



**STORMWATER COMMITTEE MEETING**  
**Surfside Beach Town Council Chambers**

**Attachment 2: 7-21-2020 Agenda 7. COMMUNICATION & EDUCATION.**  
**Updates**

- **VMW & CWSEC Programs Updates**

**Victoria Green, CCU** – The CWSEC has partnered with several member MS4s and Education Providers (which include the Burroughs & Chapin Center for Marine & Wetland Studies, Carolina Clear, North Inlet-Winyah Bay’s National Estuarine Research Reserve, Sea Grant Consortium, Waccamaw Riverkeeper, and the Murrells Inlet 2020). CWSEC have been conducting collaborative virtual meetings since COVID19 started. Spring events – Storm Water – Pond Management Conference was very successful. Over 150 people attended the event at the Market Common center. Education providers are working on other training opportunities. February – Waccamaw Conference at the Horry County Museum in Conway was successfully attended. Dr. Libes provided her “Fecal Matters” talk. March - Spring BBQ in Surfside Beach. Promotional items were very successful, especially the doggie bags.

Moving Forward – 2020 Fall Activities include the Education Providers adapting their stormwater education plans to the future. For example, Clemson has created several webinars and will be conducting a hybrid-virtual workshop (partly online and interactive). They are working out the logistics for the in-person training portion of the workshop. Videos are being developed under North Winyah Bay and Seagrant, including the volunteer water monitoring program. New procedures are being developed for the outdoor activities to ensure people stay safe. Murrells Inlet and Surfside Beach had several clean-ups– these are good modeling for the rest of the state.

Newest member is Monica Gray – Consortium Supervisor for CWSEC. New to CCU and SC from PA. Ms. Gray has a background as an environmental engineer in both water resources and environmental health. Water resource engineering experience has been with wastewater and water treatments. She is very interested in the water resources area since there is some much of it here with the ponds, lakes, rivers, ocean, etc. Supervisor Gray is very interested in looking for ways to interest more young people in water resources and seeks to find opportunities from the communities in our water resources. In the Fall 2019, as the director of the engineering program, she has worked on an overhaul of the engineering curriculum. Capstone activities were incorporated. All engineering students (currently about 120 students) must complete 150 hours minimally (up to 500 hours) for graduation. Students can work on projects and problem-solving activities and community involvement. Have also been inviting expertise from outside to meet with the students to increase the directional flow of information from students to communities and back. The curriculum can be modified to accommodate these opportunities. The students have to complete capstone projects where the initiative will focus on creating opportunities for students to have hands-on and problem-solving experiences; then can be considered as a potential source of assistance to the communities. In the past year, students’ capstone projects included working with Dr. Libes on the water monitoring program. Moving forward, we will be able to continue hands-on capstone projects. Can also work on grant writing, research projects, proposals, conduct reviews, etc. If there’s a need, we can assist. Pond management seems to be a big interest. Suggestions welcomed.

54 Regarding Lisa's replacement; CWSEC will be hiring a postdoc. Having this position  
55 filled with postdocs can allow for "planned" turnover, utilize skills and expertise in  
56 specific areas, and target search for specific stormwater capabilities.

57  
58 **Victoria Green, CCU - Waccamaw Watershed Academy Overview**  
59 ([www.coastal.edu/wwa/](http://www.coastal.edu/wwa/)) Dr. Libes continues as the WWA Director. Ms. Green is  
60 program coordinator for the volunteer water quality monitoring program. Ms. Danielle  
61 Viso is the Environmental Quality Lab (EQL) Director in CCU.

62  
63 During the COVID-19 volunteer engagement has gone virtual. Surfside Beach  
64 volunteers have set-up the program to continue collecting data. Staying connected to  
65 volunteers via virtual engagements so as not to lose their value and expertise. Also,  
66 pursuing the Quality Assurance Project Plan (QAPP) with SC DHEC for approval of  
67 water quality sampling methodology and program enhancements.

68  
69 **Dr. Libes - Volunteer Water Quality Monitoring Report.** (*A copy of the report is available*  
70 *as an attachment.*) This is the time of year when DHEC is doing surf zone monitoring at  
71 Surfside Beach sites. Goal of the volunteer monitoring program was to sample  
72 upstream at locations that were selected in the hopes of giving us insight of explaining  
73 downstream bacteria spikes.

