



## **AGENDA**

Lowell City Council Regular Meeting  
Tuesday, July 9, 2019, 7:00 P.M.

1. **CALL TO ORDER** – Mayor Sandy Railey
2. **INVOCATION / PLEDGE OF ALLEGIANCE**
3. **ADOPTION OF AGENDA FOR THIS MEETING**
4. **PUBLIC COMMENTS**
5. **PROCLAMATION IN MEMORY OF RICKIE A. BUSH (p. 2)**
6. **APPROVAL OF MINUTES**
  - A. **June 11, 2019 Regular Council Meeting Minutes (p. 3-6)**
7. **UNFINISHED BUSINESS**
  - A. **Discussion of Radar Speed Signs**
  - B. **Approval of Financing Agreement (p. 7)**
8. **NEW BUSINESS**
  - A. **Set public hearing for proposed text amendments to Land Development Code (p. 8)**
  - B. **Discussion and possible action to approve proposed Facility Use Guidelines (p. 9-13)**
  - C. **Resolution to approve the Local Water Supply Plan (p. 14-19)**
  - D. **Discussion of a new Flag Display on City Hall grounds (p. 20-21)**
9. **STAFF AND COMMITTEE REPORTS**
10. **CITY ATTORNEY REPORT**
11. **CITY MANAGER REPORT**
12. **MAYOR AND CITY COUNCIL GENERAL DISCUSSION**
13. **ADJOURN**



**PROCLAMATION IN MEMORY OF  
RICKIE A. BUSH**

**WHEREAS**, it is with deep sadness that the City of Lowell Council has learned of the death of Rickie A. Bush which occurred on May 30, 2019 and

**WHEREAS**, he was a pillar of the Lowell community serving in the governmental affairs of the town for many years; and

**WHEREAS**, he was a dedicated public servant who worked to enhance the lives of Lowell residents during his sixteen-year term as a City Council from December 1999 to December 2015; and a Planning Board and Board of Adjustment member from July 1996 to December 1999; and

**WHEREAS**, he offered himself unselfishly and willingly in the pursuit of a better community for all citizens; and

**NOW, THEREFORE, I, SANDY H. RAILEY**, Mayor of the City of Lowell, on behalf of the City of Lowell Council, do hereby proclaim that the City extend its sincere appreciation to Rickie A. Bush for his contributions to the community and offers condolences and deepest sympathies to his wife, Joyce, family and friends on behalf of the grateful residents of Lowell.

This the 9<sup>th</sup> day of July, 2019.

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Sandy H. Railey, Mayor

ATTEST:

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Beverly Harris, City Clerk

## MINUTES

Lowell City Council

Regular Meeting

Tuesday, June 11, 2019, 7:00 P.M.

### I. CALL TO ORDER – Mayor Sandy Railey

Mayor Sandy Railey called the meeting to order at 7:00 p.m. Those attending were Councilmember Phil Bonham, Councilmember Ken Ervin, Councilmember Candy Funderburk, Councilmember Thomas Gillespie, City Attorney Jim Windham, City Manager Kevin Krouse, City Clerk Beverly Harris, Police Chief Scott Bates, Parks & Recreation Director Cristy Cummings, Development Services Administrator Scott Attaway, and various citizens. Councilmember DeWayne Chitwood was absent.

### II. INVOCATION / PLEDGE OF ALLEGIANCE

Councilmember Gillespie gave the invocation and led everyone in the pledge of allegiance.

### III. ADOPTION OF AGENDA FOR THIS MEETING

Councilmember Ervin made a motion to adopt the agenda for the meeting, followed by a second from Councilmember Gillespie. The vote was unanimous.

### IV. PUBLIC COMMENTS

John Cato was against alcohol served at Freedom Festival.

Larry Simonds had concerns over audit and proposed budget.

Ann Worthy was against the African American Flat project and monument.

### V. APPROVAL OF MINUTES

#### A. May 14, 2019 Regular Council Meeting Minutes

Councilmember Ervin made a motion to approve the minutes from the May 14, 2019 Council meeting, followed by a second from Councilmember Gillespie. The vote was unanimous.

### VI. UNFINISHED BUSINESS

#### A. Proposed Fiscal Year 2019-2020 Budget and Fee Schedule

Kevin Krouse stated the proposed FY2019-2020 budget maintains the current tax rate of \$0.43/\$100 and no fee increases in the General Government. A 3% increase

in water and sewer rates is proposed for the Proprietary Enterprise Fund to pay for needed Capital projects.

Councilmember Ervin made a motion to approve the proposed FY 2019-2020 budget and fee schedule, followed by a second from Councilmember Funderburk. The vote was unanimous.

