1.7	1.9	2.7		0%	**-1.7**	**-100%**
UAST	Unmanned Aerial System	6.0	4.5	6.4	2.6	0.7	0%	**-5.3**	**-88%**
WELD	Welding Technology	34.4	19.3	25.9	25.6	12.1	1%	**-22.3**	**-65%**
Total		**2,226.5**	**2,101.7**	**2,123.5**	**1,967.7**	**1,751.6**		**-474.9**	**-21%**

Source: MinnState ISRS Operational Data, ST06-Students by Course, SUBJ, 5.5.2021 **FYE=Student Full Year Equivalent** *FY2021 preliminary 3.12.2021

Table 14

Fall Majors Headcount by CIP Code - 5 Year Comparison

CIP	Major/CIP Code Descrip.	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	% Change from '19	5 Yr Diff.	5 Yr Diff.
513901	Licensed Practical /Voo	426	407	373	408	416	2%	**-10.0**	**-2%**
240101	Liberal Arts and Sciences	556	488	507	413	327	-21%	**-229.0**	**-41%**
513801	Registered Nursing	187	168	153	155	154	-1%	**-33.0**	**-18%**
010104	Farm/Farm and Ranch M	220	177	216	201	127	-37%	**-93.0**	**-42%**
520101	Business/Commerce		97	111	103	89	-14%	**0.0**	**0%**
510911	Radiologic Technology	85	80	77	69	69	0%	**-16.0**	**-19%**
110901	Computer Systems Netw	56	41	57	57	61	7%	**5.0**	**9%**
131501	Teacher Assistant/Aid	62	66	57	59	45	-24%	**-17.0**	**-27%**
521801	Sales, Distribution,	56	48	47	44	43	-2%	**-13.0**	**-23%**
460302	Electrician	44	39	43	45	41	-9%	**-3.0**	**-7%**
151204	Computer Software Tec				19	20	5%	**0.0**	**0%**
510803	Occupational Therapis	44	43	39	28	41	46%	**-3.0**	**-7%**
510806	Physical Therapy Tech	56	49	47	43	39	-9%	**-17.0**	**-30%**
430107	Criminal Justice/Poli	56	60	61	61	38	-38%	**-18.0**	**-32%**
510909	Surgical Technology	27	31	27	36	36	0%	**9.0**	**33%**
520302	Accounting Technology	37	30	27	29	30	3%	**-7.0**	**-19%**
430104	Criminal Justice/Safe					38	0%	**0.0**	**0%**
240102	General Studies	170	255	520	499	29	-94%	**-141.0**	**-83%**
470607	Airframe Mechanics an	38	42	40	29	28	-3%	**-10.0**	**-26%**
510713	Medical Insurance Coding	20	21	29	25	27	8%	**7.0**	**35%**
521909	Special Products Mark	10	7	6	8	25	213%	**15.0**	**150%**
513103	Diatetic Technician	7	20	25	22	23	5%	**16.0**	**229%**
151303	Architectural Drafting	33	32	22	23	20	-13%	**-13.0**	**-39%**
430201	Fire Prevention and S	15	18	25	21	20	-5%	**5.0**	**33%**
510908	Respiratory Care Therapy	30	27	20	26	18	-31%	**-12.0**	**-40%**
470201	Heating, Air Conditioning	14	18	13	17	16	-6%	**2.0**	**14%**
520401	Administrative Assist	16	11	11	14	15	7%	**-1.0**	**-6%**
470603	Autobody/Collision	21	23	14	13	14	8%	**-7.0**	**-33%**
150406	Automation Engineer T	25	20	20	19	13	-32%	**-12.0**	**-48%**
510904	Emergency Medical Tec	40	28	32	15	13	-13%	**-27.0**	**-68%**
460201	Carpentry/Carpenter	10	7	9	13	12	-8%	**2.0**	**20%**
470604	Automobile/Automotive	33	32	21	19	11	-42%	**-22.0**	**-67%**
480508	Welding Technology/We	33	21	25	29	11	-62%	**-22.0**	**-67%**
510000	Health Services/Allied	30	22	23	19	11	-42%	**-19.0**	**-63%**
510805	Pharmacy Technician/A	27	11	10	14	11	-21%	**-16.0**	**-59%**
010901	Animal Sciences, General			9	4	10	150%	**0.0**	**0%**
520204	Office Management and	8	8	9	14	10	-29%	**2.0**	**25%**
150613	Manufacturing Engineering	23	19	13	7	8	14%	**-15.0**	**-65%**
460503	Plumbing Technology/P	9	4	7	6	8	33%	**-1.0**	**-11%**
510716	Medical Administrative	14	14	9	9	8	-11%	**-6.0**	**-43%**
010103	Agricultural, General/Economi	14	13	7	5	6	20%	**-8.0**	**-57%**
290203	Signal/Geospatial Int	6	1	5	2	6	200%	**0.0**	**0%**
510710	Medical Office Assist	4	5	13	11	5	-55%	**1.0**	**25%**
511009	Phlebotomy Technician	4	7	4	3	5	67%	**1.0**	**25%**
010205	Agricultural Mechanic	9	9	7	6	2	-67%	**-7.0**	**-78%**
131301	Agricultural Teacher			1	2	1	-50%	**0.0**	**0%**
513902	Nursing Assistant/Aid	1	1	1		1	0%	**0.0**	**0%**
111006	Computer Support Spec	2	2					**-2.0**	**-100%**
151302	CAD/CADD Drafting and				1			**0.0**	**0%**
430203	Fire Science/Fire-fig	3	2	1	2			**-3.0**	**-100%**
439999	Homeland Security, La	2	2					**-2.0**	**-100%**
470609	Avionics Maintenance	14	1		2			**-14.0**	**-100%**
470699	Vehicle Maintenance a	2	2	2				**-2.0**	**-100%**
490205	Truck and Bus Driver/	6	9	7				**-6.0**	**-100%**
512601	Health Aide	386	326					**-386.0**	**-100%**
520201	Business Administration	111						**-111.0**	**-100%**
520207	Customer Service Mana	1		1	1			**-1.0**	**-100%**
520701	Entrepreneurship/Entr						0%	**0.0**	**0%**
	Unknown/Blank	414	428	618	519	813	57%	**399.0**	**96%**
Total		**3,517**	**3,292**	**3,421**	**3,189**	**2,814**	**-12%**	**-703.0**	**-20%**

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data, 5.5.2021

Sorted by Fall 2020 Headcount - Descending Order

Table 15

Fall Majors FYE by CIP Code - 5 Year Comparison

Sorted by Fall 2020 FYE - Descending Order

CIP Code	Major/CIP Code Description	Fall 2016	Fall 2017	Fall 2018	Fall 2019	Fall 2020	% Change from 2019	5 Yr Diff	5 Yr Diff %
010103	Agricultural, Genera/ Econ	2.0	2.8	1.4	1.4	1.0	-29%	**-1.0**	**-50%**
010104	Farm/Farm and Ranch M	35.6	27.6	35.9	32.6	19.9	-39%	**-15.7**	**-44%**
010205	Agricultural Mechanic	4.2	4.4	3.1	2.9	1.0	-66%	**-3.2**	**-76%**
010901	Animal Sciences, General			4.5	1.9	5.1	168%	**0.0**	**0%**
110901	Computer Systems Netw	20.9	15.6	20.6	21.0	23.7	13%	**2.8**	**13%**
111006	Computer Support Spec	0.9	1.1					**-0.9**	**-100%**
131301	Agricultural Teacher			0.4	0.8	0.5	-38%	**0.0**	**0%**
131501	Teacher Assistant/Aid	24.4	24.3	23.3	23.1	17.9	-23%	**-6.5**	**-27%**
150406	Automation Engineer Tech	11.3	9.1	8.9	8.0	5.8	-28%	**-5.5**	**-49%**
150613	Manufacturing Engineering	2.0	3.2	3.5	1.5	1.3	-13%	**-0.7**	**-35%**
151303	Architectural Drafting	17.6	16.6	11.6	10.9	10.4	-5%	**-7.2**	**-41%**
240101	Liberal Arts and Sciences	206.1	190.0	192.3	176.4	127.6	-28%	**-78.5**	**-38%**
240102	General Studies	28.8	41.4	16.0	95.1	5.0	-95%	**-23.8**	**-83%**
290203	Signal/Geospatial Int	1.8	0.6	1.8	0.9	2.0	122%	**0.2**	**11%**
430107	Criminal Justice/Poli	28.0	28.8	30.9	32.0	20.2	-37%	**-7.8**	**-28%**
430201	Fire Prevention and Safety	9.2	8.9	12.7	7.8	8.8	13%	**-0.4**	**-4%**
430203	Fire Science/Fire-fig	1.2	0.8	0.3	0.7			**-1.2**	**-100%**
439999	Homeland Security, La		0.4		0.6			**0.0**	**0%**
460201	Carpentry/Carpenter	5.4	3.8	5.0	6.3	6.6	5%	**1.2**	**22%**
460302	Electrician	27.0	25.0	27.7	28.6	25.3	-12%	**-1.7**	**-6%**
460503	Plumbing Technology/P	6.5	2.3	3.1	4.4	4.4	0%	**-2.1**	**-32%**
470201	Heating, Air Conditio	8.1	10.2	7.4	8.4	9.0	7%	**0.9**	**11%**
470603	Autobody/Collision and	10.2	10.6	6.7	6.5	6.2	-5%	**-4.0**	**-39%**
470604	Automobile/Automotive	17.4	15.7	11.0	9.5	5.5	-42%	**-11.9**	**-68%**
470607	Airframe Mechanics an	28.3	29.5	28.2	19.2	17.8	-7%	**-10.5**	**-37%**
470609	Avionics Maintenance	5.5	0.8		0.7			**-5.5**	**-100%**
470699	Vehicle Maintenance a	1.0	0.8	0.8	1.1			**-1.0**	**-100%**
480508	Welding Technology/We	18.3	11.3	14.0	14.8	5.8	-61%	**-12.5**	**-68%**
490205	Truck and Bus Driver/	3.6	5.0	4.2				**-3.6**	**-100%**
510000	Health Services/Allied	8.8	7.9	8.0	7.2	3.5	-51%	**-5.3**	**-60%**
510710	Medical Office Assist	0.7	1.7	4.0	3.0	1.3	-57%	**0.6**	**86%**
510713	Medical Insurance Cod	6.3	7.2	9.2	9.4	9.2	-2%	**2.9**	**46%**
510716	Medical Administrativ	4.6	4.7	2.4	2.8	3.2	14%	**-1.4**	**-30%**
510803	Occupational Therapis	16.1	15.8	13.7	10.8	15.7	45%	**-0.4**	**-2%**
510805	Pharmacy Technician/A	7.9	3.4	3.1	4.7	2.8	-40%	**-5.1**	**-65%**
510806	Physical Therapy Tech	22.5	17.8	17.2	16.9	14.6	-14%	**-7.9**	**-35%**
510904	Emergency Medical Tech	16.9	10.0	13.4	6.7	5.5	-18%	**-11.4**	**-67%**
510908	Respiratory Care Ther	10.4	9.7	9.1	10.4	7.1	-32%	**-3.3**	**-32%**
510909	Surgical Technology/T	11.7	12.7	10.9	13.6	14.0	3%	**2.3**	**20%**
510911	Radiologic Technology	33.2	29.7	30.6	25.9	27.9	8%	**-5.3**	**-16%**
511009	Phlebotomy Technician	2.1	1.9	1.0	0.6	1.3	117%	**-0.8**	**-38%**
512601	Health Aide	62.3	52.3	82.9				**-62.3**	**-100%**
513103	Dietetic Technician	2.3	6.8	7.6	8.2	6.6	-20%	**4.3**	**187%**
513801	Registered Nursing/Re	38.4	53.9	53.3	62.2	48.4	-22%	**10.0**	**26%**
513901	Licensed Practical	175.3	150.7	152.3	124.0	144.5	17%	**-30.8**	**-18%**
513902	Nursing Assistant/Aid	0.4	0.4	0.1		0.1	0%	**-0.3**	**-75%**
520201	Business Administration	35.2	29.7	38.3	37.0	30.3	-18%	**-4.9**	**-14%**
520204	Office Management and	1.5	0.8	1.4	3.7	1.2	-68%	**-0.3**	**-20%**
520207	Customer Service Mana	0.2		0.4	0.2			**-0.2**	**-100%**
520302	Accounting Technology	12.9	10.6	9.7	10.7	11.0	3%	**-1.9**	**-15%**
520401	Administrative Assist	5.4	4.4	3.7	5.4	5.3	-2%	**-0.1**	**-2%**
521801	Sales, Distribution,	22.6	15.7	16.7	16.0	15.0	-6%	**-7.6**	**-34%**
521909	Special Products Mark	1.9	0.6	1.0	1.3	2.8	115%	**0.9**	**47%**
	Unknown/Blank	46.1	45.5	70.8	62.7	137.3	119%	**91.2**	**198%**
Total		**1,071.1**	**984.2**	**1035.9**	**960.5**	**839.4**	**-13%**	**-231.7**	**-22%**

Source: MinnState ISRS Operational Data, ST06-Students by Course, SUBJ, 5.5.2021

Order descending by Fall'20 enrollment.

