



## CITY OF COOPER CITY

# OVERVIEW OF COOPER CITY'S WATER AND WASTEWATER SYSTEMS WORKSHOP

Tuesday, March 04, 2025 at 5:00 PM

City Hall Auditorium | 9090 SW 50th Place

## MINUTES

### **PLEDGE OF ALLEGIANCE**

Commissioner Shrouder opened the meeting at 5:00 PM and led the assembly in the Pledge of Allegiance.

### **ROLL CALL**

Present were Commissioners Smith, Mallozzi, Katzman and Shrouder. Mayor Curran arrived late.

### **PUBLIC COMMENTS (3 MINUTES)**

None.

### **TOPICS FOR DISCUSSION**

#### 1. Overview of Cooper City's Water and Wastewater Systems

City Manager Rey stated tonight Utilities staff will explain the process by which the water moves through the ground and how we process it. The next step will be a presentation by Hazen speaking on the most critical components of the system that need replaced over the next 20 years. Staff then will need to develop an expenditure plan for the next 25 years.

Utilities Director Akin Ozaydin advised the water journey begins with the Biscayne Aquifer. These raw water pumps located 30 to 60 feet underground extract water from the aquifer. The water then enters into the filtration plant for purification. The nano filtration plant removes the impurities and then the water is sent to high service pumps to transport the clean water into the distribution system. There are six Biscayne Wells that offer our water supply. Four of the wells are 28 years old and two are 23 years old. Our treatment plant was built in 1998 and contains new membranes. We have three storage tanks containing 3.5 million gallons of water. We also have about 145 miles of distributing pipes. The City provides water to the City, a small portion of the Town of Davie and some homes in the Town of Southwest Ranches. The Biscayne Aquifer has a maximum limit of 4.5 million gallons per day. The City treats the water through membrane treatment that meets all federal and state requirements. From the Biscayne Aquifer the water goes through a sulfuric acid process and then to a static mixer and antiscalant to cartridges. Our daily average is 3.02 million gallons of water per day. Our water treatment plant and wastewater treatment plant receive power from FPL. We also have a standby generator on site.

Mike Stanton, Utilities Superintendent for Field Operations gave an overview of the water and sewer collection system. Water loss should be below 10% but currently the City is higher due to faulty meters. The distribution system is a network of pipes from four inches to 16 inches. The wastewater system collects the wastewater to convey the waste to the main lines to the lift station. We have around 91 miles of gravity collection main.

Manny Cuevas, Chief Wastewater Operator, spoke on the existing wastewater treatment system. The raw sewage is sent to the surge tank then to the treatment plant and the effluent storage ponds that go to the deep injection well and the transfer pumps to the City of Hollywood. City Manager Rey said the City of Hollywood is seeking to amend our agreement so they can receive more water. The wastewater treatment system is where the sewage is converted to biomass A.K.A sludge.

Commissioner Shrouder asked the economics between the deep well injections for the waste as opposed to sending the reclaimed water to the City of Hollywood. City Manager Rey said state law requires a reclaimed component. We are paying the City of Miramar for their credits. Commissioner Shrouder asked why we are paying Miramar and then giving ours to Hollywood. City Manager Rey said they need to restructure the agreement as they do not make much sense.

Commissioner Mallozzi said historically we were given a mandate to decrease our numbers in a short period of time and we worked out a deal with Hollywood. She offered the use of gray water as a solution but it was not received well.

City Manager Rey said retro fitting the system for reclaimed water would be very costly.

Commissioner Smith asked for the cost analysis on converting from Class B water to Class A. City Manager Rey answered we need to fix what we have first. There are a lot of components in the plant that are beyond their useful life.

Mayor Curran said if they renegotiate the agreements with the City of Hollywood and City of Miramar it will be more cost effective.

Commissioner Smith said he wants to standardize our system and not use other municipalities.

Commissioner Shrouder asked the economics in the difference in the options in satisfying the requirement for reclaiming water.

City Manager Rey said the meeting on March 13<sup>th</sup> will provide the needs for maintaining the water and wastewater systems.

Commissioner Mallozzi said our water permit expires in 2030 and she does not want to wait until the last minute. She also asked how they can reduce the water from the rain entering the system and if there is an alternative to using the Biscayne Aquifer. Ryan Webster Chief Plant Operator answered no. Commissioner Mallozzi asked if the sludge can be used for profits. Mr. Cuevas said the facility would need to be changed to a Class A facility. Commissioner Mallozzi asked if we can use multiple generators as opposed to one generator that is very old. Mr. Cuevas said it would be difficult to use multiple generators. City Manager Rey said in the next presentation we will hear that the number one concern in terms of reliability is the electrical system which will need about \$20 million dollars for upgrading. Commissioner Mallozzi said we can use the funds in the investment accounts. City Manager Rey said the money we have can bring us through the design phase. The revenue will increase with the new meters and correct readings. In FY 27 we may need to look to borrow money. The rates will then need adjusted to support the debt service. Commissioner Mallozzi said when they had the plan years ago they bonded out to update equipment and asked if those projects were completed. City Manager Rey said there are projects from the past that have not been completed.

Commissioner Smith said if the Utilities Department is under staffed bring forth the positions needed as he is interested in addressing the needs. City Manager Rey said they have the consultants needed to

help develop the process and there is no other immediate need. Commissioner Smith said he did a walkthrough at the plant and our City employees do a wonderful job. He would like to hear exactly what is needed so he can act to achieve those goals and needs.

Commissioner Katzman asked if the financial needs will be presented at the next workshop. City Manager Rey said the next workshop will provide the items we need to update and the costs. He alongside the CFO will need to work with a Financial Advisor to help the City with the process of rating the City to borrow money. Commissioner Katzman said he is not well versed in the needs of the plant so he is depending on staff to present the needs, timing and cost. City Manager Rey said the consultants will show the Commission what the needs are. Commissioner Katzman said he is looking for staff to direct them. City Manager Rey appreciates the trust the Commission is giving him but the public will need to understand the need for the money.

Mayor Curran said the City will need to hire someone to educate the residents on the bond. City Attorney Horowitz said there is state law that limits a municipality's ability to educate the public. City Manager Rey said they are not envisioning general obligation bonds.

Mayor Curran would like the residents to be informed.

Commissioner Shrouder advised there are two components. We having the drinking water and we have our wastewater. The wastewater is a more critical in condition as opposed to the drinking water. We are adding a headworks system to help elevate problems. Commissioner Shrouder would like to remove private lift stations. City Manager Rey said the City has 83 lift stations and they are overhauling three of them currently at close to \$750,000. Commissioner Shrouder asked if they are going to look at growth out west.

Commissioner Smith asked if we can increase permits providing more services to outside cities. City Manager Rey said the Town of SW Ranches is developing a plan to split service amongst neighboring municipalities.

Commissioner Shrouder said they need to look at the costs as users and look into the fee schedule.

Commissioner Mallozzi asked if we can charge an additional fee to outside users for upgrades. City Attorney Horowitz said we can charge an additional 25% to customers outside of our boundaries. There is also the ability to recover funds for upgrades.

Commissioner Mallozzi said the City of Tamarac charges a fee to transfer water service and a \$90 dollar fee to open an account.

Commissioner Katzman asked if the 25% additional fee for outside users is eliminated can the City stop serving the areas. City Attorney Horowitz said we are not required to serve anyone outside of our City that is not inside of our service area. We have a defined service area in the Town of Southwest Ranches. The Commission adopted the area by ordinance in 2019. We do not have a defined area in the Town of Davie.

Ryan Webster said the power and electric components for the plant do need upgraded.

City Manager Rey thanked staff for the presentation.

#### **ADDITIONAL PUBLIC COMMENTS (3 MINUTES)**

None.

### **ADJOURNMENT**

The meeting adjourned at 6:00 PM.

The minutes of the City Commission Workshop of March 4, 2025 were approved during the regular Commission meeting of April 8, 2025.

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Mayor James Curran

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Tedra Allen, City Clerk

### **ADA NOTICE**

This meeting is open to the public. In accordance with the Americans with Disabilities Act of 1990, all persons who are disabled and who need special accommodations to participate in this meeting because of that disability should contact the Office of the City Clerk, 954-434-4300 ext. 220, not later than two days prior to such proceeding. One or more members of the City of Cooper City Advisory Boards may be in attendance and may participate at the meeting. Anyone wishing to appeal any decision made by the Cooper City Commission with respect to any matter considered at such meeting or hearing will need a record of the proceedings and, for such purpose, 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. Agenda items may be viewed online at [www.coopercity.gov](http://www.coopercity.gov) or at the Office of the City Clerk, City of Cooper City, 9090 SW 50 Place, Cooper City, Florida, 33328, 954-434-4300.

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### **DECORUM**

Members of the Commission, staff members, citizens, and others are required to use civil and appropriate language when addressing the Commission or anyone present at the meeting and must refrain from using profanity, cursing, or exhibiting aggressive or threatening behavior. All comments should generally be directed to the presiding officer and not to individual members of the Commission, staff, or the audience. No personal verbal attacks toward any individual by either the Commission, staff, citizens, or others shall be allowed during any meeting of the Commission.

Any persons making impertinent or slanderous remarks or personal attacks or who becomes boisterous while addressing the Commission or who otherwise violates the decorum rules set forth herein shall be barred from further audience before the Commission by the Mayor, or by request of any member of the Commission unless

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permission to continue or again address the Commission be granted by a majority vote of the Commission members present.

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WEBVTT

1

00:00:01.060 --> 00:00:05.450

Cooper City Hall: On register for events and programs. Once you have arrived to the on

2

00:00:09.050 --> 00:00:11.780

Cooper City Hall: order, if you guys would stand for the pledge of allegiance.

3

00:00:14.500 --> 00:00:24.550

Cooper City Hall: pledge allegiance to the flag of the United States of America and to the Republic for which it stands. One nation, under God, indivisible with liberty and justice program.

4

00:00:25.270 --> 00:00:28.310

Cooper City Hall: Okay. Good evening. Roll call, please.

5

00:00:29.110 --> 00:00:30.379

Cooper City Hall: Commissioner Smith.

6

00:00:30.480 --> 00:00:36.180

Cooper City Hall: Here, Commissioner Malozi. Here Commissioner Katzman, here Commissioner Schroeder, here, Mayor Curran.

7

00:00:36.840 --> 00:00:37.620

Cooper City Hall: It's rude.

8

00:00:38.060 --> 00:00:41.760

Cooper City Hall: Okay. Public comment. Any members of the public wishing to speak.

9

00:00:42.550 --> 00:00:47.400

Cooper City Hall: Okay, none. So we're going to go ahead and turn it us over to our utilities. Director.

10

00:00:47.990 --> 00:00:49.560

Cooper City Hall: Oh, go ahead.

11

00:00:50.460 --> 00:00:53.020

Cooper City Hall: Yeah. Also known as the city manager. No.

