HASTINGS UTILITY BOARD
AGENDA

Hastings Public Library, 314 N. Denver Avenue
October 14, 2021
9:00 AM

ROLL CALL:

PLEDGE OF ALLEGIANCE:

MOTION TO ADOPT CURRENT AGENDA FOR October 14, 2021 REGULAR MEETING.

PUBLIC NOTICE - Official Notice of the Regular Meeting was published in the Hastings Tribune on Tuesday, October 12, 2021. Pursuant to Nebraska Revised Statute Section 84-1412, the public is advised that a copy of today's agenda and all reproducible written material which will be discussed at today's meeting is located at the back of the Hastings Library. Also, a current copy of the Nebraska Open Meetings Act is posted on the south wall of the Hastings Library, which is accessible to members of the public.

MANAGER'S COMMUNICATIONS:

BOARD CHAIRMAN'S COMMUNICATIONS:

BOARD MEMBERS' COMMUNICATIONS:

CITIZEN COMMUNICATIONS:

CONSENT AGENDA:

1. All Consent Items.

    (a) Approval of the minutes of the Hastings Utility Board Meeting of September 9, 2021.

REGULAR AGENDA:

2. Unfinished Business of Preceding Meeting.

3. General Business.

    (a) Finance

        i. Cooling/Heating Degree days

    (b) Production

i. Solar Farm Subscribed

(c) Operations

(d) Administration

i. EE Turnover

(e) Other

i. Use of Economic Development Funds for Workforce Recruitment

ii. Strategic Plans Update

4. Possible Closed Session (if necessary or requested).

ADJOURN:

The Hastings Utility Board reserves the right to enter into an executive session at any time during the meeting, in accordance with the Nebraska Open Meetings Act, even though the closed session may not be indicated on the agenda. It is the intention of the Hastings Utility Board to take up the items on the agenda in sequential order. However, the Hastings Utilities Board reserves the right to take up matters in a different order to accommodate the schedule of the Utility Board Members, persons having items on the agenda, and the public.

Department: Utility Administration
Staff Contact:
Utility Board Meeting Date: 10/14/2021

AGENDA ITEM SUMMARY SHEET

Description of Item:

Names of People/Business affected by this action:

Why Council action is required:

Type of action requested:

Suggested motion:

Deadlines associated with action:

Department head comments:

City Administrator comments:

Heat and Cooling Degree Days

- Degree days are based on the assumption that when the outside temperature is 65°F, we don't need heating or cooling to be comfortable.

- Cooling Degree Day Example Calculation
  - The high temperature for a particular day was 90°F and the low temp was 66°F. The temp mean for that day was (90°F + 66°F)/2 = 78°F
  - Because the mean temp is above 65°F:

    78°F – 65°F = 13 Cooling Degree Days
- Heating Degree Day Example Calculation
  - The high temperature for a particular day was 33°F and the low temp was 25°F. The temp mean for that day was (33°F + 25°F)/2 = 29°F
  - Because the mean temp is below 65°F:

    65°F – 25°F = 36 Heating Degree Days

HASTINGS UTILITIES

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Staff Contact:
Utility Board Meeting Date: 10/14/2021

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No Action Required

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HU Employee Turnover *(prior 3 yrs)* Sep '18 – Sep '21

Row Labels	Count of Voluntary Term	Count of Voluntary Term2	Average of Yrs of Service
Deceased	2	3%	
Involuntary	4	6%	
Position eliminated	1	1%	
Resigned - New Job	9	13%	
Resigned - Performance	4	6%	
Retired	28	41%	30.5
Transfer to City	13	19%	
Resigned - Personal	8	12%	
Grand Total	**69**	**100%**	**30.5**

Row Labels	Count of Voluntary Term	Count of Voluntary Term2	Average of Yrs of Service
Retired	**28**	**100%**	**30.5**
A-Gas	1	4%	29.1
B1-Electric	1	4%	26.6
C-Water	3	11%	31.3
E-NDS	1	4%	39.4
F-Combined	10	36%	34.4
G-WEC	12	43%	26.9
Grand Total	**28**	**100%**	**30.5**

HASTINGS UTILITIES

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Suggested motion:

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Department head comments:

City Administrator comments:

11-3-11

AMENDED AGREEMENT
BETWEEN THE BOARD OF PUBLIC WORKS
OF THE CITY OF HASTINGS
& HASTINGS ECONOMIC DEVELOPMENT CORPORATION

This Amended Agreement by and between the Board of Public Works of the City of Hastings and Hastings Economic Development Corporation executed on the 3 day of November, 2011, in substitution for the Agreement between the same parties approved by the Board of Public Works during the course of its regular meeting conducted on the 13th day of October, 2011.

WHEREAS, by virtue of statutory authority of the State of Nebraska and by virtue of ordinances of the City of Hastings the Board of Public Works was established for the purpose of directing and supervising the operation of Hastings Utilities, a proprietary function of the City of Hastings, in the delivery of all utility services, including water, sewer, electricity and natural gas, to residents, businesses and industries of the Hastings Community; and,

WHEREAS, the City of Hastings is a member of the Public Power Generation Agency, a political entity created by virtue of the Interlocal Cooperation Act of the State of Nebraska for the purpose of constructing and operating a two hundred twenty (220) megawatt electrical power generating facility located adjacent to the primary electrical generating facility of the City of Hastings; and,

WHEREAS, by virtue of its membership in the Public Power Generation Agency the City of Hastings and the Board of Public Works have available for sale to its customers and ratepayers an additional thirty-five (35) megawatts of electrical power; and,

WHEREAS, the City of Hastings and Board of Public Works find that it is necessary and appropriate to support businesses and industries now operating in the Hastings Community and to encourage their growth by identifying and by developing new and innovative programs; and,

WHEREAS, the City of Hastings and the Board of Public Works find that it is necessary and appropriate to encourage the creation of and investment in new businesses and new industries in the Hastings Community by identifying and developing new and innovative programs; and,

