

**PUBLIC WORKS ASSEMBLY UPDATE**  
**WORK COMPLETED THROUGH OCTOBER 2020**

**CARES ACT- City Hall Lobby Tenant Improvements and Hands-free Devices**  
**(BIDDING AND CONSTRUCTION PHASE)**

**Milestones This Period**

- Project bid October 27- two (2) bidders responsive.
- Notice of Intent to Award to CBC Construction, Inc has been issued.
- Owner-furnished materials ordered for City Hall.
- Owner-furnished materials ordered for hands-free devices, installation in progress.
- All future milestones are in progress.

**Future Milestones**

- Execute contract and issue NTP for construction.
- Construction is scheduled to be substantially complete December 21, 2020.

**Background**

The project has been initiated with Federal CARES Act funding intended to address issues incurred due to the COVID-19 public health emergency. Key improvements to City Hall are focused on improving customer service and safety via social distancing and installation of hands-free devices. Reconfiguration of the first-floor lobby area, featuring the installation of banker's windows, will allow customer service activities to be conducted more efficiently and more safely. Hands-free devices, such as soap/sanitizer dispensers, paper towel dispensers, faucets, flushers and hydration stations will be installed at various public locations throughout Sitka.

\$350,000 – City Hall Improvements

\$205,000 – Hands-free devices

\$555,000 – Total Available Project Funding

Contracts:	PTS, Inc (project management)	\$50,000
	CBC Construction, Inc (pending contract execution)	\$93,490

**Wastewater Treatment Plant (WWTP) Rehabilitation (CONSTRUCTION PHASE)**

**Milestones This Period**

- Factory Representative Startup of new Mitsubishi heat-pump VRF system in the Administrative Area.
- Startup of exhaust fans over the treatment plant.
- Demo of existing & installation of the new generator and its chimney.
- Completion of switchover from existing motor controllers (MCC) to new MCCs in new location and demo of exiting MCCs and installation and finish of sheetrock on walls that were behind the existing MCCs in the Control Room.
- Installation of Lab and Office casework.
- Installation and testing of new Fire Alarm system.
- Installation of the majority of new flooring.
- Installation of new restroom fixtures and accessories.

## **Future Milestones**

- Installation of new fiberglass doors and frames: November 2020.
- Final finishes once fiberglass doors are installed. November 2020.
- Installation of new building Diamond Digital Control system. November 2020.
- Completion of installation of new mechanical, electrical, and SCADA building systems, Winter 2021.
- Substantial Completion required May 20, 2021.

## **Background**

The Wastewater Treatment Plant was built in the early 1980's and many of the building systems, including the building envelope (exterior siding, windows and doors), electrical, plumbing and mechanical, including the HVAC (ventilation air) system, have failed or are past their useful life and require replacement. The air quality within the building is inadequate and corrosive, and as a result the exposed piping and metal within the building have corroded.

Total project cost is currently estimated at \$9,782,000. Funding for this project is provided by the following sources:

\$263,000 – WW Fund Working Capital  
(\$218,000) – WW Working Capital moved to the SCADA Control Project  
\$9,737,000 – DEC Loans  
\$9,782,000 – Total Available Project Funding

Current Contracts: McCool Carlson Green (design)	\$898,284
MCG Constructors, Inc./DCI Joint Venture (w/CO-1)	\$7,432,800

## **Critical Secondary Water Supply (DESIGN PHASE)**

For more information and history on this project, visit the City website at:  
[www.cityofsitka.com](http://www.cityofsitka.com) > Public Works Department > Public Works Projects > Critical Secondary Water Supply – or go directly to:  
<https://www.cityofsitka.com/government/departments/publicworks/projects.html>

## **Milestones This Period**

- Completed 95% design.
- Facilitated discussion between NSRAA and CBS Administration to establish a project cost sharing structure for potential EDA grant.

## **Future Milestones**

- Apply for Economic Development Administration grant to support construction of CBS and NSRAA Sawmill Creek water intake: November 2020.
- Finalize two agreements with NSRAA: the first agreement will detail cost sharing for design and construction; and the second will detail ownership, operations and maintenance after construction: December 2020.
- Solicit construction bids for Sawmill Creek intake and filter plant: January 2021.
- Award construction contract: March 2021.
- Substantial Completion for secondary water source project anticipated in March 2022.