12

00:00:53.210 --> 00:01:04.729

Cooper City Hall: no, these are actually a real utilities director these days. I just wanted to kind of frame the the approach that we're taking towards the water voice, water master Plan.

13

00:01:05.710 --> 00:01:25.880

Cooper City Hall: So what you're going to hear today is, and is this going to be presented by your employees? It is the recap of water that we have, and all of the different steps that the water goes through from the moment we bring it from the ground to the moment that we process the water and send

14

00:01:26.250 --> 00:01:31.300

Cooper City Hall: back to the ground, or some somebody affluent to to city of Hollywood.

15

00:01:31.600 --> 00:01:36.610

Cooper City Hall: The next step, which is gonna what's gonna happen next week is

16

00:01:37.330 --> 00:01:58.199

Cooper City Hall: a consultant who is just hasten is going to come and talk to you about the most critical components of the system that need to be replaced over the next 20 years. And they're going to be giving you that based on the level of age, criticality, and expense that needs to be planned. And when that needs to happen.

17

00:01:58.900 --> 00:02:06.859

Cooper City Hall: based on those decisions that the Commission, you know them that are going to be happening over the budget process.

18

00:02:07.320 --> 00:02:11.810

Cooper City Hall: The 3rd step of that is, and

19

00:02:12.050 --> 00:02:17.050

Cooper City Hall: the Cfo and I will need to work on developing a cash flow

20



00:02:17.110 --> 00:02:20.410

Cooper City Hall: and expenditure plan for the next 25 years.

21

00:02:20.430 --> 00:02:43.490

Cooper City Hall: We're, you know, we're talking about somewhere in the neighborhood of 120 million dollars in expenditures. We got about 20 million dollars in reserves, and we are going to need to borrow money at different points in time. And we're going to be, you know, with that schedule we're going to be telling you as to more or less when those tranches are going to have to happen in order to stay on schedule.

22

00:02:43.500 --> 00:02:54.019

Cooper City Hall: So that's kind of the 3 phases of of this. And Ryan Webster was going to start the the process. But he had a family emergency. He was online.

23

00:02:54.280 --> 00:03:18.720

Cooper City Hall: Okay, he's Ryan. He's online, right? Yeah. But the you know, yeah, I think Akeen, you're gonna do his part right. And then Michael is gonna do his part. And then money is going to do his part. I think all of you guys know them, and they do a great job for you guys in maintaining the the plant and providing the utility services. So with that overall view

24

00:03:18.900 --> 00:03:37.219

Cooper City Hall: akin, go ahead and take it. Good evening, Commissioners and city manager. My name is Akino Zayden. I'm the utilities director and city engineer. And Ryan is online. We are going to present you a water treatment plan, water plant water distribution and

25

00:03:37.440 --> 00:03:39.660

Cooper City Hall: and sewer collection systems.

26

00:03:44.090 --> 00:03:55.049

Cooper City Hall: As you can see, the journey begins with the Biscayne Aquifer, the raw water well pumps located 30 to 60 feet underground, extract water from the aquifer.

27

00:03:55.280 --> 00:04:03.679

Cooper City Hall: and then then water at this stage contains natural minerals and dissolved, dissolved solids.

28

00:04:04.910 --> 00:04:08.390

Cooper City Hall: and then raw water enters into filtration Plant.

29

00:04:08.860 --> 00:04:15.559

Cooper City Hall: And it's a crucial step, and that's for purification. So you can see the second one water treatment plant

30

00:04:15.700 --> 00:04:18.350

Cooper City Hall: and we have a Nano filtration plant.

31

00:04:18.779 --> 00:04:25.329

Cooper City Hall: which is very different than lime sludge plant. That's a better technology and better water quality plant.

32

00:04:25.640 --> 00:04:36.559

Cooper City Hall: And then this process, that and neurofiltration removes the impurities and hardness and some organic compounds and improve the water quality.

33

00:04:37.260 --> 00:04:43.760

Cooper City Hall: and after that treatment, then we will have high service pumps

34

00:04:43.990 --> 00:04:50.789

Cooper City Hall: and transport the clean water into the distribution system, and pressure is maintained.

35

00:04:51.120 --> 00:05:00.080

Cooper City Hall: and a steady and reliable flow to the homes and businesses. The water that we provide. We can drink, we can use it for irrigation.

36

00:05:00.330 --> 00:05:03.809

Cooper City Hall: We can use for cooking cleaning. It is safe to use.

37

00:05:06.130 --> 00:05:12.719

Cooper City Hall: The 1st one that I would like to mention to you is the water supply. We have 6 Biscayne wells.

38

00:05:13.050 --> 00:05:17.643

Cooper City Hall: 2 of the valves are located at the water plant and

39

00:05:19.130 --> 00:05:24.510

Cooper City Hall: and 2 of them are located in 90 96th Avenue.

40

00:05:24.650 --> 00:05:31.010

Cooper City Hall: and the other one is located 118.

41

00:05:31.130 --> 00:05:39.479

Cooper City Hall: So we have 6 wells, and they are 28 years old and 23 years old. So we are going to rehabilitate these wells in future.

42

00:05:41.640 --> 00:05:51.249

Cooper City Hall: and the water treatment plant site, water plant site. So we have this plant built in 1998. But we change on all the membranes.

43

00:05:51.690 --> 00:05:54.189

Cooper City Hall: So we have the brand new membranes.

44

00:05:54.300 --> 00:05:59.390

Cooper City Hall: And this, this is a great one, that we completed this project about a week ago.

45

00:06:00.020 --> 00:06:11.380

Cooper City Hall: and also we have a storage tanks. We have 3 storage tanks. That's for emergencies, in case if we need additional water, the total is 3.5 million gallons.

46

00:06:12.410 --> 00:06:23.360

Cooper City Hall: and one of them is located in Pine Island, 1.8 million gallons, and the other 2 are located in our water plant overall is about 1.5 million gallons

47

00:06:24.310 --> 00:06:31.739

Cooper City Hall: and distribution that Mike is going to talk about it. But we have about 145 miles of water distributing pipes.

48

00:06:33.970 --> 00:06:41.409

Cooper City Hall: as you can see. Not only we provide water to all our residents, and also businesses.

49

00:06:41.790 --> 00:06:48.649

Cooper City Hall: Small portion of the city of Davie and Thai Town, of southwest ranches that we provide water and sewer as well.

50

00:06:49.140 --> 00:06:56.900

Cooper City Hall: It says about 162 persons. Basically, it is 81 households that we provide total.

51

00:07:01.510 --> 00:07:07.829

Cooper City Hall: this is the one that talks about the Biscayne Aquifer, as I mentioned, 30 to 60 feet deep.

52

00:07:08.550 --> 00:07:23.670

Cooper City Hall: and pumping capacity is 12.5 million gallons per day, but we have a regulation. It is maximum of 4.5 million gallons per day. We cannot pump more than that, that's the one of the regulations that we have.

53

00:07:24.520 --> 00:07:26.959

Cooper City Hall: I'm gonna go to the next room.

54

00:07:28.100 --> 00:07:37.250

Cooper City Hall: And then it means that 1,665 million gallons per year. And it means that 171.5 million gallons

55

00:07:37.490 --> 00:07:38.380

Cooper City Hall: monthly.

56

00:07:41.720 --> 00:08:11.340

Cooper City Hall: This is an important slide, as I mentioned before, the water coming from Biscayne aquifer and going all the way to the stage, and then, as you can see, stage one and stage 2, the stage one. If the water is in great condition and great purity, and it goes to our drinking water process. Sometimes the water is not in great condition, 0 point 5 million gallons per day. It goes to our deep injection well, like a wastewater.

57

00:08:11.810 --> 00:08:16.190

Cooper City Hall: So it eliminates these waters that we cannot use.

58

00:08:16.650 --> 00:08:25.799

Cooper City Hall: So at 3.0 2 million gallons, we receive 0 point 5 million gallons. Go to our injection, wells like a wastewater.

59

00:08:26.160 --> 00:08:29.269

Cooper City Hall: I can. Could you explain to them

60

00:08:29.460 --> 00:08:33.259

Cooper City Hall: the purpose of all of the things that you add to the water

61

00:08:33.370 --> 00:08:36.230

Cooper City Hall: the sulfuric acid, the static mixer?

62

00:08:36.440 --> 00:08:37.299

Cooper City Hall: No.

63

00:08:38.750 --> 00:08:52.959

Cooper City Hall: yes. So from the Biscayne aquifer it goes to sulfuric acid process and then go to static mixer and antiscalant, and then cartridges that it it basically look at all these processes

64

00:08:53.280 --> 00:09:05.419

Cooper City Hall: and going to the stage one, and then stage one determines that if the water quality is great for drinking, if not going to the stage, 2, clean it again, and then going to the wastewater.

65

00:09:05.550 --> 00:09:12.279

Cooper City Hall: and then process continues all the way to a ground storage, as you can see, we keep it 3.5 million gallons.

66

00:09:13.150 --> 00:09:15.150

Cooper City Hall: and then going to the pumping

67

00:09:15.490 --> 00:09:18.730

Cooper City Hall: stage 3.0 2 million gallons.

68

00:09:22.830 --> 00:09:36.100

Cooper City Hall: This is the one that I mentioned. Daily average is 3.0 2 million gallons per day, maximum, 4.5 million gallons per day. We cannot exceed that amount because our permits do not allow it.

69

00:09:36.900 --> 00:09:39.649

Cooper City Hall: and we have a sufficient finished folder.

70

00:09:42.600 --> 00:09:53.029

Cooper City Hall: It shows about the high service, pumping capacity of 10.6 million gallons per day. But we don't reach out to that point because of our permits that requirements to 4.5.

71

00:09:55.760 --> 00:10:10.979



Cooper City Hall: This is the one that it shows where our water treatment plant and wastewater treatment plant is located. As you can see, one of the things that I wanted to mention is that the facility receives power from Florida power.

72

00:10:11.250 --> 00:10:13.530

Cooper City Hall: And it's 23,000 volts.

73

00:10:13.960 --> 00:10:21.939

Cooper City Hall: What happened is that if we have a problem with with power. We have a generator on site, 2,000 kilowatt

74

00:10:22.280 --> 00:10:29.439

Cooper City Hall: 2,000 kilowatt standby generator. So it it basically helps us in case if we have a power outages.

75

00:10:29.690 --> 00:10:44.410

Cooper City Hall: So remember, I mentioned that we have a storage tank for 3.5 million gallons, that in case of an emergency, we have an emergency generator. But in case if everything fails, what we do, we have interconnects for other cities.

76

00:10:44.840 --> 00:10:50.220

Cooper City Hall: cities for cities, for Davie Pembroke pines as well as sunrise.

77

00:10:50.400 --> 00:10:54.589

Cooper City Hall: And then these are some of our interconnects that Mike is going to mention.