WHEREAS, by virtue of the provisions of Section 13-315 of the Revised Statutes of the State of Nebraska, the City Council of the City of Hastings may authorize an annual appropriation or expenditure of its general funds and of revenue from any of its proprietary functions for the purposes of promoting economic development by encouraging new investment and new industries and by conducting a publicity campaign promoting the agricultural, manufacturing, commercial and utility resources of the Hastings Community through the services of a local development corporation such as Hastings Economic Development Corporation; and,

WHEREAS, the Board of Public Works and Hastings Utilities have in place policies created for the purpose of encouraging investment and new businesses and industries in the City of Hastings by delivery of utility commodities and services at demand rates intended to encourage the growth of existing businesses and industries in the electric service area of Hastings Utilities and to encourage the creation of and investment in new businesses and new industries in the electric service area of Hastings Utilities; and,

WHEREAS, Hastings Economic Development Corporation, a not-for-profit local development corporation organized and existing under the statutes of the State of Nebraska, was created in 1973 for the purpose of bringing new investment, new business and new industry to the Hastings Community; and,

WHEREAS, since its organization Hastings Economic Development Corporation has successfully promoted the growth of business and industry already located in the Hastings Community and has persuaded other companies to locate new business and industry in the Hastings Community; and,

WHEREAS, the City of Hastings has experienced significant benefits from prior agreements between the Board of Public Works and the Hastings Economic Development Corporation resulting in the growth of existing businesses and industries and in the creation of new businesses and industries in the Hastings Community; and,

WHEREAS, it is in the interest of the City of Hastings and of Hastings Utilities to continue to encourage economic growth in the Hastings Community through the services of the Hastings Economic Development Corporation; and,

WHEREAS, the Mayor and City Council of the City of Hastings have approved Resolutions authorizing the appropriation and expenditure of its general revenue and of revenue from any of its proprietary functions under the provisions of Section 13-315 of the Revised Statutes of the State of Nebraska during a period of five (5) consecutive years beginning with its budget for the fiscal year 2012, as follows:

1. An expenditure not to exceed Three Million Dollars ($3,000,000.00) from the Gas Rate Stabilization Fund of Hastings Utilities for promoting economic development by encouraging the growth of existing businesses and industries and the introduction of new businesses and industries in the electric service area of Hastings Utilities;

2. An additional expenditure not to exceed Five Hundred Thousand Dollars ($500,000.00) from the Gas Rate Stabilization Fund for conducting publicity campaigns promoting the agricultural, manufacturing, commercial and utility resources of the Hastings Community; and,

3. Two Million Dollars ($2,000,000.00) constituting temporary partial electrical demand rate reductions by Hastings Utilities in the electric service area of Hastings Utilities;

WHEREFORE, in consideration of the foregoing recitals and considerations and in recognition of the benefit of Hastings Economic Development Corporation to the City of Hastings, to Adams County and to Hastings Utilities, the Board of Public Works and Hastings Economic Development Corporation hereby stipulate and agree:

1. That in accordance with the provisions of Resolution No. 2011-39 of the City Council of the City of Hastings authorizing such appropriation and expenditure during a period of five (5) consecutive years beginning with City budget for the Fiscal Year 2012, Hastings Utilities, on the basis of a written agreement for each specific expenditure approved in a regular or special meeting of the Board of Public Works, shall allocate from its Gas Rate Stabilization Fund for disbursement to Hastings Economic Development Corporation a fund not to exceed Three Million Dollars ($3,000,000.00) for creation of additional employment in new and existing businesses and industries located within the electric service area of Hastings Utilities;

2. That in accordance with the provisions of Resolution No. 2011-39 of the City Council of the City of Hastings authorizing such appropriation and expenditure during a period of five (5) consecutive years beginning with the City budget for the Fiscal Year 2012, Hastings Utilities, on the basis of a written agreement for each fiscal year approved in a regular or special meeting of the Board of Public Works, shall allocate from its Gas Rate Stabilization Fund for disbursement to Hastings Economic Development Corporation a fund not exceeding Five Hundred Thousand Dollars ($500,000.00) for a publicity campaign for promotion of economic development in the Hastings Community;

3. That in accordance with the provisions of Resolution No. 2011-40 of the City Council of the City of Hastings authorizing such appropriation and expenditure during a period of five (5) consecutive years beginning with the City budget for the Fiscal Year 2012, Hastings Utilities, on the basis of a written agreement for each specific reduction approved in a regular or special meeting of the Board of Public Works, shall allocate a value of electric service not exceeding $2,000,000.00 for temporary partial demand rate reductions for applicants within the electric service area of Hastings Utilities recommended by Hastings Economic Development Corporation and by the Review Committee of the Board of Public Works;

4. That Hastings Economic Development Corporation shall continue to exercise maximum effort to promote the purposes for which it was organized and to solicit and to persuade retail and wholesale businesses, commercial enterprises and industrial consumers to locate businesses and plants in the City of Hastings and in Adams County which will consume utilities provided by Hastings Utilities and levelize the generation of electrical power by facilities operated by Hastings Utilities for the benefit of the ratepayers of Hastings Utilities;

5. That the Board of Public Works and Hastings Utilities shall continue to cooperate in the exchange of information for the promotion of the growth of existing businesses and industries and for the development of new businesses and industries in the Hastings Community;

6. That Hastings Economic Development Corporation shall solicit clients and generate applications for consideration for funding under the provisions of this Amended Agreement;

7. That the Executive Board of the Hastings Economic Development Corporation shall evaluate applications for funding under the provisions of this Amended Agreement prior to their submission to the Review Committee of the Board of Public Works;

8. That a Review Committee composed of two (2) members appointed thereto from the members of the Board of Public Works by the Chair of the Board and of two (2) liaisons to the Board of Public Works appointed thereto by the Mayor from the members of the City Council shall review the applications for funding under the provisions of this Amended Agreement and the Review Committee shall submit recommended applications and their written agreements in support thereof for consideration by the Board of Public Works;

9. That the Board of Public Works in a regular or special meeting shall consider applications and written agreements in support thereof recommended by the Review Committee, shall approve or disapprove the application and written agreements in support thereof and, if approved, shall authorize disbursement of funds to Hastings Economic Development Corporation to be distributed to applicants in accordance with the provisions of such applications and written agreements;

