

GRAFTON COUNTY COMMISSIONERS' MEETING
Administration Building
North Haverhill, NH 03774
September 19th, 2023

PRESENT: Commissioners Piper, Ahern, County Administrator (CA) Libby, Assistant County Administrator Burbank, and Administrative Assistant Norcross.

OTHERS: Sheriff Stiegler, Maintenance Superintendent Oakes, Alternative Sentencing Director Mitchell

EXCUSED: Commissioner McLeod

Commissioner Piper called the meeting to order at 2:00 PM and began with the Pledge of Allegiance.

Sheriff Stiegler arrived and gave the following report (* see attached)

1. Sheriff Stiegler explained that he wants to change the current outside detail/contracted service rate from \$85.00 per hour to \$92.00 per hour, with the deputy receiving \$60.00/hour and the County receiving \$32.00 per hour. Sheriff Stiegler also requested to increase the non-profit outside detail/contracted service rate from \$44.00 per hour to \$65.00 per hour, with the deputy receiving \$60.00 and the County receiving \$5.00 per hour. Commissioner Ahern stated that if the Sheriff's Department were not asked to provide these outside services, these outside organizations could go elsewhere. Sheriff Stiegler further discussed this request with the Commissioners and answered questions.

Commissioner Piper asked if the County has consistently had to refuse details because the staff was unavailable due to insufficient pay. Sheriff Stiegler stated that he does not think deputies would leave because of the detail rate, but it is embarrassing when the County is paying lower than other area agencies, and he is trying to remain consistent. Commissioner Ahern stated that he is willing to make a motion to go to \$100 per hour, bring more money into the County, and help offset the burden on the taxpayers. He noted that if he makes the motion for \$100 per hour, the deputies will receive \$60 per hour, and \$40 per hour will go to the county.

MOTION: Commissioner Ahern moved to change the current outside detail contracted service rate from \$85.00 per hour to \$100.00 per hour, with the deputy receiving \$60.00 per hour and the County receiving 40.00 per hour, and to change the nonprofit outside contracted service rate from \$44.00 per hour to \$65.00 per hour with the deputy receiving \$60.00 per hour and the County receiving \$5.00 per hour. Commissioner Piper seconded the motion, and all were in favor.

2. Sheriff Stiegler reported that the United Auto Workers are on strike, which creates a problem with vehicles as they will become more challenging to obtain. He explained that he is trying to replace a car with 117,000 miles on it, and the check engine light is on. He noted an increase in the safety equipment for this vehicle from his original quote. The original price was \$6,850.00,

and the new price is \$8,306.00. Sheriff Stiegler stated that he wants to purchase a 2023 Chevy Tahoe from Macmulkin Chevrolet in Nashua, NH, for the state bid price of \$42,787.00.

MOTION: Commissioner Ahern moved to approve the purchase of a 2023 Chevy Tahoe through Macmulkin Chevrolet at the state bid price of \$42,787.00 and an additional \$8,306.00 for the safety equipment and installation totaling \$51,129.00.

Maintenance Supt. Oakes arrived and gave the following report (* see attached)

Alternative Sentencing (AS) Director Mitchell arrived and gave the following report (*see attached)

Opioid Abatement Fund –AS Director Mitchell stated that the Alternative Sentencing Department is requesting \$25,000 for six months to support program participants with a history of opioid use and experiencing financial hardships. She explained that once one is in recovery, getting their life back on track can be challenging due to barriers created during active use. These funds would be used to purchase food, gas, or work clothing gift cards. The funds may also be used to cover a cost that the participant incurred that will be a detriment to their well-being and recovery if not paid. She noted that these participants will sustain recovery or engage in treatment to obtain sobriety. AS Director Mitchell further discussed the request with the Commissioners and answered their questions.

MOTION: Commissioner Ahern moved to approve \$25,000 from the Opioid Abatement Fund for relief for participants in the Alternative Sentencing Program over six (6) months. Commissioner Piper seconded the motion, and all were in favor.

AS Director Mitchell reported that her Case Manager has received her LADC license, and the Alternative Sentencing Department has a new case manager to fill that spot starting October 2nd.

Agenda Items:

1. Minutes – 9/12/23 & 2/28/23 Non-Public Session.

Commissioner Piper made the following edits to the 9/12/23 minutes:

Page 2 – The sentence “She stated that it is simple to look back at an email chain back to a date and find the email correspondence” was changed to “She stated that it is simple to look back at an email chain to a date and find the email correspondence.”

Page 3 – The sentence “CA Libby noted that because Register Monahan was on vacation and chose not to take care of the request from two (2) weeks ago, it does not mean she has to jump through hoops today to get this bill paid” was changed to “CA Libby noted that because Register Monahan was on vacation and chose not to take care of the request from two (2) weeks ago, it does not mean CA Libby has to jump through hoops today to get this bill paid”

MOTION: Commissioner Ahern moved to approve the minutes from the September 12th meeting as amended. Commissioner Piper seconded the motion, and all were in favor.

MOTION: Commissioner Ahern moved to approve the minutes from the 2.28 nonpublic session with Sheriff Stiegler. Commissioner Piper seconded the motion, and all were in favor.

2. The Commissioners signed check registers 1031; 1034-1039; 2023-09.15.2023
3. Public Hearing Date for CDBG Transformational Planning – October 17th at 3:00 PM.
4. Union Agreement – CA Libby explained that the Union at the Nursing Home has a yearly reopener for wages and health insurance, and she has the final agreement for the Commissioners to sign for the fiscal year 2024 reopener.
5. Register of Deeds Monahan Bid Waiver Request – CA Libby explained that last week, Register Monahan was at the Commissioners’ meeting regarding the Kofile contract she executed for the ongoing restoration project in the Deeds office. Last Tuesday, a memo arrived requesting a bid waiver because Kofile is the only vendor able to take on this type of project.

Commissioner Ahern stated that Register Monahan did not have the authority to sign the contract with Kofile, and he feels that it is not good to encourage this type of activity by an elected official who should know better. Register Monahan has been in office for twelve (12) years and should know the rules and regulations. Commissioner Ahern expressed concerns about approving this bid waiver request. CA Libby explained that she feels that the Commissioners approving the bid waiver is crossing their “t’s” after the fact. She thinks the County would be liable for this as Register Monahan executed the contract as a representative from the County. Commissioner Ahern stated that he thinks the Commissioners need the paperwork from the Register of Deeds before they can approve this bid waiver request. He explained that he would like the paper trail with the other vendor that backed out from this project that Register Monahan had referred to. Assistant CA Burbank noted that it is essential that the procurement process is followed, as there will be audits done on ARPA funding. Grafton County may or may not get audited, but it is important to make sure proper procedures are followed. The Commissioners stated they would like correspondence between Register Monahan and the previous company that chose to back out before they approved the bid waiver. The Commissioners also agreed they would like Commissioner McLeod present for this discussion. Commissioner Ahern stated that he thinks the Commissioners should have a list of all other vendors that were contacted and any others that were not contacted but could complete such a project. CA Libby noted that by retroactively waiving the bid, the Commissioners also cover the liability that the County unknowingly entered.

6. August Financial Report

- Monthly Variance Report – CA Libby reported that many departments are behind in revenue, which is typical for this time of year.