78

00:10:55.250 --> 00:10:56.040

Cooper City Hall: So

79

00:11:05.790 --> 00:11:21.230

Cooper City Hall: good afternoon, Commissioner. Mayor, City Manager, Mike Stanton, Utilities Superintendent for field operations. You guys probably see me at some job sites that were not stellar, but we do what we do. So I'm going to give you a little overview of our water and sewer collection system.

80

00:11:22.330 --> 00:11:27.429

Cooper City Hall: as you were told. It comes from the the aquifer goes to the water plant, then gets pumped out to me.

81

00:11:27.590 --> 00:11:31.700

Cooper City Hall: and on the slide over to the right you'll see there's approximately some water loss

82

00:11:32.110 --> 00:11:39.140

Cooper City Hall: it's supposed to be. You should be under 10%. We're a little bit high right now, because of the meters, the failing meter system that we are working on fixing right now.

83

00:11:39.680 --> 00:11:44.520

Cooper City Hall: but after, when it gets pumped down to the distribution system. It's a network of pipes.

84

00:11:44.620 --> 00:11:50.779

Cooper City Hall: as we said, from 4 inch up to 16 inch. All the blue lines on that map indicate our water mains.

85

00:11:51.250 --> 00:11:58.469

Cooper City Hall: as we're told that. You see the interconnects of the town of Davie. There's 2 of them. They're timber pines, too, and there's the one with sunrise.

86

00:11:59.500 --> 00:12:06.220

Cooper City Hall: When it goes into distribution system, it goes through a network of valves, fire hydrants, service lines.

87

00:12:06.500 --> 00:12:10.959

Cooper City Hall: Once it hits the service line, it goes through the water meter, which is the cash register of utility.

88

00:12:11.460 --> 00:12:13.850

Cooper City Hall: Once it leaves, there it goes into the private side.

89

00:12:14.020 --> 00:12:17.169

Cooper City Hall: houses, schools, buildings, businesses, etc.

90

00:12:19.820 --> 00:12:25.729

Cooper City Hall: Now, once it goes to the house, it has to come out of the house as wastewater. However, you guys would use it

91

00:12:26.050 --> 00:12:27.990

Cooper City Hall: once it hits the wastewater system.

92

00:12:28.220 --> 00:12:30.649

Cooper City Hall: it goes through a collection system.

93

00:12:30.830 --> 00:12:33.680

Cooper City Hall: No one has a collection system because we're collecting the wastewater.

94

00:12:34.030 --> 00:12:39.469

Cooper City Hall: It's usually typically a gravity type system where it uses gravity to convey the waste

95

00:12:39.720 --> 00:12:43.590

Cooper City Hall: through manholes till it gets to the lowest point, which is a lift station.

96

00:12:44.200 --> 00:12:52.240

Cooper City Hall: The gravity means some of the older parts of the city are in need of repair, as you might have seen around your city, especially right here in City Hall. They're doing lining.

97

00:12:52.440 --> 00:12:57.870

Cooper City Hall: which is, they're putting a pipe through an old pipe, and they're stopping that I and I which is inflow into filtration.

98

00:12:58.180 --> 00:12:59.890

Cooper City Hall: inflow, and infiltration.

99

00:12:59.990 --> 00:13:05.594

Cooper City Hall: I and I inflow, is anything that comes above from a manhole, or, say, an illegal hookup from a

100

00:13:06.010 --> 00:13:07.619

Cooper City Hall: or roof drain.

101

00:13:07.860 --> 00:13:12.529

Cooper City Hall: Infiltration comes from underground, which is getting pushed into the pipes

102

00:13:12.930 --> 00:13:17.420

Cooper City Hall: which we're battling right now out in this system, as you know, when it rains. We're out here a lot.

103

00:13:17.790 --> 00:13:23.429

Cooper City Hall: So we're working on that diligently right now. There's still a lot to be done. I'm working. We're working on. It's getting better.

104

00:13:23.660 --> 00:13:28.820

Cooper City Hall: But once it goes through that like I said, it was going to the lift station. But what is a lift station?

105

00:13:29.130 --> 00:13:40.769

Cooper City Hall: It does what it says, it lifts up the water and it conveys it to the next point, either to a wastewater system plant, or to another gravity collection main to pump it all the way back to the water plant or wastewater plant. Sorry.

106

00:13:41.010 --> 00:13:42.300

Cooper City Hall: as you see, we have

107

00:13:42.610 --> 00:13:49.660

Cooper City Hall: around 91 miles of gravity collection main, consisting of vitrified clay, which is the bad parts of the system. And PVC.

108

00:13:49.830 --> 00:13:52.420

Cooper City Hall: We have around 2,200 manholes

109

00:13:52.610 --> 00:13:55.780

Cooper City Hall: and 83 lift stations that we maintain

110

00:13:56.510 --> 00:14:02.560

Cooper City Hall: when a lift station there is typically 2 pumps, and they're in a wet, well, submersible centrifugal pumps

111

00:14:02.900 --> 00:14:13.459

Cooper City Hall: they operate. When the water level hits a certain point, one of the pumps kicks on, and then when it drains down and it raises the water again. The other pump kicks on so they alternate.

112

00:14:13.650 --> 00:14:16.600

Cooper City Hall: There's a there's a control panel there, and power.

113

00:14:16.950 --> 00:14:22.089

Cooper City Hall: So once it hits that it goes through the force main network back to the wastewater plant.

114

00:14:23.490 --> 00:14:32.300

Cooper City Hall: and as you see here, the purple pipes show you all the gravity main system throughout the city, and where it goes back to the Wwtp wastewater plant treatment plant.

115

00:14:35.790 --> 00:14:39.080

Cooper City Hall: And here's all 83 lift stations where they're located throughout the city.

116

00:14:39.350 --> 00:14:46.870

Cooper City Hall: And there's a picture of a typical one. You see, most of them we have hidden behind fences and camouflage, so residents wouldn't get an eyesore, and they look nice.

117

00:14:48.010 --> 00:14:56.059

Cooper City Hall: We maintain them. We pressure. Wash them, we clean them, we just we keep them up for the appearance of the city. If there's ever a problem you see us out here day and night, like we always are.

118

00:14:58.740 --> 00:15:18.919

Cooper City Hall: and talking about the water meters. We had just entered an agreement with Corn main to replace all around 12,000 of our water meters with these new accurate ipro plus meters which we have accurate billing and accurate water counts. So when we're filling out our State report for the water loss. We could be under that 10% threshold hopefully once again, which we used to be always before we had the failing system

119

00:15:19.460 --> 00:15:23.169

Cooper City Hall: so hopefully around summertime. They said they should be completed with this task.

120

00:15:23.270 --> 00:15:26.560

Cooper City Hall: and they absolutely, but they have around 400 of them installed right now.

121

00:15:26.720 --> 00:15:29.460

Cooper City Hall: and they are actively working, and water building loves them.

122

00:15:31.980 --> 00:15:34.860



Cooper City Hall: And now I'm going to leave you with Manny, the wastewater Chief

123

00:15:38.870 --> 00:15:44.900

Cooper City Hall: Hi, Mayor! Hi, Commissioners, Hi, city Manager Manny, the waste of cuevas to the wastewater chief.

124

00:15:46.930 --> 00:15:55.790

Cooper City Hall: so basically, where? Where? Right after, where his all the lift station stuff comes in comes in. It comes into the search tank. If you see on there

125

00:15:55.900 --> 00:16:02.229

Cooper City Hall: the search tank everything that that's flushed on the toilet wipes whatever you know.

126

00:16:02.390 --> 00:16:09.279

Cooper City Hall: personal hygiene products, everything comes into the search, tank. The search tank buffers, buffers, the the flow

127

00:16:09.580 --> 00:16:10.880

Cooper City Hall: for our treatment plants.

128

00:16:11.020 --> 00:16:12.749

Cooper City Hall: So we don't overload the plants

129

00:16:13.720 --> 00:16:20.920

Cooper City Hall: and we have a bar screen on there. It separates some of the stuff. But if you I don't know if it's not a good picture, but if

130

00:16:21.270 --> 00:16:28.089

Cooper City Hall: the but the material builds up in the search tank. And that's what causes a lot of the odors we we inject the

131

00:16:28.580 --> 00:16:35.490

Cooper City Hall: odorophos which helps neutralize the odor and also use odor control to help neutralize it, and that that material

132

00:16:35.840 --> 00:16:37.990

Cooper City Hall: takes up a lot of a lot of space in the tank

133

00:16:38.400 --> 00:16:43.190

Cooper City Hall: and that that can cause problems for for rain rain events.

134

00:16:44.050 --> 00:16:45.320

Cooper City Hall: When we have brain events.

135

00:16:45.520 --> 00:16:51.190

Cooper City Hall: it, it causes it. We use about 3 to 6 feet of space in our search tank

136

00:16:51.500 --> 00:16:53.030

Cooper City Hall: to keep it from overflowing.

137

00:16:54.450 --> 00:16:59.629

Cooper City Hall: So from there it goes into our wastewater plants, each each wastewater plant. There's 3 of them.

138

00:16:59.770 --> 00:17:04.259

Cooper City Hall: They have a contact chamber, which is where all the Regs. The secondary bar screen, comes in.

139

00:17:04.470 --> 00:17:06.989

Cooper City Hall: It removes more and more of the heavy material.

140

00:17:07.589 --> 00:17:09.549

Cooper City Hall: but then it goes into the contact chamber

141

00:17:09.690 --> 00:17:14.619

Cooper City Hall: which is aerated with bacteria to help treat the wastewater and

142

00:17:15.109 --> 00:17:20.039

Cooper City Hall: a lot of the a lot of, and then it goes from there to the stabilization chamber, the stabilization chamber.

143

00:17:20.920 --> 00:17:25.079

Cooper City Hall: Oh, cellulation tapers, older bacteria, but they also treat.

144

00:17:25.440 --> 00:17:28.830

Cooper City Hall: And then from there it goes into the clarifier, which is the center ring on the plant.

145

00:17:29.490 --> 00:17:32.630

Cooper City Hall: and that center ring is what is the effluent that we send to

146

00:17:32.980 --> 00:17:37.560

Cooper City Hall: the city, Hollywood, and we send down an injection. Well, and I'll

147

00:17:38.580 --> 00:17:46.740

Cooper City Hall: from there they go to the effluent storage bonds. The effluent bond is is one where we sent to Hollywood. We sent about 1.5 to 1.7 depending on.

148

00:17:47.010 --> 00:17:49.820

Cooper City Hall: and what what they'll. They'll inform us of what we need.

149

00:17:49.930 --> 00:17:54.689

Cooper City Hall: The concentrate from the water plant actually goes to the concert pond, and but it's also

150

00:17:54.980 --> 00:17:56.960

Cooper City Hall: our effluent is also mixed into there.

