

Approved: _____

Regular Meeting Minutes
Town of Montville Water and Sewer Commission
Monday March 2, 2015
Town Council Chambers – Montville Town Hall – 6:00 p.m.

1. Water and Sewer Commission

a. Call to Order

WPCA Chairman May called the regular meeting of the Water and Sewer Commission to order at 6:00 p.m.

b. Pledge of Allegiance

All stood and pledged the flag.

c. Roll Call

Present were Commissioners Murphy, Schober, Siragusa, Thorn, and WPCA Chairman/Town Council Liaison Timothy May. Also present were Administrator Brian Lynch, Superintendent Michael Didato, and Mayor Ronald McDaniel.

d. Alterations to the Agenda

Motion to move Agenda Item I-g to Item II-e-1 made by Commissioner Thorn; seconded by Commissioner Murphy; discussion, none; voice vote, 5-0; all in favor, motion carried.

e. To consider an act on a motion to approve the special meeting minutes of February 5, 2015

Motion to approve the special meeting minutes of February 5, 2015, made by Commissioner Thorn; seconded by Commissioner Schober; discussion, none; voice vote, 4-0-1, Commissioner Siragusa abstained; motion carried.

f. Communications pertaining specifically to matters which concern the Commission *None*

g. Remarks from the Public Regarding Items on the Agenda with a three-minute limit

Chairman May asked three times for remarks. There were none.

h. Report from Commission Attorney on Matters Referred

This item was moved to II-e-1 on the agenda.

i. Report from Administration Division

Administrator Lynch submitted an activity report for February 2015 that was included in the packet as follows:

1. Maureen and I are continuing to work with Tyler Technologies on the new accounting software. Tyler came and held two days of training for us. We thought we would be switching over to the new billing system for the April mailing, but it looks like July is more realistic.

2. Mike and I met with Malone & MacBroom's engineers. They are the company that will write our Water Supply Plan. They have already begun collecting data. We could tell by their questions that they are very proficient in writing these plans.
3. We will be interviewing engineering firms on March 4th and 5th for our engineering services. Mike, Chris, and I met and chose four companies to come in for interviews.
4. We are still working with Woodard & Curran on the contract for the engineering services for the Anaerobic Digester. As soon as Matt is comfortable with some language, we will sign the contract and proceed. In your folders, I have placed a copy of some of the concerns and questions that Matt is working on. I have invited Matt to attend our meeting to give an update to the Commission.

In follow up to his report, Administrator Lynch commented that he invited Attorney Matt Auger to the meeting this evening. He also commented on the WPCA Relocation as follows:

WPCA Relocation

- Administrator Lynch is going to split his time between the office and the treatment plant.
- Authorization was given to me to hire a part-time person awhile back and I would like to now hire that person to work in the office at the Town Hall at 19.5 hours per week.
- I want to convert the old grit chamber room into a training office/meeting room.
- There is work that we currently need to do—mothball the grit room. This will involve filling the voids with cement. The estimate for that will be around \$9,000.
- I contacted the correction officials that shingled the roof of the barn at the treatment plant to see if they would be willing to build the room and they said they would do it.
- Costs will include purchasing and installing heating and cooling equipment. The materials for building the office include sheetrock for the walls and drop ceiling and some office equipment and furniture. The estimated cost for the project is around \$20,000.

j. Report from Operations Division

Superintendent Didato submitted an operating report for February 2015 that was included in the packet as follows:

1. With the available data to date the Water Pollution Control Authority (WPCF) continues to be in full compliance of its NPDES permit.
2. There were no treatment plant odor complaints last month.
3. Sludge thickness increased to an averaged 6.4%. This reduces the expense of trucking/hauling sludge.
4. We had an average of 64 lbs/day of nitrogen in our discharge last month. Our 2015 limit with the DEEP is 118 lbs/day.
5. The snow and low temperatures has taken much of our energy last month.
6. I attended a meeting for the RFQ on engineering and a meeting for our water supply plan.
7. We replaced a pump in our #4 SBR and a pump that feeds our gravity belt thickener (GBT). By doing so, we have realized a higher efficiency of GBT run time. We can run the GBT faster for less time. Electrical savings.