- Nursing Home Breakout Revenue – CA Libby reported that the Nursing Home is ahead in their Private Pay and Veterans revenue but behind in Medicaid and Medicare. She noted that they are on target for the average daily population.
- CA Libby noted that the County has \$1 million more in cash than last year.

7. CA Libby stated that she and Assistant CA Burbank have spent much time working on the NTIA grant over the past week. The Broadband Committee and Ex2 Technologies will have a full presentation for the Commissioners at their meeting on Thursday, giving an update on the project and the next steps if the Commissioners accept the grant. She noted that the County was given a fifteen (15) day extension to decide on the grant.

8. Certification Board – CA Libby stated that she has a letter to the New Hampshire Association of Counties Executive Committee requesting that Interim DoC Superintendent Kendall be appointed to the New Hampshire Association of Counties Certification Board when he serves as Interim Superintendent. She explained that this is on the NHAC agenda this week to be acted upon and requested Commissioner Piper sign the letter.

MOTION: * 4:24 PM Commissioner Ahern moved to enter into a non-public session for the purposes of matters which, if discussed in public, would likely affect adversely the reputation of any person other than a member of the public body itself unless such person requests an open meeting. This exemption shall extend to any application for assistance or tax abatement or waiver of a fee, fine, or other levy if based on inability to pay or poverty of the applicant according to RSA 91-A: 3, II (c). Commissioner Piper seconded the motion. This motion requires a roll call vote. Commissioner Piper called the roll. Commissioner Ahern “yes,” Commissioner Piper “yes” Commissioner Piper stated that a majority of the board voted “yes” and would now go into non-public session.

*4:27 PM Commissioner Piper declared the meeting back in public session.

MOTION: Commissioner Ahern moved to permanently seal the minutes from the just completed non-public session because they could affect the reputation of someone other than those of the Board of Commissioners. Commissioner Piper seconded the motion. Commissioner Piper called the roll. Commissioner Ahern “yes” Commissioner Piper “yes”. Commissioner Piper stated that a majority of the board voted “yes,” and the motion passes.

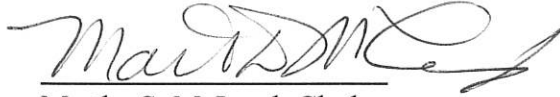
Commissioner Issues:

Commissioner Ahern stated that he had asked Rep. Sellers not to introduce legislation to allow the County to process its own beef on campus because, in talking with the State Commissioner of Agriculture, the Federal Government has sole decision-making on these regulations. He stated that this authority used to be at the State Department of Agriculture, but now the Federal Department of Agriculture makes those decisions. He said he would like to see the County raising deer, which are not subject to USDA inspections. He added that if the County does not process more than 1,000 chickens a year, the County would not be subject to USDA inspections

on those as well. Commissioner Ahern expressed concerns about the supply chain and stated that the County needs to be able to do what the original statute for counties established, which was to feed the residents in the Nursing Home and Department of Corrections from the Farm.

4:33 PM With no further business, the meeting adjourned.

Respectfully Submitted,

A handwritten signature in cursive script, appearing to read "Martha S. McLeod". The signature is written in black ink and is positioned above a horizontal line.

Martha S. McLeod, Clerk



Grafton County Sheriff's Department Operations Division

Monthly Report

August 2023

Statistics

-Transport:

- Court Transports: **11** Prisoner Transports: **53**
- CSO movements from jail to court: **36**
- Juvenile Transports: **1**
- Involuntary Emergency Admissions (IEA): **9**

-Arrest:

-Arrest on warrant, Superior or Civil Warrant, Instate Warrant, EBW, GCSO cases and on view arrest (complaint generated by this agency)

Total Arrest: **25**

-Civil:

(CSI inforsew cannot differentiate types of civil service, In Hand, Abode or Non Est)

Total Monthly Civil Service: **150**

-Warrants:

-Total # of Active Warrants:	Criminal= 396
	<u>Civil = 28</u>
	Total 424

-Motor Vehicle Activity

-Motor Vehicle Stops: **10**

-Fleet Mileage

- Total Miles Driven: **25,686**

**Grafton County Sheriff's Department
Investigative Services Division Activity**



August 2023

In addition to pre-existing cases and investigations the Grafton County Investigative and Computer Forensic Units had the following activity for the month of August 2023. With my retirement from my full-time position and separation from the department for mandatory period of time, as well as other personnel taking personal time off, staffing issues at the department in August dictated that we cut back on some services that we routinely offer so as we could accomplish the mandatory responsibilities of the agency. Therefore, the majority of investigative work conducted was on active and previously reported matters. The computer forensic unit took in only a couple devices, assisting a Grafton County agency with a NH ICAC investigation. Investigative staff routinely assisted operations by conducting transports, making arrests on warrants, and going on extraditions. We hope as the summer months begin to pass we are able to fill our vacant positions and may once again offer extended investigative services to the agencies and communities in our region.

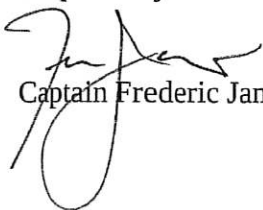
Possession of Child Sexual Abuse Images (1)

Assist Other Agencies (1)

Evidence or Property obtained to include electronics or storage medium for review, examination, delivered or taken into the Computer Forensic Unit (CFU).

Communication Devices (Cell Phone): (2)

Respectfully Submitted,


Captain Frederic James

MAINTENANCE DEPARTMENT REPORT TO GRAFTON COUNTY COMMISSIONERS

August 15 – September 18, 2023

COMPLEX

American Rescue Plan Act (ARPA) Project Updates

Test Wells – This project is complete and based on Horizons Engineering’s report (see attachment), we have a well field that is capable of meeting the county’s water needs, with the following caveats:

- Although our flow & reserve capacity meets DES requirements, it is marginally over the requirement, hence Horizons recommends drilling one more well to ensure adequate reserve.
- All compounds detected in our water samples were well below DES thresholds, however, uranium levels were just 20% below the DES maximum contaminant level. Based on this Horizons recommends a uranium removal system to treat a portion of the flow to reduce it further.

Conceptual Opinion of Cost: \$2,222,000

Conceptual Opinion of Operating Cost vs. Current Costs: Wells - \$60,355 / Woodsville \$85,941

Annual water cost savings: \$25,586 annual savings with a potential to be a \$27,065 savings

As a next step, Horizons Engineering’s recommends the Grafton County Complex should prepare and submit a Concept Approval Request to the New Hampshire Drinking Water and Groundwater Bureau following the requirements of Env-Dw405.04. Essentially, this document is a formal request to develop our own water system. Jon Warzocha said a lot of data is collected and collated and would take he and his staff a week to prepare. His preliminary estimate of cost for this service is \$6,000 - \$8,000. I’ve asked him to send a formal quote.

BACnet Full Integration – We are still working with Alliance Building Automation to complete punch list discrepancies.

Crack filling & line striping other areas All areas are completed and were done well.

Nursing Home Landscape Project – There seemed to be no interest in this project by contractors since no asked for a site visit. I believe this was due to late advertising, a short project window and rain delays affecting other project commitments. I will advertise it again this fall with a May 1, 2024 start date and give the contractor a 90-day window to complete.

