
UTILITY ADVISORY COMMITTEE

CITY OF LAKE CITY

July 21, 2021 at 3:00 PM

Venue: City Hall

AGENDA

REVISED

The meeting will be held in the City Council Chambers on the second floor of City Hall located at 205 North Marion Avenue, Lake City, FL 32055. The meeting will also be available via communications media technology.

CMT instructions are located at the end of this Agenda

Call to Order

Roll Call

Minutes - June 23, 2021

- [1.](#) June 23, 2021

Approval of Agenda

Persons Wishing to Address Committee

Citizens are encouraged to participate in City of Lake City meetings. The City of Lake City encourages civility in public discourse and requests that speakers direct their comments to the Chair. Those attendees wishing to share a document and or comments in writing for inclusion into the public record must email the item to submissions@lcfla.com no later than noon on the day of the meeting. Citizens may also provide input to individual council members via office visits, phone calls, letters and e-mail that will become public record.

Old Business

- [2.](#) Discussion and Possible Action - Status of Ongoing Projects

3. Discussion and Possible Action - Status of Projects (Jaime Bell, Jones Edmunds)
4. Discussion and Possible Action - Master Plan - Jones Edmunds Update
5. Discussion and Possible Action - Potable Water Route for North Florida Mega Industrial Park (Presentation - Jamie Bell, Jones Edmunds)
6. Discussion and Possible Action: SR47/75 Sewer Project Cost Increase and Update
7. Discussion and Possible Action - Joint Funding for Utility Expansion Projects - Bell Street Corridor and other projects
8. Discussion and Possible Action - Alternative Water Supply Study Update
9. Discussion and Possible Action - Septage at St. Margaret's Wastewater Treatment Facility (Presentation - Cody Pridgeon, Wastewater Director)

New Business

10. Bell Street Project/Sewer Capacity - Presentation Jamie Bell, Jones Edmunds

Next Meeting Date: Wednesday, August 18, 2021 at 3:00 PM

Adjournment

CMT Information

Members of the public may also view the meeting live on our Youtube channel at:
<https://www.youtube.com/channel/UC28Eyfa2Uogc-8VTWqafG3w>

Pursuant to 286.0105, Florida Statutes, the City hereby advises the public if a person decides to appeal any decision made by the City with respect to any matter considered at its meetings or hearings, he or she will need a record of the proceedings, and that, for such purpose, he or she may need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based.

SPECIAL REQUIREMENTS: Pursuant to 286.26, Florida Statutes, persons needing special accommodations to participate in these meetings should contact the **City Manager's Office at (386) 719-5768.**

File Attachments for Item:

1. June 23, 2021

The City Utility Advisory Committee for the City of Lake City met on June 23, 2021, at 3:00 PM in the Council Chambers on the second floor of City Hall located on 205 North Marion Ave, Lake City, Florida.

CALL TO ORDER

Chairman Sampson called the meeting to order at 3:05 PM. Attendance is indicated below.

ROLL CALL

Executive Director of Utilities	Paul Dyal
County Commissioner	Rocky Ford
Interim City Manager	Ami Fields
Columbia Co. Economic Development	Glenn Hunter
City Council Member	Eugene Jefferson
County Manager	David Kraus
County Commissioner	Tim Murphy
City Council Member – Chairman	Todd Sampson
City Attorney	Frederick Koberlein, Jr.
City Clerk – Committee Secretary	Audrey Sikes

MINUTES

1. April 21, 2021

Mr. Murphy made a motion to approve the April 21, 2021 minutes as presented. Mr. Hunter seconded the motion and the motion carried unanimously on a voice vote.

APPROVAL OF AGENDA

Mr. Ford made a motion to approve the agenda as presented. Mr. Jefferson seconded the motion and the motion carried unanimously on a voice vote.