74  
75 Surfside SC DHEC Enterococcus Bacteria Ocean Monitoring – 2020 Beach Season.  
76 Page 1- Sampling sites include a DHEC sampling at 16<sup>th</sup> Ave. N. [WAC-30], site at the  
77 mouth of Lake Dogwood at 11<sup>th</sup> Ave N [WAC-31] was sampled upstream, next site  
78 sampled upstream from Myrtle Lake at 4/5<sup>th</sup> Ave N. The color code in red indicates a  
79 long-term advisory posted in the surf zone by DHEC because more than 20-25% of their  
80 samples go over the water quality criteria on a five-year rolling basis. The 3<sup>rd</sup> Ave N  
81 [WAC-32] site has been decommissioned because the water quality has been good;  
82 DHEC does not want to use the limited resources sampling for the same result. The last  
83 site at 13<sup>th</sup> Ave S (WAC-35) has a long-term advisory posted. This year we have had  
84 two results (color coded in pink) on 6/16/20 [146] and 6/30/20 [135] indicating we are  
85 over the WQ standard [104], but they are fairly low exceedances. These are considered  
86 just over the standard, but we have been keeping an eye on the site for a long time. I  
87 know there had been some road sweeping and ditch cleaning down there because this  
88 site has been like this for quite a while. It's pretty notable compared to the other sites  
89 which haven't had that much activity. We are half-in to the beach monitoring season. It's  
90 hard to say with certainty which sites have been seeing the most contraventions. There  
91 are three other sites at this point where at one time we've seen water quality standard  
92 exceed the magic water quality standard level at one time at 16<sup>th</sup> Ave N, that was a high  
93 contravention [WAC-30 on 7/7/20 at 454].

94  
95 One of the things looked at is to explain what's going on with how much rain fell. The  
96 rain data on page 1-table, first column "3-d prior rain accumulation," the volunteer rain  
97 monitor, Carol Harth, is collecting records. Specifically, at 7:00 a.m. on 7/7/20, if the  
98 sampling took place after 7:00 a.m. and after rain fell, when she made a recording,  
99 that's kind of an underestimate there. I suspect that's what happened on July 7<sup>th</sup>.

100  
101 Chairman Mask- You are saying that that the "1.6 inches" on the 8<sup>th</sup> is really a measure  
102 of including what happened all day on the 7<sup>th</sup>, right?

103  
104 Dr. Libes - I think so. There is follow-up sampling done by DHEC when there's been a  
105 contravention if the site doesn't have a long-term advisory posted. So that's why there  
106 was a follow-up and you can see how quickly the bacteria fell. It was at 454 on July 7<sup>th</sup>

107 and just one day later and in just one day later it's back to 84. That's pretty common  
108 behavior that things clear out pretty quickly.

109  
110 EPA is recommending that beach action value of 60 be used, so the 84 [WAC-30 on  
111 7/8/20] was above the beach action value, but still it had to drop down below the  
112 regulatory water quality criteria in just 24 hours. And the same thing happened at the  
113 Lake Dogwood swash [WAC-31 on 7/7/20] it was at 171 in the surf zone following that  
114 rain, and the next day later in the follow-up, it was down to 52 [on 7/8/20].

115  
116 On the other hand, we had significant rain on the 14<sup>th</sup>, but look at how clean those two  
117 sites were [WAC-30 and 31 on 7/7/20]. On the other hand, go down to 3<sup>rd</sup> Ave South  
118 [WAC-33 on 7/7/20] – a contravention occurred on the high side [187 on 7/14/20], but  
119 24 hours later, the levels were better at 10.

120  
121 In terms of having a predictive model, us all sitting here with expert knowledge almost  
122 can have some predictive power here where we kind of have an understanding what is  
123 happening. I'll point out that on the [June] 16<sup>th</sup>, with "1.2 inches," of rain on 13 Ave.  
124 South [WAC-35] has a hit and the other time 13<sup>th</sup> Ave. South had a marginal  
125 exceedance on June 30<sup>th</sup>.

126  
127 Mr. Petree – How close are these rain falls to the variances to the sites?

128  
129 Dr. Libes – Excellent question. It's at Ken and Carol's house. Everybody knows where  
130 that is right?

131  
132 Chairman Mask – it's right up next to Cherry Lake.

133  
134 Dr. Libes – Yes, the rain can be spotty and it would be much better if I had my hands on  
135 some kind of airily-averaged rain information. I think Dr. Porter has access to that. That  
136 may be one of the products if you can get your hands on if you agree to partner with  
137 him. Some better rain information rather than just that point. I know there's a rain gauge  
138 at the fire station but we've never been able to get our hands on that data. Perhaps if  
139 Mr. Adair could help us, that would be really good rain data for us to use here for  
140 explanatory power. I think we tried in the past and it just didn't work out.