Makeup Air Unit (MAU) – The nursing home’s new MAU is tentatively scheduled for delivery around September 25th to Vermont Mechanical’s (VM) craning subcontractor in Well’s River, VT. If all goes as planned, VM will replace the MAU that week, the last week of September.

Farm Generator – Generac came back on site and replaced the O2 sensor that failed during the load banking of the new generator. Dead River is scheduled to come back and install a gas meter so we can track

MAINTENANCE DEPARTMENT REPORT TO GRAFTON COUNTY COMMISSIONERS

August 15 – September 18, 2023

generator propane usage. This is needed because the Farm and generator share one of the same propane tanks.

Water Tank

Every 5-years the water tank must be cleaned and inspected in accordance with EPA standards. On 8/21 M&K Commercial Divers completed this task. The overall condition of the tank is sound. My department needs to reseal the top before cold weather sets in to seal up minor cracks. I've ordered the material to complete this job and are awaiting its delivery.

Trash & Recycling

The transition from Casella Waste Management to Pete's Rubbish occurred the beginning of September. For the most part it went smoothly. Pete's was slow at getting the nursing home recycling dumpster placed where it is supposed to go.

COURTHOUSE

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

Fire Alarm – Over the past month the fire alarm intermittently went into TROUBLE mode for AC failure. My staff troubleshooted the problem to a power module that is starting to fail. Alarmco is in the process of getting us a replacement part.

Elevator – The elevator intermittently does not recall to the floor where people are calling it from when they push the elevator landing buttons for that floor. However, if one goes to floor where the elevator is located and pushes the elevator cab buttons to go to the floor they want, the elevator goes there. When Stanley Elevator was on site recently to fix this, the problem ghosted away so the technician tried a few things he thought might work, but after he left the elevator acted up again. In order to get the fault to stay to make troubleshooting easier, no one can touch the elevator buttons once the fault occurs. I've communicated with Jeff Stiegler on this issue because the bailiffs tend to follow the procedure I mentioned above to resume operating it.

Heating, Ventilation & Air Conditioning (HVAC)

1. AC1, the system that provides cooling to the South half of the courthouse, had its condensing unit, circuit 2 thermal expansion valves (TXV's) fail and its new compressor failed shortly after installation. I ordered and received the TXV's and also received a warranty replacement compressor from Trane. The unit is running on one bank of compressors for now as an interim condition. When we get sustained cooler weather, we will replace these parts.
2. The building's pneumatic controls compressor has a contactor chattering that is being caused by a bad pressure switch and relay. As an interim measure we are running the controls off a portable compressor. We are still awaiting backordered parts.

MAINTENANCE DEPARTMENT REPORT TO GRAFTON COUNTY COMMISSIONERS

August 15 – September 18, 2023

Electrical - The Area of Courts (AOC) requested Grafton County install new outlets at various locations in Superior Courtrooms 1 and 2. They are in the process of working out details of this job with Royal Electric.

Dispatch Director's Office – One of the window panels became completely delaminated and fell apart. We are in the process of rebuilding it.

Circuit Court Area - Judge Chamber 2 closet and stenographer closet both have asbestos peeling off the ceiling. Catamount Environmental is scheduled to abate both ceilings the evening of September 22nd.

NURSING HOME

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

Lighting – In various locations we converted numerous light fixtures from ballasted fluorescents to low energy non-ballasted LED ones.

Sprinkler System - Hampshire Fire Protection replaced a bad section of dry pipe in the 2003 Building attic.

HVAC - *Air handler HRU1*, which supports the common areas on Meadow and Granite, had its lower secondary filter rack rot out...a fabrication shop in Littleton fabricated us a new one. When we get sustained cooler weather, we will shut the unit down and replace the rack.

Kitchen

1. *Dishwasher* - The wash temperature was too low. We replaced the unit's gauge/thermometer unit.
2. *Upper Steamer* – This unit was not operational. We replaced a relay and buzzer.
3. *Lower East convection* – Unit failed to start...troubleshoot to bad power supply. Ordered and awaiting new part.
4. *Ice machine* – Stopped producing ice. Troubleshoot to bad temperature sensor. Replaced sensor.
5. *New propane steamers and gas range* – Rick Colbeth completed propane requirements for the new steamers and range and has ordered new piping and regulator to upsize the kitchen LP system to accommodate the new appliances.

Laundry - *Washer 2's* drum failed to turn. Daniels Equipment Co. replaced the ethernet cord as a warranty repair.

Tubs – Craig's new tubs arrived and my staff are in the process of replacing the one in the tub room closest to the Meadow nursing station. Once complete, we will replace the one on Granite.

MAINTENANCE DEPARTMENT REPORT TO GRAFTON COUNTY COMMISSIONERS

August 15 – September 18, 2023

ADMINISTRATIVE BUILDING

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

Sprinkler System - Hampshire Fire Protection completed replacing 55 quick response sprinkler heads in this building that were due replacement at the 20-year mark. I had them replaced with standard response heads that are good for 50-years.

Deeds Vault – There is evidence of water intrusion in the west wall in the form of water bubbles under the paint surface. We investigated the cause and found the exterior caulking between the porch deck soffit and the brick wall below had failed in various places. We replaced all the caulking and patched the concrete in a few locations as well. To mitigate this reoccurring problem one of my staff fabricated a metal flashing system that wicks rain water away from the wall so when the caulking fails in the future, water will not penetrate the top of the wall. We still need to repaint the porch deck to seal the new concrete once the concrete has cured 30-days. We also have to repair and repaint the interior walls.

HVAC

1. The fan coil units in rooms 11 and 252 had failed blower wheels...replaced blower wheels.
2. Heating System Pumps
 - The VFD for heat pump 1 had a relay on its circuit board that intermittently would not engage, so the pump wouldn't run at times. We replaced the circuit board.
 - The pressure differential sensor for the building's heating pumps intermittently failed, causing the pumps to run at 100% when they should only run at 45% speed. We replaced the pressure differential sensor.
3. Deeds Vault AC unit – The condensate drain pan cracked from old age and leaked all over the floor. As an interim fix we placed a large trash can beneath this AC system to catch the condensate water, which we monitor and drain regularly. We are still awaiting the backordered drain pan.
4. Chiller unit
 - The exterior loop expansion tank failed. We replaced the tank and reserviced the loop with anti-freeze protection to -40 burst temperature.
 - The units water temperature sensors failed. We replaced the incoming and outgoing temperature sensors.

Dept. of Corrections (DOC)

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

MAINTENANCE DEPARTMENT REPORT TO GRAFTON COUNTY COMMISSIONERS

August 15 – September 18, 2023

Kitchen – The dishwasher failed to produce hot enough water for the wash cycle. We replaced three thermostats in the dishwasher booster to correct this issue.

HVAC

1. Heat pump WHP-F2 had a load side water actuator fail. Replaced actuator.
2. Heat Pump WHP-A1 shutting down intermittently on high pressure. We troubleshot the cause to a bad high-pressure sensor...parts are still backordered
3. Heat Pump WHP-G1 shutting down intermittently on low pressure. We troubleshot the cause to a bad low-pressure sensor... parts are still backordered
4. Air handler AHU-B1's energy wheel motor failed. Replaced motor.