FYE=Student Full Year Equivalent

*FY2021 preliminary

Table 16
Online Enrollment

	Fiscal Year					
	2017	2018	2019	2020	2021*	5 Yr % Change
Sections Offered	280	285	336	325	**464**	65.7%
FYE	510	521	559	554	**826**	62.1%
Duplicated Headcount	5901	5,792	6,187	6,088	**8,564**	45.1%

Source: Minn State ISRS Operational Data; ST06 Student by Course; Media *preliminary as of 5.5.2021
(98 & 99 temporary for Covid 19 pandemic (FY21); exclusively remote)

Chart 15
On-line Sections Offered and Enrollment

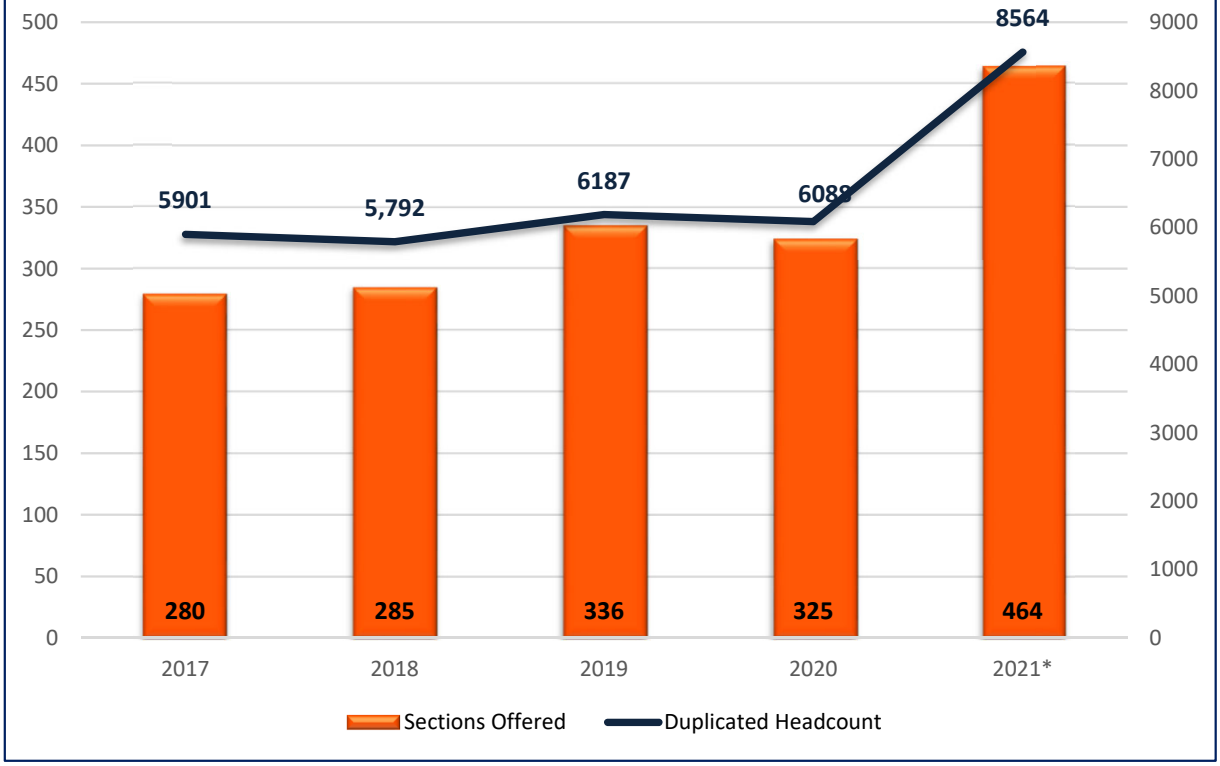


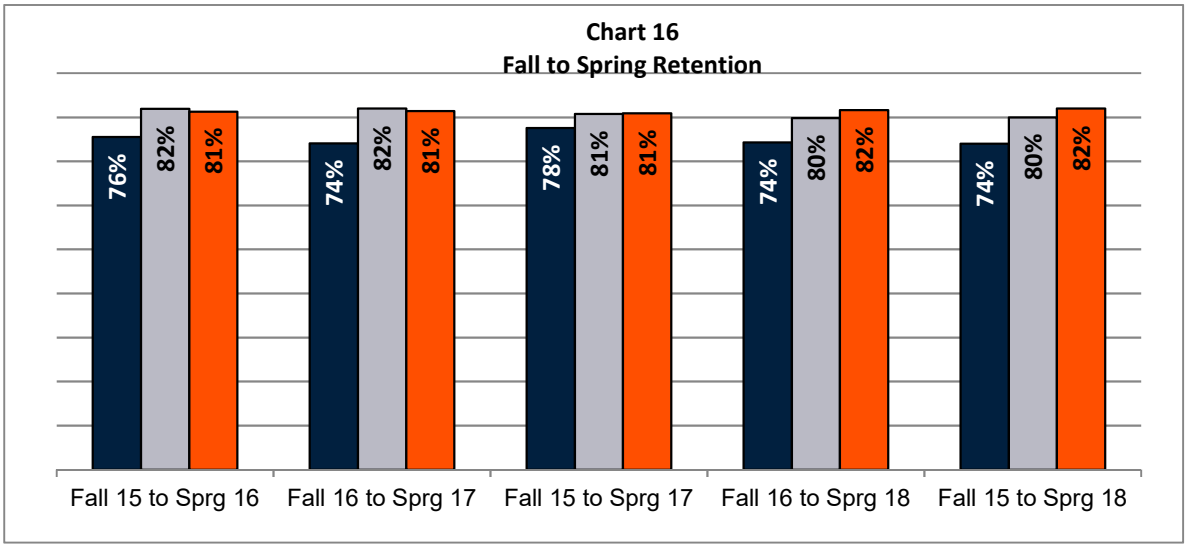
Table 17
Online / Classroom Enrollment

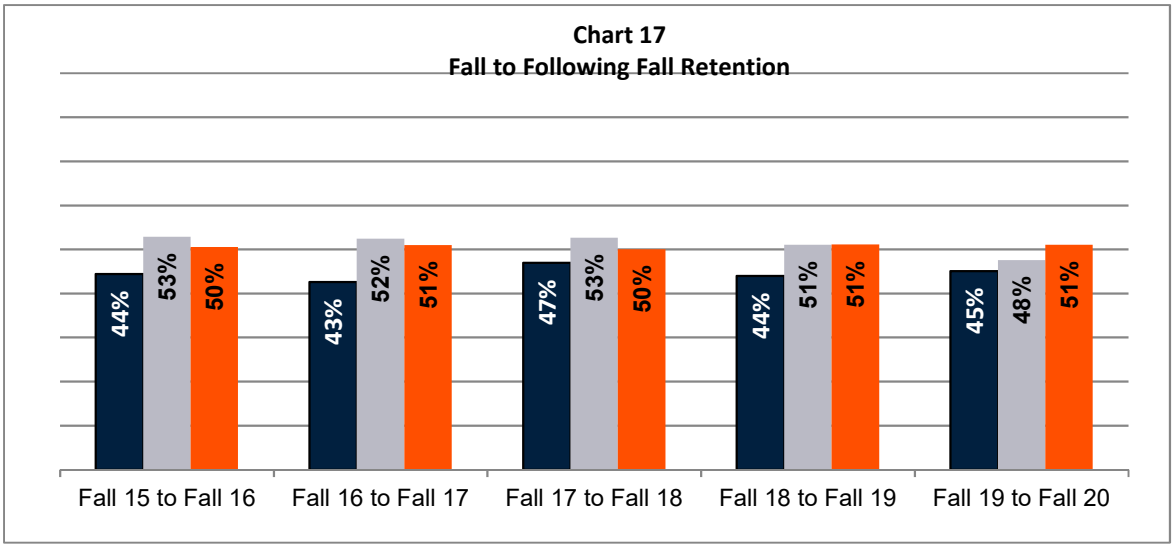
		Fall 2016		Fall 2017		Fall 2018		Fall 2019		Fall 2020	
		Number	Percent	Number	Percent	Number	Percent	Number	Percent	Number	Percent
NCTC	Totally Online	787	22%	820	25%	904	26%	859	27%	860	31%
	Mostly Online	186	5%	178	5%	188	5%	200	6%	225	8%
	Mostly Classroom	410	12%	346	11%	376	11%	387	12%	336	12%
	No Online	2,136	61%	1,949	59%	1,954	57%	1,744	55%	1,393	50%
Total		**3,519**		**3,293**		**3,422**		**3,190**		**2,814**	
System	Totally Online	23,652	13%	24,682	14%	25,595	15%	26,532	15%	54,635	33%
	Mostly Online	11,728	6%	12,085	7%	12,459	7%	13,144	8%	15,810	10%
	Mostly Classroom	28,737	16%	28,862	16%	30,318	17%	30,276	18%	26,867	16%
	No Online	116,919	65%	111,745	63%	106,201	61%	101,894	59%	65,868	40%
Total		**181,036**		**177,374**		**174,573**		**171,846**		**163,180**	

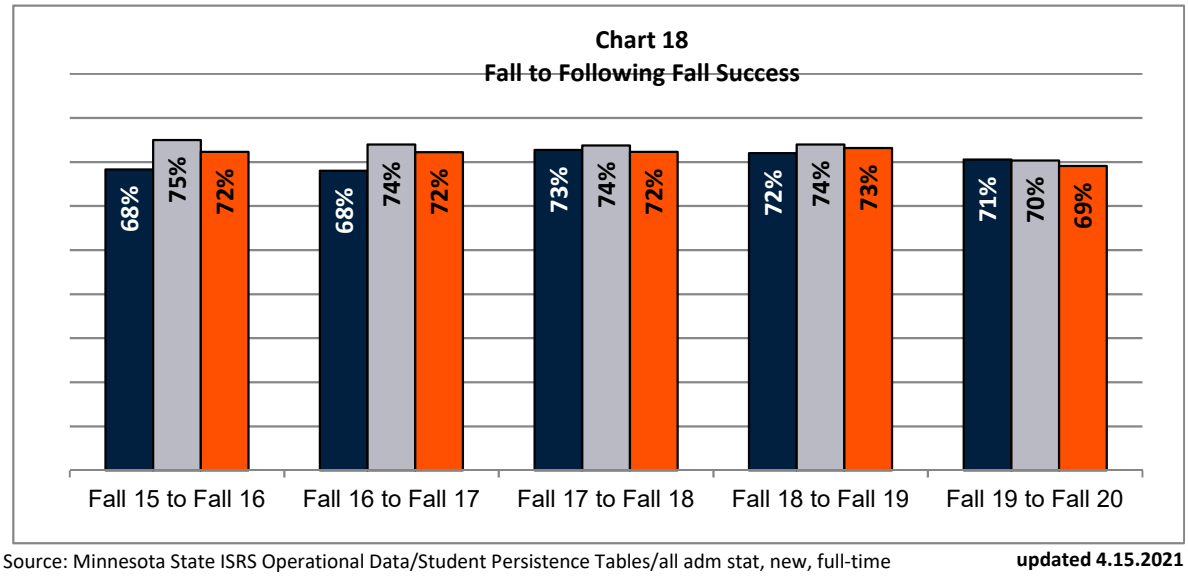
Source: Minn State ISRS Operational Data; ST06 Student by Course; Media Codes 03, 12, 13, 98, 99; 5.5.2021
(98 & 99 temporary for Covid 19 pandemic (FY21); exclusively remote)

Retention and Success Rates

Chart 16-18 : Northland | NHED Colleges | MinnState 2-yr Colleges







Source: Minnesota State ISRS Operational Data/Student Persistence Tables/all adm stat, new, full-time **updated 4.15.2021**

NHED is the Northeast Higher Education District (Hibbing CC, Itasca CC, Mesabi Range College, Rainy River CC, and Vermilion CC.)

Rates based on all New, Full-time Students. **"Success" is Retained, Graduated, or Transferred.**

Table 18
Enrollment by Program

	Fall 16		Fall 17		Fall 18		Fall 19		Fall 20	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Liberal Arts *	726	21%	793	24%	1,027	30%	**912**	**29%**	**356**	**13%**
Occupational	2,377	68%	2,097	64%	1,806	53%	**1,741**	**55%**	**1,645**	**58%**
Undecided	414	12%	402	12%	588	17%	**536**	**17%**	**813**	**29%**
Total	**3,517**		**3,292**		**3,421**		**3,189**		**2,814**	

Source: 30th Day Enrollment Tables, ST_03/MinnState ISRS Operational Data/*Major CIP Code 240101, 240102, 5.5.2021

Table 19
Degrees Awarded by Fiscal Year

	2016		2017		2018		2019		2020	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent	Count	Percent
AA	209	17%	162	14%	199	20%	**179**	**19%**	**156**	**20%**
AAS	306	25%	259	22%	163	17%	**161**	**17%**	**149**	**19%**
AS	131	11%	118	10%	140	14%	**132**	**14%**	**112**	**14%**
ATC/Certificate	403	33%	438	37%	246	25%	**249**	**26%**	**180**	**23%**
Diploma	161	13%	221	18%	232	24%	**232**	**24%**	**195**	**25%**
Total Degrees	**1,210**		**1,198**		**980**		**953**		**792**	
Total Students	**1,097**		**1,053**		**857**		**838**		**717**	

Source: Academic Awards by CIP/Major, updated 5.5.2021

Chart 19
Degrees Awarded by Year

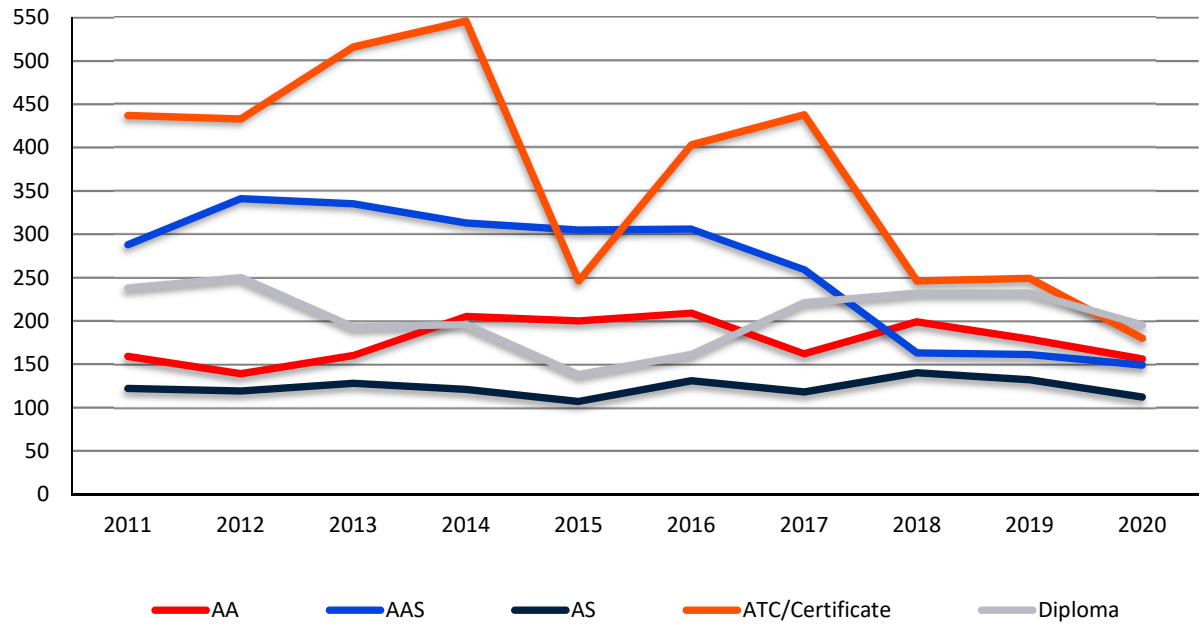


Table 20
Awards by Major - Fiscal Year

Degree	Major	2016 Count	2017 Count	2018 Count	2019 Count	2020 Count
AA	Liberal Arts and Sciences	209	162	199	179	156
AAS	Accounting/Associate Accounting	10	8	9	5	3
AAS	Administrative Assistant	6	8	5		
AAS	Administrative Support Software Specialist	3	1	3	3	4
AAS	Animal Science				3	1
AAS	Architectural Technology and Design	9	6	9	3	5
AAS	Auto Body Collision Technology			1		2
AAS	Automotive Service Technology	3		4	2	1
AAS	Aviation Maintenance Technology	16	10	10	13	9
AAS	Cardiovascular Technology--Invasive	1				
AAS	Computer and Network Technology	6	12	7	9	9
AAS	Criminal Justice - Law Enforcement				1	15
AAS	Dietetic Technician			1	5	4
AAS	Digital Marketing			1		7
AAS	Digital Media Production	1				
AAS	Electronics Technology/Automated Systems	11	12	9	8	8
AAS	Fire Technology	5	6	5	9	3
AAS	Firefighter/Intensive Care Paramedic	7	6	6		
AAS	Geospatial Intelligence Analysis	16	2	1		
AAS	Heating, Ventilation and Air Conditioning/Cor	1		1	2	
AAS	Intenstive Care Paramedic				8	
AAS	Manufacturing Process Technology				1	2
AAS	Medical Administrative Assistant	5	5	5	2	4
AAS	Medical Coding Specialist		4	4	4	9
AAS	New Media Production	1				
AAS	Occupational Therapy Assistant	17	13	12	12	7
AAS	Pharmacy Technology	13	12	9	4	3
AAS	Physical Therapist Assistant	15	13	13	13	11
AAS	Practical Nursing	103	86			
AAS	Precision Agriculture Equipment Technician		3	4	5	2
AAS	Radiologic Technology	11	15	16	13	14
AAS	Respiratory Therapist	11	12	9	9	6
AAS	Sales, Marketing, and Management	20	8	6	15	11
AAS	Small Unmanned Aircraft Systems Technician					2
AAS	Surgical Technology	15	17	13	12	7
AS	Business	15	12	24	26	19
AS	Criminal Justice - Law Enforcement	20	15	14	16	2
AS	Early Childhood and Paraprofessional Educati	13	6	23	17	11
AS	Electronic Technology Marketing		4		3	2
AS	Health Sciences Broad Field	2		2	6	
AS	Manufacturing Technology	2	1	2		
AS	Nursing	79	80	75	65	78
ATC	Advanced Farm Business Management	3	8	3	1	
CERT	Advanced Agricultural Commodity Marketing		1			
CERT	Advanced Rescue	2	5	3	7	
CERT	Applications in Farm Business Management	8	11	8	5	3
CERT	Automotive Electronics and Drivability	7	6	10	5	6
CERT	Automotive Engine Repair, Suspension and B	9	11	10	8	
CERT	Aviation Maintenance Technician Plus	1	15	7	1	3
CERT	Cisco Networking	7	9	8	11	10
CERT	Collision and Refinishing/Sheet Metal Technic	15	23	21	14	6
CERT	Commercial Vehicle Operator	17	7	7	2	
		....continued.....				