## Background

The project is for design and construction of a secondary water source, for when the primary water source – Blue Lake water treated with ultraviolet (UV) radiation – is unavailable. Blue Lake water will not be available when the Electric Department inspects and maintains the penstock providing water from the dam to the power plant. Blue Lake water may also require filtration – not just UV treatment – if turbidity levels continue to exceed regulatory thresholds. Total project cost is estimated at \$18 million. Funding for the project is provided by:

\$530,000 – Working Capital  
\$17,620,000 – Alaska Clean Water Fund loan  
\$400,000 – Alaska Clean Water Fund loan  
\$18,550,000 – Total Available Project Funding

Current Contracts:	CRW Engineering Group (design)	\$1,104,291
	Jacobs (design review, design management)	\$87,000
	Pall Water (supply filtration equipment)	\$2,341,355

## **Crescent Harbor Float Replacement – Phase I (CONSTRUCTION PHASE)**

### **Milestones This Period**

- The Turnagain Marine Construction contract is in the process of being closed out. All work is complete.
- All future milestones are in progress.

### **Future Milestones**

- The install marine sewage pump-out work is currently out to bid and scheduled for award November 2. Work is required to be complete by December 31, 2020. This work is partially funded under an Alaska Department of Fish and Game grant.

## Background

The physical condition of Crescent Harbor had deteriorated to point where in-house repairs are no longer sufficient to adequately maintain the facility. Harbor Department staff and Public Works Department engineers determined the harbor now presents an operational and safety risk due to floats sinking, decay of wooden beams, corrosion of metal fixtures and failure of walk-down ramps to meet ADA accessibility requirements.

The project has an estimated total cost of \$13 million for design and construction. Funding for this project is provided by the following sources:

\$1,000,000 – Harbor Fund Working Capital  
\$5,000,000 – AK DOT Harbor Matching Grant  
\$8,025,000 – Harbor Revenue Bonds  
\$39,000 – AK Dept of Fish and Game  
\$14,064,000 – Total Available Project Funding

Current Contracts:	Jacobs (project administrative support)	\$315,905
	Turnagain Marine Design-Build Contract	\$13,149,652

## **Sitka Cross Trail Phase 6 (CONSTRUCTION PHASE)**

### **Milestones This Period**

- 7,439 feet (of 14,000 feet total) of rough trail constructed through October 21, including 730 feet topped with surface course (D-1 gravel).
- Sitka Community Conservation Corps, funded by Cares funding, completed revegetation along 7,320 lineal feet of the trail during October.

### **Future Milestones**

- Complete rough trail construction, Winter 2020-21.
- Construction of No Name Creek bridge, Spring 2021.
- Construction of Harbor Mountain Road connector, Summer 2021.
- Construction of Old Sitka Rocks trailhead connector, Summer 2021.
- Substantial Completion, September 2021.
- Open for recreational trail use, October 2021.

### **Background**

The project includes extending the Sitka Cross Trail from Harbor Mountain Road north to the Starrigavan Boat Launch overflow parking lot, adjacent to the USFS Forest & Muskeg trailhead. A small parking lot will be constructed at the Harbor Mountain Trailhead. The project also includes a connector trail in the vicinity of No Name Mountain for users to access the Cross Trail from the Old Sitka cruise ship dock. The total length of new trail to be constructed is 14,000 feet (2.6 miles), increasing the total length of the Sitka Cross Trail system to over 7 miles, including multiple access points throughout.

The project is being constructed by Sitka Trail Works, who has assisted with the development of the project from start to finish. The current funding plan is as follows:

\$ 2,132,698 – Grant from Western Federal Lands  
\$ 72,575 – CBS GF and/or CPET Funds  
\$ 142,596 – STW contribution  
\$ 2,347,869 – Total Available Project Funding

Current Contracts: Sitka Trail Works, Inc.

\$2,010,644

## **Sitka Seaplane Base (SPB) (PLANNING PHASE)**

For more information and history on this project, visit the City website at:

[www.cityofsitka.com](http://www.cityofsitka.com) > Public Works Department > Public Works Projects > New Sitka Seaplane Base – or go directly to:

<https://www.cityofsitka.com/government/departments/publicworks/SitkaSeaplaneBaseSitingStudy.htm>

### **Milestones This Period**

- Per FAA request, we established the exiting SPB annual operations and an annual operations forecast for the future new SPB.
- Preliminary Draft Environmental Assessment review by Agencies.