PERSONS WISHING TO ADDRESS COMMITTEE – None

OLD BUSINESS

2. Discussion and Possible Action - Status of Projects
Paul Dyal provided an update on the SR 47/ I75 project. He reported three bids were received over the original amount and staff would like to award the contract to Legacy.
3. Discussion and Possible Action - Status of Projects (Jaime Bell, Jones Edmunds)
Jaime Bell provided an update on the SR 47/ I75 project. She reported it would be a 12-month project as the timeline has been extended due to material shortage. The lowest bidder was Legacy Water Group, and the application for the grant is due July 15th.

Mr. Dyal made a motion to recommend to City Council to move forward with the contract to be awarded to the lowest and responsive bidder, with Legacy Water

Works, Inc. as recommended by Jones Edmunds with funding addressed at a later date. Mr. Murphy seconded the motion and the motion carried unanimously on a voice vote.

4. Discussion and Possible Action - Master Plan - Jones Edmunds Update
Jaime Bell provided an update on the Master Plan and covered the project timeline. She reported they have twelve (12) months to complete the plan.
5. Discussion and Possible Action - Sanitary Sewer for North Florida Mega Industrial Park
Jaime Bell provided an update on the Sanitary Sewer project. The final plans will be sent to the County by the end of August.
6. Discussion and Possible Action - Potable Water Route for North Florida Mega Industrial Park
Jaime Bell provided an update on the Potable Water Route. She reported a cost analysis is complete and now a decision is needed as to how to proceed, The Committee discussed easements and surveys.
7. Discussion and Possible Action: SR47/75 Sewer Project Cost Increase and Update
Already discussed.
8. Discussion and Possible Action - Joint Funding for Utility Expansion Projects - Bell Street Corridor and other projects
Jaime Bell provided an update on the Utility Expansion Projects and reported there are six identified projects. She reported the cost will increase. Ms. Bell will come back to the Committee with a presentation on each project for prioritization.
9. Discussion and Possible Action - Alternative Water Supply Study Update
Ms. Bell reported she has been negotiating with the Water Management District on population and demand projections, for water use permit allocations. She stated she will be submitting permits on Monday.

NEW BUSINESS

10. Discussion and Possible Action - Septage at St. Margaret's Wastewater Treatment Facility
Cody Pridgeon provided an update on the septage at St. Margaret's Facility and stated he would have better numbers at the next meeting. Mr. Sampson asked him to look into leche too, and add to the next agenda.
11. Discussion and Possible Action - Consideration of a Set Meeting Date for Future Meetings
The Committee agreed to meet the 3rd Wednesday of every month at 3:00 PM. The next meeting will be July 21, 2021 at 3:00 PM.

ADJOURNMENT

There being no further business, the meeting on a motion duly made and seconded.

Audrey E. Sikes, Committee Secretary

File Attachments for Item:

2. Discussion and Possible Action - Status of Ongoing Projects

**City of Lake City
Utility Advisory Board
Update for Utility Projects
July 2021**

Hwy 47/I-75 Sanitary Sewer Improvements: The project initially went out to bid on March 2nd but no bids were received. After discussing with local contractors, it was determined that material shortages and the 9-month project schedule were significant challenges. The bid was re-advertised on April 28th with an extended project schedule that is not set to start until materials are received by the contractor. Three bids were received on May 28th – Legacy Water Group, LLC; Metro Equipment Service, Inc.; and T B Landmark Construction, Inc. Legacy Water Group was the lowest priced responsive bidder; however, the project cost estimate is \$1,224,840 higher than the remaining grant funding. The City voted to approve the full Legacy bid at the 7/12 Council meeting and contracting is underway. A grant application was submitted to the FDEP Water Protection Grant fund on 7/13 requesting \$1,408,566, which includes a 15% contingency to account for rising construction costs and market volatility. Additionally, a grant application was also submitted for the RV Park Extension project, requesting \$475,000 for the design and construction of 6 grinder pumps and associated piping to decommission the 18 existing septic systems and connect the Casey Jones Park to the new SR 47 system.

North Florida Mega Industrial Park (NFMIP): The City has existing 130,000 gpd of sewer capacity. The City can supply 30,000 cfh or more of natural gas depending upon the user. The City completed a Water Main Routing Study to determine the feasibility of supplying potable water to the NFMIP, which included selection and cost estimation of a preferred route. Jones Edmunds is developing a scope and fee to design the recommended water main.