Degree	Major	2016 Count	2017 Count	2018 Count	2019 Count	2020 Count
CERT	Criminal Justice - Law Enforcement	2	3		3	3
CERT	Current Issues in Farm Business Management	176	145		21	
CERT	Customer Service	4	3	3	6	2
CERT	Digital Marketing		1	2		4
CERT	Electronic Technology Marketing I	15	31	16	13	7
CERT	Electronic Technology Marketing II	5	14	9	6	5
CERT	Essentials of Farm Business Management	12	29	18	11	3
CERT	Fire Service Preparation	5	4	4	11	5
CERT	General Agriculture		1	7	7	1
CERT	Health and Fitness Specialist					
CERT	Imagery Analysis					
CERT	Lean Manufacturing/Continuous Improvement		5			
CERT	Manufacturing Principles			8		
CERT	Medical Coding Specialist	15	4	1		
CERT	Nursing Assistant	72	50	72	65	87
CERT	Patient Access Specialist	3	4	2	2	8
CERT	Phlebotomy	7	8	8	8	2
CERT	Production Technologies			1		
CERT	Rescue Technician			1		
CERT	Supervisory Leadership	4	13	10	26	19
CERT	Unmanned Aerial Systems Maintenance Tech	4	11	8	7	5
CERT	Welding Manufacturing Technology		9	3	4	
CERT	Welding Process Technology	8	8	2	5	1
DIP	Accounting Clerk	6			1	
DIP	Administrative Support	7	8	4	1	2
DIP	Administrative Support Microcomputer Speci	1		2		
DIP	Architectural Technology and Design	8	8	11	6	6
DIP	Auto Body Collision Technology		1	4		1
DIP	Automotive Service Technology	6	3	9	4	1
DIP	Aviation Maintenance Technology	11	10	4	7	8
DIP	Carpentry-Residential	6	7	8	7	9
DIP	Construction Electricity	15	14	13	19	18
DIP	Construction Plumbing	9	12	6	7	5
DIP	Criminal Justice - Law Enforcement	1	2	5	5	3
DIP	Electronic Technology Marketing	7	6		2	
DIP	Farm Operations and Management	11	17	4	11	6
DIP	Heating, Ventilation and Air Conditioning	12	8	11	9	13
DIP	Intro Architectural Technology & Design	8	10	13	11	5
DIP	Massage Therapist	1	1			
DIP	Medical Office Specialist	9	7	4	2	5
DIP	Medical Transcriptionist/Editor	1				
DIP	New Media Production	1				
DIP	Paramedic					1
DIP	Pharmacy Technology	2	1	4	2	4
DIP	Practical Nursing	20	85	123	127	105
DIP	Radio Business	1				
DIP	Welding Process Technology	1	9	2	5	
DIP	Welding Technology	17	12	5	7	3
Total Awards		**1,208**	**1,199**	**986**	**955**	**792**

Source: Academic Awards by CIP/Major, updated 5.5.2021

Table 21

Persistence and Completion Rates for New, Fall, Full-Time Students

Fall 2016

		Fall to Spring		Fall to Fall		2-Year		3-Year
	Fall 2016 Entering Cohort	First Spring Retention Rate	First Spring Success Rate	Second Fall Retention Rate	Second Fall Success Rate	Third Fall Retention Rate	Third Fall Success Rate	Three Year Grad Rate
Gender								
Female	246.	76%	84%	53%	75%	22%	70%	64%
Male	393.	73%	78%	36%	64%	9%	61%	58%
Student of Color								
Not Student of Color	473.	76%	82%	45%	70%	15%	65%	60%
Student of Color	166.	67%	77%	34%	62%	10%	63%	58%
Race/Ethnicity								
American Indian or Alaska Native	15.	80%	87%	40%	80%	0%	60%	60%
Black or African American	87.	67%	77%	34%	61%	10%	64%	60%
Hispanic of any race	32.	75%	78%	34%	63%	9%	69%	63%
Two or more races	28.	57%	71%	29%	61%	14%	54%	54%
White	470.	76%	82%	45%	70%	15%	65%	61%
AgeGroup								
*Non-traditional Age	77.	73%	77%	49%	66%	12%	62%	60%
Traditional Age (Age 24 and younger)	564.	74%	81%	42%	68%	14%	65%	60%
Underrepresented**								
Not	177.	76%	82%	44%	72%	12%	69%	65%
Underrepresented	403.	72%	80%	41%	66%	14%	63%	59%
Unknown	61.	79%	79%	46%	70%	15%	62%	54%
Admission Status								
High School	7.	86%	100%	57%	100%	14%	57%	43%
Undergraduate Other	34.	71%	76%	44%	65%	12%	65%	59%
Undergraduate Regular	391.	71%	76%	39%	63%	14%	60%	55%
Undergraduate Transfer	209.	81%	88%	49%	77%	13%	73%	70%
Total	**641.**	**74%**	**80%**	**43%**	**68%**	**14%**	**65%**	**60%**

Success rate is the retention, transfer, and graduation combined; measure at beginning of term; 3-Year grad rate is graduation by end of third spring.
Private data cell sizes less than 5 not reported. Racial/ethnic status for such reported in aggregate. *Non-traditional age is 25 years and older.
**Underrepresented - Student of color, Pell eligible, or first generation (MN defined - neither parent has any post secondary education).
Source: MinnState ISRS Operational Data; Student Persistence Tables; Fall Cohort, New, Full-time Students; Undergrad Regular, Transfer, Other and High School (All Adm Stats)

Table 22

Persistence and Completion Rates for New, Fall, Full-Time Students

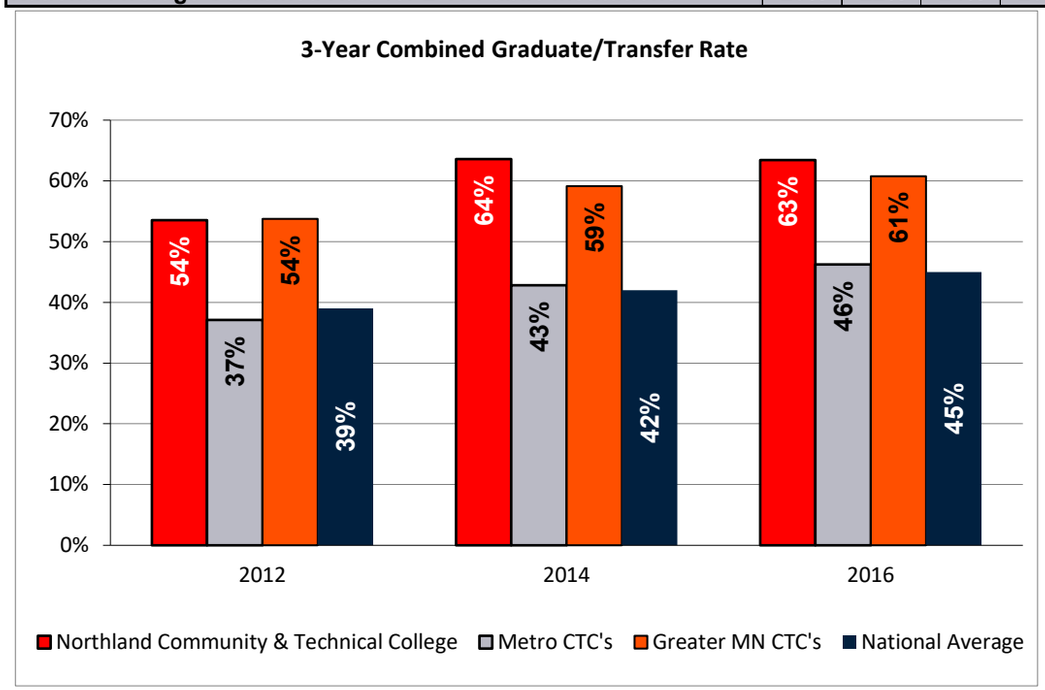
Fall 2017

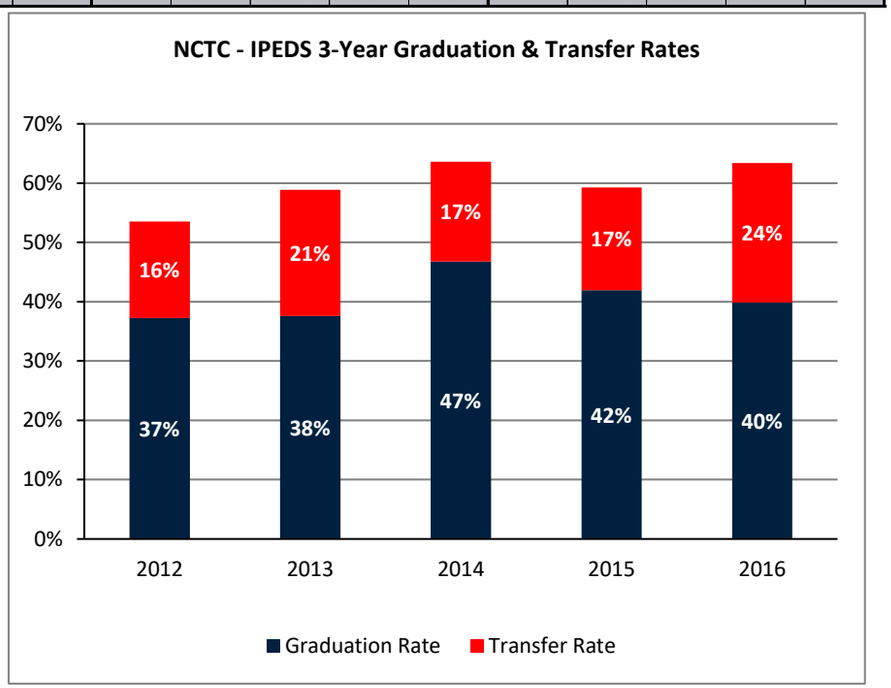
		Fall to Spring		Fall to Fall		2-Year		3-Year
	Fall 2017 Entering Cohort	First Spring Retention Rate	First Spring Success Rate	Second Fall Retention Rate	Second Fall Success Rate	Third Fall Retention Rate	Third Fall Success Rate	Three Year Grad Rate
Gender								
Female	214.	78%	86%	53%	76%	14%	69%	63%
Male	318.	78%	83%	43%	71%	8%	65%	62%
Student of Color								
Not Student of Color	392.	82%	88%	51%	77%	10%	71%	67%
Student of Color	138.	64%	73%	35%	59%	12%	56%	49%
Race/Ethnicity								
American Indian or Alaska Native	12.	67%	83%	67%	83%	8%	75%	75%
Black or African American	60.	67%	77%	30%	60%	10%	58%	55%
Asian	5.	60%	60%	0%	40%	0%	40%	40%
Hispanic of any race	35.	60%	66%	40%	51%	14%	40%	29%
Two or more races	24.	63%	71%	33%	58%	17%	63%	50%
White	383.	82%	88%	51%	77%	10%	70%	66%
AgeGroup								
*Non-traditional Age	59.	80%	90%	42%	76%	7%	64%	66%
Traditional Age (Age 24 and younger)	472.	77%	83%	47%	72%	11%	67%	62%
Underrepresented**								
Not	150.	83%	89%	49%	79%	11%	73%	70%
Underrepresented	323.	74%	81%	45%	68%	11%	63%	57%
Unknown	59.	85%	88%	56%	81%	5%	76%	73%
Admission Status								
High School	12.	92%	92%	58%	83%	8%	67%	58%
Undergraduate Other	15.	73%	80%	33%	80%	7%	87%	80%
Undergraduate Regular	331.	75%	82%	44%	68%	10%	61%	55%
Undergraduate Transfer	174.	82%	87%	54%	80%	11%	77%	74%
Total	**532.**	**78%**	**84%**	**47%**	**73%**	**10%**	**67%**	**62%**

Success rate is the retention, transfer, and graduation combined; measure at beginning of term; 3-Year grad rate is graduation by end of third spring.
Private data cell sizes less than 5 not reported. Racial/ethnic status for such reported in aggregate. *Non-traditional age is 25 years and older.
**Underrepresented - Student of color, Pell eligible, or first generation (MN defined - neither parent has any post secondary education).
Source: MinnState ISRS Operational Data; Student Persistence Tables; Fall Cohort, New, Full-time Students; Undergrad Regular, Transfer, Other and High School (All Adm Stats)

Table 23
IPEDS 3-Year Graduation and Transfer-out Rates
First-time, Full-time, Degree Seeking Students
Fall 2012 through Fall 2016

COLLEGE	Cohort					Graduation Rate					Transfer Rate					Combined Grad/Trans Rate				
Cohort	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016	2012	2013	2014	2015	2016
Northland Community & Technical College	**467**	**420**	**297**	**329**	**391**	**37%**	**38%**	**47%**	**42%**	**40%**	**16%**	**21%**	**17%**	**17%**	**24%**	**54%**	**59%**	**64%**	**59%**	**63%**
Metro CC's	2,662	2,527	2,521	2,467	2,450	20%	16%	24%	24%	25%	29%	35%	29%	30%	30%	49%	51%	53%	54%	55%
Metro CTC's	**2,406**	**2,171**	**2,027**	**2,060**	**1,962**	**16%**	**16%**	**21%**	**23%**	**21%**	**21%**	**26%**	**22%**	**22%**	**25%**	**37%**	**41%**	**43%**	**45%**	**46%**
Metro TC's	955	912	854	845	803	30%	33%	33%	36%	44%	15%	13%	14%	17%	13%	45%	46%	47%	53%	57%
Greater MN CC's	695	622	567	561	610	32%	34%	28%	30%	34%	29%	30%	32%	30%	30%	61%	65%	61%	60%	64%
Greater MN CTC's	**6,298**	**6,114**	**5,748**	**5,566**	**5,891**	**37%**	**36%**	**37%**	**40%**	**38%**	**17%**	**21%**	**22%**	**23%**	**23%**	**54%**	**58%**	**59%**	**63%**	**61%**
Greater MN TC's	412	330	251	272	84	26%	33%	38%	41%	31%	18%	15%	18%	18%	12%	44%	48%	55%	59%	43%
Total Colleges	**13,428**	**12,676**	**11,968**	**11,771**	**11,800**	**27%**	**28%**	**31%**	**33%**	**33%**	**21%**	**24%**	**23%**	**24%**	**24%**	**49%**	**53%**	**54%**	**57%**	**57%**
National Average Combined Rate for 2-Yr Public Institutions						**20%**	**22%**	**24%**	**25%**	**27%**	**19%**	**19%**	**18%**	**18%**	**18%**	**39%**	**41%**	**42%**	**43%**	**45%**





Source: Integrated Postsecondary Education Data System (IPEDS); Summary from System Office Research and Planning, May 2020

Note: Jan 2014 Pine Technical College became Pine Technical and Community College. Move from Greater MN TC to Greater MN CTC for 2014 cohort.