10. That in order to provide accountability for funding authorized herein, Hastings Economic Development Corporation shall develop and implement appropriate documentation for loan and security agreements, for mandated performance standards, for claw-back default procedures and penalties and for any other documentation necessary for accounting for disbursement of funds from Hastings Utilities under the provisions of this Amended Agreement through Hastings Economic Development Corporation to applicants under the provisions of agreements approved by the Board of Public Works~~; after deduction of fees and expenses incurred by Hastings Economic Development Corporation for legal and administrative services;~~ amended by Board 11-3-11 SCA DK

11. That Hastings Economic Development Corporation shall provide a single purpose bank account for the limited purpose of receiving and transferring funds under the provisions of this Amended Agreement and that the records of such account shall be available for inspection by the Board of Public Works or by its authorized representative;

12. That funds disbursed under the provisions of this Amended Agreement from Hastings Utilities to Hastings Economic Development Corporation, then disbursed to an applicant under the provisions of a written agreement therefor and subsequently refunded to the Hastings Economic Development Corporation by an applicant shall then be refunded to Hastings Utilities together with an accounting thereof;

13. That this Amended Agreement shall be governed by the Constitutional, statutory and case law of the State of Nebraska;

14. That this Amended Agreement may not be modified or amended except by a mutual writing of the parties; and,

15. That this Amended Agreement shall be binding upon the assignees and successors of the parties.

SIGNED on this 3 day of November, 2011.

HASTINGS ECONOMIC DEVELOPMENT CORPORATION,

by _____

Its President

BOARD OF PUBLIC WORKS of the City of Hastings,

by _____

George Anderson, Chairman

_____

D. Charles Shoemaker, Secretary

Department: Utility Administration
Staff Contact:
Utility Board Meeting Date: 10/14/2021

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Safety Department Strategic Initiatives

HASTINGS UTILITIES

Yearly Calculations for Total Incident Rate

Year	Recordables	NON-Recordables	200,000 =100 Employees @40hours/week @ 50weeks/year	Man Hours Worked	Total Incident Rate
2016	2	6	200,000	385,265	1.04
2017	8	3	200,000	382,962	4.18
2018	2	9	200,000	369,722.48	1.08
2019	6	18	200,000	242,970.53	4.94
2020	3	7	200,000	364,013.60	1.65
2021	1	2	200,000	210,709.42	0.95

TIR Formula Recordable injury time 200,000 divided by man hour worked equals Total incident rate.

425 DAYS WITHOUT A RECORDABLE INJURY WAS A RECORD NUMBER OF DAYS PRIOR TO GETTING OUR FIRST INJURY IN 2021

HASTINGS UTILITIES

VEHICLE INCIDENT RATES			
	Incidents	Mileage	Incident Rate
2018	10	320,144	3.12
2019	7	337,198	2.08
2020	3	340,182	0.88
2021	7	226,425	3.09

Number of incidents X 100,000 miles devided by actual miles driven

HASTINGS UTILITIES

We have purchased a new safety audit program that will be used to audit all Utility Locations and Job sites.

HASTINGS UTILITIES

2021 Gold SAFETY AWARD OF HONOR

HASTINGS UTILITIES

Capital Management Strategic Initiatives

HASTINGS UTILITIES

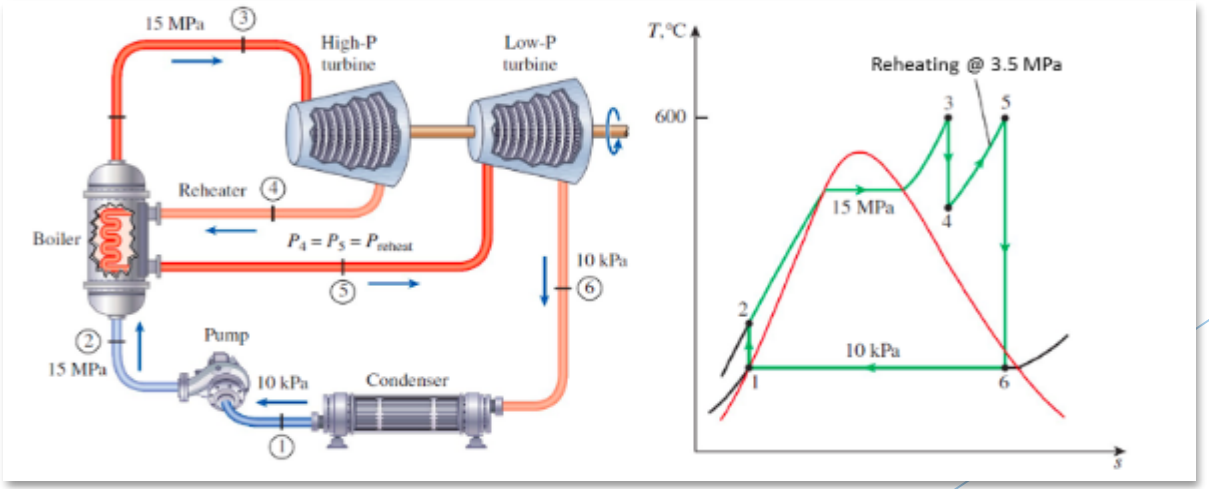
Develop Turbine Performance Monitoring Program

- Use Asset 360 to gather and filter data
- Automate tracking of turbine performance real time
- Analyzing performance can assist in finding problems early

HASTINGS UTILITIES

Turbine Performance Data

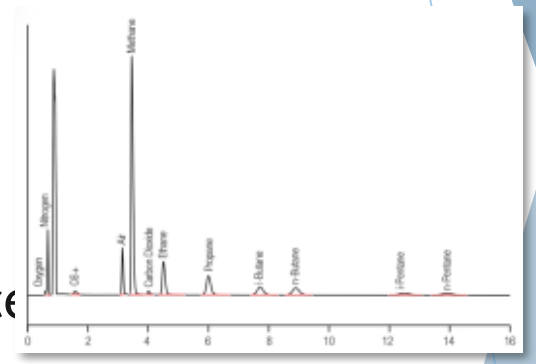
- Monitor turbine section efficiency
- Monitor turbine cycle heat rate
- Perform turbine capacity tests
- Trend corrected cycle steam pressures and other parameters over time
- To date we have set up all monitoring except turbine capacity tests