151

00:17:57.440 --> 00:18:03.034

Cooper City Hall: So that goes down into the injection. Well, which goes down 3,900 feet and

152

00:18:03.860 --> 00:18:08.350

Cooper City Hall: you know we have. We have transfer pumps, the transfer pumps go

153

00:18:08.990 --> 00:18:12.560

Cooper City Hall: to the city, Hollywood. The depot injection pots are just for the injection. Well.

154

00:18:13.880 --> 00:18:16.499

Cooper City Hall: and and if you remember the discussion that we had

155

00:18:16.700 --> 00:18:29.759

Cooper City Hall: last week about the testing for the deep injection? Well, that see the well that is going all the all the way down. Yeah, that you got to make sure that on the way down it doesn't leak, because then

156

00:18:29.880 --> 00:18:33.800

Cooper City Hall: you will create problems with the water that you're going to be drinking

157

00:18:35.740 --> 00:18:37.980

Cooper City Hall: The other thing that I want to point out is that

158

00:18:38.090 --> 00:18:45.640

Cooper City Hall: Hollywood is using that water for their reclaimed purposes, and they have reached out back to us that they want more water.

159

00:18:45.860 --> 00:18:49.290

Cooper City Hall: So we're going to be renegotiating the agreement with them.

160

00:18:49.890 --> 00:18:52.240

Cooper City Hall: because right now we're paying them.

161

00:18:52.380 --> 00:19:19.300

Cooper City Hall: and they're getting effluent water from us for free. So I think that the question is to be the other way around. At least we need to get back to 0, if not to the point that that they're paying us for the for the reclaimed water. Because we have good reclaimed water. Right? Yeah. Our effluent water, our effluent water to reclaim water is good quality. That's why they want it, because they can't use their own, because there's a lot of a lot of salt in their system.

162

00:19:19.570 --> 00:19:20.870

Cooper City Hall: Mister Manager.

163

00:19:20.980 --> 00:19:30.740

Cooper City Hall: O, I don't think should be our our basis. Well, at least you know, the the question is to flip right? Yeah, absolutely.

164

00:19:31.200 --> 00:19:35.960

Cooper City Hall: But also we take from the digesters, which think

165

00:19:36.240 --> 00:19:41.089

Cooper City Hall: it's hard. It's hard to tell from on the on the picture. But the digesters were are

166

00:19:41.610 --> 00:19:44.350

Cooper City Hall: waste material from the plants goes in.

167

00:19:44.670 --> 00:19:46.989

Cooper City Hall: and that's where it's it's a liquid, a liquid sludge.

168

00:19:47.130 --> 00:19:51.699

Cooper City Hall: We we send it out to the Centrifuge which dewater, the the waters, the

169

00:19:52.640 --> 00:19:56.750

Cooper City Hall: the sludge. It takes the water out. And then we end up in. It's basically like soil.

170

00:19:58.280 --> 00:20:03.999

Cooper City Hall: Right now. Our centrifuges are being upgraded. We're we're gonna get that. They were. They're in process.

171

00:20:04.520 --> 00:20:08.459

Cooper City Hall: And right now, our our capacity is about 12% solids

172

00:20:08.590 --> 00:20:12.049

Cooper City Hall: with the new system. We'll be have 18 to 20%,

173

00:20:12.340 --> 00:20:20.380

Cooper City Hall: which will will be able to draw the draw the digesters down better and have to haul off less, less sludge eventually.

174

00:20:22.350 --> 00:20:23.630

Cooper City Hall: and then from there.

175

00:20:24.570 --> 00:20:25.509

Cooper City Hall: Oh, that's cool.

176



00:20:26.040 --> 00:20:27.199

Cooper City Hall: Yeah. So

177

00:20:28.280 --> 00:20:34.910

Cooper City Hall: as you see, it goes from lift stations to the to the surge tank, then to the plants, and it goes through our bar screens, which

178

00:20:35.820 --> 00:20:40.660

Cooper City Hall: one thing that that would help a lot is like a head works on the plant.

179

00:20:41.420 --> 00:20:48.980

Cooper City Hall: because right now everything goes into the search engine. There's the the screens they filter out so much, but they don't. They don't catch a lot of stuff.

180

00:20:49.160 --> 00:20:53.110

Cooper City Hall: So a lot of it gets done in the search engine then gets into the plants, and that causes problems also.

181

00:20:53.720 --> 00:20:57.470

Cooper City Hall: But a headwork would eliminate a lot of that, and it would limit help control odors, too.

182

00:20:59.280 --> 00:21:21.950

Cooper City Hall: Yeah, that's that's the one that we we had. We hadn't. We have requested money in the in the grant for that. Yeah, that for that, and for the for the electrical support for the for the entire

plan. Those are the things that we you know we put in there, and we got money this year for the design of the head works, and we got money for the design of the electrical component of the plan right.

183

00:21:22.930 --> 00:21:39.060

Cooper City Hall: and I forgot to mention our biosolids when once they drop from the Centrifuge into, we put them into 40 yard trailers, and they're sent off by. They're hauled off by a contractor, and they're sent to a facility where they reclass as class a biosolids. We have Class B, but they reclassify it as Class A. They treat it again.

184

00:21:40.280 --> 00:21:47.989

Cooper City Hall: And and Manny, the last year you had to clean up the the tanks. The search tank. Yes, last year we had a bunch of debris come in.

185

00:21:48.230 --> 00:21:52.779

Cooper City Hall: and we did have to clean it. And that's why we that's why I told you like we lost like 3 to 6,

186

00:21:52.890 --> 00:22:03.240

Cooper City Hall: and whenever we get a rain event that we lose that much space, and it it can overflow into. We have overflows that go to the plants. But then, if it's even greater than that, we can end up with a problem.

187

00:22:03.510 --> 00:22:06.929

Cooper City Hall: And part of that problem is also what Mike was talking about the I and I.

188

00:22:07.650 --> 00:22:10.720

Cooper City Hall: If it's raining, we, we get more than we're, we're

189

00:22:11.320 --> 00:22:18.329

Cooper City Hall: technically you're allowed to handle. Yeah, you get rainwater consuming your capacity at the plant. Yeah.

190

00:22:21.680 --> 00:22:35.200

Cooper City Hall: So what's the economics between the deep water? Well, not deep, but the deep well injection for the waste, as opposed to sending the reclaimed water to Hollywood.

191

00:22:35.320 --> 00:22:58.740

Cooper City Hall: There, there are 2 components number one. By State law, we're required to get a reclaim component done. Now we're paying sunrise, I believe. Miramar, Miramar. Sorry, Miramar, for their their reclaim water credits. So we basically, we're buying credits through through them. Now

192

00:22:59.290 --> 00:23:02.909

Cooper City Hall: that allow us to comply with with the with the requirement.

193

00:23:03.330 --> 00:23:18.720

Cooper City Hall: and but through our agreement with Hollywood, you know, we might be able to get out of that, and then I've been able to to comply with that. And and it's it's a it's. It's a good thing to put the water back to to use. And that reclaim water

194

00:23:18.810 --> 00:23:42.360

Cooper City Hall: has great benefits for lawn maintenance, and all that, because it has. It's heavy on nutrients. So it does have some positive uses in the system. But why would we be paying Miramar? But then giving ours to Hollywood to satisfy theirs, paying Hollywood to take it? How would that make any sense? Doesn't?

195

00:23:42.480 --> 00:24:11.330

Cooper City Hall: Okay? So yeah, that's 1 of the things that we need to like restructure. We need to restructure the agreement with Hollywood. But go back historically, so historically, we were given a mandate that said, You have X amount of months, if I remember correctly, and you have to cut what you're pumping in, and we had a very short period of time to decrease our numbers, Hollywood said, we'll take it.

196

00:24:11.430 --> 00:24:33.879

Cooper City Hall: Yeah, am I wrong, or am I right, or am I wrong? Jamie? Hollywood said. We'll take it, and we worked out a deal with Hollywood. We also had to pay Miramar the extra credit so we could go over right. But I mean we but we were. We worked out whatever deal we could, so that way we could comply with the state mandate correct, and we and I remember because I wanted us. I said, Well, why can't we

197

00:24:33.880 --> 00:25:02.299

Cooper City Hall: provide? I remember I believe they called it gray water. Yeah, that's right, and I. And I said, Well, why can't we provide gray water to the golf course? Why can't we provide gray water to the residents to to water their grass? And I had gotten pushback because they said, Well, people don't want to water with gray water, because it has a, you know, a stereotype to it, or what have you? They wanted no part of it in the city, and I was like, you probably need the infrastructure.

198

00:25:02.300 --> 00:25:19.849

Cooper City Hall: It is not inexpensive to create a whole system for redistribution of the gray water, because it's a completely new piping system that you had to create. So it is, it's great. And there's some areas where.

199

00:25:20.100 --> 00:25:49.140

Cooper City Hall: for example, Bill Lips park would be easy right there. So there are areas where in the future we can look at, you know, for the for the golf course, running a line up here for for that, for some very heavy uses or some of those locations, I think getting into the individual home distribution or reclaimed water is going to be prohibitively expensive.

200

00:25:49.920 --> 00:26:09.729

Cooper City Hall: we, if you would have done it when you were doing all of your original infrastructure, and some cities did that then cost effective. But to retrofit right now the system would be so. That's what Hollywood already has in place. Correct. They already have something in place. And that kind of stuff like that. Yeah, because they use like a membrane system to retreat the water one more time.

201

00:26:10.030 --> 00:26:30.879

Cooper City Hall: and that's where they reuse it. We would have to do that city manager. I have a question currently and, Manny, if you will, we currently create Class B, and then by sending it away, they reclaim or do their treatment to make it class a correct based upon that? Is there

202

00:26:31.190 --> 00:26:46.499

Cooper City Hall: any future discussions, as far as if we go, or we have the capability of creating infrastructure to go from B to A, and if so, is it cost cost effective? And what does that do for us long term? Right?

203

00:26:49.050 --> 00:26:53.169

Cooper City Hall: The the thing is that we gotta fix what we have 1st

204

00:26:53.410 --> 00:27:07.631

Cooper City Hall: before we jump into new areas. So a lot of the the components in the in the plan are beyond their useful life, and we're going to get into that at the next meeting.

205

00:27:08.650 --> 00:27:20.549

Cooper City Hall: but my my recommendation would be that. Let's make sure that what we have is working and continues to work. I think these are opportunities that we can look at. But they're not really.

206

00:27:20.850 --> 00:27:25.410

Cooper City Hall: you know. We're not really required to do anything more than what we're doing right now. In terms of that.

207

00:27:25.590 --> 00:27:29.220

Cooper City Hall: it'll be. It'll be. It'll be great if we could do it on one day. But yeah.

208

00:27:29.650 --> 00:27:32.510

Cooper City Hall: and I think it's cheap. What we're paying to have it hold right?

209

00:27:33.040 --> 00:27:37.170

Cooper City Hall: Yeah, actually, the I know the price went up recently.