B. Public Hearing for Rezoning Case No. RZ19-03

Councilmember Funderburk made a motion to go into Public Hearing for rezoning case no RZ19-03, followed by a second from Councilmember Ervin. The vote was unanimous.

Scott Attaway stated the city had received a request from Mr. Geoffrey Brian Weber to rezone the property located at 119 Ashe Street, Lowell, NC Property Parcel ID #185402, from the RMF Zoning District to the C-3 Zoning District.

Doug Arthurs presented the request on behalf of Geoffrey Brian Weber to Council.

James Johnson, (Johnson Circle), wanted to know if he lived in Lowell city limits or county. He had concerns about services not offered to non-city residents.

Councilmember Ervin made a motion to close the Public Hearing, followed by a second from Councilmember Gillespie. The vote was unanimous.

Councilmember Ervin made a motion to approve the rezoning case no RZ19-03 changing zoning from RMF to C-3, followed by a second from Councilmember Gillespie. The vote was unanimous.

**VII. NEW BUSINESS**

A. Budget Amendment for Parks and Recreation

Cristy Cummings presented a budget amendment for the transfer of \$5,736 from the General fund balance to Park and Recreation for the purchase of a new shelter at Harold Rankin Park that was approved at the May 2019 Council meeting.

Ms. Cummings introduced Penny Stubbs and Jimmie Johnson from the Lowell Women's Club. The Lowell Women's Club donated \$2000.00 towards the purchase of the new shelter at Harold Rankin Park.

Councilmember Ervin made a motion to approve the budget amendment for the transfer of \$3,736 from the General Fund balance to Park and Recreation for the purchase of a new shelter at Harold Rankin Park, followed by a second from Councilmember Gillespie. The vote was unanimous.

B. Resolution of Support for Grant Application for 2019 BUILD Grant Funding

Kevin Krouse stated the Mayor and City Planner will be traveling to Washington DC to meet with a lobbyist to discuss the grant application for the 2019 BUILD grant funding. Mayor Railey read the Resolution of support for the Grant Application for 2019 BUILD Grant Funding.

Councilmember Gillespie made a motion to approve the Resolution of support for Grant Application for 2019 BUILD Grant Funding, followed by a second from Councilmember Funderburk. The vote was unanimous.

C. Speed Radar Signs

Kevin Krouse gave an overview and showed a video on the manufacturer of speed radar signs. Mr. Krouse stated the purchase price for them average \$4000/ea. Council directed staff to research other vendors and pricing on the speed radar signs.

**VIII. STAFF REPORTS**

A. Freedom Festival Report

Cristy Cummings gave an overview of the Freedom Festival report. She also stated she would like to explore moving the festival to a cooler time of year and away from the Memorial Day weekend. Council directed staff to research possible dates for next year.

**IX. CITY ATTORNEY REPORT**

Jim Windham didn't have anything new to report.

**X. CITY MANAGER REPORT**

Kevin Krouse informed Council about the employee cookout scheduled for Friday, June 28<sup>th</sup>.

**XI. MAYOR AND CITY COUNCIL GENERAL DISCUSSION**

Councilmember Gillespie stated Ann Worthy's comment on the Flats project upset him. He felt there should be a sign there for everyone to remember the families that lived in that area. Councilmember Gillespie also asked that the order of protocol be followed in the future in regards to Mayor Pro-Tem representing the City of Lowell in the Mayor's absence. Councilmember Funderburk thanked the citizens who stayed until the end of the meeting to hear the Council's reports. Councilmember Funderburk gave clarification to citizens to previous comments stated during Public Comments that was untrue about Council and how the City

operates. She also stated she was proud of the staff, budget, and work that had been accomplished for the City.

Councilmember Ervin thanked the City Manager and staff for outstanding work they do daily. He also gave an update on a recent monthly Lowell VFD meeting he attended.

Mayor Railey thanked all citizens for coming to the meeting and thanked staff.

**XII. CLOSED SESSION – ACQUISITION OF REAL PROPERTY - NCGS 143-318.11(a)(5).**

A motion was made at 8:41 pm by Councilmember Funderburk to go into Closed Session in accordance with provisions of NCGS 143-318.11(a)(5), followed by a second from Councilmember Ervin. The vote was unanimous.

The Council reconvened from Closed Session at 9:10 pm.

**XIII. ADJOURN**

Councilmember Ervin made a motion to adjourn the meeting, followed by a second from Councilmember Funderburk. The vote was unanimous. The meeting ended at 9:10pm.

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Mayor, Sandy Railey

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City Clerk, Beverly Harris

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**AGENDA ITEM INFORMATION**

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**AGENDA ITEM #:** 7B

**DESCRIPTION:** FINANCING FOR WATER METERS

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We have received 4 options for financing the water meter project.