Bell Road Project: Due to the current market volatility, Jones Edmunds is developing and updated cost estimate for the proposed capital improvement projects.

St. Margaret’s Wastewater Treatment Facility: US Submergent has removed nearly 600 tons of grit from the Aeration Basins. They should be finished with the online cleaning by the end of this week and will return for further cleaning once the tanks have been drained. Installation of new aerator, clarifier, and grit system equipment is scheduled to begin in late August.

Public Access Reuse (PAR): City staff is discussing how to determine the best route to get reuse water to possible users. Looking into alternative routes.

Public Access Reuse (PAR) System: The City has been awarded a \$1,000,000 grant for necessary upgrades to the PAR system. Jones Edmonds has been selected as the engineer and is updating the previous design drawings, pending NTP from the City. Entex should be rehabilitating the Disk Filter early next month.

Consumptive Use Permit / Alternative Water Supply Assessment: SRWMD had questions about population numbers for present and future. The information was assembled and passed on to Jones Edmunds and they are updating the data. Jones Edmunds has submitted a final report to SRWMD detailing the water budget and population/demand projects; we are awaiting SRWMD approval before running the model scenarios and identifying offset options.

Water Emergency Response Plan (ERP): Final draft is being prepared at this time.

Columbia High School Water Main Relocation: Waiting on materials as of 6/16/2021.

Orthopedic Lift Station: 12 Inch watermain completed. 900 feet of 8 inch sewer force main pipe installed.

Water Main Routing Study: This project is complete.

Gas Main to North Florida Mega Industrial Park (NFMIP): A Proposed running line and an estimated cost was discussed. Glenn Hunter advised funding may be provided by a Company looking to locate in the (NFMIP), at this time no other funding opportunities have been presented.

File Attachments for Item:

5. Discussion and Possible Action - Potable Water Route for North Florida Mega Industrial Park
(Presentation - Jamie Bell, Jones Edmunds)