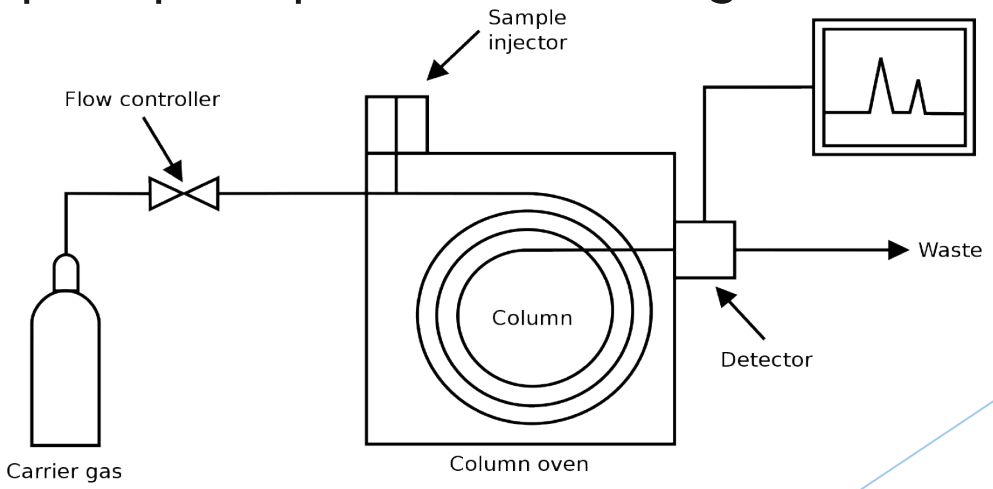


HASTINGS UTILITIES

Improve Interchangeability Criteria for Propane Plant

- Natural gas chemical makeup has changed in recent years
- Standard process needs to be developed
- Use standardized indexes based on AGA input
- Track chromatograph data for future reference
- Trend propane plant performance using historian





HASTINGS UTILITIES

HASTINGS UTILITIES

Improve Interchangeability Criteria for Propane Plant

- APGA information was inadequate
- We have recently joined AGA and plan to review technical literature available from them
- Plan to evaluate the condition of the West Ave specific gravity measuring system to see if replacement is warranted
- Will set up a portable specific gravity measuring device for use in the gas system
- Repair of plant historian will be completed this fall when plant control computer is replaced

HASTINGS UTILITIES

2021/2022 Strategic Initiatives

- Develop Asset 360 reports
- Complete Whelan Energy Center Unit 2 boiler cycling study
- Develop a better process to quantify our capital budget results

HASTINGS UTILITIES

Hastings Community Solar Farm

HASTINGS UTILITIES

Hastings Community Solar Farm – Phase 1 Statistics

- **2,918,826 kwh** of solar energy was produced from January to September of 2021
  - Solar farm generated **3,550,086 kwh** in 2020
- Total of 73 customer accounts are enrolled
  - 11% Commercial ; 89% Residential
- Customer participation
  - 57% Shares; 33% Panels; 10% Combination
- Current capacity of the solar farm is at 78%
  - Pending agreement would make capacity at 96%

HASTINGS UTILITIES

Hastings Community Solar Farm- Strategic Initiative

- With the solar farm nearing capacity, the Utility Department looks to begin Phase 2 and expanding the solar farm.
  - Continued interest in the solar farm from commercial customers to reduce their carbon footprint
  - Utility Department has funds in the current budget to expand the solar farm into Phase 2
  - Staff currently reviewing potential expansion of Phase 1 and/or new locations
  - Staff also reviewing size and generating capacity of Phase 2

HASTINGS UTILITIES

Cost of Service Study- Strategic Initiative

- Cost of Service study for both Water and Sewer Departments to be done in current fiscal year
  - Funds for both COS's were budgeted and approved in 2021-2022 Utility Budget
  - Next step is sending a Request for Proposal

Note: The most recent COS studies for Water and Sewer were performed in 2013 by JEO Consulting

HASTINGS UTILITIES

Outage Management System -Strategic Initiative

- OMS will utilize AMI (Advanced Metering Infrastructure) and AVL (Automatic Vehicle Location)
- Greatly improves Dispatch response time
- Helps with troubleshooting causes of the outages
- Schedule:
  - Currently in proposal review stage
  - Implementation Q3 2022 – Q1 2023

HASTINGS UTILITIES

WEC Strategic Initiatives

2020 / 2021 Strategic Initiatives

Improve LOTO Documentation/Software and Safety Training - LOTO Policy Update and Implement Redtag Enterprise

Water Chemistry Cycling Reliability to Protect Boilers and Turbines - Anodamine Skid Injections on WEC1 and WEC2

Optimize Planning and Scheduling in Maintenance, EI&C and Fuel Handling - KPI Driven

Improve Fuel Handling Locomotive Reliability and Negotiate New Locomotive Lease/Service Contracts

HASTINGS UTILITIES

WEC Strategic Initiatives

Improve LOTO Documentation/Software, Safety Training - LOTO Policy Update/Implement Redtag Enterprise

LOTO Policy Rebuild

- Status as of October 6, 2021; complete

All HU and City Personnel, and contractors at the WEC site are affected by this policy

- **Issues with previous LOTO policy;**
  1. Difficult for team members to comprehend,
  2. Excessively wordy, (previous policy over 40 pages)
  3. Not in compliance with current OSHA guidelines.
  4. Nonstandard language used throughout
- **Obstacles to implementation;**
  1. Locating the appropriate contractor to assist with OSHA compliance
  2. Lack of time available (while managing OT) to devote to refining the details of the policy
- **Benefits**
  1. OSHA compliance
  2. Easier comprehension by team members