Note: June 2016 Minnesota State College Southeast name change and mission change from otc to octc. Move to Greater Mn CTC for 2016 cohort

Faculty and Staff

Employee Headcount, FTE, and Diversity Measures
Northland Community and Technical College
Fiscal Years 2018, 2019, 2020

Table 24
Employee Headcount

Employee Role	2018	2019	2020	1-yr. Change	% Change
Instructional Faculty	166	159	153	-6	-3.8%
Service and Support	49	52	49	-3	-5.8%
Professionals	34	34	36	2	5.9%
Managers and Supervisors	11	11	11	0	0.0%
Administrators	9	8	9	1	12.5%
Total	**269**	**264**	**258**	**-6**	**-2.3%**

Table 25
Employee Full-Time Equivalent (FTE)

Employee Role	2018	2019	2020	1-yr. Change	% Change
Instructional Faculty	143.5	141.7	139.1	-2.6	-1.9%
Service and Support	43.5	42.3	39.0	-3.3	-7.7%
Professionals	31.0	31.0	34.7	3.7	12.0%
Managers and Supervisors	11.0	11.0	10.9	-0.1	-1.1%
Administrators	9.0	8.0	8.6	0.6	6.9%
Total	**238.0**	**234.1**	**232.3**	**-1.7**	**-0.7%**

Table 26
Employee Diversity (Headcount)

Employee Role	2018	2019	2020	1-yr. Change	% Change
Percent Employees of Color	6.3%	5.7%	7.0%	1%	
Number Employees of Color	17	15	18	3	20.0%
Percent Faculty of Color	5.4%	5.0%	6.5%	1.5%	
Number Faculty of Color	9	8	10	2	25.0%
Percent All Other Employees of Color	7.8%	6.7%	7.6%	1%	
Number All Other Employees of Color	8	7	8	1	14.3%

Source: Northland Community and Technical College HR Office / System Office of Human Resources
NCTC's 2018 HR FTE & HeadCount Folder/HR_HC_Private and HR_FTE_Private (Census Point: Y)

Population Estimates and Unemployment for Counties, Region, and State

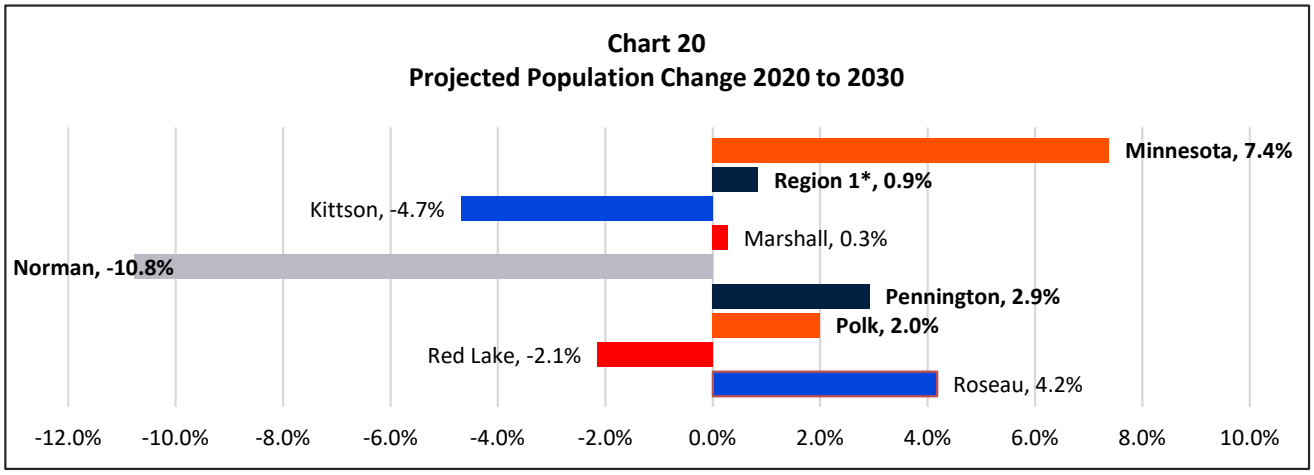
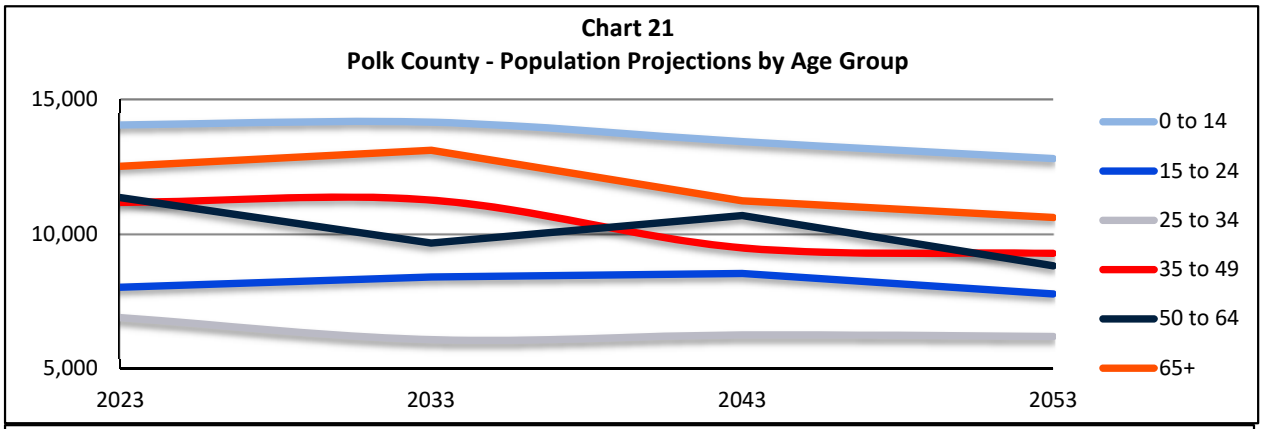
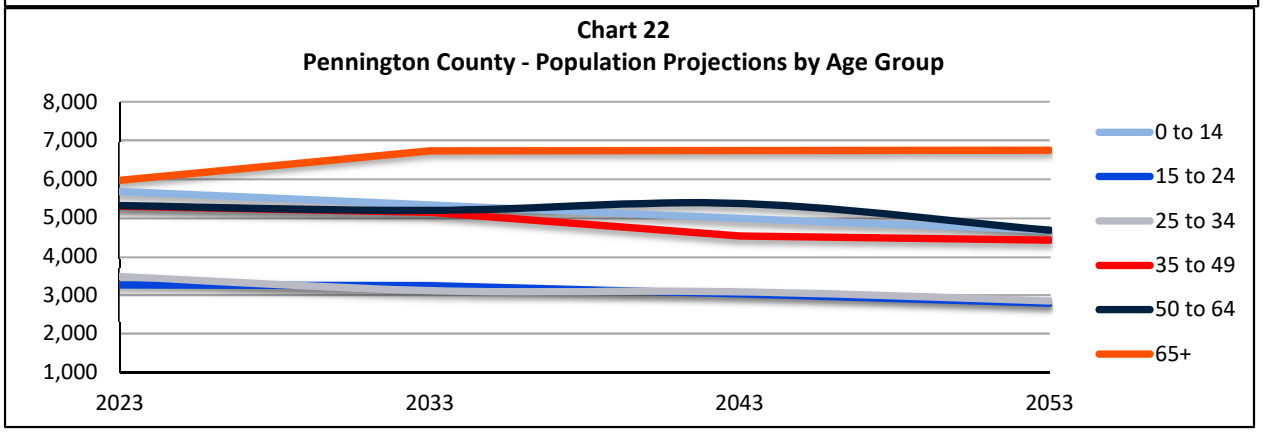


Table 27
Projected 30 Year Population Change for County, Region, and State

County	2020	2030	2040	2050	2020 estimate to actual	2020 - 2030 % Change	2020 - 2040 % Change	2020 - 2050 % Change
Kittson	4,311	4,109	3,942	3,812	(7)	-4.7%	-8.6%	-11.6%
Marshall	9,372	9,399	9,323	9,281	(90)	0.3%	-0.5%	-1.0%
Norman	6,520	5,818	5,454	5,164	234	-10.8%	-16.3%	-20.8%
Pennington	14,183	14,598	14,709	14,833	(205)	2.9%	3.7%	4.6%
Polk	31,521	32,152	32,140	32,201	(512)	2.0%	2.0%	2.2%
Red Lake	4,015	3,929	3,853	3,799	-	-2.1%	-4.0%	-5.4%
Roseau	15,361	16,003	16,069	16,159	(486)	4.2%	4.6%	5.2%
					-			
Region 1*	85,283	86,008	85,490	85,249	(1,066)	0.9%	0.2%	0.0%
					-			
Minnesota	5,563,378	5,974,304	6,189,207	6,368,693	(123,783)	7.4%	11.2%	14.5%





Source: MN Compass (mncompass.org) - U.S. Census Bureau, Decennial Census & Population Estimates, and MN Demographic Ctr./Cty population projections by age and sex, Oct 2020 release; *Region 1 modified to include ONLY counties listed. Age group projections charts have 15 OR 10 year groupings - not to be compared directly. Updated 3.30.2021

Table 28
High School Enrollment for Area Districts

	16-17	17-18	18-19	19-20	20-21	5 Yr %
Ninth	527	536	561	575	**526**	-0.2%
Tenth	550	524	539	553	**554**	0.8%
Eleventh	525	534	531	540	**540**	2.8%
Twelfth	552	491	555	520	**535**	-3.2%
Total	**2,155**	**2,084**	**2,186**	**2,188**	**2,155**	0.0%

Chart 23
Area High School Enrollment by Grade

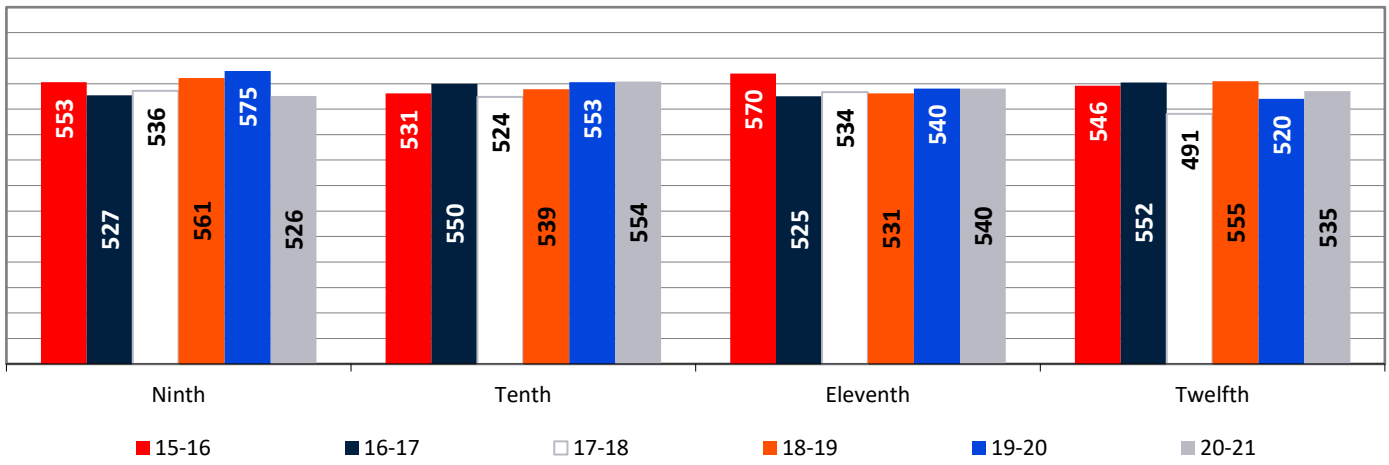


Table 29
2020-2021 Enrollment for Area School Districts (K-12)

	ISD #441	ISD #561	ISD #564	ISD #593	ISD #595	ISD #600	ISD #630	ISD #2176	ISD #2683	
	Marshall County Central Schools	Goodridge Public School District	TRF School District	Crookston Public School District	EGF Public Schools	Fisher Public School District	Red Lake Falls Public School District	Warren-Alvarado-Oslo School District	Greenbush Middle-River	Total
Kinder	30	20	128	73	169	9	27	48	19	523
1	35	13	135	72	145	17	36	51	20	524
2	28	23	122	65	141	18	30	36	17	480
3	28	20	147	91	157	19	29	31	16	538
4	33	19	140	68	140	18	34	38	13	503
5	32	17	125	85	153	16	38	36	16	518
6	40	23	157	88	175	17	24	33	20	577
7	41	20	151	105	156	19	35	38	17	582
8	29	15	161	99	140	18	22	41	21	546
9	37	20	152	91	136	21	20	35	14	526
10	29	19	156	104	140	13	30	42	21	554
11	34	9	154	92	147	24	27	33	20	540
12	34	12	152	86	139	18	31	34	29	535
Total	**430**	**230**	**1880**	**1119**	**1938**	**227**	**383**	**496**	**243**	**6946**

Source: Minnesota Department of Education, Data Reports and Analytics, Student Data, Student, Enrollment, State/District/School/County, 5.5.2021
All enrollment counts provided for 2020-2021 are based on the October 1 enrollment reported to MDE.