- 1) United Financial , 20 year at 3.90% annual payment of \$31,855
- 2) United Financial , 15 year at 4.4% annual payment of \$40,340
- 3) Highland Finance , 10 year at 3.14% annual payment of \$51,846
- 4) USDA Financing , 40 year (rate between 3-4%) annual payments graduated

Staff recommend the first option with United Financial that best suits our budgetary needs currently. This annual payment amount of \$31,855 amount has been included in the approved 2019-20 budget. This rate is subject to an adjustment after 10 years based on Treasury Bill interest rates but should still remain very competitive. The 15 year financing option is fixed but would require a utility rate increase to pay the additional \$9,000.

**RECOMMENDED ACTION:** Authorize the City Manager to execute loan agreements with United Financial to fund the water meter replacement project.

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AGENDA ITEM INFORMATION

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AGENDA ITEM #: 8A

DESCRIPTION: SET PUBLIC HEARING

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To: Kevin Krouse  
From: Scott Attaway  
Date: 7-2-19  
Re: Schedule Public Hearing

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Please schedule a public hearing for August 13, 2019 with the Lowell City Council for consideration of staff-initiated text amendments to the Lowell Unified Development Ordinance. Full descriptions of the text amendments will be provided for the next regularly scheduled Lowell City Council agenda.

The Lowell Planning Board has recommended approval of the following text amendments to the Lowell UDO:

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*Sign Regulations Table 12.4-6*

*Street Right of Way Section 13.16.1*

*Table of Uses Table 7.1-1*

*Use and Building Lot Standards Chapter 7.1-4(A)*

*Chapter 4 - Clarification of TRC Board membership*

*Chapter 5 - Clarification of joint hearings*

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**RECOMMENDED ACTION: Set Public Hearing**

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**AGENDA ITEM INFORMATION**

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**AGENDA ITEM #:** 8B

**DESCRIPTION:** FACILITY USE AGREEMENT

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To: Kevin Krouse, City Manager  
From: Cristy Cummings, Parks and Recreation Director  
Date: July 1, 2019  
Subject: Rules Governing Parks and Recreation Facilities

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Kevin,

I've attached an updated list of rules governing all Lowell Parks and Recreation Facilities. Our current set of rules does not address rules for any facility except for the Community Center. Many of these new rules will help keep our citizens feel welcome and safe in our facilities as well as preventing the City from being held account for liability lawsuits. These rules will also help prevent property damages from occurring to the City facilities and grounds. Some of the rules pertaining to the Community Center are already verbally enforced but need to be put into writing so those rules can be enforced.

If you have any questions, please let me know.

Thank you,  
Cristy Cummings

**RECOMMENDED ACTION:** Approve included regulations

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**CITY OF LOWELL**  
**RULES GOVERNING PARKS AND RECREATION FACILITY RENTALS**

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**1. Scheduling, Changes, and Cancellation**

- a. The Lowell Community Center (“Center”) is provided by the City of Lowell primarily for the use and convenience of the citizens within the corporate bounds of the City of Lowell. Others may be permitted to use the premises when their use is not in conflict with the use by the citizens of Lowell.
- b. Those using the Community Center shall exercise proper care and prudence. Anyone abusing the building, furnishings or grounds will forfeit their use privilege and deposit. The applicant will be, in addition to, responsible for any additional costs associated with the clean-up and or repairs resulting from the misuse of the facility. The City, through duly designated employees and / or representatives, will have the responsibility and authority to deny use to any person(s), clubs or organizations that violate proper care of the facility.
- c. All persons desiring to use the Center for a group, organizational meeting or other function, shall execute a formal “Use Contract”. This contract is to be in a form and manner specifically approved by the City Council. The original contract shall remain at City Hall, or in the custody of the City. Copies of the “Use Contract” executed by the applicant shall be given to the person wishing to use the center, the City of Lowell Police Department and the City’s designated control person or group.
- d. Anyone desiring to use the Center should make a request at the Lowell City Hall during regular business hours (8:00 am – 5:00 pm, Monday through Friday). All applicants must complete the LCC-101 form or “Use Contract” and make the required security deposit hereinafter described. Applicants for the use of the Center shall not be accepted more than six (6) months before the date of use. No one may be permitted to pre-arrange the use of the Center more than two events every six (6) months. Applicants wishing to use the Center on a more regular basis should submit a written request specifying the day and time of desired use. These requests are to be submitted to the City Council for approval.
- e. All clubs and organizations desiring to use the Center on a regular basis should submit a special written request specifying the day and time of desired use. A form will be provided for this purpose. These requests are to be submitted to the City Council for approval and the City will notify the organization when or if the request is approved or denied.
- f. The majority of the members of all clubs or organizations specifically approved and using the Center on a regular basis must be a citizen and resident of the city of Lowell.
- g. All reservation cancellations must be made in writing. Deposits will be refunded in full if the reservation is cancelled prior to your event. Usage fees are non-refundable. Requests to change the time or date of an event will be accepted in writing. Approval is subject to facility availability. Additional rental fees must be paid in full at the time of the change. Date changes will be treated as a cancellation and new reservation.
- h. The City, acting in good faith, may cancel your event in circumstances where the facility you requested becomes unsafe for your intended use. Such circumstances include but are not limited to, natural disasters, environmental hazards, civil disturbances or other events affecting public health and safety. In such circumstances, the City is under no obligation to

refund your rental fee or any of your deposits, but it may do so at its sole discretion. The City will attempt to give you reasonable notice of the cancellation.