HASTINGS UTILITIES

WEC Strategic Initiatives

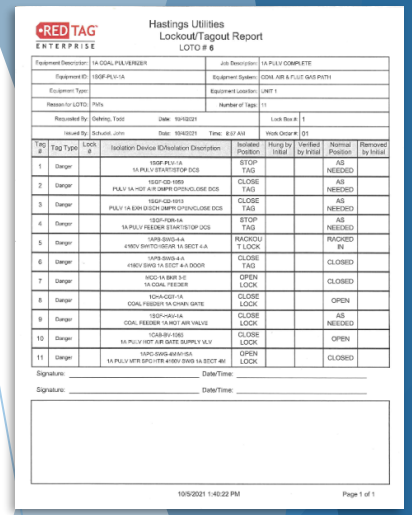
Improve LOTO Documentation/Software, Safety Training - LOTO Policy Update/Implement Redtag Enterprise

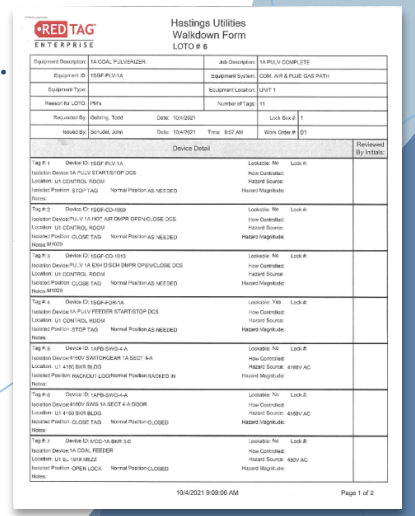
LOTO Software Upgrade

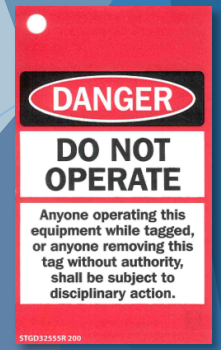
- Status as of October 6, 2021; in progress

All HU and City Personnel, contractors at the WEC site performing work are affected by this software

- **Issues with previous LOTO software;**
  1. Database is very cluttered
  2. Corrupting the database is very easy
  3. Lack of access control to the various facets of the software
  4. Database is located on a single computer
- **Obstacles to implementation;**
  1. Database on old LOTO system did not transfer correctly during multiple data extraction attempts
  2. Lack of time available (managing OT) building new standard LOTO procedures and populate the database.
  3. Manually entering the LOTO isolation devices and adding additional information to each device
- **Benefits**
  1. OSHA annual audit controls
  2. Additional controls over LOTO process to ensure accuracy
  3. Additional information on each LOTO device to aid team members in accurately performing LOTO's





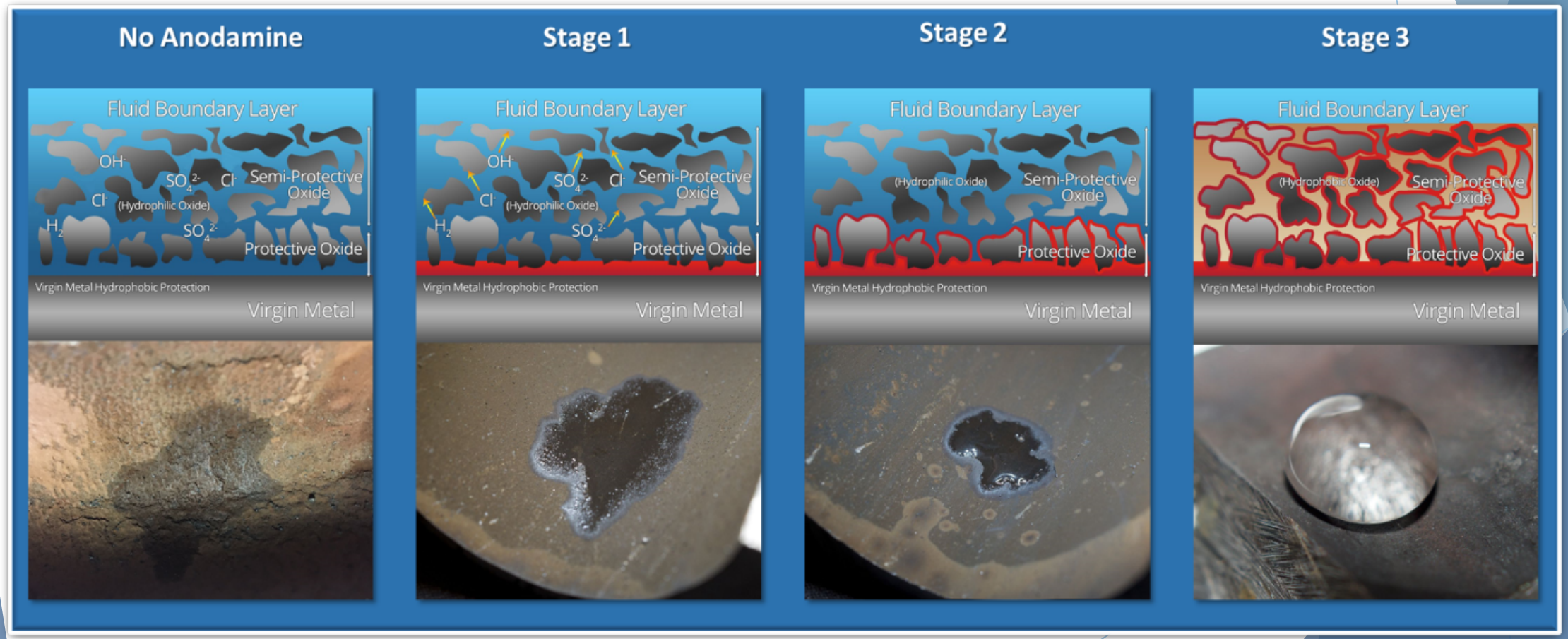


HASTINGS UTILITIES

WEC Strategic Initiatives

Water Chemistry Cycling Reliability to Protect Boilers / Turbines - Anodamine Skid Injections WEC1 and WEC2

- Anodamine targets virgin metallurgies for formation of a hydrophobic protective barrier film to prevent corrosion and extend the life
- Interacts with the hematite and magnetite layers to remove cations (sodium, chloride, sulfate, etc.) without removing oxide passivation layers
- Allows for cleaner chemistry, faster startup, and better long term performance of metal components