Table 30
Average Unemployment Rate

	Pennington County	Polk County	Economic Development Region 1	Minnesota	United States
2010	9.0%	6.6%	7.5%	7.4%	9.6%
2011	7.7%	7.0%	7.0%	6.5%	8.9%
2012	6.6%	6.2%	6.2%	5.6%	8.1%
2013	6.3%	5.4%	5.8%	5.0%	7.4%
2014	5.2%	4.6%	4.9%	4.2%	6.2%
2015	5.1%	4.2%	4.8%	3.7%	5.3%
2016	5.7%	4.3%	5.3%	3.9%	4.4%
2017	5.6%	4.1%	5.0%	3.4%	4.4%
2018	4.2%	3.7%	4.0%	2.9%	4.5%
2019	4.6%	4.0%	4.4%	3.2%	3.7%
2020	4.7%	5.1%	5.5%	6.2%	8.1%
2021*	5.9%	5.1%	5.3%	4.4%	6.2%

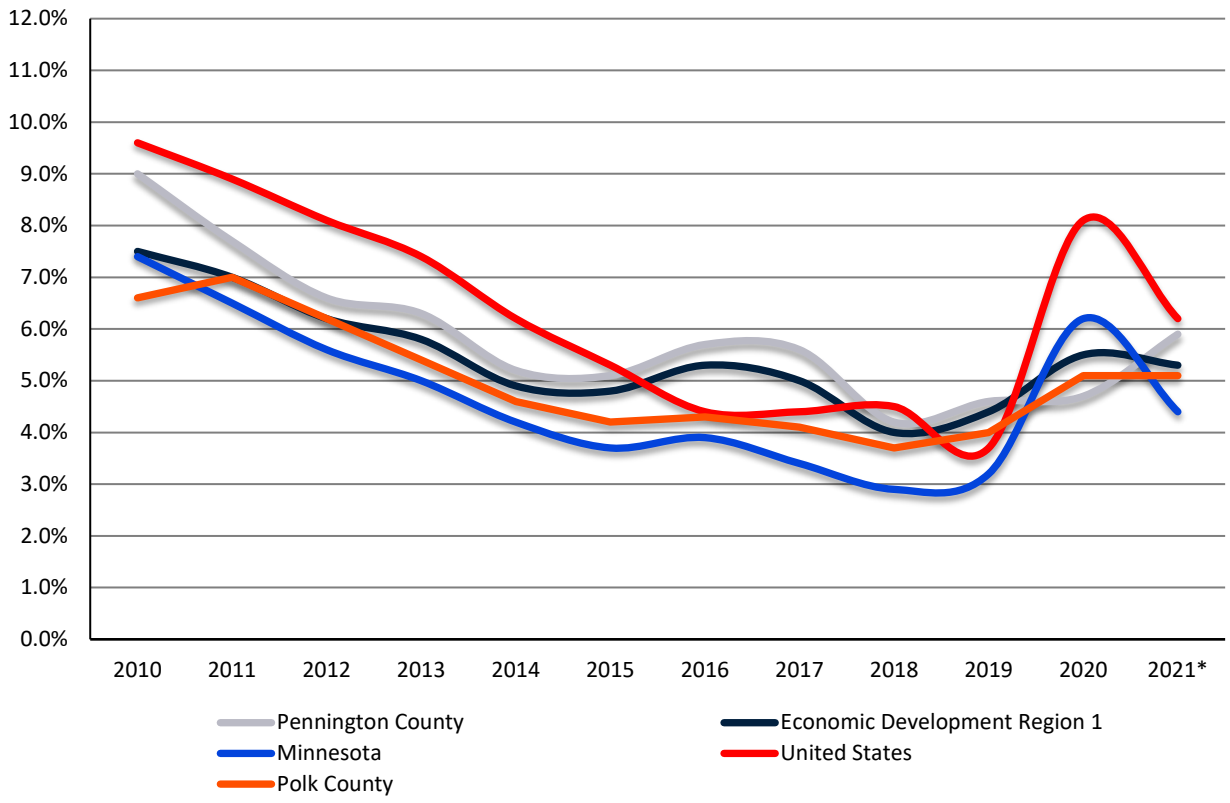
Source: Minnesota Department of Employment and Economic Development/Local Area Unemployment Statistics/MN Counties/Pennington and Polk Counties/Historical Data, Annual Unemployment Rate, 2011-2020, not seasonally adjusted. *2021 is Jan-March AVERAGE unemployment rate.

Unemployed includes those not employed but available for work and actively looking during the last four weeks; those waiting to be called back to a job from which they were laid off; or persons waiting to report to a new wage or salaried job.

Unemployment rate determined by dividing the total number unemployed by the total labor force (sum of employed and unemployed people).

*May 2021 update

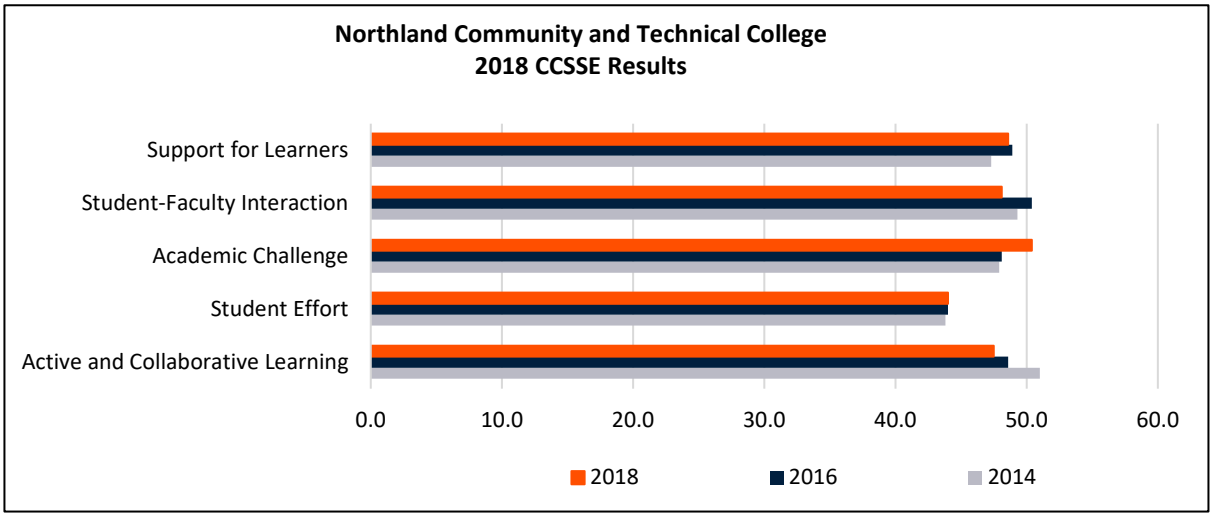
Chart 24
Unemployment Rates



Northland Community and Technical College
Community College Survey of Student Engagement (CCSSE)

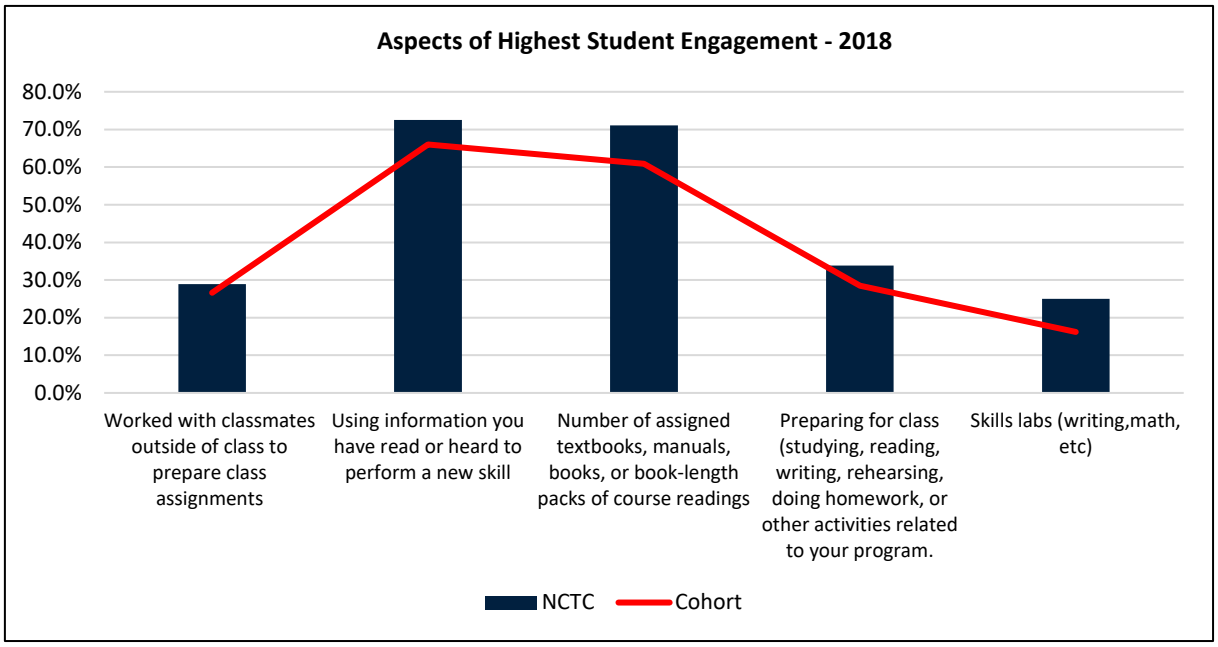
Review of 2018 **CCSSE** Results

Benchmark	2014	2016	2018
Active and Collaborative Learning	51.0	48.6	47.5
Student Effort	43.8	44.0	44.0
Academic Challenge	47.9	48.1	50.4
Student-Faculty Interaction	49.3	50.4	48.1
Support for Learners	47.3	48.9	48.6



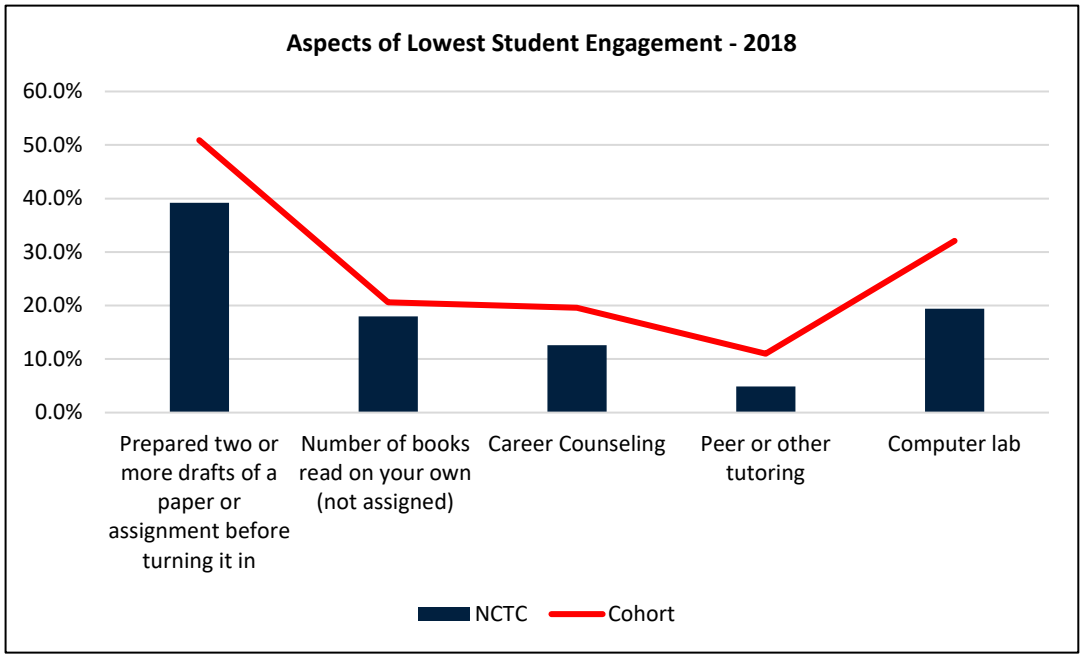
Aspects of Highest Student Engagement - 2018

	NCTC	Cohort
Worked with classmates outside of class to prepare class assignments	28.9%	26.6%
Using information you have read or heard to perform a new skill	72.5%	66.0%
Number of assigned textbooks, manuals, books, or book-length packs of course readings	71.1%	60.9%
Preparing for class (studying, reading, writing, rehearsing, doing homework, or other activities related to your program.	33.8%	28.5%
Skills labs (writing,math, etc)	25.0%	16.2%



Aspects of Lowest Student Engagement - 2018

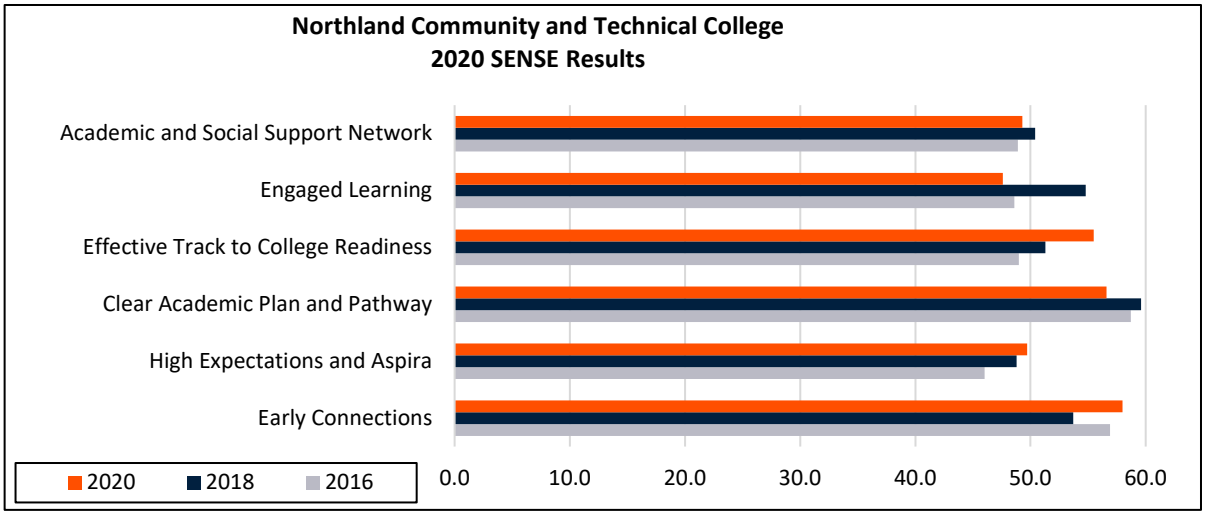
	NCTC	Cohort
Prepared two or more drafts of a paper or assignment before turning it in	39.2%	50.9%
Number of books read on your own (not assigned)	18.0%	20.6%
Career Counseling	12.6%	19.6%
Peer or other tutoring	4.9%	11.0%
Computer lab	19.4%	32.1%



Northland Community and Technical College
Survey of Entering Student Engagement (SENSE)

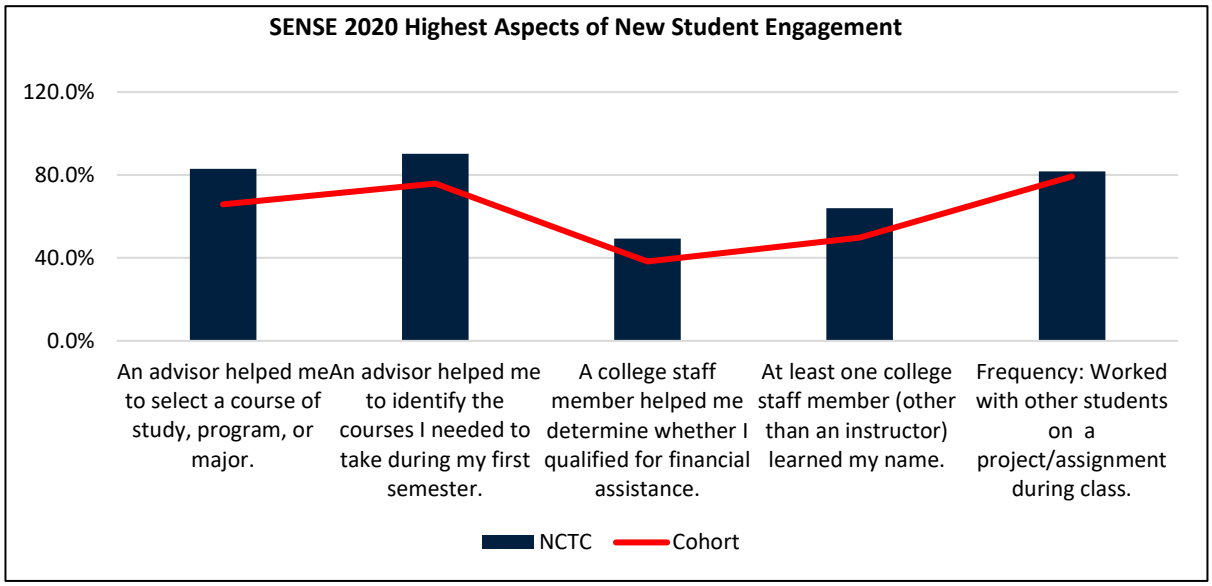
Review of 2020 **SENSE** Results

Benchmark	2016	2018	2020
Early Connections	56.9	53.7	58.0
High Expectations and Aspira	46	48.8	49.7
Clear Academic Plan and Pathway	58.7	59.6	56.6
Effective Track to College Readiness	49	51.3	55.5
Engaged Learning	48.6	54.8	47.6
Academic and Social Support Network	48.9	50.4	49.3