210

00:27:37.830 --> 00:27:41.560

Cooper City Hall: but it's because the fields that they normally use they used to use it for sod farms

211

00:27:41.900 --> 00:27:47.670

Cooper City Hall: and a lot of sod farms that the regulations got stricter. So they stopped

212

00:27:47.830 --> 00:27:52.860

Cooper City Hall: stopped receiving, and then, so that now it's hauling it to a facility that retreats it to a class, a standard.

213

00:27:53.490 --> 00:27:56.459

Cooper City Hall: I have a few questions out there. I just have one.

214

00:27:56.740 --> 00:28:07.109

Cooper City Hall: So if I understand it right, instead of us reinventing the wheel, if we can straighten our our credits with Hollywood and Miramar, we'll be at almost cost neutral anyways.

215

00:28:07.310 --> 00:28:13.849

Cooper City Hall: as far as we might be before investing 50 or 70 million dollars into reclaiming our own water. Correct?

216

00:28:14.120 --> 00:28:25.639

Cooper City Hall: Yeah, I don't have a number, but I know it would not be inexpensive. But yeah, but like renegotiating the deals with Miramar and Hollywood, we should be on the upside. Okay.

217

00:28:26.650 --> 00:28:55.260

Cooper City Hall: right before Commissioner Melosi goes. I just want to make sure I go on the record to let you know that I am not interested in keeping status quo with our wastewater system by any means cost neutral with Miramar and Hollywood. It's great, but that is a Band-aid, and I'm looking for us to actually be the industry. Not not a follower, but a Trendsetter. So if that means that we've got to start tightening the belt. Just understand. I'm expecting that direction from you.

218

00:28:55.570 --> 00:29:04.860

Cooper City Hall: Okay, but I guess that was my question. What is the difference in economics between drilling another well, deep, well

219

00:29:05.110 --> 00:29:21.005

Cooper City Hall: and sending, and I know you have to meet your standards, but once you send your standards like we, because we had, I remember years ago, was youngquest, or whatever drilled those wells. Yeah, they they drilled the the one injection. Well, that we have. They. They did drill and good memory right around my bike and saw that. But

220

00:29:21.410 --> 00:29:26.299

Cooper City Hall: So like that. Then it was like a couple 1 million dollars, or what does it cost now to do that, and is that.

221

00:29:26.960 --> 00:29:39.589

Cooper City Hall: does that satisfy or no? Doesn't satisfy the requirement to reclaim or like in getting it? Well, we, we satisfy the requirement to reclaim through the Miramar agreement. I know what we're talking about going forward. If we were to

222

00:29:39.750 --> 00:29:58.890

Cooper City Hall: but listen, we are we looking at drilling more wells or no. No, we're not looking to do more. Wells. We're looking at sending more stuff to to Hollywood. Okay, this is also going to be



something that when we're looking at a 20 year plan that we're going to incorporate into that plan because we're going to be moving forward and investing

223

00:29:59.280 --> 00:30:11.380

Cooper City Hall: hundreds of millions of dollars into this. That's what we're talking about. Do we drill a well, no, but right, the conversation right now is not going to be. I mean he's they need to get more information before they

224

00:30:11.650 --> 00:30:26.129

Cooper City Hall: they have true figures for us. Don't don't you have more information? Is not the plan to present us next week. Yeah, but that's the correct. The plan that you're going to be hearing next week is what you need to do to maintain

225

00:30:26.170 --> 00:30:45.120

Cooper City Hall: the integrity of your water wastewater system. Now that that plan right now does not incorporate adding a reclaim water component for servicing within the city. That's something, some direction that if there is a desire, and I would say, if we're going to be doing that, it's got to be very targeted

226

00:30:45.210 --> 00:30:46.849

Cooper City Hall: to certain properties only.

227

00:30:47.240 --> 00:30:55.439

Cooper City Hall: and to keep the cost under control. Yeah, I have several questions. Yes, I'm going to hit them all at once. Try not to interrupt Ryan.

228

00:30:55.550 --> 00:31:04.400

Cooper City Hall: So in reference to in reference to our water permit that expires in 2030 and takes approximately 2 years.

229

00:31:05.041 --> 00:31:07.989

Cooper City Hall: We're in 25 now, and

230

00:31:08.680 --> 00:31:24.740

Cooper City Hall: the way things are slow at this point in reference to things getting approved. I don't want us to wait for just the 2 years before we start applying for that, so I don't know. I would like us to give more time for that

231

00:31:25.160 --> 00:31:33.610

Cooper City Hall: freshwater. I don't care. I'm just giving you all my questions at once. Yeah, no, but my money is waste. So no, no, I know I'm just

232

00:31:34.440 --> 00:31:41.570

Cooper City Hall: okay when Manny's on the dirty side. Yeah, I understand that. I just. I left all my questions to the end. Yeah.

233

00:31:42.300 --> 00:32:07.210

Cooper City Hall: yeah. Well, me and Ryan will start working on that, and we'll probably have to get Hazen above and some right, because it does a lot of lot of interesting words in that there is, and I know that each year it gets more and more complicated. And and I know that we are understaffed, and I don't want us to be behind the 8 ball, because if we lose that permit, it's it's oh, my goodness! If it expires. So I don't want to.

234

00:32:07.210 --> 00:32:31.450

Cooper City Hall: No, okay. So that was one there, you might still want to stay, because in reference to our tank, and when it rains, and us having to lose water because of rain. And this might be in reference to increasing infrastructure. What have you? So what happens if we put. I don't want to say a roof over it, because I'm not thinking of a roof, but a simple structure over it for the wastewater. The rain is mostly coming

235

00:32:31.450 --> 00:32:52.059

Cooper City Hall: from the wastewater pumping stations, those 83 lift stations keeping up with the rainwater. That's what's forcing it. And you can't cover it. It's not what's going into the tank just from the rain. It's all the rainwater, as you see. Like I said, we're out here right now, fighting the eye. And I problems that does not apply. We have here we have a million and a half dollars into lining pipes.

236

00:32:52.120 --> 00:33:05.075

Cooper City Hall: and to reduce the amount of Ioni, that's being infiltrated. Okay, you've seen them around your house, those trucks. Oh, no, trust me, I know y'all are there? In reference to

237

00:33:05.590 --> 00:33:10.090

Cooper City Hall: what? We're pumping out. So if Biscayne becomes compromised

238

00:33:10.210 --> 00:33:36.909

Cooper City Hall: further and we have to increase what we pump out in order to fulfill our needs. Will our permit be adjusted accordingly. That's something I'll have to look into. Is that something that they've done in the past? If you go back to the graph where you show the audio. There's a Florida aquifer below the Biscayne Aquifer, which is our backup source for water

239

00:33:37.740 --> 00:33:42.130

Cooper City Hall: right now. That will require more treatment because it's not. We are not.

240

00:33:42.570 --> 00:33:47.719

Cooper City Hall: we can. But what happened is that it's gonna cost a little bit more than the biscana cover.

241

00:33:48.110 --> 00:33:52.040

Cooper City Hall: Okay, but that is something that we could do if needed. Okay, so there you go.

242

00:33:52.040 --> 00:33:54.630

Cooper City Hall: If I could interject for a moment on that sorry.

243

00:33:55.800 --> 00:33:57.409

Ryan Webster: Hi, there! Good!

244

00:33:57.630 --> 00:34:00.929

Ryan Webster: My apologies for not being able to be there tonight.

245

00:34:01.641 --> 00:34:22.369

Ryan Webster: If I could speak a little bit on the treatment that's required for water that exceeds the Biscayne Aquifer. It's currently not something that we can treat with the technology that we have at the plant. Now, it it will require a full plant replacement, let's say

246

00:34:23.187 --> 00:34:27.509

Ryan Webster: as as nanofiltrations cannot treat brackish water.

247

00:34:28.230 --> 00:34:28.730

Cooper City Hall: Okay.

248

00:34:28.739 --> 00:34:31.259

Ryan Webster: Which is what's beyond the Biscayne Aquifer.

249

00:34:32.060 --> 00:34:37.269

Cooper City Hall: So then we would be, we would have an issue. Thank you very much for that. That was a great interjection.

250

00:34:38.614 --> 00:34:55.379

Cooper City Hall: So that we would have an issue. So then we need to also keep that in mind. In reference to sludge. So this may sound very odd, and and I always try and think of something different. Is there anyone that can use that sludge?

251

00:34:56.239 --> 00:35:00.210

Cooper City Hall: Not a class? B, just the the like, I said before the the fields.

252

00:35:00.350 --> 00:35:08.009

Cooper City Hall: but a lot of the fields close, but now the holler they send it to a Osceola organics that retreats it, and they they use it as a

253

00:35:08.150 --> 00:35:11.759

Cooper City Hall: they'll be treated to a class, a standard where it can be used, so

254

00:35:12.370 --> 00:35:14.589

Cooper City Hall: can we make money off of that?

255

00:35:15.310 --> 00:35:21.330

Cooper City Hall: Or did that? Does that require us to invest so much money that it's not cost effective. Yeah, we would. We would have to

256

00:35:21.770 --> 00:35:37.419

Cooper City Hall: change a lot of stuff, a lot of our, we have to change our facility to a class A to be able to, which is what we're which is what we're looking at potentially. So something to maybe keep in mind, because if we do change to a class, a facility, then we could potentially

257

00:35:37.680 --> 00:35:58.790

Cooper City Hall: yeah, the sludge. Then we could use it to whatever sell it to somewhere. Correct. That cost is so minimal in the scope of this thing. Yes, and so I'm I'm that's why I'm bringing these things up. There's a method to my madness. We already did the gray water the last thing we're talking about generators earlier. So we have an enormous generator that is

258

00:35:59.150 --> 00:36:24.439

Cooper City Hall: older than God. So when that generator goes, we have issues. So instead of having the older than God generator, that is one. How about if we get 2 generators with half the capacity each that

way. If one goes, we still have something or 4 generators with a quarter of the capacity that way. We still have something? Can a plant can the plant operate with

259

00:36:25.170 --> 00:36:26.380

Cooper City Hall: some

260

00:36:27.120 --> 00:36:47.910

Cooper City Hall: instead of one like I just have a fear of that one generator, and I'm I'm looking for backups, and I've harassed Staff, and I'm looking for other generators. So can I get, you know, acquiring that size is going to be, you know, hard to find, but if I can acquire 4

261

00:36:47.910 --> 00:37:07.549

Cooper City Hall: that equal that size, is there a way that they can somehow be fit to run the plant? It would be difficult to run with smaller generators. I can't hear you with other people talking. It'd be difficult to run with other generators, smaller generators, because the one generator that's on site operates both water and wastewater.