Emergency Generator – Battery charger 2 is in AC failure. My staff troubleshot the problem to a bad circuit board tray. This charger is under warranty since it was just replaced on 12/7/22. Powers Generator is scheduled to replace it in October when on site doing annual PM work.

Domestic Water – The primary backflow device for the building failed its 6-month test. We disassembled, cleaned and rebuilt the backflow device and it passed test after doing this.

MAINT/FARM BUILDING

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

HVAC – The Farm shop's ceiling-hung propane heater rotted out in numerous locations and was unsafe to operate in the upcoming heating season. My staff replaced it with a new like heater to include venting it.

Sprinkler – Hampshire Fire completed the 5-year open pipe inspection. Everything looks real good.

FARM

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

Dairy Barn

Domestic water

1. The water system reclamation system's pressure tank and water pump failed. We replaced both items. The tank was covered by warranty.
2. The building's backflow device failed its 6-month backflow test due to a bad 2nd check valve. We replaced the 2nd check valve and retested this device.

MAINTENANCE DEPARTMENT REPORT TO GRAFTON COUNTY COMMISSIONERS

August 15 – September 18, 2023

BIOMASS PLANT

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

ALTERNATIVE SENTENCING BUILDING

Preventative Maintenance (PM) – My staff performed various PM tasks throughout.

Fire Alarm – Failed to dial to Dispatch via the dialer's primary line. The problem was twofold. Consolidated Communications had a bad phone line that the primary dialer uses to call out on and the primary RJ45 jack the line runs through had failed also. After both issues were fixed the fire alarm worked as it should.

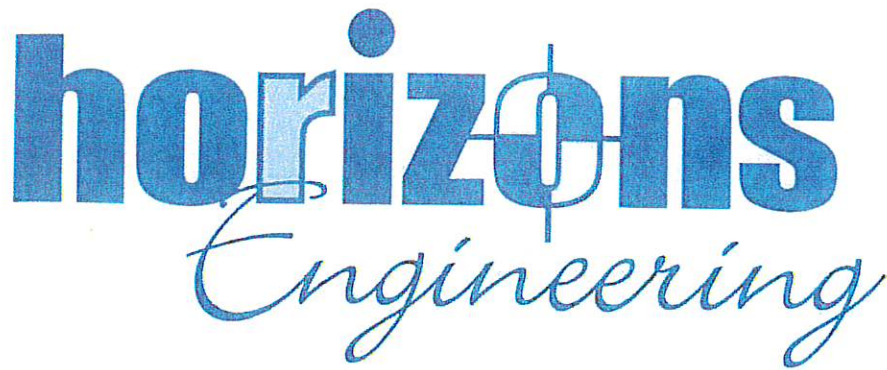
Back Porch – My staff installed new decking at the back porch and constructed new steps there as well.

SENIOR CENTER

Nothing to report

VEHICLES & EQUIPMENT

Preventative Maintenance (PM) – My staff performed various PM tasks on the dept. vehicles and grounds equipment.



GRAFTON COUNTRY COMPLEX
Proposed Well Field
Short-Term Testing Results

Grafton County Complex
3785 Dartmouth College Highway
North Haverhill, NH 03774
September 18, 2023

Background

The Grafton County Complex has been assessing the feasibility of developing a stand-alone water source so that the complex would no longer need to rely on the Woodsville Water and Light community water system for drinking water. A Preliminary Engineering Study completed in 2022 by Horizons Engineering indicated a projected average daily flow of approximately 25,000 gallons per day at a full complex build-out. Drinking water source capacity was assumed to correspond to double the average daily flow or approximately 50,000 gallons per day.

In order to assess the feasibility of a standalone water system for the Grafton County Complex, Horizons Engineering, Inc. (Horizons) has installed two bedrock test wells (BRW-1 and BRW-2) south of the existing water tank. BRW-1 was installed in late October of 2022 to a total depth of approximately 1,000 feet and was airlift tested with the rig compressor for approximately one hour at approximately 35 gallons per minute (GPM). As water levels recovered in the well after drilling, flow overtopped the well casing at a rate of 1-3 gpm. BRW-2 was installed in March of 2023 to a total depth of approximately 1,000 feet and was airlift tested with the rig compressor at 35 gpm as well. By the time the installation of BRW-2 was complete, artesian flow ceased in BRW-1. BRW-2 began to flow at approximately 5 gpm.

A Well Location Map is included as **Attachment 1**

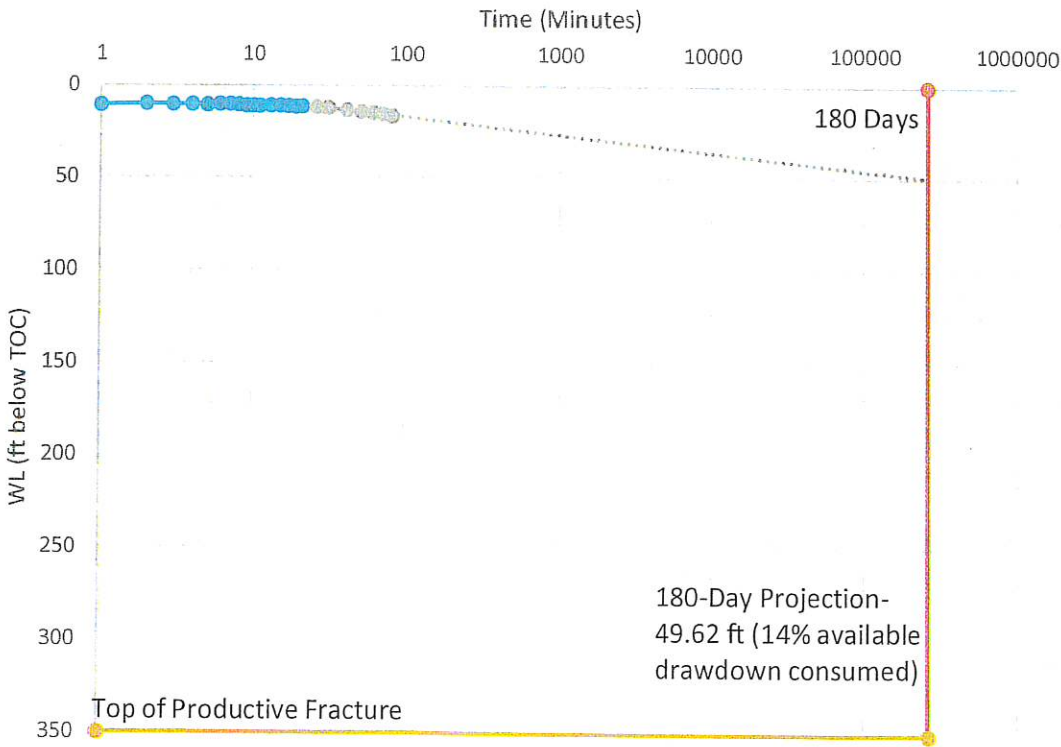
Due to the potential for hydraulic connectivity between the two wells, and in order to preliminarily assess safe yields, each well was subjected to a short-term informal pumping test. With assistance from Tri-State Drilling and Boring, a pump and discharge setup was installed in BRW-1. Water levels in the well were recorded for several days, and the well was tested with a combined step and constant rate test on 7/18/2023. Water levels were recorded through the recovery period, and the pump and discharge setup were removed from BRW-1 and installed in BRW-2. BRW-2 was tested on 7/20/2023. A water quality sample was taken from each well for a list of screening parameters at the end of their respective tests to gauge changes in water quality (especially in BRW-2) since the installation was completed.