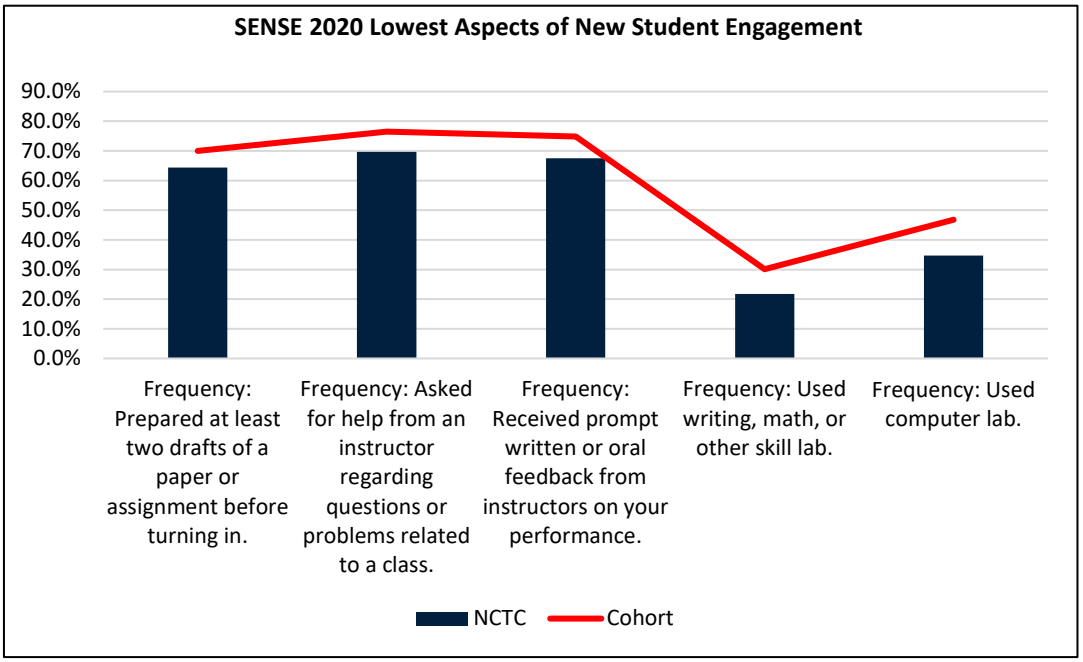
SENSE 2020 Highest Aspects

	NCTC	Cohort
An advisor helped me to select a course of study, program, or major.	82.9%	65.8%
An advisor helped me to identify the courses I needed to take during my first semester.	90.3%	75.8%
A college staff member helped me determine whether I qualified for financial assistance.	49.4%	38.3%
At least one college staff member (other than an instructor) learned my name.	64.0%	49.8%
Frequency: Worked with other students on a project/assignment during class.	81.8%	79.3%



SENSE 2020 Lowest Aspects

	NCTC	Cohort
Frequency: Prepared at least two drafts of a paper or assignment before turning in.	64.4%	70.0%
Frequency: Asked for help from an instructor regarding questions or problems related to a class.	69.7%	76.5%
Frequency: Received prompt written or oral feedback from instructors on your performance.	67.5%	74.9%
Frequency: Used writing, math, or other skill lab.	21.7%	30.1%
Frequency: Used computer lab.	34.7%	46.8%



Source: 2018 CCSSE and 2020 SENSE Results, Northland Community and Technical College

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7.0 APPENDIX

STRATEGIC PLAN

February 2018

NORTHLAND

PHILOSOPHY STATEMENT

Northland's approach to strategic planning is based on the premise that a strategic plan is a living document, designed for effectiveness through adaptability and flexibility, and subject to continuous review. Our plan was developed with solicited input from both internal and external constituents along with guidance and facilitation from a third-party consulting firm. The primary focus of the strategic plan is to improve student success, increase our value to the communities we serve and further the institution's viability.

VISION STATEMENT

Northland will be highly valued for providing exceptional education that transforms lives and strengthens the communities we serve.

MISSION STATEMENT

Northland is an innovative leader in higher education, preparing all learners with work and life skills that advance personal well–being and regional prosperity.

FOUNDATIONAL GOALS

1. Foster Student Success

- Improve institutional performance for student success as demonstrated by outcomes related to:
  - o Transfer, graduation, training certificates, job placement and career advancement.
  - o Communication skills, critical thinking skills, social engagement, information and applied technology, and personal development.

2. Advance the Development of the College

- Increase student enrollment.
- Cultivate high quality faculty and staff.
- Develop new programs and delivery methods to engage more effectively with learners and communities in the region.
- Increase revenues from entrepreneurial and philanthropic sources.

INSTITUTIONAL VALUES

- Meet students where they are at
- Focus on student success
- Provide a high value learning experience
- Work collaboratively and build relationships
- Advance diversity, equity and inclusion
- Promote global competency
- Encourage innovation and creativity
- Pursue quality and continuous improvement
- Meet community and workforce needs
- Practice financial stewardship

STRATEGIC PRIORITIES

Our strategic priorities are derived from the most pressing issues facing both the college and students. Strategic priorities must be aligned with our mission and vision and consistent with our institutional values. They are developed with the intent of employing a three year "rolling priority". This process requires that priorities are revisited each year, amending or adjusting priorities appropriately reflecting actual accomplishment and/or progress. New priorities are then established for year three, resulting in a continuous three-year strategic plan.

Specific action steps associated with each priority and corresponding areas of focus are developed by an ad-hoc work group that is best qualified to work on the specific priority. Implementation of action steps are the responsibility of all involved in the specific strategy with leadership and guidance provided by the institutions core leadership team.

STRATEGIC PRIORITIES 2019 – 2020

Increase Enrollment and Retention Phase I

Areas of Focus

Enrollment

1. Recruitment Activities
2. Promotional Marketing/Advertising
3. Scholarships/Financial Aid incentives
4. Intake Processes
   a. Advising
   b. Orientation
   c. Registration
5. Academic Programming

Student Retention

1. Student engagement (instruction/Student Life)
2. Support services (Academic Success Center)
3. Financial Aid/Scholarships
4. Counseling
5. Curriculum - Guided Pathways

STRATEGIC PRIORITIES 2020 – 2021

Increase Enrollment and Retention Phase II

Areas of Focus

Same as 2018-2019

1) Continuation of work in areas not completed in Phase I

STRATEGIC PRIORITIES 2021 – 2022

Institutional Effectiveness

Proposed Areas of Focus

1. Academic Success Center - Tutoring
2. Student Completion Rate
3. Reducing the Achievement Gap
4. Institutional Research
5. Employee Professional Development

7.0 APPENDIX

Technology Master Plan

Fiscal Year 2021 – 2026

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

Master Technology Plan 2021-2026

CONTENTS

ABOUT NORTHLAND COMMUNITY AND TECHNICAL COLLEGE

Northland is a comprehensive two-year community & technical college offering 80+ program options in high-demand fields including Aerospace, Agriculture, Automotive & Transportation, Building Trades, Busines & Marketing, Education, Health & Human Services, Information Technology, Law & Public Safety, Manufacturing and more! Northland also has a liberal arts & transfer program which offers students the first two years of a bachelor's degree.

Vision, Mission, and Values

Vision:

Northland will be highly valued for providing exceptional education that transforms lives and strengthens the communities we serve.

Mission:

Northland is an innovative leader in higher education, preparing all learners with work and life skills that advance personal well-being and regional prosperity.

Values:

- Meet students where they are
- Focus on student success
- Provide a high-value learning experience
- Work collaboratively and build relationships
- Advance diversity, equity, and inclusion
- Promote global competency
- Encourage innovation and creativity
- Pursue quality and continuous improvement
- Meet community and workforce needs
- Practice responsible financial stewardship

Strategic Plan

Northland's approach to strategic planning is based on the premise that a strategic plan is a living document, designed for effectiveness through adaptability and flexibility, and subject to continuous review.

Academic/Strategic Plan: http://www.northlandcollege.edu/about-northland/_docs/northland_strategic_plan.pdf

TECHNOLOGY PLANNING

The purpose of this technology plan is to evaluate Northland Community and Technical College's existing technology services, infrastructure usage, and make recommendations for future planning and direction.

The growth and expansion of technology brings continuous change. Planning for technology is difficult when the landscape changes every day. The success of the technology master plan is dependent on numerous factors such as sufficient financial resources and staffing.

Members of the Facilities-Technology Committee, comprised of faculty, staff, and students work together to create and update the technology plan. Future technology planning will be aligned with the Facilities Master Plan and Academic Strategic Plan.

The student technology budget and recycling plan is reviewed annually with the Facilities-Technology Committee and members of Student Senate.

FACILITIES-TECHNOLOGY COMMITTEE

The primary purpose of the Facilities-Technology Committee is to provide recommendations for the continuous improvement and future direction of facility and technology infrastructure and services. The committee will seek input from employees and students through annual surveys. Survey results of needs and ideas are reviewed by the committee in the spring of each year, and recommendations carried forward for budget planning purposes. Survey results are also shared with numerous other committees and groups to encourage feedback and input.

Facilities-Technology Committee Model – Adopted 2013

Northland Community and Technical College offers an array of technology resources and infrastructure dedicated to student learning. Students and faculty play an active role in the committee and make recommendations regarding expenditures of student technology fees.

Guiding Principles

- Let all deliberations be guided by Northland's mission and vision statements.
- Be inclusive, seek and include input from the college community.
- Frequently share information with colleagues regarding your work on a technology team.
- Share information to all employees from meetings via college e-mail and website.
- Address both short and long-term technology needs of the college community.
- Make recommendations to the college-wide Technology Committee regarding future planning initiatives and investments.

Facilities-Technology Committee Minutes

The Technology Master Plan and all accompanying plans, meeting minutes and related documents are available at http://www.northlandcollege.edu/employees/committees/administrative-services/

INFORMATION TECHNOLOGY SERVICES (ITS) DEPARTMENT:

The Information Technology Services department provides students and employees with computer and technology services necessary to support and enhance the educational learning environment. ITS is the first point of contact for all technology-related services and support. To better serve students, faculty and staff, an ITS Department is offered on both the East Grand Forks and the Thief River Falls campuses of Northland Community and Technical College.

Information Technology Services Mission and Vision

Our Mission is "To provide Technology Solutions and Creative Services" with a Vision "To be the group that links the college community to future possibilities."

Information Technology Services Goals

Goal #1: Provide an atmosphere of Customer Service

Goal #2: Research and establish technology standards to improve the delivery of technical support and services

Goals #3: Provide and research innovative ways to utilize uses of technology

Goal #4: Establish and maintain technology infrastructure

Goal #5: Work as a college-wide IT team that capitalizes on each other's strengths and compensates for each other's weaknesses.

ITS Department Hours

IT hours of operation are from 8:00 am – 4:30 pm weekdays.

TECHNOLOGY INFRASTRUCTURE REPLACEMENT/RECYCLING PLANS

The campus network provides a fiber optic backbone and access to a DS3 line, providing high-speed internet and e-mail access. All students are provided a network login and e-mail account. To serve students better, Information Technology Services (ITS) are offered on both the East Grand Forks and the Thief River Falls campuses of Northland Community and Technical College. ITS provides technicians dedicated to technical support for students, both on and off campus. Support is also provided to the Aerospace site, the Roseau satellite office and off-campus management education locations. ITS is the first point of contact for all technology-related services and support.

The Thief River Falls campus provides computer labs equipped with high end computers. All computers are replaced on a three or four-year recycling program to provide students with access to up-to-date equipment. Cyber areas are open student labs and are available to students from 7:30 a.m. to 9:30 p.m. on weekdays. The library is also equipped with twenty student computers, study rooms and test proctoring. Over Thirty classrooms are equipped with smart technology, including an instructor computer, VCR/DVD, sound system, and multi-media projector. Many classrooms have added meeting Owls or Zoom room meeting capabilities. Two conference rooms are equipped with video conference equipment for meetings between campuses. Three classrooms offer interactive television network (ITV) capabilities. The campus offers wireless network access in all areas.

The East Grand Forks campus offers a variety of technical programs that require students to purchase laptop computers to complete their programs successfully. The campus offers wireless network access throughout the entire campus and wired ports in most classrooms. The library is equipped with thirty-two desktop computers dedicated to student use, study rooms and test proctoring. Twenty-eight computers in two cyber areas are also dedicated to open student computer use. Over Twenty classrooms are equipped with smart technology, including an instructor station, VCR/DVD, sound system, and multi-media projector. Many classrooms have added meeting Owls or Zoom room meeting capabilities. Two conference rooms are equipped with video conference equipment for meetings between campuses. Three classrooms offer interactive television network (ITV) capabilities. ITS services are available for support from 8:00 a.m. to 4:30 p.m. weekdays.

Technology resources are on the following recycling plans

- **Student Computer Labs**: 4 - 5 Year Replacement Plan in high use student computer labs. Student Lab computers are recycled to lower use Student Labs to extend the life cycle of computers.
- **Employee Computers:** 3 - 4 Year Replacement Plan for Employee computers. Laptops are recycled after 3 years and desktops after 4.
- **Server Replacement:** 4 - 5 Year Replacement Plan for servers.
- **Switch Replacement:** 5 Year Replacement Plan for Cisco Switches. In 2021 all Cisco switches and network core will be replaced with Aruba switches and core.
- **Core Switch Replacement:** 8 Year Replacement Plan for Cisco Core. In 2021 all Cisco switches and network core will be replaced with Aruba switches and core.

TECHNOLOGY POLICIES

Student Policies

2095 Laptop Computer Policy

2205 USE OF E-MAIL FOR OFFICIAL CORRESPONDENCE WITH STUDENTS

Administration Policies

5010 Acceptable Use of Computers and Information Technology Resources

5010P Acceptable Use of Computers and Information Technology Resources Procedure

5015 Use of E-mail for Official Correspondence with Employees

7.0 APPENDIX

Academic Master Plan

2020

NORTHLAND
COMMUNITY & TECHNICAL COLLEGE

Academic Master Plan 2020: Context and Development

As stated in Northland Community and Technical College's Strategic Plan, strategic planning at Northland views the plan "as a living document, designed for effectiveness through adaptability and flexibility, and subject to continuous review." This philosophy of strategic planning is adopted for the 2020 Academic Master plan as well. Within the environment at Northland, we must recognize and balance the expectations and needs of our students, our regional business and industry, the Minnesota State College and University system, and our institutional resource base.