**2. Deposits and Payment**

- a. Usage fee is due in full at time of the facility reservation.
- b. At the time the use fee is paid, applicant shall pay security deposit for all applicable rental facilities the applicant is renting. The deposit shall be held by the City, without accruing interest, as security to secure full performance of Applicant's obligations including damages to the Premises. The deposit is not a limitation upon any City claim for damage.
- c. Security deposits are 100% refundable provided the following conditions are met:
  - The facility (including outside) are left in clean and orderly condition per the "Facility Inspection Checklist."
  - Use of the facility does not exceed the scheduled time.
  - The facility and its contents are accounted for and undamaged.
  - All rules and procedures governing City of Lowell facility use are met.If the above conditions are not met to the satisfaction of city staff, an appropriate fee will be deducted from the security deposit. If cleaning and/or repair costs exceed the amount of the security deposit, the rental group will be billed. Repairs will be billed at the full replacement cost incurred, including labor.
- d. Security Deposits must be paid in cash only.
- e. If a security deposit has not been picked up within one week from the event, the City of Lowell has the right to apply the deposit to the community center renter's water account if they are a resident of Lowell.
- f. Potential facility renters must have an active water account if paying for a rental in order for a credit card to be accepted.

**3. Liability and Insurance Requirements**

- a. The City reserves the right to require the applicant to obtain a liability insurance policy.
- b. Applicant shall indemnify and hold harmless the City from any and all claims and expenses for loss or liability made against the City by any person or entity of personal injury or property damage that results directly or indirectly from any act, incident occurring in, upon, or about the Premises as a result of the acts, errors or omissions of the Applicant, its agents or event patrons, or arising in connection with the operations, use and occupancy of the Premises by Applicant, its agents or event patrons. Applicant further waives all claims against the City on the account of any loss, damage, injury from whatever cause which may occur to it or its property in the use and occupancy of the premises, the delivery of this waiver being one of the considerations upon which this agreement is accepted.

**4. Parking and Noise**

- a. Vehicles must remain in designated parking areas.
- b. No parking on the grass.
- c. Noise volume must be contained to the boundaries of the park/building.

**5. Food and Drink (Catering and Alcohol)**

- a. Alcohol is prohibited at all City owned facilities unless approved as part of a special event permit.
- b. Food is welcome at all facilities. Applicants are responsible for the care and condition of any kitchen equipment being used.
- c. All applicable Health Department rules apply governing food handling.

**6. General Rules**

- a. The maximum number of people allowed inside the Community Center is 47.
- b. All park activities shall cease at 10:00pm. All Community Center activities shall cease at 11:00pm.
- c. The sale of goods and merchandise are prohibited.
- d. Alcoholic beverages, drugs, or gambling will not be allowed on the premises of any facility owned or operated by the City of Lowell.
- e. All Parks and Recreation facilities are tobacco-free and smoke-free.
- f. Only folding tables and chairs may be moved. All other furnishings must remain in place.
- g. All decorations and other equipment must be removed immediately following the use of the facility. At no time shall nails, tacks, tape, etc. be attached to the walls, floors, ceilings, or posts of the facility.
- h. Authorized employees of the City of Lowell and/or their representatives shall be granted access to any facility.
- i. Bob Bolick Park is a separate facility from the Lowell Community Center. Applicants using the Community Center are welcome to use Bob Bolick Park but do not have exclusive use to Bob Bolick Park.
- j. A person having a ball field reserved must exercise good judgement in the use of field after a rain. Extremely wet fields shall not be used. Damages caused to a field by using it while too wet shall be repaired or paid by the person(s) reserving the field.

**7. Prohibited Activities/Items:**

- a. Prohibited activities/items include, but are not limited to, bounce houses, inflatable play equipment, trampolines, fountains, swimming pools, mechanical rides, water slides, any form of activity that involves the use of running water, aircraft, climbing walls, dunk tanks, fireworks, firecrackers, explosives, rockets, flammable material, golf, horseback riding, hot air balloons, model airplanes, petting zoos, pony rides, search lights, and metal detecting on athletic fields.
- b. Weapons, including but not limited to such items such as knives, firearms, bows and arrows, martial arts weapons, are prohibited.