141  
142 Mr. Adair – It's just that the staffing at the firehouse is so spotty with the staff; they work  
143 three days and then they are off for four days. They follow a strange schedule, moving  
144 from days to nights and nights to days. Getting somebody to look at that every day has  
145 been a problem in the past.

146  
147 Dr. Libes – Do they have a weather station that's just recording continuously?

148  
149 Mr Adair – I don't want to speak without knowing for sure. I can find out and let you  
150 know exactly what they have.

151  
152 Dr. Libes – That would be great because I thought they but it wasn't on whether  
153 underground or I could have been grabbing the data without bothering anybody but it  
154 was like it was password protected or something and we just couldn't work out access.

155  
156 So that's the story on the beach season. So far, considering how much rain we've had  
157 this looks encouraging in terms of having relatively few contraventions. The only thing I  
158 would point out, is 13<sup>th</sup> Ave South [WAC-35] and at Lake Dogwood [WAC-31] in Myrtle  
159 Lake. Even though we're going to look at the data from Myrtle Lake and say there's  
160 some bacteria up there, looking downstream in the surf zone for the most part things

161 look pretty good. You had no contravention this year through the 14<sup>th</sup> of July at that  
162 sight. So just keep that in mind when we look at the E.coli data from the upstream lake.  
163

164 Ms. Green – Page 3 - wishes to acknowledge the Surfside Beach volunteer Water  
165 Quality Monitoring team lead by Ken Harth with Carol Harth, Ron Mask, Melanie Mask,  
166 ad Ron Crouch. Ms. Harth continues to provide the rain data through NOAA's  
167 CoCoRAHs volunteer rain monitoring program. All the data is available on the website  
168 (<http://www.coastal.edu/wwa/wm/programs/surfsidebeach>).  
169

170 Dr. Libes – Most of the team is on the call today. We also share our report ahead of  
171 time with Ken so that he can provide his feedback as well.  
172

173 **E.Coli – SUMMARY REPORTS** (starting on page 4 of the report).

174 Dr. Libes – These are the standard median reports that are looked at. This came from  
175 Ken Harth. He likes to present the data this way. It smooths out really high and low  
176 numbers, so we're showing those with the black "sticks" (vertical lines on the graphic).  
177 The top of the stick is the highest value in the quarter, the bottom of the stick is lowest  
178 value in the quarter.  
179

180 Myrtle Lake – There is consistently high bacteria levels. A record high occurred on April  
181 14, 2020. Sampling was done by Ms. Green. Out of all the record sampling done since  
182 2010, an inch of rain had fallen 24 hours prior to sampling and I can see indication in  
183 the conductivity values that you had a lot rain come to the site. You are likely looking at  
184 stormwater runoff and not a sewer line break or something like that.  
185

186 The trend has continued that the quarterly meeting eColi's are exceeding the DHEC  
187 water quality standard of 349. That's been going since the last quarter in 2016. The only  
188 breaks we've gotten in that is the dead of winter when it's super cold in 2017 and 2019.  
189 In the winter of 2019-2020, we did see high values. No relief over this past winter.  
190

191 Yes, there's concern. We understand what's going on here. In addition to the waterfowl,  
192 there is that watershed effect that Mr. Adair was referring to before. When you develop  
193 the land and put impervious surfaces in, whether they are roofs or sidewalks or roads, it  
194 increases runoff. Some of the natural filtering ability has been lost. If you had left it in  
195 place some of that could have been mitigated some of the effect of the birds. But you've  
196 got the double-whammy here – people feeding the birds and increased development,  
197 increased runoff, that you see these high values. Increasing pervious surfaces can help  
198 here but the good news is downstream in the surf zone we're not seeing this frequency  
199 of contravention of the fecal bacteria indicator down there. Good news from that  
200 standpoint.  
201

202 Page 5 – E. coli bacteria in Lake Dogwood: Good news, we continue to see good  
203 bacterial water quality. So again, this is what we wanted to make sure was the case for  
204 protecting the downstream waters that DHEC monitors. There's only been one  
205 contravention this year. So yes, looking at the horizontal bars (black sticks) occasionally  
206 you will see some samples go well over the water quality standards but not by much.  
207 Certainly not the thousands you're seeing over in Myrtle Lake. Lake Dogwood is larger  
208 and one of the recommended water quality purification techniques is to use settling  
209 ponds. So, a pond this size is doing its work that it is lowering bacteria levels almost  
210 always.  
211

212 Page 6 - Turbidity in Lake Dogwood: Part of the problem here is that all lakes get  
213 shallower over time. So understood, it needs some maintenance dredging to continue to  
214 settle-out sediment effectively. Good news - Since May, with the past five samplings,

215 the turbidity has been back down to where it used to be before this trend started in  
216 October 2017 with the elevated bacteria overtook us. We're back down into that territory  
217 that was characteristic of the 2010 to 2017. Ken Harth reported to us that the work on  
218 the roads, SCDOT work on Hwy 17 has declined and perhaps that was the contribution  
219 although they were supposed to be using BMPs to reduce construction runoff from their  
220 sites but nevertheless we saw elevated bacteria values during their construction period.