262

00:37:07.810 --> 00:37:17.970

Cooper City Hall: The blowers use a whole bunch of energy to to supply air to the plants. The centrifuge uses energy, the membrane systems, the pumps would, it would be difficult to do. I mean, it's

263

00:37:18.560 --> 00:37:25.929

Cooper City Hall: and and you you'll hear next week the number one concern in terms of reliability

264

00:37:26.070 --> 00:37:30.400

Cooper City Hall: is the electrical system supporting the plant and

265

00:37:30.920 --> 00:37:54.370

Cooper City Hall: run, not run numbers. That's about a 20 million dollars investment that is going to be the 1st one of the 1st things that we have to do. Okay? And then the last question is not for any of you all, because you're not financed. But well, we do, which I think she's here as a person. So we have 20 million, you said in reserve. So if I look at the 5% we're earning in a bank.

266

00:37:54.670 --> 00:37:59.669

Cooper City Hall: And it's 20 million. That's a million dollars a year, 7 700,000,

267

00:38:00.250 --> 00:38:24.759

Cooper City Hall: all right, 700 to a million dollars a year. Right? So are we getting that? Because then every year I'm getting a little bit more and a little bit more, and our money on that money, etc. It's not going to solve my 100 million dollars investment, but I want to know that I'm getting as much as I can. Yes, the money is is invested, I believe right now we're getting into 4% range

268

00:38:24.950 --> 00:38:26.560

Cooper City Hall: in interest rates.

269

00:38:27.770 --> 00:38:41.840

Cooper City Hall: The the money that we have and is enough to carry us through design in fiscal year 26. Okay, the. We expect to increase our revenues

270

00:38:42.060 --> 00:38:56.819



Cooper City Hall: because of the new meters, and we don't know we will know exactly how much money extra we're going to get just by having meters that actually capture water usage will increase will increase, and meters that don't. And replacing meters that don't work correct. So

271

00:38:57.550 --> 00:39:16.479

Cooper City Hall: let's say that we'll make another 1 million dollars a year on that, plus the surplus that we have today. And then we got to look at the 1st time that we'll have. We might have to borrow money is fiscal year 27 thereabouts, and how much do we need to borrow then.

272

00:39:16.600 --> 00:39:20.780

Cooper City Hall: and then we got it to change the rates to support that dev service.

273

00:39:21.060 --> 00:39:31.959

Cooper City Hall: So let's say that we borrow \$1520,000,000 at that point, and they're going to be several tranches, because the tricky thing about borrowing money is that

274

00:39:32.430 --> 00:39:49.190

Cooper City Hall: you don't want to borrow in too small of a quantity, because then the cost of borrowing gets expensive. So if you borrow 5 million dollars a year, it gets really expensive. But you don't want to borrow too much, either, because you're really borrowing in anticipation of future expenses. And you're paying interest on that.

275

00:39:49.510 --> 00:39:57.230

Cooper City Hall: And that's the the analysis that we got to do for you later on. Once we have all of the expenditure. Layouts

276

00:39:57.690 --> 00:40:01.090

Cooper City Hall: look, project, the cash flows, and we're going to tell you

277

00:40:01.290 --> 00:40:05.779

Cooper City Hall: we'd recommend that we borrow money in this amount in these years.

278

00:40:06.260 --> 00:40:11.850

Cooper City Hall: All right. Now, if I remember correctly, and I don't know if anyone was here. Back, then last question.

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00:40:12.060 --> 00:40:21.490

Cooper City Hall: when we had our 25 Year Plan way back, when I believe we bonded out what we needed to

280

00:40:22.630 --> 00:40:28.660

Cooper City Hall: do all the improvements, etc. Is there anyone that remembers. If that's what we did or did not do

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00:40:29.200 --> 00:40:38.209

Cooper City Hall: no one remembers is that something someone could look into and find out. I know that a lot of the projects that were in the 2,000 and 7 plan

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00:40:38.600 --> 00:40:49.349

Cooper City Hall: are still on our list of projects to be done. So we didn't finish everything. So yeah, so there's some equipment here that should have been, you know. Changed. Okay, thank you.

283

00:40:52.150 --> 00:40:53.040

Cooper City Hall: Mayor.

284

00:40:53.390 --> 00:40:54.462

Cooper City Hall: Cool. Thank you.

285

00:40:54.940 --> 00:41:11.989

Cooper City Hall: Mr. Manager. If my colleague is correct, and we are understaffed in utilities in any form or fashion. Please bring that to the next agenda meeting, because I'm interested in swiftly assisting in that arena. We we got

286

00:41:12.250 --> 00:41:21.880

Cooper City Hall: a lot the the support necessary for for this. We got good consultants. A lot of the, you know, projects that that we're talking about

287

00:41:22.271 --> 00:41:36.429

Cooper City Hall: are going to be relying heavily on the consultants, including the renewal of the permit and all that. Yeah, our staff is going to work on that. But we're going to. We also use consultants to help support that. So there's no immediate need right now for

288

00:41:36.490 --> 00:42:01.929

Cooper City Hall: okay. So the next thing I just want to be very clear, and then I'm done on. This is I was able to do. Get a walkthrough of our water and wastewater treatment. Plant your employees, our city employees, our employees. You are right when you opened up and said, Do an amazing job. And

289

00:42:01.930 --> 00:42:30.589

Cooper City Hall: I definitely don't want to ever assume I know their job. So you identify that you're going to send recommendations, obviously through the subject matter experts and I identify them as that as well. So outside of their consulting. Please never allow me, while I'm with you, to ever assume, to insinuate what you need. I want to hear what's needed, so I then can go ahead and appropriately delegate the right vote. I don't want to ever assume

290

00:42:31.210 --> 00:42:41.859

Cooper City Hall: anything I want exactly what we need so no longer. Our residents are are told we're going to get something done from 2,007, and it never happens. Correct. Okay, thank you.

291

00:42:43.790 --> 00:42:46.064

Cooper City Hall: Hi, Mr. Johnny, thank you.

292

00:42:46.670 --> 00:43:04.860

Cooper City Hall: So if you could just outline Mr. Ray, next meeting, you're talking about what we need to have today, basically what we need to implement immediately. But aren't we doing a master plan over the next 20 years? Oh, so we are going to get that. Yes, yeah. Okay, including the financial implications. No, no, you're going to get

293

00:43:04.990 --> 00:43:08.440

Cooper City Hall: and become. Now that you know the components.

294

00:43:08.750 --> 00:43:21.009

Cooper City Hall: you're going to get an assessment from the consultant as to the age and reliability and criticality of each of those components. And when do they need to get replaced by and an order of magnitude costs

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00:43:21.310 --> 00:43:30.560

Cooper City Hall: to each of those components? And they're going to tell you from one to 10. You need to change this by this date, and it's going to cost this amount of money

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00:43:31.400 --> 00:43:37.350

Cooper City Hall: once we have that, and the Commission has understood that that needs to happen.

297

00:43:37.500 --> 00:43:52.900

Cooper City Hall: Then the process of laying that into a financial 20 years, you know, analysis is what you know. Erwin and I are going to be doing, and we're going to need to hire at some point, if and what's called a financial advisor.

298

00:43:53.070 --> 00:44:02.260

Cooper City Hall: because the city has not borrowed money in a long time, and we don't have a credit rating, so a credit rating for the city is similar to your credit score right.

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00:44:02.940 --> 00:44:16.060

Cooper City Hall: And you know you, you need to hire an expert who knows how to present that information to the rating agencies, because the higher the rating that you get the lower the interest rate that you're going to pay. So this money was spent

300

00:44:16.240 --> 00:44:18.599

Cooper City Hall: hiring an expert that is going to

301

00:44:19.050 --> 00:44:28.599

Cooper City Hall: at the same time that was figuring out. Well, if we need to borrow money in fiscal year 27, we need to start pretty soon in getting the city rated

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00:44:28.830 --> 00:44:36.570

Cooper City Hall: and doing the the financial performance that are going to justify the rating that that you're going to be getting. So so that's what's coming

303

00:44:37.280 --> 00:44:43.040

Cooper City Hall: next. So based on that. I mean, you're gonna present to us what the consultants

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00:44:43.550 --> 00:44:56.540

Cooper City Hall: tell us that we need, and when you need it, and when we need it, I mean, we're we're as far as I'm concerned, or at least myself. I'm a layman in this. I don't know. I'm being advised by experts out here and by you.

305

00:44:56.890 --> 00:45:01.600

Cooper City Hall: So chances are we're all going to say, tell us what we need.

306

00:45:01.760 --> 00:45:05.359

Cooper City Hall: So really, you know, the financial implication

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00:45:05.560 --> 00:45:18.829

Cooper City Hall: is is where we need to be to to really understand. Obviously, we need the bond rating. We need to know how much interest we're going to have to pay. But but really we have to know. When do we need equipment? A. How much does it cost?

308

00:45:19.100 --> 00:45:31.080

Cooper City Hall: And you know that's what we're doing next week, right? So you are going to tell us how much money? Yeah. The consultants have an order of money to cost for each of the components that you need to redo.

309

00:45:31.200 --> 00:45:35.000

Cooper City Hall: and it all would all add up to a number that

310

00:45:35.150 --> 00:45:36.669

Cooper City Hall: it's gonna show up, too. But

311

00:45:37.080 --> 00:45:45.350

Cooper City Hall: and then they'll go out and get financial experts to help them drill down on the right numbers. Yeah, I just wanted to know, because we're we're

312

00:45:45.700 --> 00:45:57.349

Cooper City Hall: we're at in a situation where we're going to say, yeah, we want we want our water to be treated. We want to have continue to have high quality water in Cooper City. Tell us what we need to do. You really need to just tell us what we need to do.

313

00:45:57.800 --> 00:46:04.580

Cooper City Hall: and and obviously we'll vet it. But yes, no, yeah.

314

00:46:06.130 --> 00:46:11.608

Cooper City Hall: And I appreciate the trust of the Commission is showing on on us.

315

00:46:12.230 --> 00:46:26.000

Cooper City Hall: but a lot of people are going to ask questions from you when we go and say we need a hundred 1 million dollars. We need 120 million dollars. Yeah, of course. So this education process is part of helping

316

00:46:26.200 --> 00:46:40.570

Cooper City Hall: getting the community understanding as to what needs to happen and why it needs to happen. I just wanted to make sure we are at the point where we can start making decisions in the near future. Yes, you're going to hire a Pr. Firm as well

317

00:46:40.880 --> 00:46:41.730

Cooper City Hall: to help

318

00:46:41.920 --> 00:46:53.269



Cooper City Hall: educate the residents as well. The financial advisors will sometimes will have a group that works with them. Sometimes we just need to have

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00:46:53.380 --> 00:46:55.200

Cooper City Hall: a public information campaign.

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00:46:55.310 --> 00:47:20.180

Cooper City Hall: No, not a Pr, because we don't do advocate. But we need to provide. We need to provide information to the community. Just to that point, particularly when the item hits the ballot. There have been some recent changes to State law that even further limit a municipality's ability to spend money to. Certainly you cannot advocate, and that's been around for quite some time. But even the ability to educate has been limited in recent years.