### **Future Milestones**

- Draft Environmental Assessment (EA) prepared and ready for Public Review: November/December 2020.

- Planning for land acquisition and business plan: November/December 2020.
- Assembly update presentation and public meeting for input on drafts EA, facility layout, and business plan: November/December 2020.
- Prepare and submit AIP grant applications to FAA for next phase Design/Land Acquisition: Spring/Summer 2021 (depends on federal funding cycle).

### **Background**

The existing Seaplane Base has been operating for 65 years and is at the end of its useful life. The Assembly passed an action plan to construct a new facility just inside the breakwater on Japonski Island (end of Seward Street) making this a top priority to secure Federal funding, land, and ultimately construction. Federal funding is anticipated to cover 93.75% of the cost of construction and another \$150k per year in annual entitlements for the Airport Capital Improvements Program (ACIP) for long term major maintenance or expansion projects. Developing the SPB ACIP (5-year plan) along with an airport operation plan for airport sustainability are tasks included in the project planning and design development of the project.

There are 5 main phases required to complete to be eligible to proceed to the next stage and receive Federal funding:

1. Planning and Environmental Review (current funded stage):  
Complete early 2021
2. Planning Level Layout plan (current funded stage): Complete
3. Land acquisition (not funded until EA is completed and approved):  
Complete Summer 2022
4. Design/Final Permitting (must build or give back FAA funds):  
Complete Summer 2022
5. Construction: 2023-2024

The preliminary ROM project cost for project without wave attenuators is estimated at \$19 million. Funding for this project is provided by the following sources:

\$842,629 – FAA AIP Grant (E/A & Planning Grant)  
           \$56,176 – General Fund Working Capital (Req'd CBS Match @ 6.25%)  
           \$898,805 – Total Available Project Funding

Current Contracts: DOWL (E/A & Aviation Planning) \$707,079

### **Sitka Sea Walk Phase 2 (PLANNING & DESIGN PHASE)**

#### **Milestones This Period**

- Federal funding secured for design phase of project.
- All future milestones are in progress.
- Additional scoping effort has been performed to explore reducing costs estimated for preferred alternatives. (Route described in Background section below is likely too expensive to fit within existing funding. Project may look to build a portion of the route only.)
- Revised scoping has resulted in cost estimate reductions for Segment 2 of the alignment described below (adjacent to O'Connell Bridge).

### **Future Milestones**

- A Memorandum of Agreement between CBS, ADOT and Western Federal Lands (WFL) is being finalized to delineate final project scope, funding, ownership and maintenance responsibilities for new facilities and roles of project delivery team.
- Design phase to kick off in late 2020 with plans for multiple meetings throughout the process.
- Construction is estimated to begin 2022.

### **Background**

The project includes extending the Sitka Sea Walk from the Sitka Public Library toward (and under) O'Connell Bridge and terminating at the West end of Lincoln Street at its intersection with Harbor Way. Phase 2 of the Sea Walk, an 8-foot wide handicap accessible multi-use path, will continue the same theme as the first phase of the Sea Walk that extends from Harrigan Centennial Hall East through Crescent Harbor Park toward Sitka National Historical Park. The project is being delivered (managed) by ADOT and WFL in coordination with CBS. The project will be designed in 2020-2021 and construction is expected to begin in 2022. Multiple rounds of public involvement are anticipated throughout the design process. The current funding plan is as follows:

\$ 1,896,084 – Grant from Western Federal Lands  
\$158,060 – CBS GF and/or CPET Funds  
\$2,054,143 – Total Available Project Funding

Current Contracts: PTS, Inc (project management)

\$50,000

### **Peterson Storm Sewer Rehabilitation (DESIGN PHASE)**

#### **Milestones This Period**

- All future milestones are in progress.

#### **Future Milestones**

- Complete design, November 2020.
- Project to be bid in November 2020 and constructed in Summer 2021 when public schools are not in session. The closure of Peterson Street would cause major school-bus delays.

### **Background**

The project includes replacement of deteriorated 60" corrugated metal culvert crossing under Peterson Street with a 15' wide plate arch culvert, allowing for fish passage. Peterson Street is a collector street that provides critical access to side streets and local residences as well as to Sitka High School.