Northland must remain adaptive to shifts within this environmental context. To retain this adaptability, the plan is structured as a three-year rolling plan. The intent is to balance adaptability to needs as they arise (e.g., system initiatives requiring attention within a defined timeline) with the need to strategically identify and pursue long-term institutional initiatives (e.g., development of a new academic program).

The Academic Master Plan further needs to work in accordance with other planning efforts at Northland, including especially the Strategic Plan, the Equity and Inclusion Plan, and the Facilities Master Plan. In aligning with these plans, the Academic Master Plan will keep as its central focus and guide the following:

Mission

Northland is an innovative leader in higher education, preparing all learners with work and life skills that advance personal well–being and regional prosperity.

Vision

Northland will be highly valued for providing exceptional education that transforms lives and strengthens the communities we serve.

Foundational Goals

1. Foster Student Success

2. Advance the Development of the College

Institutional Values

- Meet students where they are at
- Focus on student success
- Provide a high value learning experience
- Work collaboratively and build relationships
- Advance diversity, equity and inclusion
- Promote global competency
- Encourage innovation and creativity
- Pursue quality and continuous improvement
- Meet community and workforce needs
- Practice financial stewardship

As a Minnesota state college, we have the advantage of system level planning that incorporates significant research and development. The strategic direction provided to Northland through Minnesota State is an asset as we strive to meet our mission and vision in serving our students and regional partners. Strategically incorporating this system level work into our regional work and experience is a key element of this Academic Master Plan framework.

Framework

1. The core of the framework is a rolling plan that prioritizes initiatives on a three-year horizon.

2. The number of initiatives in each year will depend on the size and depth of the specific projects. A range of 2-6 initiatives is typical.

3. An effort to balance initiatives, over time, across the following categories will be made. The categories include:

    a. Category 1: Program Development
        i. Examples include: significant change in delivery mode, new program development, academic program work tied directly to attracting students, initiatives affecting efficiency and delivery of several or all academic programs, etc.
        ii. This does not include typical maintenance program work to stay current with industry and/or program accreditation standards, or similar ongoing work to maintain sound academic programing.

    b. Category 2: Student Engagement and Success
        i. Examples include initiatives tied to assessment of student learning, student completion at course, course sequence, and program levels, academic advising, and initiatives tied to engagement of diverse learners within academic settings such as classrooms, laboratories, or field experiences.
        ii. This does not include typical maintenance of existing processes in areas such as assessment or advising.

    c. Category 3: Professional Development and Training
        i. Examples include major initiatives to adjust faculty professional development processes, significant training initiatives at the department or college level, and special efforts to focus on specific development areas at the college level.
        ii. This does not include ongoing processes with professional development including coordinator work and in-service planning.

4. Process for annual identification of strategic initiatives.
    a. Identify academic initiatives from relevant Minnesota State strategic planning and/or relevant Minnesota State mandated initiatives.
    b. Potential Northland initiatives are identified through an annual open meeting held each Spring prior to mid-March. The collection of Northland initiatives through an annual meeting may be augmented by the use of email, MS Teams, or similar electronic means.

c. Meet annually within the process, prior to mid-March, with students to identify and review initiatives.
d. Overlap of initiatives in the following areas are identified:
    i. Northland's Strategic plan.
    ii. Northland's Equity and Inclusion Plan.
    iii. Minnesota State Strategic Initiatives.
    iv. Northland Facilities Master Plan.
e. Categorize initiatives according to the three-part categories outlined above.

5. Ranking and setting of strategic initiatives.
    a. A special meeting of AASC faculty and administrative membership is held in late March with the purpose of identifying the specific initiatives to be pursued in the coming fiscal year, as well as a ranking of initiatives for years two and three within the rolling plan.
        i. This ranking considers those elements identified above, including balance within the three Categories and system level required initiatives.
        ii. Inclusion of multiple year initiatives are placed within the rolling plan (i.e., identified as carrying forward over the three-year cycle as appropriate).
        iii. Potential lead individuals are identified for initiatives, particularly those for the coming fiscal year.
        iv. Potential budget source(s) are identified for all initiatives, including those in years one, two, and three. Budget availability is aligned with the number of initiatives, as well as NCTC Master Plan, Facilities Plan, and E&I Plan.
    b. The recommendations from the AASC special meeting are forwarded to the April AASC meeting for final review, revisions, and approval.

6. AASC receives bi-annual updates on progress in November and April.
7. As a new strategic plan, the full framework will be reviewed in year three (Spring, 2024). The framework may be revisited prior to this if there are clear issues in its functionality. Assuming the framework and planning cycle is functioning well at the three-year review, the framework full-review cycle will adjust to a five-year cycle.

Initiatives identified over three-year rolling plan (Living Section)

This Section of the AMP is tracked within a separate Document in Excel Format. See attachment: "AMP Initiatives…"

Challenges and Accomplishments (Living Section)

With the initial development of the Academic Master Plan 2020, there are a few potential areas of challenge we wish note for special attention as the plan is implemented.

- The college budget cycle has a February deadline for submission. This timeline does not fit comfortably with the April timeline for finalizing initiatives. With this in mind, those items identified on the Two-Year Horizon should have budget requests submitted in February. This may be a good fit as part of revisiting the Two-Year Horizon initiatives in April and moving them ahead to coming year projects can be informed by budget determinations. The balance and fit of budgeting and planning needs to have special attention paid to it through implementation.

- Assuring the plan itself is integrated into the work of AASC and the work of the college community as a whole is a challenge. There is a history of master plans not remaining integral to the work of the college. While the design of this plan in intended to change this, making this change to the institutional culture will require attentiveness beyond a couple of meetings at AASC.

7.0 APPENDIX

Northland Community and Technical College

Diversity Plan

FY2017-FY2020

Table of Contents

INTRODUCTION

Our goal at Northland Community and Technical College (NCTC) is to foster an environment that is conducive for all learners served within our communities.

NCTC serves a diverse population. The average age of our student body is 26; approximately 60% of our students are first first-generation college students (Federal TRIO), and 35% were Pell eligible in FY14. Our college serves two of the three poorest counties per capita (Mahnomen and Clearwater counties) in the state of Minnesota. While the actual percent of our students of color may seem low to some at 16%, this number is more than twice the minority population of the broader communities we serve.

Our East Grand Forks campus is located within a community that serves as a relocation site for refugees primarily from Nepal and Somalia. Meeting the needs of this immigrant community while serving our workforce is a new pressure on the college, but one that we are taking positive steps to reach. Our Thief River Falls campus is in close proximity to both the Red Lake and White Earth Reservations. Within both of our primary communities, unemployment rates are quite low (under 3%) and our business partners feel the pressure to find qualified employees. Through creating a positive learning environment for diverse learners NCTC can positively help industries meet the regional employment demand while strengthening our communities.

While the percent of our students of color outpaces that of our broader communities, the same is not true of our employees of color (which more closely mirrors our broader communities). As a result, students at NCTC have a greater challenge in finding faculty and staff that reflect their own background and experience. This challenges us to assure we provide an environment that allows all of our students to have a supportive and positive learning experience.

RATIONALE

The rationale for our plan is, at the core, to meet our mission and best serve all learners within our communities. More specifically, we will ensure all levels of the institution foster success among a greater number of our students. The success of our current students is one of our best means to reach a broader cross section of diverse communities. We support a definition of diversity that is inclusive of all groups and is broader than ethnicity, race, and gender. With the ongoing support of the institution we will then continue to attract a diverse and vibrant student body.

DEVELOPMENT & SCOPE OF NORTHLAND COMMUNITY & TECHNICAL COLLEGE DIVERSITY PLAN

This diversity plan was developed through intensive work by a broad cross section of administrative leadership within the institution. It is built off of our current diversity plan with the outcome of developing more specific and measureable goals. This diversity plan is well integrated within the institutional mission, our academic master plan, our quality initiative for the Higher Learning

Commission (HLC), and the Minnesota State Colleges and Universities Charting the Future strategic plan.

INSTITUTIONAL MISSION STATEMENT

Northland Community & Technical College is dedicated to creating a quality learning environment for all learners through partnerships with students, communities, businesses, and other educational institutions.

CORE THEME

Our core theme is aligned with the institution's mission statement, and supported by our academic master plan and HLC quality initiative. Within our academic master plan, for example, Goal 5 aims to improve our faculty training experiences as a part of a quality education (Core Value 1). Our academic master plan further seeks to Ensure Student Success (Core Value 2) through Goal 7, increased contact between faculty, staff and students as well as Goal 2, providing a broad based curriculum for our students.

NCTC seeks to increase our recruitment and success of students within our diverse communities. This can be seen in Goal 1, improve recruitment and retention strategies as well as Goal 11, satisfying the unique needs of diverse groups and upholding the rights of all members of the community. In Goal 19 we seek to develop partnerships with business and industry as part of service to our external community partners (Core Value 5). See the full NCTC Academic Master Plan at http://www.northlandcollege.edu/amp/. Moreover, our HLC quality initiative, Commit to Complete, has as its primary goal increasing student success at NCTC.

Through continued efforts to increase our faculty and staff training on best practices, pedagogy, and general awareness, as well as additional efforts to recruit and retain a diverse and qualified faculty and staff, NCTC will continue to serve our core mission of creating a quality learning environment for all learners through partnership.

INCLUSIVE VISION & VALUES STATEMENT

It is an integral part of Northland Community and Technical College's mission to acknowledge, understand, value, and celebrate the diverse heritage, cultures, and individuals within our learning environment and communities.

GOALS

Goals for Diversity Core Theme			
Goal #1	Goal #2	Goal #3	Goal #4
Recruit and retain a diverse student population providing equitable access and opportunity to be	**Attract and retain employees who embody and reflect diversity and inclusion.**	**Foster academic success of a diverse student body.**	**Ensure leadership commitment and accountability to diversity efforts at all levels of the**

successful in higher education.			**institution through an aligned strategic effort.**
Access, Equity, and Opportunity	**Employee Diversity and Inclusion**	**Community Engagement and Inclusion**	**Supportive Campus Environment**

INSTITUTION Diversity Plan Framework			
Goal #1 Recruit and retain a diverse student population providing equitable access and opportunity to be successful in higher education.	**Goal #2 Promote awareness and recruitment efforts to increase diversity of faculty and staff to be representative of the student population.**	**Goal #3 Foster academic success of a diverse student body.**	**Goal #4 Ensure leadership commitment and accountability to diversity efforts at all levels of the institution through an aligned strategic effort.**
Objective #1 *Promote Northland to specific diverse populations within our primary and secondary markets through targeted advertising and communications while building awareness of the Northland brand by showcasing the value of a Northland education.*	Objective #1 *Advertise job vacancies that target diverse applicant populations and expand search committee members to employees, students and community members that are as diverse as possible.*	Objective #1 *Employ a continuous improvement model for evaluating program effectiveness through metrics that reinforce inclusive content.*	Objective #1 *Define duties of the CDO to reflect opportunities to improve outcomes specifically related to diversity throughout the college with a primary focus of reducing the achievement gap.*
Objective #2 *Host and visit in community, high school, career, and college events that have significant populations of diverse students, and maintain key relationships with directors, counselors,*	Objective #2 *Provide all employees accurate expectations with opportunities for life-long learning and fair assessment of their accomplishments.*	Objective #2 *Engage students, community partners, and employees in opportunities that are focused on enhancing and increasing unique individual experiences in order to ensure academic success of all students.*	*Objective #2 Provide professional development related to diversity, the achievement gap, and student success to all institutional leaders involved in supporting the NCTC diversity plan.*

advisors, and others focusing on recruitment.			
Objective #3 ***Provide academic and student services focused on retention and success for all students.***		Objective #3 *Using current data, analyze perceptions of the students, community, and employees of NCTC to improve student experiences, reduce the achievement gap, and improve diversity efforts.*	*Objective #3 Review and assess leadership's commitment to implementation of diversity efforts and institutional outcomes for all students.*
		Objective #4*: Insure opportunities and tools for success are readily available for all students.*	
		Objective #5 *Integrate key elements of diversity throughout the academic curriculum, with a primary focus on the value of diversity to our culture and its application in a global society.*	

GOAL #1 – Recruit and retain a diverse student population providing equitable access and opportunity in order to be successful in higher education.

Objective #1 Promote Northland to specific diverse populations within our primary and secondary markets through targeted advertising and communications while building awareness of the Northland brand by showcasing the value of a Northland education.

Community Engagement and Inclusion	#	Action Steps	Primary Stewards	Proposed Partners	Completion Target
Enhance general marketing efforts	1	1.1.1 - Continue to expand diversity visuals through creative digital and print on current marketing and recruitment materials including, but not limited to; college website, virtual tour, view book, brochures and social media.	Director of Marketing, Director of Enrollment Management		10-01-16
	2	1.1.2 - Utilizing the We Are Northland featured story series, marketing will create a schedule unique to stories reflecting diversity from the perspectives of students, faculty/staff, and alumni to strengthen the NCTC message of being a welcoming learning environment for all.	Director of Marketing, EGF Campus Dean, TRF Campus Dean	Academic Deans	01-01-17
	3	1.1.3 - Create specific mailing communications focused on inclusion that highlights community-wide diversity for inquiries who identify themselves as being from a diverse population.	Director of Marketing, Director of Enrollment Management		09-01-16
	4	1.1.4 - Expand Online Search Ads efforts through targeted online/mobile display advertising to Digital Display Networks, to target populations and tailoring the creative and messaging as needed to reach diverse teens in our primary geographic market.	Director of Marketing, Director of Enrollment	President's Council, Academic Deans	08-01-16
	5	1.1.5 - Enhance Web Content by examining the analytics of target audiences, creating Search	Director of Marketing	Dean of Student Affairs,	08-01-17

		Engine Optimized and Online Audience Optimized content, and utilizing the Gunning Fog Index on new content.		Student Affairs Supervisors	
	6	1.1.6 - Redesign current diversity website and develop an OAO (Online Audience Optimization) strategy designed for online/mobile search to meet target audience searches.	Director of Marketing	Dean of Student Affairs, Director of Enrollment Management, CDO	02-01-18
	7	1.1.7 - Collaborating with the enrollment office, create an inclusive strategy to provide Google Cardboard Virtual Reality Goggles to guidance counselors at high schools with diverse populations within our target market to showcase our virtual tour. Utilize MnACC (MN Association of Counselors of Color) for potential HS outreach.	Director of Marketing, Director of Enrollment Management		05-01-17 (dependent upon grant funding)
	8	1.1.8 - Create specific marketing materials designed for MN DEED, MN WFC, and MN DHS workers that represent minorities across MN at the annual MN Joint Counselor Conference. Utilize VR Goggles to showcase NCTC to them as exhibitors.	Director of Marketing, Director of Enrollment Management	College Community	05-01-17 (dependent upon grant funding)
	9	1.1.9 - Create on-campus visuals/signage, structured along all tour routes, to reflect inclusion and diversity at NCTC.	Director of Marketing, Director of Enrollment Management	Facilities, College Community	02-01-17
	10	1.1.10 - Create a talking points guide to provide to all student ambassadors and tour guides that highlights diversity services,	Director of Enrollment Management	Dean of Student Affairs,	02-01-17

		inclusion, and community-wide diversity to be utilized on all campus tours.		Director of Marketing	
Comprehensive Marketing/ Enrollment Plan	11	1.1.11 - Develop comprehensive marketing and enrollment plan that includes diversity components identifying specific target audiences based on the largest diverse populations within our primary target market and secondary metro markets.	Director of Enrollment Management Director of Marketing	Academic Success Coordinator, College Community	07-01-17

GOAL #1 – Recruit and retain a diverse student population providing equitable access and opportunity in order to be successful in higher education.