Safe yield for the two wells was preliminarily assessed by plotting time vs. measured drawdown (pumping water level minus static water level) on a semi-logarithmic plot. Following the method outlined in the New Hampshire Small Community Well Rules (Env-Dw 305.28), the drawdown curves for each of the test data plots were projected to 180 days. The projected drawdown at 180 days was then compared to the depth of the highest significant water-bearing fracture as noted in the boring logs for each well.

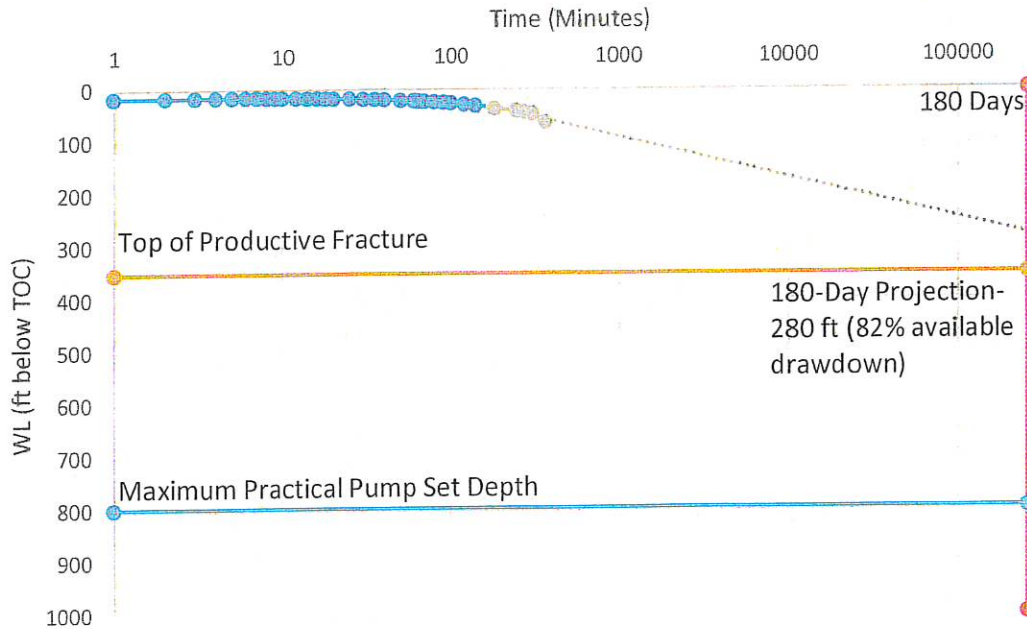
BRW-1 Test (7/18)

BRW-1 exhibited a static water level of approximately 8 feet below top of casing. The well was tested for approximately one hour at approximately 4 gpm, approximately one hour at 19 gpm before being pumped at 30 gpm for an additional 6 hours in an attempt to observe stabilization at that rate. Projection of water levels observed during the 30 gpm step indicate that slightly over 80% of available drawdown (the amount of water above the most shallow productive fracture) would be at this rate if the well were pumped for 180 days with no recharge. Water level in the well also dropped sharply in the last hour of pumping, indicating that pumping the well at this rate is likely unsustainable. Drawdown vs. time plots for the 19 gpm and 30 gpm pumping rates are depicted below. Due to limited drawdown, a plot for the 4 gpm pumping rate was not prepared.

BRW-1 Water Levels, 19 GPM Step, Log



BRW-1 Water Levels, 30 GPM Step, Log



The same analysis conducted on the 20 gpm step indicated that 14% of available drawdown would be consumed pumping at this rate for 180 days with no recharge.

One confounding factor is the presence of several small fractures in the top 100 feet of the well. Near the end of the pumping period, water levels dipped below a small fracture at approximately 65 feet below the top of casing. When the pump was shut off for recovery measurements, rising water level in the well first had to refill the depleted fracture, resulting in a flat recovery measurement for approximately 3 hours. Full recovery was achieved approximately 36 hours after pumping concluded.

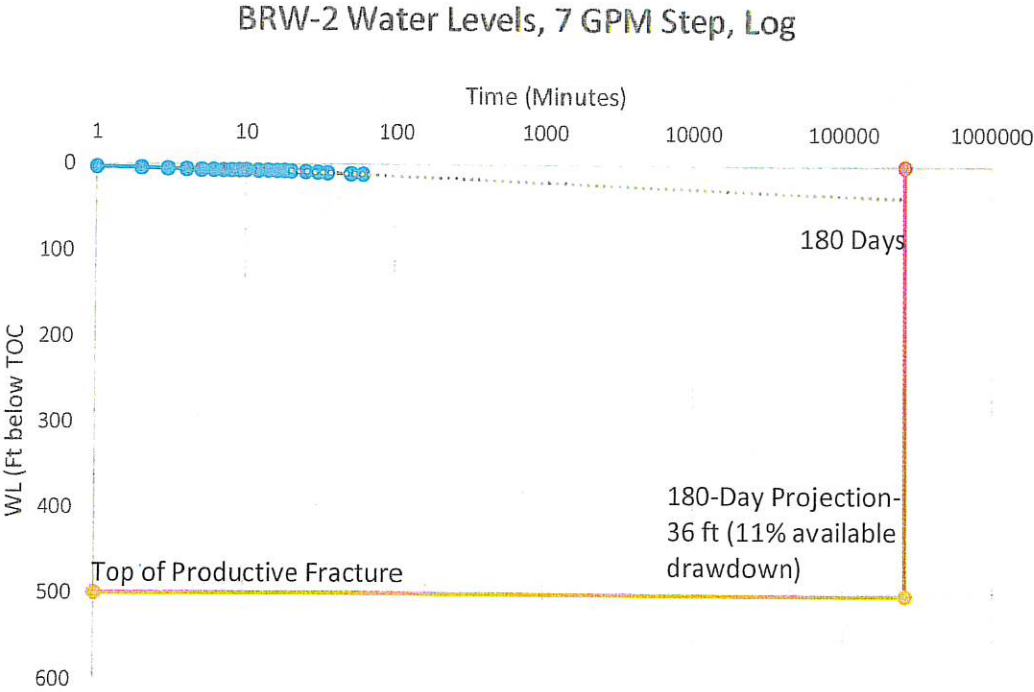
No water level change in BRW-2 was observed during the testing of BRW-1. BRW-2 continued to flow for the duration of the test at approximately the same rate.