I submitted the following:

February 2010: Installed new efficient lighting fixtures and automatic light switches at facility. Used grant money for project. (Nxegen) The balance was incrementally paid off on our electrical bill. The savings was estimated in the original Small Business Energy Advantage Financial Agreement. **A monthly savings of 10,873/kWh was illustrated. Say a dollar savings of \$1,413.49 per month.** I used 0.13/kWh is our current cost delivered.

September 2010: Installed new high efficient drives for the supply pumps that provide water to RWC. Used CL&P grant. We went from using an average of 70,000/kWh a month to 60,000/kWh a month. **Say a reduction of 10,000/kWh month, or \$1,300.00 per month savings.**

October 2011: Installed a new highly efficient Turbo Blower. The project was paid for from industrial environmental fines issued by the DEEP. I worked with the DEEP to be the recipient of money for our environmentally friendly project. We also received incentive money from CL&P) for the same. We went from using 86,400/kWh/month to 61,200/kWh/month. **Say a reduction of 25,200/kWh/month or \$3,276/month savings.**

February 2012: In a continued effort to reduce electrical cost, made adjustments after extensive testing to the working levels of the SBR's. We made adjustments to the decanter lowering speed. The objective was to keep blowers from shutting down just for a few minutes, only to start up again thus driving up our demand profile on our electrical bill. As you may know, our electric bill is calculated on electricity used and demand. (How much electricity is used in one short period of time.) When a large electrical motor starts, it draws a lot of electricity all at once. This process change does not result in a reduction of kWh. However, it does affect our demand profile on our bill.

April 2012: Made major process control changes using valves and pipes that allowed us to permanently shut off "six" pre-react blowers. Each blower had operated at 50hp all day, every day. This represents a total of a 300hp electrical reduction that can save about \$20,000 per month in our electrical bill. No cost incurred to employ this. As a result of implementing this process change, the Montville Water Pollution Control Authority was awarded the Power of Change Award for being one of the Top Wastewater Treatment Facilities. On May 12, 2013, I went to the State capital. During that visit, Montville was recognized for its outstanding achievements by State and energy leaders, including Governor Dannel P. Malloy. A very conservative calculation for the savings of shutting off 300hp motors are as follows. 300hp x (0.746/kW per hp) X 24 Hrs. X 30 Days = a reduction of 161,136/kWh/month or a \$20,947.68 per month savings.

In follow up to his report, Superintendent Didato commented on recent calls regarding the condition of manhole covers that are more visible because of the "bucking and heaving" of the roads. He also reported on a surprise full inspection by the DEP who cited the treatment plant as being "the most organized and well kept." Data, records, and equipment were checked during this visit.

k. Report from the Mayor

Mayor McDaniel thanked Administrator Lynch and Superintendent Didato for their continued help with the Energy Plan. The goal is to put data into a more uniformed form as per State guidelines. The year 2009 will be used as a baseline year to present for energy use going forward. Superintendent Didato commented on the energy savings from the process blower control and the turbo control. Mayor McDaniel also spoke about the incentive plan to increase lighting. Chairman May asked about the solar plan to which Administrator Lynch replied that they have all of the date regarding it and research on solar panels but did not get funds in order to

make efficient use of it. Energy savings would be the immediate benefit over a 4-6 year payback period.

l. Report from special or sub-committees

Chairman May comment on employing a new WPCA engineer.

m. Report from Engineers

Administrator Lynch handed out a report from URS that was not included with the packet and stated that he and Superintendent Didato were looking at finishing up the punch list on the headworks project.

n. Old Business -- None

o. New Business -- None

p. Reports/referrals from Planning & Zoning – None

q. Payment of bills – None

II. Water Commission

a. Report from Sub-Committees – None

b. Report from Engineers – None

c. Old Business – None

d. New Business – None

e. Payment of bills

- 1.** Report from Commission Attorney on matters referred. (*moved from I–g on the Agenda*)

Administrator Lynch tried to contact Attorney Auger by phone as to his estimated time of arrival and did not connect with him. He stated he would have Attorney Auger come back to speak at the April meeting.

f. Remarks from the Public

Chairman May asked three times for remarks. There were none.

g. Remarks from Commission members -- None

h. Adjournment

Motion made by Commissioner Thorn; seconded by Commissioner Siragusa to adjourn the meeting at 6:30 p.m.; discussion, none; voice vote, 5-0, all in favor; motion carried.

Respectfully submitted by,

Gloria J. Gathers
Recording Secretary, Town of Montville