Construction cost is estimated at \$900k. Funding for the project is provided by:

\$1,020,000 – General Fund Working Capital  
\$55,000 – National Fish & Wildlife Foundation design grant  
\$60,000 – U.S. Fish and Wildlife Service Fish Passage construction grant  
\$80,000 – U.S. Fish & Wildlife Service Fish Passage construction grant  
\$1,215,000 – Total Available Project Funding

Current Contracts:	DOWL (design)	\$116,070
	PTS, Inc. (project management)	\$ 41,000

### **Channel and Eagle Way Lift Station Rehabilitation (CONSTRUCTION PHASE)**

#### **Milestones This Period**

- Commissioned Channel lift station: 10/1/20
- Commissioned Eagle Way lift station: 10/21/20

#### **Future Milestones**

- Substantial Completion (both sites): November 9, 2020.
- Physical Completion (both sites): November 16, 2020.

#### **Background**

Eagle Way Lift Station is responsible for pumping all sewage East of Eagle Way toward the Wastewater Treatment Plant. Channel Lift Station is responsible for an apartment complex and one private residence on Halibut Point Road. Both lift stations require excess maintenance due to corrosion and/or outdated pumping equipment. Project will rehabilitate lift stations, re-using existing infrastructure to the extent feasible.

Funding for the project is provided by:

\$250,000 – DCCED grant (Eagle Way Lift Station)  
\$530,000 – Wastewater Fund Working Capital (Eagle Way Lift Station)  
\$108,266 – Wastewater Fund Working Capital (Channel Lift Station)  
\$371,109 – ACWF loan (Channel Lift Station)  
\$1,259,375 – Total Available Project Funding

Current Contracts:	DOWL (C-EW portion of bigger design project)	\$105,984
	DXPE (Eagle Way portion of pump supply contract)	\$ 56,714
	Boreal Control (C-EW portion of control equipment supply contract)	\$ 97,200
	Marble Construction (construction)	\$841,836
	PTS, Inc (C-EW project management)	\$ 49,000

### **Brady Lift Station Rehabilitation (DESIGN PHASE)**

#### **Milestones This Period**

- All future milestones are in progress.
- Design completed October 2020, advertise for bid.

#### **Future Milestones**

- Bids open November 13, 2020.
- Request supplemental appropriation for approximately \$290K: November 2020 (after we open bids). This was missed during the FY21 budget process.
- Issue Notice to Proceed to low bidder: December 2020.
- Construct Brady Lift Station improvements:
  - Start construction: January 2021.
  - Substantial Completion: May 1, 2021.
  - Physical Completion: June 2021.

## Background

Brady Lift Station is responsible for pumping all sewage generated North of Brady Street to the Wastewater Treatment Plant. A plug valve in the lift station has failed, making it impossible to isolate one of the three pumps for maintenance. Equipment is outdated and requires excessive maintenance. Project will rehabilitate lift station, re-using existing infrastructure to the extent feasible. Work is scheduled to minimize impacts to True Value. The project will require use of part of their parking lot.

The estimated construction cost for the project is approximately \$640K. Funding for the project is provided by:

\$217,400 – ACWF loan  
\$428,759 – Wastewater Fund Working Capital  
\$646,159 – Total Available Project Funding

A supplemental budget request for approximately \$290K will be needed to fully fund the project.

Current Contracts:	DOWL (Brady portion of bigger design project)	\$125,458
	DXPE (Brady portion of pump supply contract)	\$ 53,730
	Boreal Control (Brady portion of control equipment supply contract)	\$ 78,192
	PTS, Inc (project management)	\$ 37,000

## **Airport Terminal Improvements (DESIGN PHASE)**

### **Milestones This Period**

- Review and mark-up 35% design submittal.
- Research for potential funding sources.

### **Future Milestones**

- Complete the 35% design revisions/milestone, October/November 2020.
- Complete the 65% design milestone, March/April 2021.
- Resolve the remaining 30% TSA design submittal issues for the TSA Baggage Screening Area during the 35% to 65% design phase, March/April 2021.
- AK DOT involvement during 65% design milestone regarding potential FAA AIP funding & Improvement phasing Fall/Winter 2020/2021.
- Bid phase 1 of project, Fall 2021.
- Construct phase1, 2021/2022.
- Phased construction **subject to funding 2021 through 2024.**
- Identify funding sources for terminal improvements beyond the PFC/Bonding and AIP grant request to AK DOT, like airport terminal user fees, parking fees, curbside and taxi permit fees, which are all typical Airport Revenue sources.
- Phased construction has been delayed to at least 2021 through 2023, due to the Federal Government shutdown at the end of 2018 and difficulties with the completion and approval of the 30% TSA Baggage Screening Area/Equipment design.