BRW-2 Test (7/20)

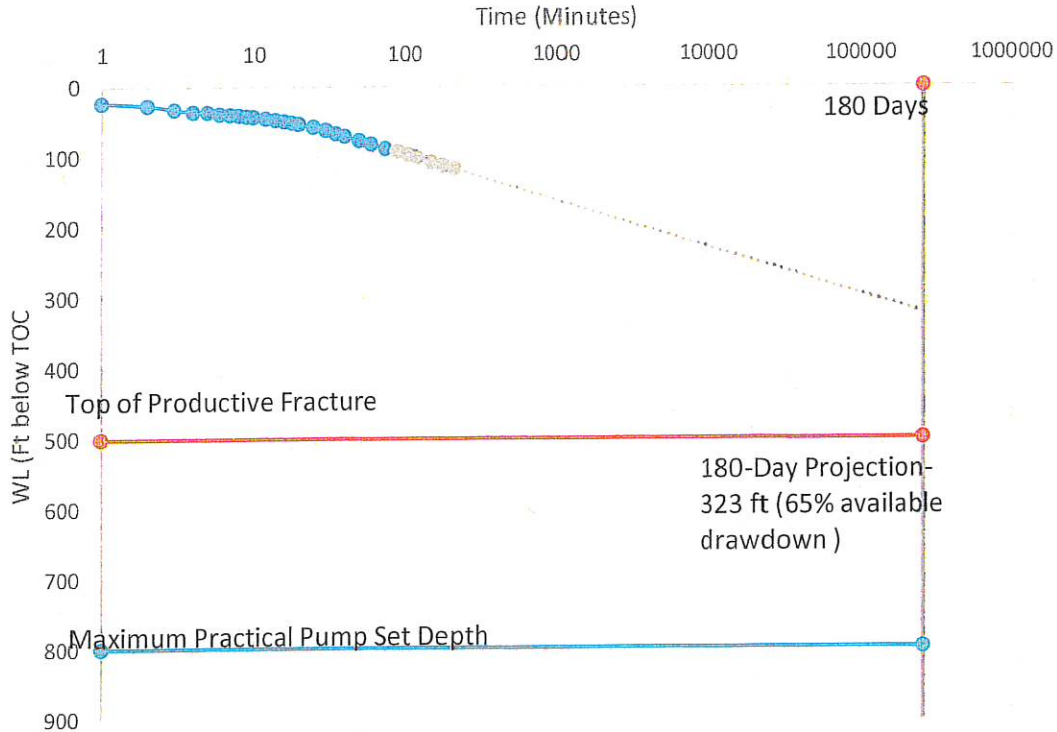
BRW-2 was tested at 7 gpm for one hour and 15 gpm for three and a half hours. The well could not be pumped at a higher rate due to limitations with the pump installation and monitoring equipment. Flow from the well was reduced back to 8 gpm for another 3.5 hours to evaluate drawdown at a lower rate. Water levels rose significantly in the well during this time period.

When the pump was shut down, this water level rise accelerated, and the casing was overtopped 50 minutes after shutdown.

A 180-day projection of the 7 gpm step indicates that approximately 11% of the available drawdown would be consumed. A 180-day projection of the 15 gpm step indicated that approximately 65% of the available drawdown would be realized.



BRW-2 Water Levels, 15 GPM Step, Log



Water levels in BRW-1 continued to rise slightly through first half of the BRW-2 test, before falling roughly .2 foot in the latter half.

Water Quality

Water quality in both wells appears suitable for the parameters tested, although uranium was detected at concentrations close to (but below) the corresponding drinking water quality standard. Water quality in BRW-1 remained essentially the same from the first sample (taken several months after installation was complete). Water quality in BRW-2 improved appreciably from the first sample (taken shortly after drilling was complete). This is likely the result of a more representative sample as a result of the extended pumping period.

All test parameters with the exception of uranium were either not detected or detected well below. As the detected uranium concentrations are in excess of 80% of the associated standard, Horizons recommends that if the project move forward, consideration of a uranium removal system to treat a portion of the flow well field flow be included in the scope.”

A table of **Water Quality Sampling Detections** and **Laboratory Data Sheets** are included as **Attachment 2**.

Conclusions and Recommendations

After analysis of the water level and quality data from both wells collected during the short-term pumping tests, it appears a combined sustainable source capacity in the vicinity of 35 gpm (50,400 gallons per day) could potentially be developed from the two wells (20-25 gpm from BRW-1 and 15-20 gpm from BRW-2). No significant impact from pumping one well on the other was observed, and water quality in both wells appears good for the parameters tested, with no tested parameters detected at concentrations requiring treatment. It is possible that the yields of these wells could be increased by hydraulic fracturing of each well.

While the two wells appear to have the ability to meet the source capacity for the County Complex, there appears to be little additional reserve capacity available. Furthermore, there is always a risk that longer-term testing will show lower sustainable yields than short-term testing suggests. Should the Grafton County Complex decide to proceed with the development of a water source, Horizons Engineering recommends that a third well be installed to supplement the two existing wells. Assuming the current well yield projections can be verified through long-term testing during the permitting process, a third well with a sustainable yield of 10-15 gallons per minute would provide adequate source capacity for the complex.

It is Horizons Engineering's opinion that even though slightly more source capacity may be required for the complex, adequate source capacity has been identified to show proof of concept for the water system. As a next step, it is Horizons Engineering's recommendation that the Grafton County Complex should prepare and submit a Concept Approval Request to the New Hampshire Drinking Water and Groundwater Bureau following the requirements of Env-Dw 405.04.

Please do not hesitate to contact the undersigned at (603) 620-6920 if you have any questions or require additional information.

Sincerely,



Ethan Jennings
Geologist II



Jon Warzocha, P.G.
CEO/Senior Hydrogeologist

Attachment 1

Well Location Map

Drafton County Complex, North Haverhill NH



Legend

- Bedrock Wells

Attachment 2

Well		Detections						Standard
		BRW-1	BRW-2	BRW-1	BRW-2	BRW-1	BRW-2	
Date	Compound	Unit	1/4/2023	3/30/2023	7/18/2023	7/20/2023		
	Total Suspended Solids	mg/l	-	110	13	-	-	
	Sulfate	mg/l	17	17	18	13	250 (SMCL)	
	Chloride	mg/l	-	-	-	1.1	250 (SMCL)	
	Alkalinity	mg/l	110	110	100	110	-	
	Ortho Phosphate-P	mg/l	-	0.011	-	-	-	
	Turbidity	NTU	-	53	3	-	-	
	pH	SU	7.82	8	7.96	7.66	6.5-8.5 (SMCL)	
	Fluoride	mg/l	0.45	0.48	0.54	0.43	4 (MCL)	
	Aluminum	mg/l	-	1.9	-	-	.2 (SMCL; Treatment)	
	Barium	mg/l	0.057	0.037	0.061	0.028	2 (MCL)	
	Chromium	mg/l	-	0.0022	-	-	.1 (MCL)	
	Copper	mg/l	-	0.0037	0.0012	0.0023	1.3 (Copper Action Level)	
	Lead	mg/l	-	0.0041	-	-	.015 (Lead Action Level)	
	Manganese	mg/l	-	0.095	-	-	.3 (AGQS)	
	Nickel	mg/l	-	0.0037	-	-	-	
	Potassium	mg/l	-	1.9	0.87	1.1	-	
	Uranium	ug/l	24	21	26	22	30 (MCL)	
	Zinc	mg/l	-	0.0053	-	-	5 (SMCL)	
	Calcium	mg/l	30	34	28	34	-	
	Iron	mg/l	-	3	0.16	-	.3 (SMCL)	
	Magnesium	mg/l	7.2	6.5	6.7	5.8	-	
	Silica	mg/l	10	17	11	11	-	
	Sodium	mg/l	6	6.9	7.9	5.8	250 (SMCL)	
	Strontium	mg/l	1.6	0.97	2.2	0.88	-	
	Total Hardness	mg/l	110	110	98	110	-	



**GRAFTON COUNTY COMPLEX
WELL FIELD AND PUMP STATION
CONCEPTUAL OPINION OF COST**

Prepared by: Horizons Engineering, Inc. 9/18/23

Project Narrative: Conceptual opinion of cost to construct a one new bedrock well, connect two wells to new pump station building with metering and corrosion control. Includes site work, power, and piping. Costs do not include two existing bedrock wells.