**8. Business Activity/Use and Solicitations**

- a. Soliciting, selling, peddling, advertising, distribution, posting for a commercial purpose of personal gain of any printed handbills, circulars, or signs, or erecting any signboard, sign, billboard, bulletin board, post, pole, or device of any kind for advertising is prohibited.
- b. It is unlawful to conduct any type of business activity in any park without first obtaining a Temporary Use Permit. Business activity shall include, but not limited to, sale of food, beverages or merchandise, providing classes or other forms of instruction for a fee or other valuable consideration, or use of a park facility for advertising any business, product, or service.

**9. Temporary Use Permits**

- a. Specially requested activities that involve short-term use of City facilities and grounds for non-City sponsored activities or uses must obtain a temporary use permit.
- b. Temporary use permits for such activities shall be issued only after finding that the issuance of such permits will not be inconsistent with the purposes for which the facility is established and maintained and will cause the minimum possible interference with the use of the area by the general public. The permit may contain such reasonable conditions and

restrictions as to the duration and area occupied as are necessary for the protection of the area and public use thereof.

**10. Facility Set Up and Clean Up**

- a. The renter is responsible for set-up including moving portable furnishings and setting up tables and chairs as well as take down and clean up.
- b. There is no pre-setup or staging prior to applicant's date/hours.
- c. All furnishings must be returned to their original locations and equipment properly stored. Use caution so that floors and walls are not damaged. The City will not be liable for any personal injuries or damage to personal property. Please see the agreement section of the Facility Use Request Form.
- d. All items brought into the facility by the renter must be removed by the end of the rental. Renters must remove all food, materials, non-City equipment, decorations and garbage. Refer to the "Facility Inspection Checklist" for a list of tasks you are required to complete at the conclusion of your event. It is your responsibility to properly dispose of trash and leave the facility clean and intact. Tables stained as a result of your use will be assessed a cleaning fee. At the conclusion of your event, you must complete a "Facility Inspection Checklist" and place in the kitchen.

**11. Pets and Service Animals**

- a. All dogs and/or pets must be kept on a leash and under the control of its owner.
- b. Pets are not allowed in the Community Center or Concession Stand with the exception of Service Animals.

**RECOMMENDED ACTION: Approve included regulations**

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**AGENDA ITEM INFORMATION**

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**AGENDA ITEM #:** 8C

**DESCRIPTION:** LOCAL WATER SUPPLY PLAN

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The Local Water Supply Plan is required to be updated every 5 years. This task is accomplished by our public works department. The plan is attached along with the required resolution needed from City Council to approve the plan.

**WHAT IS A LOCAL WATER SUPPLY PLAN?**

A Local Water Supply Plan is an assessment of a water system's current and future water needs and its ability to meet those needs. By understanding current and future needs, local governments will be better able to manage water supplies and better prepared to plan for water supply system improvements.

**WHAT IS THE LAW?**

North Carolina General Statute G.S. 143-355(l) requires all units of local government that provide or plan to provide public water service to prepare a Local Water Supply Plan. All community water systems that regularly serve 1,000 or more service connections or serve more than 3,000 people are also required to prepare a Local Water Supply Plan.

North Carolina Administrative Code 15A NCAC 02E 0.0600 requires all systems subject to G.S. 143-355(l) to electronically submit an annual water use update based on their water use and system conditions by April 1st of every year for the period of January 1st to December 31st of the prior year.

**RECOMMENDED ACTION:** Approve resolution

**RESOLUTION FOR APPROVING LOCAL WATER SUPPLY PLAN**

WHEREAS, North Carolina General Statute 143-355 (l) requires that each unit of local government that provides public water service or that plans to provide public water service and each large community water system shall, either individually or together with other units of local government and large community water systems, prepare and submit a Local Water Supply Plan; and

WHEREAS, as required by the statute and in the interests of sound local planning, a Local Water Supply Plan for the City of Lowell, has been developed and submitted to the Lowell City Council for approval; and

WHEREAS, the Lowell City Council finds that the Local Water Supply Plan is in accordance with the provisions of North Carolina General Statute 143-355 (l) and that it will provide appropriate guidance for the future management of water supplies for the City of Lowell, as well as useful information to the Department of Environmental Quality for the development of a state water supply plan as required by statute;

NOW, THEREFORE, BE IT RESOLVED by the City Council the City of Lowell that the Local Water Supply Plan entitled, City of Lowell 2018 Local Water Supply Plan dated May 20 2019, is hereby approved and shall be submitted to the Department of Environmental Quality, Division of Water Resources; and

BE IT FURTHER RESOLVED that the Lowell City Council intends that this plan shall be revised to reflect changes in relevant data and projections at least once every five years or as otherwise requested by the Department, in accordance with the statute and sound planning practice.