## **Background**

The Airport Terminal Improvement Project is intended to remedy some of the existing critical problems identified in the Airport Terminal Master Plan 2008-2011, including working conditions in the baggage make-up area and TSA baggage screening area, as well as problems with congested passenger queuing, screening, baggage, fish boxes, waiting areas and passenger flow. CBS accepted a TSA design grant and a recent grant amendment totaling \$245,385.95 to design specific improvements to the TSA Baggage Screening Area. Other areas impacted by these design changes are ineligible for the TSA design funding. The Assembly approved moving forward to the 65% Schematic Design Milestone for the preferred concept plan that was presented in the Assembly work-session August 8, 2017. Passenger Facility Charges (PFC) were applied for and approved by ADOT and FAA. Collection of the PFCs began May 1, 2018. The total anticipated revenue collection over the 20-year period of collection is \$6,840,000.00, which will finance the \$4,025,000 revenue bond along with its fees and debt service.

The estimated cost for the project as identified is approximately \$15 Million. The current funding plan outlines the following components:

• Passenger Facility Charge Revenue	\$4,025,000	Bond Secured
• TSA OTA Grant	\$ 158,569	Secured
• TSA OTA Grant Amendment	\$ 86,817	Secured
• TSA Funding	\$3,397,500	Unsecured
• Eligible AIP Grant Request through AK-DOT	\$10,283,954	Unsecured

Current contracts: MCG Architects (design) \$449,069

## **Maintenance Activities**

### **Streets**

- Ditched Knutsen Drive, Anna Drive, Lance Drive, Price Street, Eliason.
- Ditched out culverts at Swan Lake.
- Painted crosswalks on Lake Street.
- Moved voting booths to Centennial Building.
- Graded gravel roads.
- Repaired pot holes.
- Checked storm drains.
- Repaired the outfall of settling pond with the Fish and Game on the Nelson Logging Road.
- Graded Nelson Logging Road.
- Buried bio-solids.
- Swept roads.
- Brought recycled glass to landfill.
- Hauled material to construction debris landfill.
- Hauled an abandoned boat to Scrapyard.
- Demolished the abandoned boat and buried it at the construction debris landfill.
- Repaired a street sign on Harbor Way.

- Overlaid Toivo Circle with rap recycle asphalt product.
- Replaced a fire hydrant at the City shops.
- Prep equipment for snow removal.
- Set up traffic control on HPR for the Electrical Dept.
- Repaired a water line Kiksadi Ct.

### **Central Garage**

- Worked 23 hours on the Senior Center vans, annual inspection and general repair
- 40 repairs on everything from chainsaw maintenance to general maintenance.
- Serviced snow removal equipment.

### **Scrapyard**

- Seven gondolas have gone out with 150,400 pounds had one gondola with aluminum with 8000 pounds.

## **Grounds Maintenance**

### **Completed**

- Preventive maintenance schedule – 11 normal operations preventative maintenance (PMs).
- Reactive/requested work orders – 20 (logged).
- Design bed work for Fire Hall pending Spring Planting with Tree's and Landscape Committee.
- Design mitigation prodigal for Kimsham Complex drainage problems Field A.

### **Ongoing**

- Maintenance programs transitioning into fall rotation.
- Cemetery maintenance at the end of Baranof St.
- Sports programs are operating following State mandates for COVID. Grounds teams providing support for field use and groups operations.
- Providing support, continuing maintenance, repairs based around necessity pertaining to COVID-19.
- Working with CARES funded contract with Sitka Conservation Society project overview and direction.
  - Goddard Hot Springs, Tom Young Cabin, Kimsham Complex access trail, Cutthroat Creek Trail, Single Track Trail, etc.
- Manage & Assist with CAREs Transitional Employment Program, grounds work:
  - Whale Park, Sea-walk, Skate Park/Turnaround Complex, Moller Complex, Kimsham Complex, Pioneer Park, Cross Trail, etc.

## **Building Maintenance**

### **Completed**

- Preventive maintenance schedule – normal operations – 129 PMs
- Work requests 10 (logged).
- WWTP heat pump training.

- Annual tour with contractor for Fire Inspection and back flow preventor.

