

**TOWN OF LONG VIEW
TOWN ALDERMEN SPECIAL MEETING
March 7, 2006**

The Town of Long View Board of Aldermen met on Tuesday, March 7, 2006 at 5:00 p.m. for a special called meeting in the Town Council Chambers of the Government Center in Long View, North Carolina.

BOARD PRESENT: The following members of the Board were present: Mayor Norman Cook, Alderman Ken Bumgarner, Alderman Vernon Moyer, Alderman John McDaris, Alderman Jackie Bowman and Alderman Randall Mays.

STAFF PRESENT: The following members of staff were present: Town Administrator David Epley, Town Clerk Frances Hildebran, Town Attorney Redmond Dill, Water Plant Superintendent Rani Holland, and Public Works Director David Draughn.

OTHERS PRESENT: Rich Anderson with Hayes, Seay, Mattern and Mattern Engineers and Mark Hahn with NCDHNR were present.

MEETING CALLED TO ORDER: Mayor Norman Cook called the meeting to order.

RAW WATER PUMP STATION RENOVATIONS DISCUSSION: Engineer Rich Anderson reported that the Board instructed him at the last meeting to come up with an estimated cost for renovations to the raw water pump station. He presented a spread sheet showing various renovation options and cost.

He informed the Board that he brought a structural and electrical engineer to the pump station to get his opinion on the electrical and structural damage. It was determined that all the electrical wiring needed to be replaced and there was more structural damage than originally thought, therefore, the renovation estimates would be higher. He presented the following repair options and opinion of probable cost as follows:

Option One

Vertical Turbine Pumps in Cans

New Pumps (1400 gpm @ 386' TDH)

Starters and Controls

Electrical Replacement

Structural Modifications (Ground Level Flooring)

Lifting System Modifications and Roof Hatch

General Maintenance on Building

Piping and Interior Modifications

Engineering and Construction Administration 12% **\$481,600**

Option Two

Vertical Turbine Pumps in Cans – Fill Pit and Construct New Building

New Pumps (1400 gpm @ 386' TDH) (2)

Starters and Controls (2)
 Electrical Replacement
 Demo and Fill Existing Structure
 New Metal Building
 Lifting System Mechanism
 Piping Modifications
 Engineering and Construction Administration 12% **\$448,000**

Option Three

Vertical Turbine Pumps in Cans – Installed Outside Existing Building

New Pumps (1400 gpm@386'TDH) (2)
 Starters and Controls (2)
 Electrical Replacement
 Excavation for Cans in Rock
 Awning over Pumps
 General maintenance on Building
 Piping and Interior Modifications
 Engineering and Construction Administration 12% **\$414,400**

Option Four

Refurbish Existing Pump Station – Provide Redundancy in Storm Water Pumps

Refurbish Existing Pumps and Motors
 Starters and Controls (2)
 Electrical Replacement
 Redundancy in Exterior Sump Pump
 Replace Interior Sump Pumps and Controls
 General Maintenance on Building
 Refurbish/Replace Interior Valves
 Engineering and Construction Administration **\$285,600**

Mr. Anderson briefly reviewed the four options. He noted that Option One does structural modifications with ground level flooring and with lifting system modifications and a roof hatch. Option Two noted that the pump station was sitting on rock and this option does away with the pump station, a new metal building would be built on top to keep from having anything built in the pit.

Option Three would dig a hole outside the building and put the cans outside with a shelter over them. All the new electrical work would be inside. Putting the cans outside would save the town money.

Option Four refurbishes the existing pump station; however it leaves the motors at risk in case of a flood. It was noted that motors could be replaced as needed cheaper than other renovation options.

Following Mr. Anderson's presentation the Mayor and Board members asked a number of questions.

Mayor Cook questioned Option Three that if the cans were placed outside under a shelter would they be targets for vandalism? Mr. Anderson noted that ductile iron pipe was recommended and all that could be seen was the top of the cans.

Alderman Bumgarner questioned the construction of a new metal building in Option Two. He noted that staff needed to check with Duke Power Company to see if there was any problem with placing a metal building close to the power lines.

Alderman Bowman asked staff how old was the Raw Water Pump Station? It was the consensus of those present that it was built around 1966 making it approximately 40 years old.

Alderman Mays asked how much the vibration from a passing train would affect the structure. Mr. Anderson noted he would check with the structural engineer with that question.

Alderman Bumgarner noted that if the Town was going to do the project it needed to be done right because the weather cannot be predicted, and he did not think refurbishing the pumps was the right way to go.

Alderman Bowman asked if staff had checked on the financing and how much it would cost the Town over a 5 – 7 year period. He was informed that staff could have those figures available by the next meeting.

Alderman Mays also expressed concern over the amount of money this project was going to cost the Town in addition to what had already been spent.

Alderman Bumgarner stated that the Public Works staff did a great job working on the pump station to protect it from flooding again, but the Town cannot predict the weather and it could happen again so it needed to be done right.

It was stated that the pump station had not flooded in 40 years and now due to unknown circumstances it was more susceptible because of run off up stream, construction sites, etc., however there was nothing the Town could do about it.

Alderman Moyer questioned if the hole was filled in how the pipes would be maintained in the future. Mr. Anderson noted that the pipes would be coded as is normal for under ground pipes. The life expectancy of the pipes was unknown by the engineer. Mr. Moyer expressed concern about having to tear into the concrete to make repairs should something go wrong.

At this time there was detailed discussion about Option One compared to the other options. It was noted that if Option Four was used the money saved could replace a lot of

motors. Option Four would not be getting new pumps, just refurbished pumps; however, the pumps could last 20 – 30 years.

Alderman Bowman stated that he would like to see financing for Option One and Option Four because if the Town was going to be in the water business the equipment needed to be updated to take care of the Town's future needs.

Alderman Bumgarner stated he did not want to put a band aide on the pump station. Alderman Moyer stated that even Option One depends on sump pumps to get the water out and motors would have to be replaced if something happened.

The Administrator was asked to get financing figures for Option One and Option Four for the March 13th Board Meeting at which time the Board would review and make a final decision.

At this time the Water Plant Superintendent asked if the Town could get a price to install a Carbon Feed System. It was noted that this was not required by the State but would help when the lake becomes contaminated with algae blooms and the drinking water has the horrid smell. She explained the type of system needed and how it would work. Also Mr. Mark Hahn with NCDNR was present and he explained the scientific process of the carbon application to the system.

Following further comments and discussion on the carbon feeding system, the Administrator was instructed by the Board to have the following information available at the next board meeting; the cost to rebuild a pump, the cost of a new pump, the cost of a new motor, the cost to refurbish a motor, the cost to finance options one and four and the cost to add a carbon intake onto the system.

There being no further discussion, motion was made by Alderman Bowman, seconded by Alderman Mays to adjourn the meeting at 6:00 p.m. The vote was unanimous.

Town Clerk

Mayor