This the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

ATTEST:

# Lowell

2018 ▾

The Division of Water Resources (DWR) provides the data contained within this Local Water Supply Plan (LWSP) as a courtesy and service to our customers. DWR staff does not field verify data. Neither DWR, nor any other party involved in the preparation of this LWSP attests that the data is completely free of errors and omissions. Furthermore, data users are cautioned that LWSPs labeled **PROVISIONAL** have yet to be reviewed by DWR staff. Subsequent review may result in significant revision. Questions regarding the accuracy or limitations of usage of this data should be directed to the water system and/or DWR.

## 1. System Information

### Contact Information

Water System Name: **Lowell** PWSID: **01-36-060**  
 Mailing Address: **101 W. First St. Lowell, NC 28098** Ownership: **Municipality**  
 Contact Person: **Thomas Shrewsbury** Title: **Public Works Director**  
 Phone: **704-824-1072** Cell/Mobile: **704-913-1149**

**Complete**

### Distribution System

Line Type	Size Range (Inches)	Estimated % of lines
Asbestos Cement	6-12	2.00 %
Cast Iron	6-12	20.00 %
Ductile Iron	6-12	15.00 %
Galvanized Iron	2	38.00 %
Polyvinyl Chloride	2"-12	25.00 %

What are the estimated total miles of distribution system lines? **32 Miles**  
 How many feet of distribution lines were replaced during 2018? **0 Feet**  
 How many feet of new water mains were added during 2018? **2,100 Feet**  
 How many meters were replaced in 2018? **36**  
 How old are the oldest meters in this system? **22 Year(s)**  
 How many meters for outdoor water use, such as irrigation, are not billed for sewer services? **109**  
 What is this system's finished water storage capacity? **0.0000 Million Gallons**  
 Has water pressure been inadequate in any part of the system since last update? *Line breaks that were repaired quickly should not be included.* **No**

### Programs

Does this system have a program to work or flush hydrants? **Yes, Annually**  
 Does this system have a valve exercise program? **No, As Needed**  
 Does this system have a cross-connection program? **Yes**  
 Does this system have a program to replace meters? **Yes**  
 Does this system have a plumbing retrofit program? **Yes**  
 Does this system have an active water conservation public education program? **Yes**  
 Does this system have a leak detection program? **No**

### Water Conservation

What type of rate structure is used? **Decreasing Block**  
 How much reclaimed water does this system use? **0.0000 MGD** For how many connections? **0**  
 Does this system have an interconnection with another system capable of providing water in an emergency? **No**

## 2. Water Use Information

### Service Area

Sub-Basin(s)	% of Service Population	County(s)	% of Service Population
South Fork Catawba River (03-2)	100 %	Gaston	100 %

What was the year-round population served in 2018? **3,725**  
 Has this system acquired another system since last report? **No**

# JULY 2019 LOWELL CITY COUNCIL AGENDA

## Water Use by Type

Type of Use	Metered Connections	Metered Average Use (MGD)	Non-Metered Connections	Non-Metered Estimated Use (MGD)
Residential	1,559	0.1990	0	0.0000
Commercial	121	0.0430	0	0.0000
Industrial	0	0.0000	0	0.0000
Institutional	5	0.0110	0	0.0000

How much water was used for system processes (backwash, line cleaning, flushing, etc.)? 0.0250 MGD

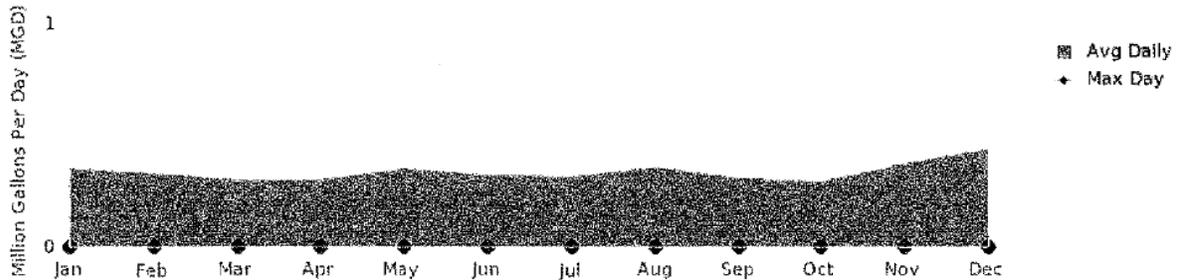
Regarding the elevated amount of unaccounted-for-water in 2018 (18% of supply) -- in the summer of 2018 Lowell had a 2Inch line break at I-85 and N. Main St. The line leaked for approximately two months while city staff worked on financing and logistics with NCDOT. After the leak was repaired, our records indicated a drastic reduction in water loss for the rest of the year.