### **Ongoing**

- Building & Grounds team providing support on Transitional Employment Program, CARES COVID funding. Assisting getting stock, materials, tools, and crews lined up to for work.
  - Touch less devices installation, roof cleaning and maintenance, mechanical equipment maintenance,
- Airport auto-doors and double man door installed – punch list items underway and physical completion. Still pending is threshold for auto doors from sub-contractor.
- Touch point sanitization of Sitka Library Retracted operations due to funding.
- City/State Law Office – District Attorney's office paying for the replacement of 7 windows. CBS building maintenance coordinating work. complaints on damaged windows.
- State DOT/PF requesting City/State to no longer be part of their infrastructure. Discussion on option to proceed with City/State 1967 Agreement.
- Working with PTS Engineering Contractor on potential CAREs funded protects including City Hall renovation work for utility suite, ADA touchless door at main entrance, procurement and purchase of touchless devises for several of the city public facilities.

### **Monitoring**

- Harrigan Centennial Hall – tile floor cracking common areas, waiting to see if weather changes create more issues.
- Harrigan Centennial Hall additional cracks discovered under meeting room 5 carpet tiles. Waiting to see what happens with weather changes and activate on plan for repairs if required.

### **Transitional Employment Program (TEP):**

As of Oct. 23<sup>rd</sup> 19 transitional temporary employees have been hired. One just found full time employment within CBS. Leaving an operation of 18 individuals. All being trained and certified on necessary skills for doing CBS work, which consists of road flagging certification, safety procedures, and other equipment.

Original FEMA funding for COVID Touch Point Sanitization Crew done as of Sept. 14<sup>th</sup>. Two staff were transitioned into the Transitional Employment Program (TEP).

**TEP Projects worked on to date:**

- Pioneer Park, drainage mitigation, brushing, and site cleanup.



- Moller West Playground mitigation to get re-opened to the public.





- Skate Park – clear brushing, clean the gutters, and removed debris from the roof structure.



- City Hall roof maintenance and cleaning.
- Gutter cleaning at the Sitka Library, Senior Center, and recreational facilities.
- Streets – provide assistance in painting of the crosswalks around the schools.
- Streets – provide assistance with road patches.
- Streets – provide assistance with brushing.
- Whale Park – removed dangerous trees from around the first stair along the hillside.
- Senior Center front ramp – hardware replacement is underway.

### **Water/Wastewater**

On October 26<sup>th</sup> five inches of rain was recorded at the Blue Lake Water Treatment Plant (located up behind the Hydro-Electric Facility). This level of rain accompanied by winds is when we typically see high turbidity levels in Blue Lake. Turbidity is a measure of the cloudiness of water. The turbidity spiked at approximately 4 pm and stayed elevated until 4 am the next day. Due to the high turbidity the water treatment plant was shut down and our storage tanks were used to supply water to the community. Water staff monitored the turbidity and tank levels throughout the night and were able to avoid incurring a turbidity event (a strike towards losing the filtration avoidance waiver). The CBS operates under a filtration avoidance waiver which means the raw water turbidity cannot be more than 5 nephelometric turbidity units (NTU). If there are more than two turbidity events in 12 months or more than five turbidity events in 120 months the waiver can be revoked. Maintaining this waiver is important due to the high operational costs of operating a water filtration plant full time.

Running off the storage tanks is a stressful balancing act. On one hand we want to avoid incurring a turbidity event but on the other hand we can't let the tank levels drop too low or those at higher will have little to no pressure and we also reduce our firefighting capabilities.

CBS staff are currently reviewing the 95% design plans for a water filtration plant that will be used when the penstock (pipe that supplies water to the water treatment plant and hydro-electric facility) is shut down for maintenance, inspections or emergencies. The water filtration plant will also be used during times when the turbidity in Blue Lake is above 5 NTU.

This week's turbidity spike is a reminder of the importance of having a water filtration plant during these times. Water staff would have had the filtration plant operational ahead of the storm and wouldn't have had to worry about high turbidity in the lake as that is what the water filtration plant is designed to treat. We aren't out of the woods yet as it looks as though another storm is brewing for Halloween weekend.

We are thankful to the community for reducing their water usage during this time period.



Photo of our computer monitoring system showing the turbidity spike

The heavy rains also impact our wastewater treatment facilities. Nearly all of the 100 pumps in the wastewater collection system were running during the heavy rain event on October 26<sup>th</sup>. Having a pump failure during these high rain events could result in sewage overflows or backups. This is a good time to remind the community not to flush wipes or anything other than toilet paper and bodily fluids.