HASTINGS UTILITIES

WEC Strategic Initiatives

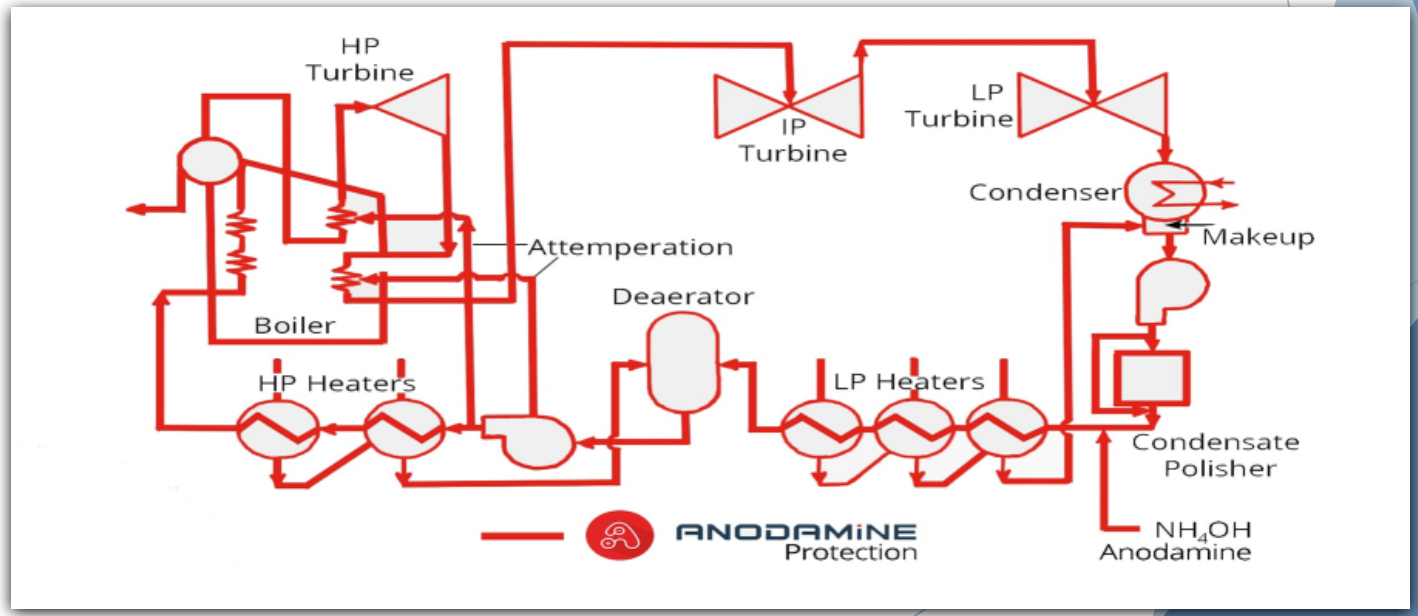
Water Chemistry Cycling Reliability to Protect Boilers / Turbines - Anodamine Skid Injections WEC1 and WEC2

- **Overall potential savings**
  - Boiler cleaning (Unit #2) = $1,000,000
  - Nitrogen blanket system upgrades (Unit #2) = $50,000
  - Defer turbine dehumidification system installation (Unit #2) = $300,000
  - Fuel Oil for Chemical Warm up during extended wet layups = $5,000-7,000/per firing
  - Stop valve rebuilds (Issue in Unit #1) = $60,000+
  - Reduced exfoliation damage to turbine = $35,000 for recoating IP first stage every 5 years

2020 Unit 2 Cycling

Status	Number of days	
On	80	
Off	73	16 outage
On	105	
Off	6	
On	3	
Off	10	
On	4	
Off	62	40 outage
On	4	
Off	18	13 to finish 2020

Total days offline	169
Total days offline for outage	69
Total days online	196
% days offline	46%
% days online	54%