## 3. Water Supply Sources

### Monthly Withdrawals & Purchases

	Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)		Average Daily Use (MGD)	Max Day Use (MGD)
Jan	0.3460		May	0.3490		Sep	0.3020	
Feb	0.3240		Jun	0.3190		Oct	0.2900	
Mar	0.2960		Jul	0.3100		Nov	0.3690	
Apr	0.2950		Aug	0.3540		Dec	0.4300	

Lowell's 2018 Monthly Withdrawals & Purchases



### Water Purchases From Other Systems

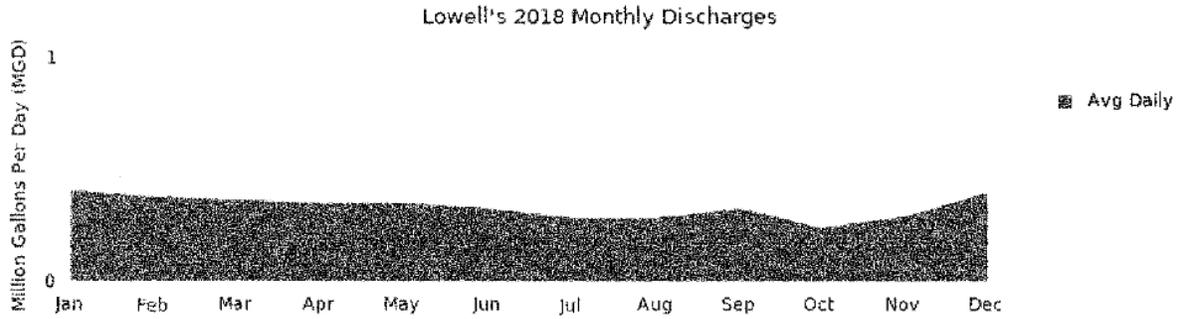
Seller	PWSID	Average Daily Purchased (MGD)	Days Used	MGD	Contract Expiration	Recurring	Required to comply with water use restrictions?	Pipe Size(s) (Inches)	Use Type
Two Rivers Utilities	01-36-010	0.3400	365	0.6180	2029	Yes	Yes	12	Regular

0.3400 MGD for 365-day average is confirmed from billing records.

## 4. Wastewater Information

### Monthly Discharges

	Average Daily Discharge (MGD)		Average Daily Discharge (MGD)		Average Daily Discharge (MGD)
Jan	0.4070	May	0.3430	Sep	0.3230
Feb	0.3730	Jun	0.3220	Oct	0.2350
Mar	0.3590	Jul	0.2830	Nov	0.2860
Apr	0.3420	Aug	0.2800	Dec	0.3950



How many sewer connections does this system have? **1,661**  
 How many water service connections with septic systems does this system have? **107**  
 Are there plans to build or expand wastewater treatment facilities in the next 10 years? **No**

**Wastewater Permits**

Permit Number	Permitted Capacity (MGD)	Design Capacity (MGD)	Average Annual Daily Discharge (MGD)	Maximum Day Discharge (MGD)	Receiving Stream	Receiving Basin
NC0025861	0.6000	0.6000	0.3290		South Fork of Catawba River	South Fork Catawba River (03-2)