City of Lake City Water Main Route Study

July 21, 2021

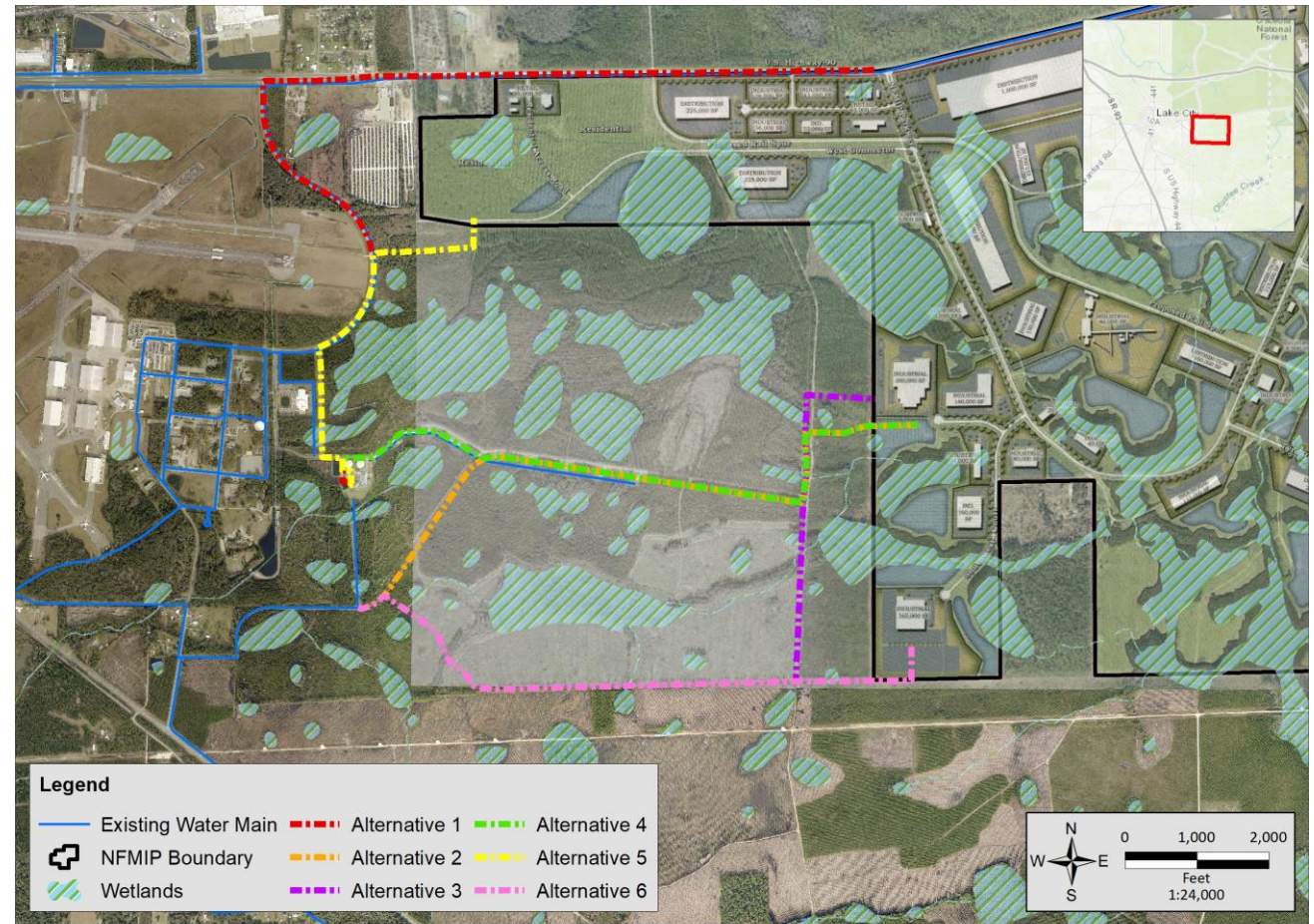
Utility Advisory Committee Meeting

JonesEdmunds 

- Provide water (4 MGD average) to North Florida Mega Industrial Park (NFMIP) from Lake City's Price Creek Water Treatment Plant (PCWTP).
- Evaluate route alternatives for water piping (approximately 24-inch diameter).
- Prepare a hydraulic model to analyze two selected alternatives.
- Develop cost estimate(s) for recommended route(s).



- Land Boundaries (based on Columbia County Property Appraiser) and Easement Requirements
- Wetland Locations (per US Fish and Wildlife Services – National Wetlands Inventory)
- Existing Infrastructure
- Current Access
- Proposed NFMIP Site Layout
- Topography
- Soil Type
- Construction Constraints
- Pipe Length
- Proximity to the North side of NFMIP



Highlights:

- Connects directly to HSPS.
- Challenges at the PCWTP site due to narrow spaces between structures.
- Busy infrastructure in US-90 and SE Timberwolf Ave. – possible conflicts.
- Typical Soil: Fine Sand.
- May require HDD due to potential wetland crossing(s).
- Piping Length: 15,500 feet approx. (up to Tyre Rd.)
- Piping exclusively in ROW.



Highlights:

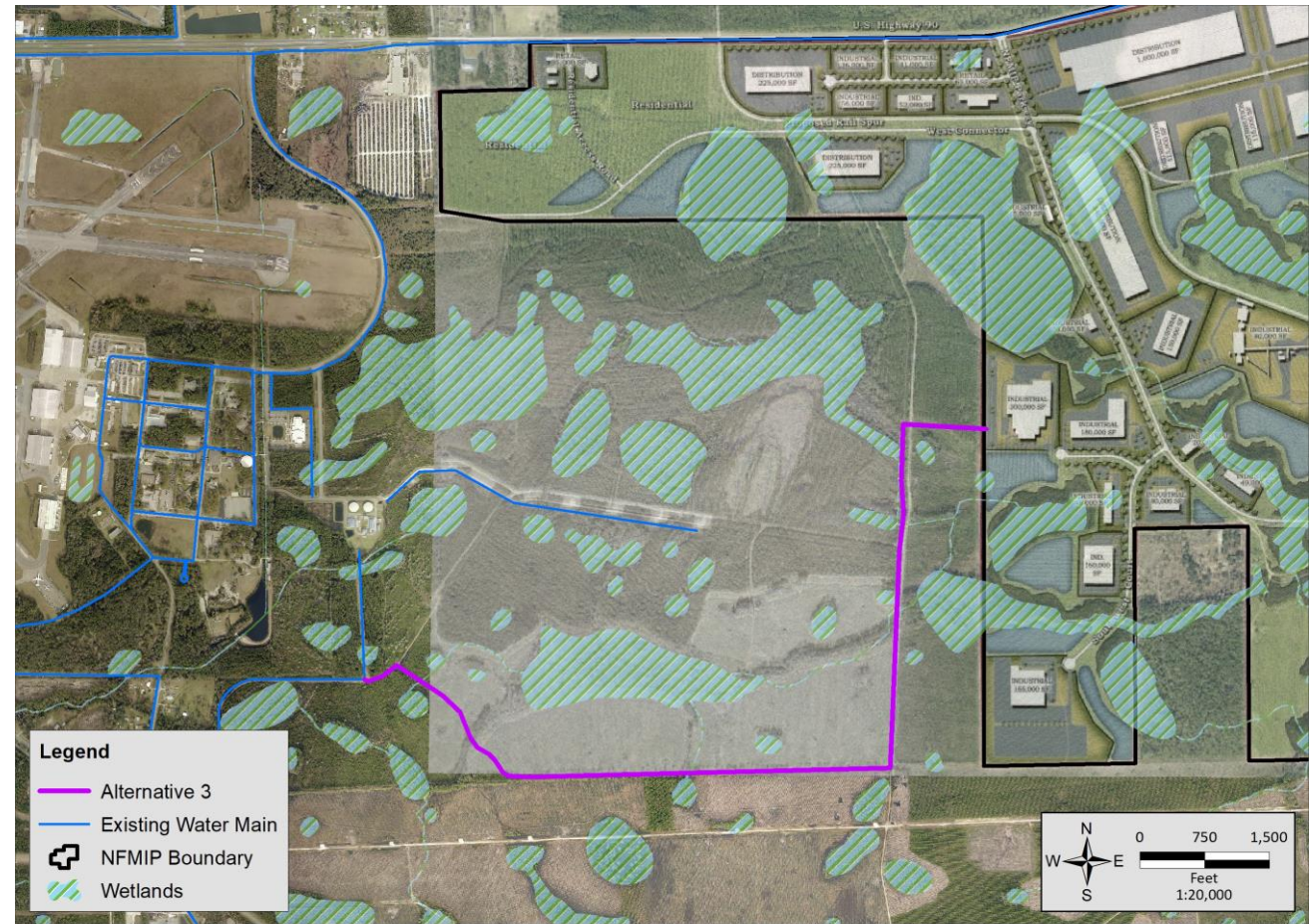
- Connects to existing 30-inch pipe south of PCWTP.
- Runs through dirt roads and parallel to the well sites.
- Connects to NFMIP through proposed parking lot.
- Typical Soil: Fine Sand.
- Option for open-cut installation (since wetlands are being avoided).
- Piping Length: 9,900 feet approx.



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Highlights:

- Connects to existing 30-inch pipe south of PCWTP.
- Runs through dirt roads south of SRWMD property and goes north through Rd. 363.
- Connects to NFMIP through proposed parking lot.
- Passes near wetlands/over drainage feature.
- Most variable topography (up to 14 ft).
- Typical Soil: Fine Sand.
- Option for open-cut (since wetlands are being avoided), except for minor ditch crossings.
- Piping Length: 11,700 feet approx.



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Highlights:

- Represents challenges at the PCWTP's site due to narrow spaces between structures.
- Runs through dirt roads and parallel to the well battery.
- Connects to NFMIP through proposed parking lot.
- Typical Soil: Fine Sand.
- Option for open-cut (since wetlands are being avoided).
- Piping Length: 9,800 feet approx.