221  
222 Mr. Adair – The combination of the DOT construction for probably the last year and the  
223 Deerfield Plantation has developed a southern track over the last couple of years and I  
224 think the combination of both those things was the primary cause of our turbidity that  
225 elevated and both those things seems to have had full stabilization now. That's what I'm  
226 attributing the turbidity going back down to normal too. There's no other explanation that  
227 makes sense to me.

228  
229 Page 7 - Dissolved oxygen in Lake Dogwood and Myrtle Lake: The other thing that  
230 we've been watching are the oxygen levels. We certainly don't want the oxygen to get  
231 low in lakes. There are fish and other animals living in there. Low oxygen can cause  
232 objectional smells as well. In the plot, the blue is Dogwood Lake and the black is Myrtle  
233 Lake. There is a seasonal trend with very high oxygen values in the winter because the  
234 gas is just more soluble when the temperature is lowered. The oxygen in the  
235 atmosphere just dissolves through the surface of the pond into the water body. In  
236 reverse happens in the summer when it gets very hot, the oxygen can't stay dissolved in  
237 the water and it exits into the atmosphere or it gets consumed by bacteria who work  
238 extra hard when it's hot. They consume the oxygen when using up their food resources  
239 which is usually decomposing organic matter.

240  
241 The red lines represent a variety of different water quality standards. DHEC has  
242 standards for shellfish waters which are technically the classification that Lake Dogwood  
243 is discharging into downstream. The freshwater is the nearest comparison of what a  
244 creek or a river nearby would be required to meet. The EPA has ratings for coastal  
245 waters that we're comparing to because the discharge out of Lake Dogwood over the  
246 weir goes into coastal waters where we want to be protective of that water quality. Any  
247 number over 5.0 [mg/L] is good news here. That is the upper red line on the graph.  
248 When we started monitoring back in 2010, many summers we were seeing water quality  
249 go below the 5.0 [mg/L] threshold but now it is an incredibly rare event. So, I would  
250 interpret that as improved water quality in both of the ponds that the oxygen levels are  
251 hardly if ever now dropping below that 5 mg/L threshold. I know there are aeration  
252 fountains in Lake Dogwood. Is there one running in Myrtle Lake?

253  
254 Mr. Adair – We have a system of three subsurface aerators in Palmetto Lake, which is  
255 between the two lakes. It drains towards Myrtle Lake not towards Dogwood. We run it  
256 during the periods of low oxygen in summertime. We just turned it on Friday and that  
257 should help both water bodies, especially if Dogwood is pretty stationary and there's not  
258 a lot of rain pushing out into the ocean. It should help both lakes out.

259  
260 Conclusion: Dr. Libes – This certainly looks like good news here. That's helping and  
261 maybe other good things that are happening here are helping. A round of good news  
262 there. Thanks again very much to the water quality monitors. I think this is a great  
263 looking data set. I'm very proud of it and that's part of the reason why we are seeking  
264 this additional recognition from DHEC about the quality of the data by getting to approve  
265 a Water Quality Assurance project plan.

266  
267 This was something that Horry County really encouraged us to pursue because they  
268 want to make sure this data gets the most use that it can. We're following in the good

269 footsteps of the fairly new state-level voluntary water quality monitoring program called  
270 "SC Adopt a Stream." I think you're going to start to see some advertisement soon for  
271 this program starting to recruit for people to monitor in the coastal waters. Initially, they  
272 stayed away from that because it requires a separate set of techniques for what they  
273 been running in the freshwaters upstate. We have been working closely with DHEC to  
274 may sure our two programs work together, that we don't compete, and we certainly  
275 want to maximize the great value of this long-term record. We don't want to lose that in  
276 the mix as another volunteer monitoring program comes on scene, but it may be an  
277 opportunity for more monitoring sites to help answer more questions here in your  
278 community. We're seeking to serve as trainers in this program and thereby integrate  
279 closely with them. We didn't want there to be any confusion as you start to see the roll-  
280 out of this program. If you do have any questions do let us know. You should be hearing  
281 more in the future. That's my presentation.