Pump Station

Item Description	Quantity	Unit	Unit Cost	Extended Cost
Mobilization and General Conditions (12% Construction)	1	LS	\$ 157,020	\$ 157,020
Additional Bedrock Well	1	LS	\$ 50,000	\$ 50,000
New well drop pipe, pump, pitless, cap	3	LS	\$ 50,000	\$ 150,000
12x18 Pump Station Building (assumes no booster pumps required)	216	SF	\$ 500	\$ 108,000
Metering, Piping and Valves	1	LS	\$ 150,000	\$ 150,000
Electrical and Controls including Backup Generator	1	LS	\$ 250,000	\$ 250,000
Sitework	1	LS	\$ 150,000	\$ 150,000
Disinfection Injection System	1	LS	\$ 10,000	\$ 10,000
4" Dia. Water Main (assumed length)	1,600	LF	\$ 120	\$ 192,000
15 gpm Uranium Removal System	1	LS	\$ 60,000	\$ 60,000
Electrical (assumed length)	600	LF	\$ 175	\$ 105,000
Flushing Hydrant	2	LS	\$ 4,000	\$ 8,000
4" Gate Valve	3	EA	\$ 3,500	\$ 10,500
Data Collection Equipment	1	EA	\$ 25,000	\$ 25,000
Gates and Signage	3	EA	\$ 10,000	\$ 30,000
Erosion Control	1	LS	\$ 10,000	\$ 10,000
			Subtotal	\$ 1,465,520
			Construction Contingency (15%)	\$ 293,000
			Legal, Survey, and Easement	\$ 50,000
			Hydrogeology, Testing, and Water Quality Sampling	\$ 120,000
			Engineering, Permitting, and Construction Administration (20%)	\$ 293,104
			Total Opinion of Cost	\$ 2,222,000

Conceptual Opinion of Operations & Maintenance Costs

	County Wells	WW&LD
Power - pump house	\$ 9,600.00	\$ -
Power - isolation building	\$ 679.00	\$ 679.00
Power water tank	\$ 1,162.00	\$ 1,162.00
Water tank maintenance (5-year inspections, surface treatment, routine)	\$ 2,000.00	\$ 2,000.00
Isolation valve building maintenance (Routine PM, insp. Rounds & grounds)	\$ 800.00	\$ 800.00
Chemical	\$ 2,400.00	\$ -
Treatment media	\$ 2,496.00	\$ -
Capital reserve (currently no capital reserve for existing system, but to keep things equal I added it to both scenarios)	\$ 15,000.00	\$ 15,000.00
Compliance sampling	\$ 7,000.00	\$ 700.00
SCADA	\$ 2,400.00	\$ 1,400.00
Hydrant fees	\$ -	\$ 8,483.00
Water & meter fees (Used FY23 data)	\$ -	\$ 55,717.00
benefits). Water sampling, treatment, daily checks, grounds maint., etc.) above & beyond what we normally do.	\$ 16,818.00	\$ -
	\$ 60,355.00	\$ 85,941.00
Savings per year	\$ 25,586.00	
These costs may go away since we likely won't need isolation building	\$ 1,479.00	
Potential greater savings if isolation building is abandoned	\$ 27,065.00	

Alternative Sentencing

Commissioners Report August 2023

Directors Report:

Alternative Sentencing has seen a steadily increasing census across programs. As a team we are making adjustments to ensure best practice in supporting our clients while eagerly awaiting a final staff to onboard and round out our team.

Alternative Sentencing had a site visit to Headrest in Lebanon. We met with their team and discussed their program options. We also discussed how to support members of our county through collaborative programming, including workforce skill building, group therapies and substance treatment and housing.

Alternative Sentencing is now participating in a grant and client funded online educational platform called Advent eLearning. This platform includes over thirty online courses that are based in Cognitive Behavioral Therapy and are therefore evidenced based. They are specifically designed for the court diverted population. The platform will also be a great support to our case management team in helping assign, track and remind both clients and staff of expectations and deadlines across all programs. Advent eLearning is available at no cost to us.

***Alternative Sentencing Programs:**

Juvenile Restorative Justice

Adult Felony and Misdemeanor Diversion

C.A.R.E & C.A.R.E+

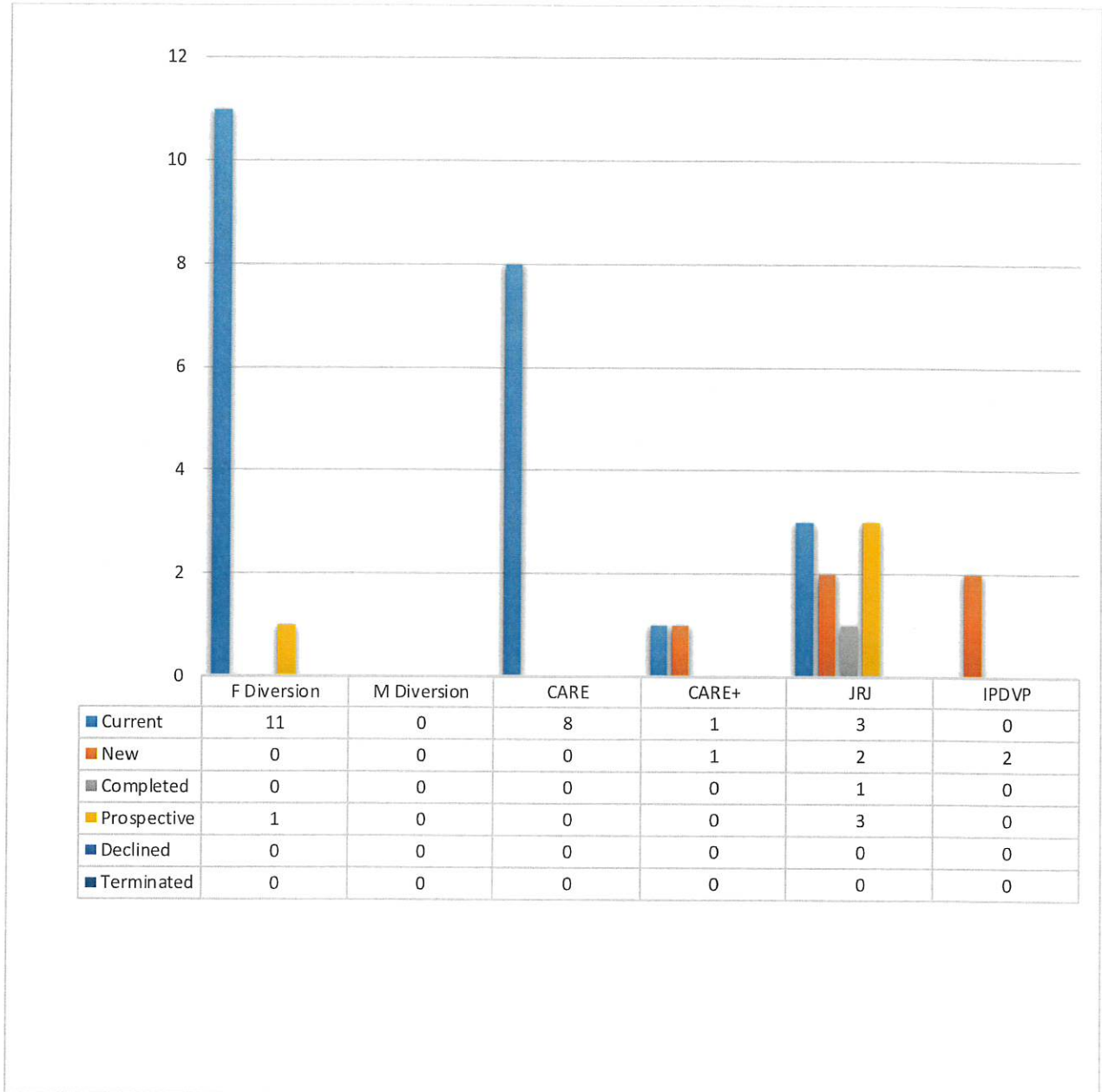
Intimate Partner Domestic Violence Program: Emerge