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Highlights:

- Connects directly to HSPS.
- Challenges at the PCWTP site due to narrow spaces between structures.
- Busy infrastructure along SE Timberwolf Ave. – possible conflicts.
- Connects with NFMIP through the proposed residential area.
 - 5A to NFMIP boundary.
 - 5B loops with water main at US90.
- Typical Soil: Fine Sand.
- Option for open-cut (since wetlands are mostly avoided); one possible HDD.
- Piping Length:
 - 5A: 5,800 feet approx. (it is the shortest of the alternatives).
 - 5B: 13,300 LF (includes 5A).



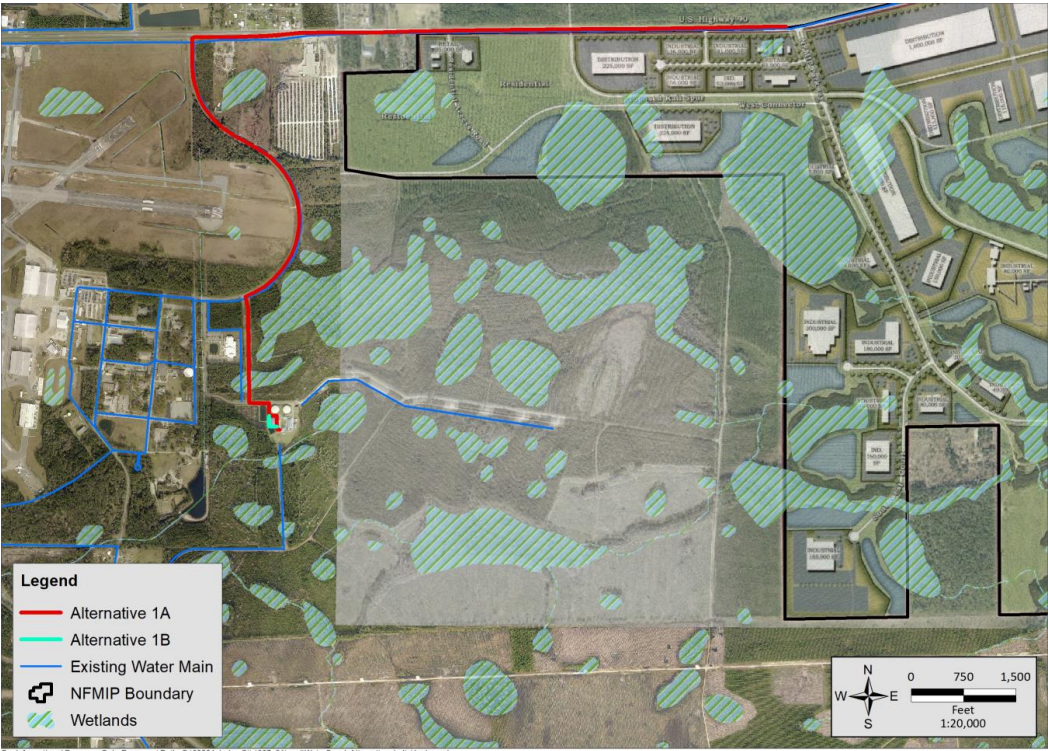
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Highlights:

- Connects to existing 30-inch pipe south of PCWTP.
- Runs through dirt roads south of Suwannee River WMD property and goes north through proposed parking lot.
- May require HDD due to potential wetland crossing(s).
- Has second most varied topography (up to 6 feet).
- Typical Soil: Fine Sand
- Option for open-cut (except for minor ditch crossings).
- Piping Length: 8,800 feet approx. (second shortest alternative)



Alternative 1



Alternative 5A/5B



Alternative	Cost	-30% Cost	+50% Cost
1	\$6,323,000	\$4,426,100	\$9,484,500
5A	\$2,495,000	\$1,746,500	\$3,742,500
5A + 5B	\$5,498,000	\$3,848,600	\$8,247,000



JonesEdmunds 