Objective #2: Host events and visit in communities, high schools, career and college events that have significant populations of diverse students, and maintain key relationships with directors, counselors, advisors, and others focusing on recruitment.

Access, Equity, and Opportunity	#	Action Steps	Primary Stewards	Proposed Partners	Completion Target
Participation in community, college and other events	1	1.2.1 - Participate in career and college fairs which target diverse populations such as: National College Fair (NCF) in Minneapolis, Bemidji Transition Fair, Minnesota Indian Education Association (MIEA), Leech Lake Career Fair, Red Lake Career Fair and White Earth Career Fair.	Director, Enrollment Management	Recruitment Staff, College Community	Maintain Enrollment Calendar, September – May each year
	2	1.2.2 - Participate in high school visits in areas that have significant populations of diverse students including high schools on the Leech Lake, Red Lake, White Earth, Fond Du Lac, Turtle Mountain, Spirit Lake, Red River, and Minneapolis Metro area and Adult Learning Centers.	Director, Enrollment Management	Recruitment Staff, Athletic Staff	Maintain Enrollment Calendar, September – May each year

	3	1.2.3 - Targeted seminars on college admissions and success in the high schools. Maintain list of dates and locations. Hold Financial Aid nights.	Financial Aid Staff, Director, Enrollment Management	Recruitment Staff	Maintain Enrollment Calendar, November-April each year
Key Relationships	4	1.2.4 - Contact school counselors and other "center of influence" individuals via email, mail, or phone and develop relationships which foster referrals of diverse students to include Minnesota High School counselors and Tribal representatives.	Director, Enrollment Management	Recruitment Staff	Maintain Local and Regional High School Contact List, Ongoing
	5	1.2.5 - Coordinate targeted campus visits for students and their advocates from diverse backgrounds. Explore Oracle Service Cloud for data maintenance.	Director, Enrollment Management	Recruitment Staff	Ongoing, 5-31-17
		1.2.6 - Create a descriptive and accurate brochure of Diversity Services at NCTC, and include this as part of prospect and applicant student mailing e-Communication Plan.	Student Life Success Coordinator, Director of Marketing	Director of Enrollment Management	Diversity promotion piece developed, 5-31-17

GOAL #1 – Recruit and retain a diverse student population providing equitable access and opportunity in order to be successful in higher education.

Objective #3: Provide academic and student services focused on retention and success for all students.

Access, Equity, and Opportunity	#	Action Steps	Primary Stewards	Proposed Partners	Completion Target
Maintain contact with students	1	1.3.1 – Craft an easily accessible database of external scholarships, relevant to underrepresented students, maintained on the NCTC website.	Director of Enrollment Management	Student Life Success Coordinator, CDO, advisors,	8-31-16

				counselors, faculty, Director of Marketing	
	2	1.3.2 - Diversity coordinator will plan and refine events that expose students to transfer opportunities for baccalaureate degree options.	Student Life Success Coordinator	EGF Campus Dean, TRF Campus Dean, CDO	Each year, coordinated with advisors, counselors and transfer staff at MnSCU 4-year (Sept – Apr)
	3	1.3.3 Leverage student life dollars to stage programs that ask students to confront equity and inclusion questions and sensitize them to such issues.	Student Life Success Coordinator	Student Organizations/Stakeholders	Annually, coordinated with faculty and regional/statewide (Sept-Apr)
	4	1.3.4 - Host Annual Welcome Wednesdays providing students with information on study skills, library resources, stress management, and scholarships, to increase student's readiness for the academic experience.	Student Life Success Coordinator	Director, Enrollment Management, Welcome Wednesday Coordinator on each campus	Annually, 1st/2nd week of fall semester
	5	1.3.5 – Study feasibility of securing a TRIO *Talent Search* grant to improve recruitment and persistence of underrepresented students. If feasible, make application in FY '18 or '19	CDO	Director, Enrollment Management, EGF Campus Dean, TRF Campus Dean, Student Life Success Coordinator	5-31-17

	6	1.3.6 – Consider ways to acknowledge and celebrate student's cultural identities and contributions during commencement exercises	CDO	Director, Enrollment Management, Campus Deans, Student Life Success Coordinator Graduation Committee, President's Council	2-28-17, annually thereafter.
	7	1.3.7 – Update Student Senate portion of website and write new internal flyer/half-brochure (that is visually appealing and culturally sensitive) to elicit involvement in campus and student life.	Student Life Success Coordinator	Director of Marketing	8-19-16
Academic and student services availability	8	1.3.8 - Utilize an early alert system to track students at academic risk. Explore Oracle Service Cloud for data maintenance.	Director, Enrollment Management	Director, Enrollment Management, Director of Academic Success Center, Director of Marketing	Continue with Early Alert each semester; determine Oracle feasibility by 5-31-17

GOAL #2 – Promote awareness and recruitment efforts to increase diversity of faculty and staff to be representative of the student population.

Objective #1: Advertise job vacancies that target diverse applicant populations and expand search committee members to employees, students and community members that are as diverse as possible.

Employee Diversity and Inclusion	#	Action Steps	Primary Stewards	Partners	Completion Target
Employee searches	1	2.1.1 - Advertise job vacancies to include publications that target	CHRO	Search Chair NeoGov	Ongoing

		potential applicants from protected groups and through agencies that serve diverse populations.		MN Jobs HERC MN Diversity Diversityinc.com	
	2	2.1.2 - Include the link to the college's diversity plan on position openings.	CHRO	Marketing	Ongoing
	3	2.1.3 - Allow for expense reimbursement for long distance expenses incurred by potential candidates.	CHRO	CFO, President's Council	Ongoing
Search Committee engagement	4	2.1.4 - Ensure that search committees are as diverse as possible by expanding search committee structure to employees, students and community members as appropriate.	CHRO	CDO, other DCs as needed, President's Council	Academic Year 2016/17
	5	2.1.5 - Provide search committee members with a comprehensive tool kit with information about position responsibilities and qualifications, underutilization data regarding vacancies, and hiring goals contained in the Affirmative Action Plan.	CHRO	CDO, HR staff	Ongoing

GOAL #2 – Promote awareness and recruitment efforts to increase diversity of faculty and staff to be representative of the student population.

Objective #2: Provide all employees accurate expectations with opportunities for life-long learning and fair assessment of their accomplishments.

Employee Diversity and Inclusion	#	Action Steps	Primary Stewards	Partners	Completion Target
Employee expectations	1	2.2.1 - Ensure accurate position descriptions and expectations for successful performance are	CHRO	CDO, all other DC's	Ongoing – improvements have

and assessment		identified through the performance management system.			been made beginning FY15.
	2	2.2.2 - Conduct new employee orientation to provide individuals with an increased understanding of the college's inclusive environment.	CHRO	CDO, other DCs as required	9-30-16, annually thereafter
	3	2.2.3 – Explore the need to formalize a peer mentoring program for employees.	CHRO, CDO	All other DC's	12-31-16
	4	2.2.4 - Implement employee recognition programs such as employee service awards and recognition of achievement awards.	CHRO	President's Cabinet	9-30-16
Employee life-long learning	5	2.2.5 - Provide professional development opportunities.	CHRO	EGF Campus Dean, TRF Campus Dean Faculty PD mentors; Speakers; Brown-bag lunch; webinars, etc.	Annually 5-31-17

GOAL #3 – Foster academic success of a diverse student body.

Objective #1: Employ a continuous improvement model for evaluating program effectiveness through metrics that reinforce inclusive content.

Academic Success	#	Action Steps	Primary Stewards	Partners	Completion Target
Enhance educational opportunities through inclusion	1	3.1.1 - Integrate diversity efforts within programs and courses by developing opportunities with key curriculum groups such as	CDO	Academic Deans, Dean of Student Affairs	5-31-17

training and evaluation.		AASC, APR, and the Developmental Committee.			
	2	3.1.2 - Include annual diversity goals and objectives into groups working with curriculum.	CDO	EGF Campus Dean TRF Campus Dean, Dean of Student Affairs, college community	9-30-17
	3	3.1.3 - Integrate diversity efforts into curriculum handbook.	TRF Campus Dean, EGF Campus Dean	CDO	Annually 5-31-17

GOAL #3 – Foster academic success of a diverse student body.

Objective #2: Engage students, community partners, and employees in opportunities that are focused on enhancing and increasing unique individual experiences in order to ensure academic success of all students.

Academic Success	#	Action Steps	Primary Stewards	Partners	Completion Target
Implement actions and events supporting academic success	1	3.2.1 - Collaborate with NCTC Foundation to offer scholarships targeting students of color and/or underrepresented students and encourage these students to apply for Foundation scholarships to reduce the achievement gap.	Exec. Director of Foundation	Director, Enrollment Management, Foundation Scholarship Committee/ Donors, CDO	12-31-16
	3	3.2.2 - Host Presidential Meet and Greet allowing students the opportunity to meet with the President and other academic personnel to allow staff to	Student Life Success Coordinator	All, College Community	9-30-16

		showcase inclusive educational opportunities.			

GOAL #3 – Foster academic success of a diverse student body.

Objective #3: Using current data, analyze perceptions of the students, community, and employees of NCTC to improve student experiences, reduce the achievement gap, and improve diversity efforts.

Academic Success	#	Action Steps	Primary Stewards	Partners	Completion Target
Use data to enhance NCTC student diversity	1	3.3.1 – Assess the CCSSE survey results to improve experiences and needs of diverse students on campus, reduce the achievement gap, and provide direction for diversity efforts.	Director, Enrollment Management	Dean of Student Affairs EGF Campus Dean, TRF Campus Dean, College Community	Bi-Annually, 3-31-17
	2	3.3.2 – Implement change based on assessment of CCSSE and SENSE data.	Director, Enrollment Management	Student Life Success Coordinator, EGF Campus Dean, TRF Campus Dean, Dean of Student Affairs Director of Academic Success Center, CDO	3-30-17 and annually
	3	3.3.3 – Evaluate program effectiveness and sustainability metrics with criteria that is focused on data outlining success metrics focused on decreasing the number of students affected by the achievement gap.	VP of Academic and Student Affairs	Academic Deans	5-31-17

GOAL #3 – Foster academic success of a diverse student body.

Objective #4: Insure opportunities and tools for success are readily available for all students.

Community Engagement and Inclusion	#	Action Steps	Primary Stewards	Partners	Completion Target
Student opportunity	1	3.4.1 - Provide no-cost learning and tutoring services for all students through the Academic Success Center.	Director, Academic Success Center	EGF Campus Dean	7-31-16
	2	3.4.2 – Provide no-cost online learning tools for all students, especially online students.	Director, Academic Success Center	EGF Campus Dean, Distance MN Staff	5-31-17

GOAL #3 – Foster academic success of a diverse student body.

Objective #5: Integrate key elements of diversity throughout the academic curriculum, with a primary focus on the value of diversity to our culture and its application in a global society.

Supportive Campus Environment	#	Action Steps	Primary Stewards	Partners	Completion Target
Develop diversity opportunities into the curriculum.	1	3.5.1 - Integrate diversity efforts into curriculum handbook.	EGF Campus Dean, TRF Campus Dean	CAO, academic deans, academic coordinator	1-1-17
	2	3.5.2 – Incorporate a course objective and activity that reflects the diversity in the course subject matter.	CDO, EGF Campus Dean, TRF Campus Dean	CAO, academic deans, academic coordinator	1-1-17

GOAL #4 – Ensure leadership commitment and accountability to diversity efforts at all levels of the institution through an aligned strategic effort.

Objective #1: Define duties of the CDO to reflect opportunities to improve outcomes specifically related to diversity throughout the college with a primary focus of reducing the achievement gap.

Supportive Campus Environment	#	Action Steps	Primary Stewards	Partners	Completion Target
CDO and CDOA relationships to college groups	1	4.1.1 - Define President, Chief Diversity Officer (CDO) and Diversity Coordinators (DC) relationships within the organizational chart.	CDO	all DCs	8-15-16
	2	4.1.2 - Complete position description updates for CDO and DCs.	CHRO, CDO	all other DCs	8-15-16
Establish CDO and Diversity groups	3	4.1.3 – Develop standard operating procedure or policy outlining diversity efforts at NCTC.	CDO, all CDs	Diversity committee	10-15-16

GOAL #4 – Ensure leadership commitment and accountability to diversity efforts at all levels of the institution through an aligned strategic effort.

Objective #2: Provide professional development related to diversity, the achievement gap, and student success to all institutional leaders involved in supporting the NCTC diversity plan.

Supportive Campus Environment	#	Action Steps	Primary Stewards	Partners	Completion Target
Opportunities for Growth	1	4.2.1 – Support administrative professional development through conferences, WebExs, meetings, and system level training opportunities.	CDO	All DCs	Ongoing

GOAL #4 – Ensure leadership commitment and accountability to diversity efforts at all levels of the institution through an aligned strategic effort.

Objective #3: Review and assess leadership's commitment to implementation of diversity efforts and institutional outcomes for all students.

Supportive Campus Environment	#	Action Steps	Primary Stewards	Partners	Completion Target
Leadership commitment and accountability	1	4.3.1 – Provide annual assessment and feedback of CDO and DCs performances related to relevant position description duties.	President, CDO and DCs with supervisory responsibilities.	All DCs	6-30-17 and annually afterwards
Assessment of institutional effort	2	4.3.2 – Analyze progress of institution at closing the achievement gap for students of color on an annual basis.	CDO and DCs	Dean of Student Affairs	6-30-17 and annually afterwards
	3	4.3.3 – Analyze progress of institution at maintaining or improving achievement for Pell eligible and first generation students on an annual basis.	CDO and DCs	Dean of Student Affairs	6-30-17 and annually afterwards
	4	4.3.4 – Assess NCTC Diversity Plan on an annual basis to assure implementation is reaching desired outcomes.	CDO	All DCs	6-30-17 and annually afterwards

ACRONYMS

1. CDO-Chief Diversity Officer
2. DC-Diversity Coordinator
3. AASC-Academic Affairs and Standards Committee
4. APR-Academic Program Assessment/Review
5. NCTC-Northland Community and Technical College
6. MnSCU-Minnesota State Colleges and Universities

KEY TERMS & DEFINITIONS

1. CDO (Chief Diversity Officer)-Individual responsible for implementation of the diversity plan at NCTC. Works with DC's to accomplish desired outcomes of diversity plan and chairs the diversity committee. Responsible to the president for completion of the diversity plan.

2. DC (Diversity Coordinator)-Individual assigned to one of seven key areas in human resources, student affairs (admissions/recruiting), student affairs (student life), academic affairs (EGF dean), Academic Affairs (TRF dean), academic success center director, and Director of the NCTC Foundation. Portions of the college diversity plan responsibilities are included in the position descriptions for these people. These positions do not necessarily report to the CDO but are responsible to the CDO for accomplishment of their position description tasks. DC's are identified as for this plan as follows:

3. Diversity Committee-Group comprised of CDO, DOs, Dean of Student Affairs, TRF Counselor, EGF Counselor, one faculty member from each division (one per dean's area) and one student from each campus.