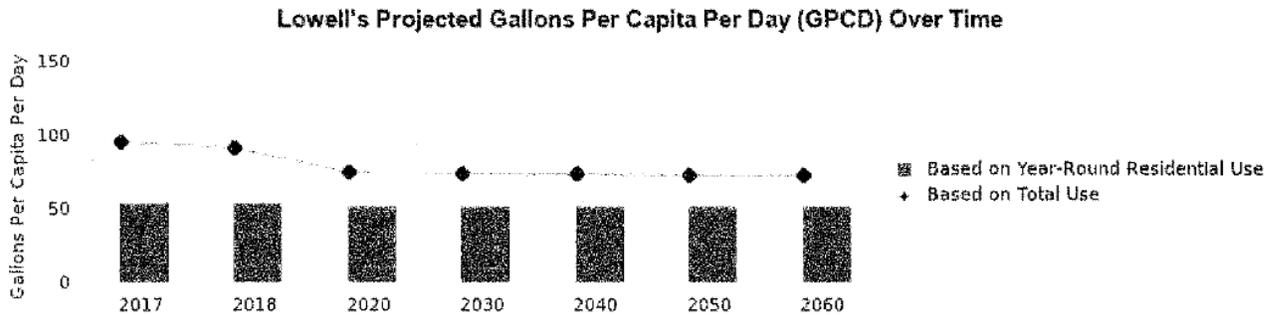
**5. Planning**

**Projections**

	2018	2020	2030	2040	2050	2060
<b>Year-Round Population</b>	<b>3,725</b>	<b>4,160</b>	<b>4,344</b>	<b>4,528</b>	<b>4,712</b>	<b>4,896</b>
<b>Seasonal Population</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>
<b>Residential</b>	<b>0.1990</b>	<b>0.2120</b>	<b>0.2200</b>	<b>0.2300</b>	<b>0.2400</b>	<b>0.2490</b>
<b>Commercial</b>	<b>0.0430</b>	<b>0.0433</b>	<b>0.0450</b>	<b>0.0468</b>	<b>0.0487</b>	<b>0.0507</b>
<b>Industrial</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Institutional</b>	<b>0.0110</b>	<b>0.0111</b>	<b>0.0114</b>	<b>0.0117</b>	<b>0.0121</b>	<b>0.0125</b>
<b>System Process</b>	<b>0.0250</b>	<b>0.0251</b>	<b>0.0256</b>	<b>0.0261</b>	<b>0.0266</b>	<b>0.0272</b>
<b>Unaccounted-for</b>	<b>0.0620</b>	<b>0.0210</b>	<b>0.0200</b>	<b>0.0190</b>	<b>0.0180</b>	<b>0.0170</b>

**Demand vs Percent of Supply**

	2018	2020	2030	2040	2050	2060
<b>Surface Water Supply</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Ground Water Supply</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Purchases</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>
<b>Future Supplies</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Total Available Supply (MGD)</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>	<b>0.6180</b>
<b>Service Area Demand</b>	<b>0.3400</b>	<b>0.3125</b>	<b>0.3220</b>	<b>0.3336</b>	<b>0.3454</b>	<b>0.3564</b>
<b>Sales</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Future Sales</b>		<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>	<b>0.0000</b>
<b>Total Demand (MGD)</b>	<b>0.3400</b>	<b>0.3125</b>	<b>0.3220</b>	<b>0.3336</b>	<b>0.3454</b>	<b>0.3564</b>
<b>Demand as Percent of Supply</b>	<b>55%</b>	<b>51%</b>	<b>52%</b>	<b>54%</b>	<b>56%</b>	<b>58%</b>



The purpose of the above chart is to show a general indication of how the long-term per capita water demand changes over time. The per capita water demand may actually be different than indicated due to seasonal populations and the accuracy of data submitted. Water systems that have calculated long-term per capita water demand based on a methodology that produces different results may submit their information in the notes field.

Your long-term water demand is 53 gallons per capita per day. What demand management practices do you plan to implement to reduce the per capita water demand (i.e. conduct regular water audits, implement a plumbing retrofit program, employ practices such as rainwater harvesting or reclaimed water)? If these practices are covered elsewhere in your plan, indicate where the practices are discussed here.

Are there other demand management practices you will implement to reduce your future supply needs?

What supplies other than the ones listed in future supplies are being considered to meet your future supply needs?

How does the water system intend to implement the demand management and supply planning components above?

Additional information

Has this system participated in regional water supply or water use planning? No

What major water supply reports or studies were used for planning?

Please describe any other needs or issues regarding your water supply sources, any water system deficiencies or needed improvements (storage, treatment, etc.) or your ability to meet present and future water needs. Include both quantity and quality considerations, as well as financial, technical, managerial, permitting, and compliance issues:

The Division of Water Resources (DWR) provides the data contained within this Local Water Supply Plan (LWSP) as a courtesy and service to our customers. DWR staff does not field verify data. Neither DWR, nor any other party involved in the preparation of this LWSP attests that the data is completely free of errors and omissions. Furthermore, data users are cautioned that LWSP's labeled **PROVISIONAL** have yet to be reviewed by DWR staff. Subsequent review may result in significant revision. Questions regarding the accuracy or limitations of usage of this data should be directed to the water system and/or DWR.

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**AGENDA ITEM INFORMATION**

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**AGENDA ITEM #:** 8D

**DESCRIPTION:** FLAG DISPLAY

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Staff recommends a new flag display on City Hall Grounds. The current pole does not allow display of the US flag and NC flag properly at the same time. There is also no room for a city flag. It is important to have proper honor of our flags at our main government building. We are recommending the purchase of 3 flag poles. One 30' for the US flag and two 25' poles for NC and City flags (*example in photo below*). Because of power line and size constraints the recommended location is shown in the picture below. The two crepe myrtles and Bradford pear would be removed, and the poles and lighting located here. It would make a good impression on those entering from the N. Main street gateway.

There are two preferred vendors for this purchase and the two quotes received are:

Carrot Top Outdoor: \$10,590 (includes in-ground installation)

Carolina Flag and Pole: \$6,320 (includes in-ground installation)



**Recommended Action:** Approve quote from Carolina Flag and Pole for \$6,320 (attached)