321

00:47:20.180 --> 00:47:45.220

Cooper City Hall: So there's very little what we can actually do in the context of spending public money. Now, each of you, individually, in your official capacity as Mayor Kerr, and as commissioners can go out and speak and advocate without the expenditure of public funds. But the city as a municipal entity is limited under chapter 106, the campaign finance laws, as it relates to how we can spend public money to advocate and even certain instances educate the community.

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00:47:45.530 --> 00:47:50.290

Cooper City Hall: Yeah, at this point, we're not really envisioning general degation funds.

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00:47:50.490 --> 00:48:00.339

Cooper City Hall: We're really ambition is to commit in the monies that are generated by the utility which doesn't really require a referendum.

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00:48:00.620 --> 00:48:09.529

Cooper City Hall: But it will require, you know, ordinances and everything else that the Commission is going to have to approve, and the public is going to see. So

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00:48:09.940 --> 00:48:12.980

Cooper City Hall: I just want to make sure that the residents are aware.

326

00:48:13.370 --> 00:48:19.189

Cooper City Hall: And even if it comes from the utility department themselves, you know, as far as, like Mike goes for the city.

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00:48:19.320 --> 00:48:24.969

Cooper City Hall: we should be doing a utility outreach program as well right, even if it means more of

328

00:48:27.306 --> 00:48:34.240

Cooper City Hall: workshops where people can come in and hear, and things like that, you know, and and let everybody know that

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00:48:34.390 --> 00:48:42.188

Cooper City Hall: you know this is the blood of the city is the water. I mean, it is nothing more important. But so

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00:48:42.870 --> 00:48:45.950

Cooper City Hall: there's 2 things. You have your

331

00:48:46.230 --> 00:49:16.049

Cooper City Hall: drinking water. Thanks, and you have your wastewater. Our wastewater is more critical of a situation than our drinking water, not in priority, but in actual condition, like the facility to make water, is in a lot better situation. Not that we want to get behind. You're not correct, but the power component is one correct. Yeah. And it's a great system from Vietnam, I think right. It's 1 thing, and you know, hopefully, it doesn't go out, because then we lose pressure. And then.

332

00:49:16.360 --> 00:49:38.510

Cooper City Hall: yeah, that's what happened last time, right when Fpl went out. Hey, Commissioner, you are correct. That's their biggest Achilles heel. Every time they see storm clouds they start to sweat, that the system's going to go down. What happened during that event? It was the generator did kick on. It's the switch gear that's been failing us. It's an old antiquated switch gear. That's that outside in the rain we should be inside of a building.

333

00:49:38.610 --> 00:50:02.789

Cooper City Hall: So it wasn't switching. But now we have another generator that I put up front by the booster pumps. So if it does fail, I could turn that one on, and we will still have pressure in the system. But we will not be making water or treating wastewater. But our making of water, I imagine, under this plan is not going to be a significant change in the system. We have enough capacity from our permit to draw water out.

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00:50:02.790 --> 00:50:11.350

Cooper City Hall: We have enough capacity to pump water out. So in terms of serving water, we know you saw the graph, we probably could almost double

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00:50:11.510 --> 00:50:22.940

Cooper City Hall: the the production of water more than because then we could do 12 million, and we're permanent at 4 or something to that, but on the treating of the water. So we were adding the head work system.

336

00:50:23.060 --> 00:50:25.180

Cooper City Hall: and in lieu of

337

00:50:26.510 --> 00:50:36.830

Cooper City Hall: because at 1 point it was. Add to head works. The other one was, Hey, we got to replace the whole thing. Don't add it, and now we're back to adding it, which is fine. With me, the head works would alleviate a lot of problems that we have.

338

00:50:36.830 --> 00:51:02.739

Cooper City Hall: because a lot of screens will clean. Yeah, it would screen out the grit and all the all, the everything that comes down the toilet, and you think ends up at the plant, and then, if possible, like. So you're going to have present, hey? This is what you need a consultant, and then let us also know some of the other things that are optional. But we may want to do like. This is kind of minor. But you talked about the lift stations. My preference is we change the engineering plans to where there's no more private lift stations

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00:51:02.740 --> 00:51:27.140

Cooper City Hall: because what happens is developer builds a neighborhood. They put a crappy lift station in. They drive away, and then when the power goes out. They call the city and go, hey? And we're gonna oh, hey, Mill Creek, you know, you got no, you know. And the reality is, we're gonna have to do it. So those things are like going online. Even you guys even have one being private, the one over there on Davie for those warehouses. I don't think that's private.

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00:51:27.300 --> 00:51:44.330

Cooper City Hall: I think it's owned by us. It's owned by us and maintained by us. But it's not. I spent like 5 h one night going through the documents when we bought it in the seventies. Yeah, it's very interesting. But I'd like to, you know, also have the plan to, you know, do more than we're currently doing.

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00:51:44.440 --> 00:52:09.759

Cooper City Hall: Part of what we'll address next week is, you know, we have 82 lift stations. And we, for example, this year we're overhauling 3 of them to the tune of about, you know, \$750,000. You guys approved that a couple of meetings ago, but a lot of other ones need to be overhauled and need to be changed to completely new scatter systems where they can control and regulate those lift stations from

342

00:52:10.010 --> 00:52:22.409

Cooper City Hall: laptops at home. Right? So, you know, if they have a there is a problem that you need to get the pump to to work or lower down, then they can. They can regulate those those things at home. But all those

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00:52:22.740 --> 00:52:24.620

Cooper City Hall: overhauls need to happen.

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00:52:25.210 --> 00:52:40.670

Cooper City Hall: A lot of lining needs to happen. A lot of components that are outside of the plan need need to happen. There is there are areas of the city where the water lines need to be, you know, start being replaced and upgraded, you know, and that's you know. And and then is there? Are we going to look at

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00:52:40.980 --> 00:52:46.460

Cooper City Hall: growth as well to see if it's if it makes sense for us to be able to expand west

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00:52:47.800 --> 00:52:49.759

Cooper City Hall: in terms of

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00:52:49.930 --> 00:53:12.929

Cooper City Hall: water capacity and water production. We're we're fine servicing, you know, Southwest ranches, and you know, because we, the capacity, is there. The on the sewer side is where we need to make sure that we have in all capacity and in the expansion. But, like, are we going to do an analysis on whether it's profitable for us to actually do to expand West? Because I mean

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00:53:13.570 --> 00:53:16.049

Cooper City Hall: eventually, I would imagine they're going to want to go on water.

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00:53:16.800 --> 00:53:19.719

Cooper City Hall: And well, they're going to have to come off septic.

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00:53:20.110 --> 00:53:26.049

Cooper City Hall: Well, that's for the waste. But for the drinking you're talking about expanding into southwest farther into southwest range. Yeah, that's what you're saying. Okay.

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00:53:26.140 --> 00:53:36.149

Cooper City Hall: basically, running the analysis on Mr. Commissioner Ryan and our city manager. He brings up a point that I just need to ask a question on.

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00:53:36.180 --> 00:53:49.519

Cooper City Hall: If I'm correct, we service a portion, a part of Davie and Southwest ranches. Is there any other city municipality that we service through our water? I don't believe so. No, with with

353

00:53:49.540 --> 00:54:13.869

Cooper City Hall: with being permitted? Is there so strictly question is based upon that, and we're permitted to the 4.5 million, or whatever that would be, does because of the fact of servicing other municipalities is that our factor because of of that 4.5? Or is there additional permits that give us a little bit of wiggle room to increase there.

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00:54:13.900 --> 00:54:24.100

Cooper City Hall: The receiving municipality has to enter into an agreement with the with Us for designated service areas within the municipalities for us to serve.

355

00:54:24.140 --> 00:54:37.349

Cooper City Hall: Yeah. So like, if you, if we took on all the Southish ranches, the EPA is going to increase our and we're increasing our service area. They're going to increase our our permit because you're like, Hey, I'm adding, yeah. And right now, if I was, ranch is developing a plan

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00:54:37.520 --> 00:54:46.770

Cooper City Hall: to take the entire city and divvy up the city between the different potential providers and their goal is to have those agreements

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00:54:47.110 --> 00:54:52.450

Cooper City Hall: formalized with, you know, with sunrise with us, and I think

358

00:54:52.730 --> 00:55:07.559

Cooper City Hall: Pembroke pines Pembroke pines right, and designate each area of the city to each provider and formalize the agreement. So they know that for the future. They know who the provider is going to be. I'd be the guy to ask.

359

00:55:07.760 --> 00:55:13.699

Cooper City Hall: So I'm gonna you know. Obviously, you have to run the numbers right

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00:55:13.700 --> 00:55:39.009

Cooper City Hall: if it makes any sense. The other thing I feel like we have to do is because our cities, our users, are so like heavily residential. We. Sometimes we look at the money as one in the same, or even say like the price of the residents. But really we have to look at as an enterprise as users, because there are people on this system that are not residents. So like, I'm always opposed to spending like general fund money on the utility fund, because that, you know, I don't want to disproportionately benefit

361

00:55:39.180 --> 00:55:59.420

Cooper City Hall: people who are non residents that are on the system. So I think our our fee structure needs to be done correct, too, and part of our education of the residents is like, Hey, anything related to water has to be on that line item, so we can't mix it. You know you can't. We're not going to raise your property taxes to fix water because you have non.

362

00:55:59.500 --> 00:56:25.299

Cooper City Hall: You know users. You have users that are not in in the city and part of the financial plan that we're doing will incorporate a rate study to make sure that we're generating enough money to pay for the entire thing. Yeah, like a lot of places kind of like Fort Lauderdale for years. They kind of. I don't want to say robbed, but robbed from that utility fund which you shouldn't do. But you know we are the opposite. I feel like we subsidize it just because it's you know.

363



00:56:25.490 --> 00:56:31.099

Cooper City Hall: I don't know. But I want to make sure we're not subsidizing that question. So

364

00:56:31.270 --> 00:56:36.339

Cooper City Hall: we have people from Davie and Southwest ranches on our water if we are going to

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00:56:37.450 --> 00:56:41.660

Cooper City Hall: increase, and or when we upgrade

366

00:56:43.390 --> 00:57:02.440

Cooper City Hall: Jacob, is it illegal? No, that's my term, or is it? Are we allowed to add an additional fee to the people that reside outside of our city. No, no, I'm not let me finish. Thank you, Jacob. Now you're a triplet.

367

00:57:02.760 --> 00:57:13.840

Cooper City Hall: Jacob, are we allowed to add an additional fee to the people that are outside of our city for the upgrades? In addition to I know we charge them more.

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00:57:14.030 --> 00:57:14.900

Cooper City Hall: But

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00:57:15.140 --> 00:57:24.480

Cooper City Hall: as Commissioner Shrouder was just saying, we don't want to charge our residents flat, because we have we service people outside of our city.