Mental Health Court

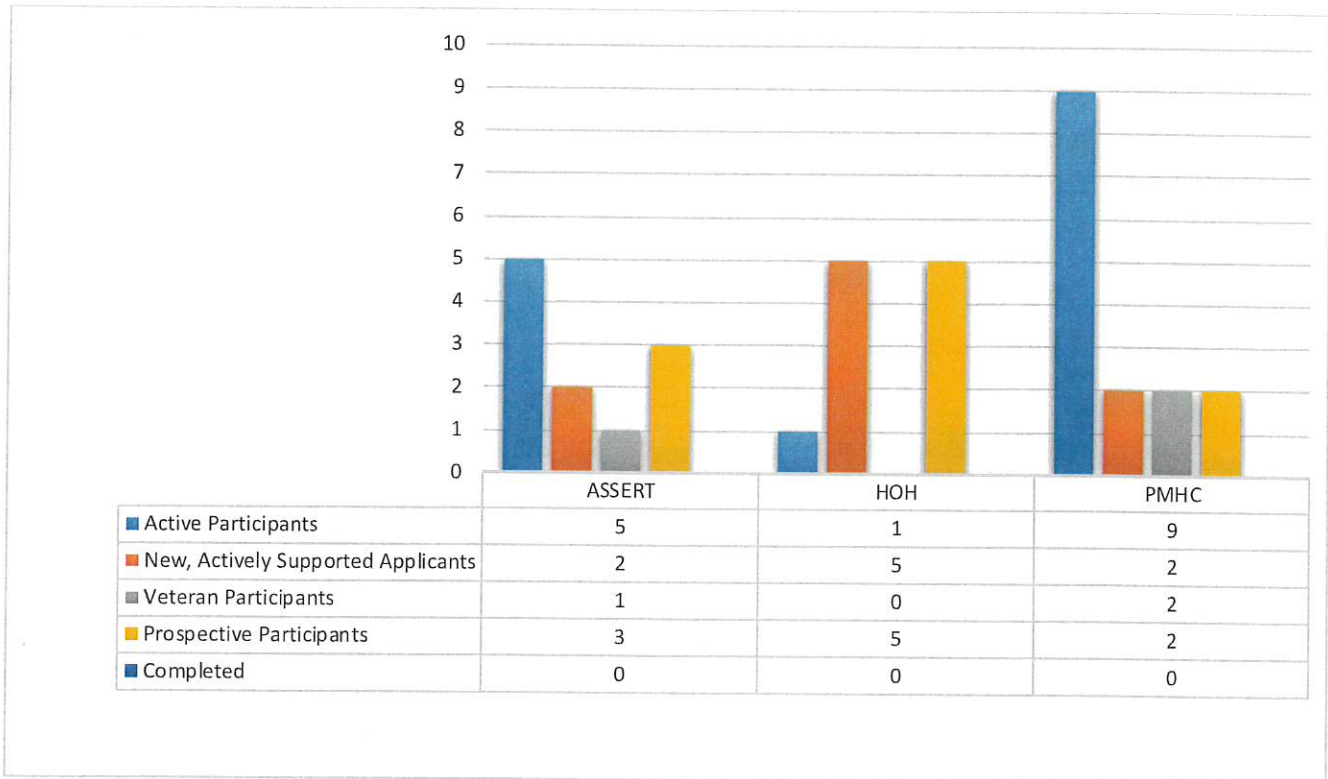
Alternative Sentencing
Commissioners Report August 2023

Alternative Sentencing Programs

August 2023



Mental Health Court
August 2023



The Grafton County Mental Health Court Coordinator, Shelly Golden, attended a two day training in August lead by Anne Zinkin, JD, with the NH Judicial Branch as part of the Judicial Branch’s initiative, Improving the Court and Community Response to Individuals Experiencing Mental Illness. The NH Judicial Branch engaged the services of the National Center for State Courts to conduct a Sequential Intercept Model (SIM) Mapping, Train-the Trainer event. The goal is to get all NH counties trained and "mapped" utilizing this Model, and Grafton County was chosen to receive the SIM Mapping 1.5 day workshop to be facilitated toward the end of 2023 or beginning of 2024. The SIM Mapping will be co-lead by Anne Zinkin and Shelly Golden, and a Planning Committee is being assembled to create the most productive workshop possible.

SIM mapping workshops bring together key stakeholders to identify: (1) existing resources for adults with mental health and co-occurring substance disorders who are involved in the justice system or who are at risk for such involvement; (2) the gaps in those services; and (3) opportunities for improvement. The goals of SIM mapping workshops are to aid communities in developing effective systems of care that bridge justice and mental health services and minimize justice involvement for persons with mental illness and co-occurring substance use disorders.

Alternative Sentencing
Commissioners Report August 2023

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
JRJ	---	\$100	---	---	---	\$100	---	\$160	---	---	---	---
AD	\$100	\$40	\$275	\$565	\$420	\$442	\$235.07	\$688	---	---	---	---
MISSED	---	---	\$25	\$25	\$50	---	---	---	---	---	---	---
LATE	---	---	---	---	---	---	---	---	---	---	---	---
+ UA's	---	---	---	---	\$50	---	---	\$25	---	---	---	---
MRT	---	---	---	---	---	---	---	---	---	---	---	---
Emerge	---	---	---	---	---	---	\$300	\$100	---	---	---	---
CARE	---	---	---	---	---	---	---	---	---	---	---	---
MISSED	---	---	---	---	---	---	---	---	---	---	---	---
+ UA's	---	---	---	---	---	---	\$50	\$70	---	---	---	---
BDAS	\$2912.57	\$1699.20	\$2998.49	\$2433.74	\$1442.26	\$2169.19	\$1924.19	\$2554.18	---	---	---	---
Totals	\$3012.57	\$1879.20	\$3298.49	\$3023.74	\$1962.26	\$2711.19	\$2509.26	\$3597.18	---	---	---	---