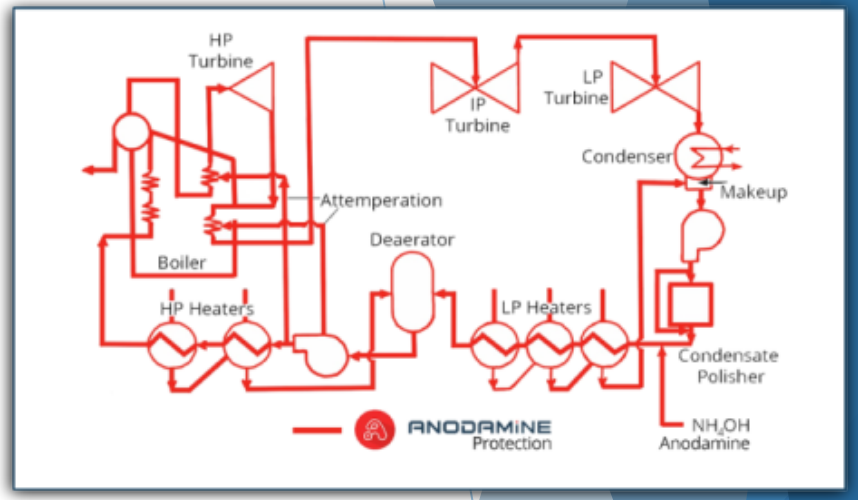


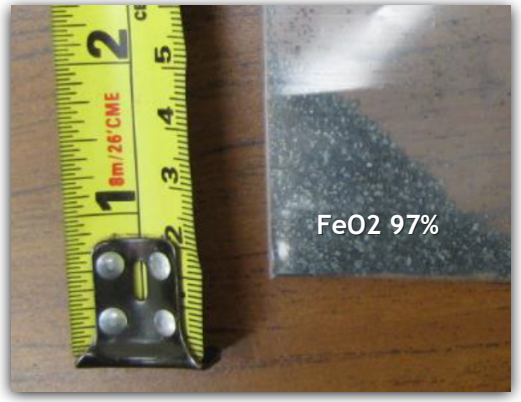
HASTINGS UTILITIES

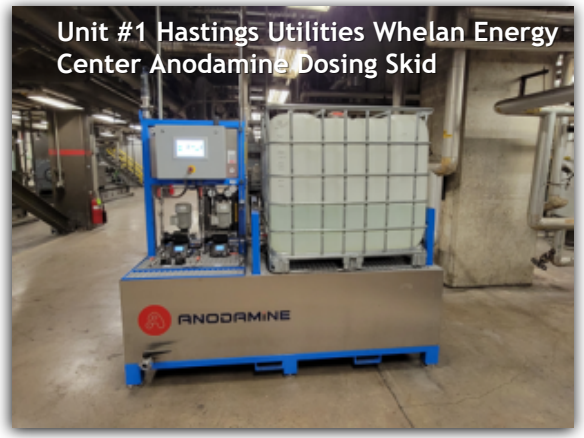
WEC Strategic Initiatives

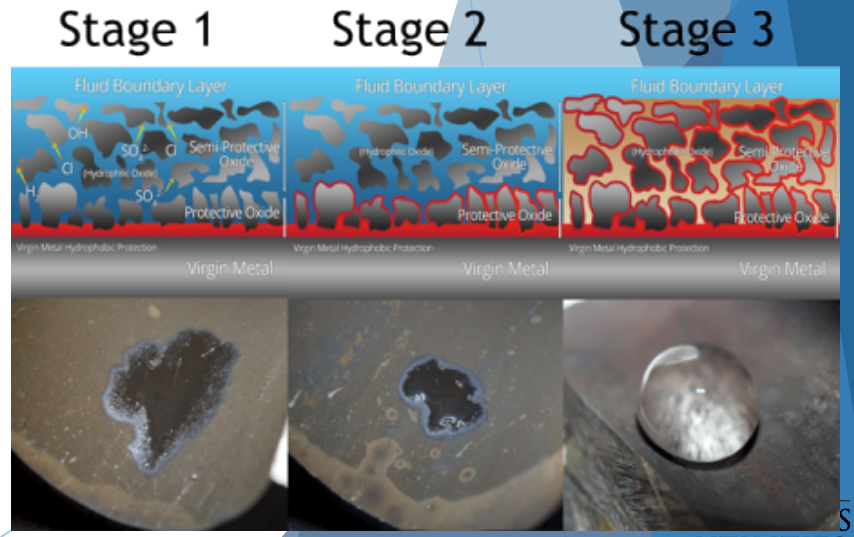
Water Chemistry Cycling Reliability to Protect Boilers / Turbines - Anodamine Skid Injections WEC1 and WEC2

- Complete Major System's Coverage During Cycling and Boiler Layups
- Industry Tested & Proven to NOT Slough Iron or Metallic Layers and Hinder / Damage Critical Components of High Energy Piping and Turbine Blading
- Established a Baseline Inspection During Spring Outage 2021
  - Extra Efforts and Information Detailed by Anodamine Representatives
  - Support of Both Anodamine Specialists and Industry Contacts at Multiple Plants to Guide Our Process
- Testing Success in With Both Lab Analyzer and Samples Shipped has Shown Constant Residual Chemical Feeding Through Boiler Systems
  - We have Reduced the Initial Establishment Dosing which is Stage 1 (Formation of Layer) and have moved to Maintenance Dosing or Stage 2 (Building up Protective Fluid Boundary Layer)
  - Goal to reach Stage 3 (Completely Formed Hydrophobic Layer) between piping metal and system water. This will allow cleaner chemistry re-establishment during cycling events and extended outage protection







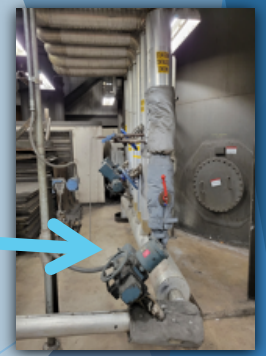


WEC Strategic Initiatives

Water Chemistry Cycling Reliability to Protect Boilers / Turbines - Anodamine Skid Injections WEC1 and WEC2

Anodamine Accomplishments 2021

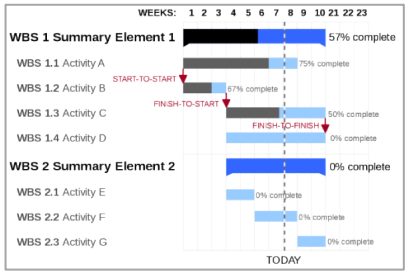
- Baseline Inspection – Rare (Only 1 of last 400+ Startups) Anodamine Representatives get opportunity to see the unit before chemical addition
- Switch to Clean Chemistry – Eliminated Tri-Sodium Phosphate (PO4) and Morpholine + Oxygen Scavenging Chemicals (Morpholine contributes to yellowish "sulfur based" rusting near turbine when unit is dried) *SEE BASELINE PICTURE* Now use only Anodamine + Ammonium Hydroxide
- Analyzer to Test in Lab Anodamine Concentrations Daily (Shared Purchase with PPGA)
- DA Vents and Boiler Blowdown Valving Closed – Reduced the amount of Steam Lost in the System
- Decrease In Monthly Make-up Water Production (60 to 90k less gallons)
    - Decreased Run-time of RO/Demin System (2-4 hours less daily)
- 2nd Inspection During Fall Outage - October 11th, 2021
    - Examine System Internals and Document Changes and Improvements due to Anodamine



WEC Strategic Initiatives

Optimize Planning and Scheduling in Maintenance, EI&C and Fuel Handling - KPI Driven

- Fuel Handling coordinating with Maintenance on entering PMs/Work Orders in Mainsaver improving tracking and accountability
- Establishing estimated time on PMs for the Maintenance and EI&C groups to better track efficiency
- Training Maintenance Mechanics on Mainsaver (CMMS) and currently digitally assigning work instead of printouts
- Setting up workstations for Maintenance to be able to better plan work to align with EI&C
- Introducing GANTT charts as an outage management tool



Improve Fuel Handling Locomotive Reliability

- Worked with RELCO to get another service company (Wabtec) out to service the locomotives
  - Wabtec has overhauled the motor on our backup machine so now we have it available for reliability
  - Wabtec has a plan moving forward to address the chronic air pressure issues on out main locomotive
  - Wabtec is very responsive to issues and have helped us with a number of smaller items to date

HASTINGS UTILITIES

WEC Strategic Initiatives

2021 / 2022 Strategic Initiatives

Improve LOTO Documentation/Software - Continue Implementing Redtag Enterprise

Focus on Leadership Development to Proactively Engage and Motivate Teams

Improve Operational Reliability through Updating IOP's, Training Documents and Process Diagrams