370

00:57:24.750 --> 00:57:30.739

Cooper City Hall: But yet why can't I charge people outside of my city that are receiving my water?

371

00:57:30.860 --> 00:57:38.499

Cooper City Hall: An additional service fee? I'm air quoting that term because I'm upgrading my system. You're receiving that benefit.

372

00:57:38.650 --> 00:57:39.750

Cooper City Hall: And

373

00:57:40.170 --> 00:57:58.740

Cooper City Hall: I'm you know we are. In effect, I guarantee our tax dollars are going to be used at some point. Something is going to help with that, whether whether it's personnel or what have you? So our residents are in effect, will be paying for that. So why not give them extra money

374

00:57:58.800 --> 00:58:22.759

Cooper City Hall: if I can. The short answer is, we are able to recover those costs. There is a process under State law that allows us to charge a 25% surcharge above what we charge. Cooper city residents keep. Keep in mind that I believe 3 of the last 4 or 4 of the last 5 legislative sessions. There have been bills proposed to eliminate the surcharge altogether. They've failed. That may come back and may

375

00:58:22.760 --> 00:58:37.669

Cooper City Hall: pass at some point in the future. But currently we are allowed to charge that cost, and we do currently charge that cost to all of the customers outside of our boundaries. It's embedded both

in State law and in our city code. But I want to charge them in addition to the extra money. Can I charge them

376

00:58:37.750 --> 00:58:51.109

Cooper City Hall: something else to cover the money that I'm going to be charging the money that I'm going to be paying to upgrade if we, if we need to install additional infrastructure in order to service those areas.

377

00:58:51.210 --> 00:58:56.590

Cooper City Hall: There is the ability to recover those costs through either the adjacent municipalities or through the customers directly.

378

00:58:57.110 --> 00:59:10.720

Cooper City Hall: so we could somehow work it. That short answer is, it can be worked out. Okay, I like the work. You have to get your formula right. Essentially, I like the workout right? And then the other. The other thing on that note is our connection fees we haven't updated since like 90 something.

379

00:59:11.230 --> 00:59:38.699

Cooper City Hall: And we should update that because when we have like people getting onto our thing, it's obviously more money now than it was in 96. Or whenever you guys, whenever the last thing was. So when a house wants to get on, the law does not allow the city to subsidize that house. Getting on, the private property owner has to pay when we do the fee study. Yeah. But our fees are from like 1996. So I'm going to add to that, I have rental property, and I had a unit that was

380

00:59:38.700 --> 00:59:42.629

Cooper City Hall: empty, and I had to do work on it. So I put the water on for a month.

381

00:59:42.840 --> 00:59:48.590

Cooper City Hall: The city of tamarack bleeds you dry and makes you wait.

382

00:59:48.850 --> 01:00:16.499

Cooper City Hall: It's ridiculous. They have you in a 10 by 10 room, with no chairs, 40 min to where I called up our people, and I'm like, thank you for being you, because you're so much better than the city of Tamarack. It was ridiculous. They charge, if you have an account with the city of Tamarack, and you move from home A to home. B. They still charge you an additional fee for transferring your water service.

383

01:00:16.930 --> 01:00:21.190

Cooper City Hall: which is ridiculous, but they will still charge you.

384

01:00:21.740 --> 01:00:26.640

Cooper City Hall: and if you already had an account, we had account, you know, 30 years ago.

385

01:00:27.280 --> 01:00:55.450

Cooper City Hall: and we were only opening it up for one month we had to pay 70 or \$90. It was \$90 to open up an account for one month, in addition to the money to, you know the money for the bill, so they charge \$90 to open up an account in the city of Tamarack, plus whatever it is based on the size of the unit, etc. Etc. Etc. I was like, Wow, and then I so and we charge, I think, 30.

386

01:00:55.690 --> 01:01:03.850

Cooper City Hall: And I was like, Wow, and and while I don't want to bleed our residents dry, it's like, Why is there? And the only? And they literally it's a. It's a computer.

387

01:01:04.440 --> 01:01:19.129

Cooper City Hall: There was someone pushed a button. I'm like \$90 for a button. It was amazing. And if you moved in the same town you still had to pay \$90, and if they shut your water off for lack of payment, you pay another \$90

388

01:01:19.220 --> 01:01:43.740

Cooper City Hall: like, so they can't afford the bill. But now you're charging them another \$90.  
Commissioner Melosi. Was there something with that that you wanted? It was our point. You can land a plane. No, no, I said, no, no connections when they run a pipe to the house to connect it. Oh, those fees! I thought you meant to turn! No sorry I have a question, a follow up to the surcharge

389

01:01:43.840 --> 01:01:49.249

Cooper City Hall: question, Mr. Horowitz. So you were talking about the 25%. I know that Tallahassee is.

390

01:01:49.750 --> 01:01:59.910

Cooper City Hall: you know, annually looking at potentially removing that if they remove that, do, do we have a right to not connect future users outside of the city?

391

01:02:00.090 --> 01:02:16.460

Cooper City Hall: So it's a good question. The answer is, it depends. And there's 3 ways that a city could be compelled to serve property outside of its boundaries. One is by contract, one is by ordinance, and the 3rd is a little less defined. It's when a city manifests its intent.

392

01:02:16.460 --> 01:02:40.789

Cooper City Hall: and there are certain affirmative steps the city takes to serve parcels outside of its property. It's very fact specific. There have been a number of cases litigated, including in Broward

County in recent years on that very issue. Generally speaking, we are not required to serve anybody outside of our city that is not inside of our service area. We have a defined service area in the town of Southwest ranches. The Commission adopted it by ordinance in 2019.

393

01:02:40.790 --> 01:03:08.929

Cooper City Hall: We have never defined a service area in the town of Davie, but for a variety of reasons we serve a handful of accounts, about 28, or so accounts currently in the town of Davie. A number of them predate the annexation of united ranches into the town. So we've been serving them again when it was unincorporated. Broward County. If property is in another adjacent municipality that is not in our defined service area. We don't have a contract or an ordinance that says we're going to serve that property. Generally speaking, we're under no obligation to service. Thank you.

394

01:03:09.970 --> 01:03:16.180

Cooper City Hall: Jason's gonna kill me. But can I ask one other question? I know the county has wells at Brian Piccolo Park?

395

01:03:16.990 --> 01:03:22.289

Cooper City Hall: And who who do they provide, and is? Is there water to?

396

01:03:22.680 --> 01:03:25.419

Cooper City Hall: Who are they providing water to? With those wells? There.

397

01:03:25.420 --> 01:03:28.350

Ryan Webster: They? They provide water to the City Hallandale.

398

01:03:29.080 --> 01:03:31.049

Cooper City Hall: Oh, okay, from the wells here. Wow!

399

01:03:31.050 --> 01:03:32.359

Ryan Webster: Brian Piccolo.

400

01:03:32.570 --> 01:03:42.249

Cooper City Hall: And is there any opportunity there to get involved in that? Or is it a different process and too much infrastructure? I don't think we have any connection with them. Right, Brian.

401

01:03:42.550 --> 01:03:46.179

Ryan Webster: No, that's correct. There is no interconnecting pipe there to get raw water.

402

01:03:47.820 --> 01:03:53.260

Cooper City Hall: And do. They don't use the same like Nano filtration system right? They use a lime one.

403

01:03:53.540 --> 01:04:04.820

Ryan Webster: So they they use. 3 different sources. They have line softening. They have true reverse osmosis which they're building right now, and they also have Nano filtration.

404

01:04:06.320 --> 01:04:06.930

Cooper City Hall: Okay.

405

01:04:07.060 --> 01:04:08.730

Cooper City Hall: Alright, thanks.

406

01:04:10.880 --> 01:04:12.999

Cooper City Hall: Can't seize it. Then we're gonna seize it.

407

01:04:13.400 --> 01:04:14.630

Cooper City Hall: Anything else.

408

01:04:16.250 --> 01:04:21.204

Ryan Webster: If if I could stress something real quick, if I could steal a few minutes of your time.

409

01:04:21.820 --> 01:04:28.569

Ryan Webster: You know a lot of the the conversations. If we step back towards the beginning that that revolved around

410

01:04:28.730 --> 01:04:33.289

Ryan Webster: the electrical infrastructure. Of our facility.

411

01:04:33.846 --> 01:04:41.580

Ryan Webster: As as Manny had stated before, the the generator does provide power to both the water and the wastewater facility.



412

01:04:41.780 --> 01:04:43.500

Ryan Webster: However.

413

01:04:44.050 --> 01:05:01.599

Ryan Webster: regardless of the state of technology that we have on either water or wastewater. It does us no good if we don't have the adequate power supply, and that goes all the way down to to our generator and to our switch gear, which is in the age of about 50 years old.

414

01:05:02.218 --> 01:05:14.070

Ryan Webster: And and keep in mind. You know we we are treating power at 23,000 volts. And it's it's a power that even our own electricians cannot service.

415

01:05:14.310 --> 01:05:19.920

Ryan Webster: And when it does go down, and I'll remind you of the power outage that we had that resulted in a

416

01:05:20.150 --> 01:05:41.109

Ryan Webster: a boil water act on nearly almost a year ago. It's going to happen again if we don't start looking into this part of our infrastructure because it is that bad. The parts can't be found anymore. And it's we can't just go out there and flip switches and reset equipment. It's just not that easy. With this antiquated equipment.

417

01:05:43.850 --> 01:05:44.570

Cooper City Hall: Thank you.

418

01:05:44.770 --> 01:05:47.330

Cooper City Hall: We can you think it right now? Yeah, you can build it. Yeah.

419

01:05:47.990 --> 01:05:50.870

Cooper City Hall: And what I told the consultants is that

420

01:05:51.030 --> 01:05:52.839

Cooper City Hall: we're going to treat you guys like a dogs.

421

01:05:53.110 --> 01:06:08.910

Cooper City Hall: We're gonna tell you exactly how it is. And the fact that this equipment has not been changed for decades is, you know, not looking to blame anybody. But it is important that you know how it is. And I and I told these guys, you know.

422

01:06:09.310 --> 01:06:14.770

Cooper City Hall: No, tell it like it is. Yeah. I also wanted to take a minute before we finish

423

01:06:14.880 --> 01:06:29.939

Cooper City Hall: to recognize Ryan Mani and Michael. This is not what they do every day, but I thought it was important that you hear directly from them. No, they know their business, they know their plans. And I just thank you, guys. No, no, thank you.

424

01:06:29.940 --> 01:06:31.100

Ryan Webster: Appreciate, being involved.

425

01:06:33.620 --> 01:06:34.649

Cooper City Hall: Good. Thank you.

426

01:06:35.010 --> 01:06:40.549

Cooper City Hall: Motion to approve our motion, to second, take it all motion to end.