Commission Coal Pile Storm Water Runoff Treatment System for compliance with WEC SWPPP

Redirect RO Reject Water from WEC1 and WEC2 away from Waste Water Sumps/Maxon Lagoon

HASTINGS UTILITIES

Critical Capital Items
Substations 2021-22
WEC, 7th, and B St Substation

- Engineering reviews and Proposal B&V 10-15-21
- One Lines and Engineering Review 12-1-21
- Specification Development for long

  Lead time items 1/24/22
- Bid/Evaluate/Award long lead time items. 2/1/22

HASTINGS UTILITIES

Critical Capital Items
Substations 2021-22
AMI

- Servers and Program Installation 10-29-21
- Meter Exchange Program/Rollout 10-29-21
- Remaining equipment delivery 11-15-21
- Data backhaul equipment Install 11-15-21
- Convert Pilot area to Permanent HU AMI 11-30-21
- Install Rollout meters by route 1-30-22

HASTINGS UTILITIES

Critical Capital Items
Substations 2021-22
FIBER RING

- Fiber Blower 9-30-21
- Fiber on order 36 Week delivery 6-30-22
- Path, Vaults, and Duct Layout 10-30-21
- Release Bid for Duct and Vault install 11-30-21
- Contractor to begin Duct and Vault work 4-1-22
- Begin Fiber installation in duct 7-1-22
- Begin Splicing 8-1-22

HASTINGS UTILITIES

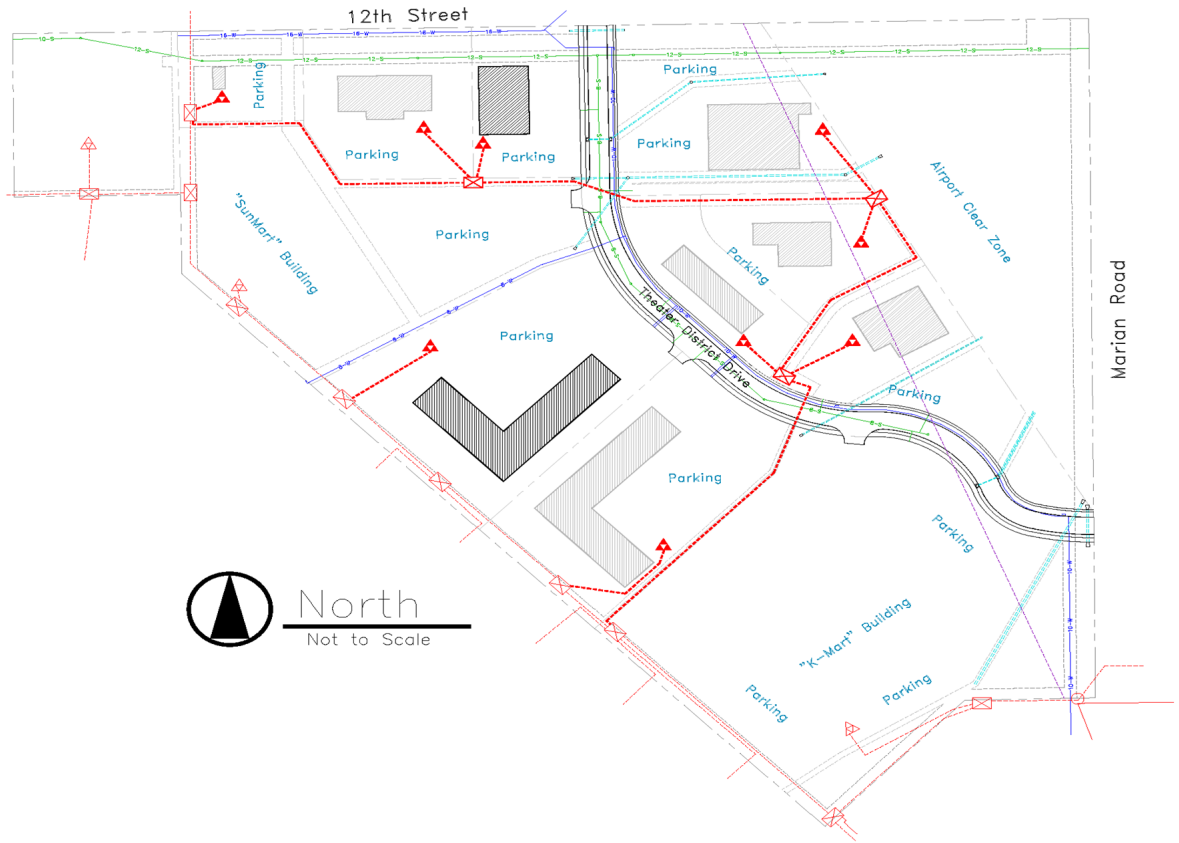
Critical Capital Items
Substations 2021-22
Substation's Shop

- Contractor Drawing for Permits 10-15-21
- Break Ground, Grade work 10-29-21
- Building Delivery 3-15-22
- Enclosed Structure 5-15-22
- Begin Finishing and Electrical 5-15-22

HASTINGS UTILITIES

Electric Distribution 2021-22

- Theater District
- Heartwell Renewables
- Trees



Gas Department

2021/2022 Strategic Initiatives

- Phase 3 and Phase 4 of Lochland replacement. This would complete Highland Drive and leave work along Madden Road for 2022/2023
- Central Community College. Regulator set, main replacement and pressure upgrade.
- Noah's Ark Meter Set. Moving meter set to the road for better accessibility and safety.

HASTINGS UTILITIES

Water & Wastewater

-Primary Anaerobic Digester Upgrade (Cover Rehab, New Mixing)

-Coal Train Pump Station (Maxon Lagoon Industrial Capacity)

-Main Replacement Plan:

- 3rd & 4th St., East Side Blvd to California
- 7th St., Minnesota to Cedar
- 5th St., Minnesota to California

- 69 lead services, 4” main, 100 to 120 years old, 4,514ft

HASTINGS UTILITIES

HASTINGS
UTILITIES