282  
283 Chairman Mask to Dr. Libes— We have a new member of committee – Mr. Hoke Petree  
284 is both a new member of the Stormwater Committee of Surfside, but he's also working  
285 as a volunteer with the water quality monitoring program. You should meet and  
286 welcome. We thank you for your report.

287  
288 • **Public Works Update for Midyear 2020 - SW Programs**

289  
290 **Director John Adair.** As mentioned earlier, we turned on the town's aeration that we  
291 have in Palmetto Lake on Friday based on the oxygen readings that Ken Harth reported  
292 in his Report. The street sweeper is running three days a week when possible in the  
293 summertime by our street department. We're removing as many street pollutants as we  
294 can.

295  
296 The Horry County Melody Diversion project, for those of you who don't know what that  
297 is, Oceanside Village people on the southside of town, pass the southern border of town  
298 in unincorporated Horry County have tried to stop our water from flowing there a couple  
299 of years ago after a couple of hurricanes. They eventually wound up plugging up and  
300 stopping our water from flowing. It's only about 16 acres of the lower portion of town that  
301 would drain that way. Horry County rectified it, was they engineered and paid for a  
302 project which has just been completed, to diverted whatever water we were sending  
303 pass Melody Lane into the marshes has now been diverted to our 13<sup>th</sup> [Ave] South  
304 swash. They redirected the water from Lakeside Dr. We are not discharging out of the  
305 town limits any longer. So, which a good thing in a way because we can never be on the  
306 hook to solve any TMDLs<sup>1</sup> in the shell waters of Murrells Inlet and beyond. That project  
307 has just been completed; they are doing just a couple of punch list items now. It'll be  
308 interesting to see now if this affects the 13<sup>th</sup> [Ave] South readings. Any questions?  
309

310 Chairman Mask – It's good that it's done.

311  
312 Ms. Hellyer – Do you know if you got any complaints from the residents locally around  
313 there about the activities that was going on? Did most people understand and find this  
314 to be of help?

315  
316 Mr. Adair – the original project was supposed to go up Dogwood Dr. That was the way it  
317 was originally engineered. It turns out there were too many conflicts with utilities and  
318 they choice a lesser, intrusive method on Lakeside Dr. which disturbed a lot less

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<sup>1</sup> TMDL is the Total Maximum Daily Loads for waterbodies listed as impaired under Section 303(d) of the Clean Water Act. A TMDL establishes the maximum amount of a pollutant allowed in a waterbody and serves as the starting point or planning tool for restoring water quality. (Source: US EPA)

319 homeowners to be honest. The only complaints we got were from some of the road  
320 closures. They had some equipment that was blocking the street for a couple of days.  
321 But that seemed to be ironed out pretty quickly. Do you have any complaints that you  
322 want to share?

323  
324 Ms. Hellyer – I remember reading about a couple of people from the area around there  
325 on some of the social media not understanding what was going on and concerned about  
326 how their property could potentially be flooded because, without knowing or  
327 understanding, they couldn't figure why the waters were no longer flowing down on the  
328 Garden City side. They were instead being brought back into Surfside Beach-side. It  
329 was a minor comment and there were not very many complaints. We've had a lot of  
330 water since then, especially in the last couple of years there's no flooding and no  
331 surges, or anything like that happening that I know of.

332  
333 Mr. Adair – With some of the residents that live along that corridor, they were never  
334 happy when the town did some improvements back in the early 2000's particularly some  
335 of the people who live along that concrete line ditch along 14<sup>th</sup> and 15<sup>th</sup> [Ave] South.  
336 They always have a fear of being flooded. This project actually addresses redundancy  
337 to that system and is not going to back them up.

338  
339 Ms. Hellyer – One idea I had early on is that we don't really get back to the residents  
340 about stormwater projects and this might one of them. Not so much that it was done and  
341 completed as much as it was perhaps an indicator that the water quality value has now  
342 come back down. And that can be used a good story.

343  
344 Mr. Adair – Yes, the couple of residents that did complain to myself and one complained  
345 to the town administrator, their concerns were addressed. Perhaps it can go out in a  
346 newsletter or in some fashion later on.

347  
348 Mr. Petree – That seems like a good idea.

349  
350 Chairman Mask – It might actually be useful to put a sign at the sites if we're going to  
351 working there for a while that this is an improve and not a disturbance that will bother  
352 them. That's something a lot of towns do.

353  
354 Ms. Hellyer – Yes, because that was one of the comments people had in the Family  
355 Day Festival that we had before COVID19. They don't know stormwater. They don't  
356 understand so much, but if you say the word flooding or surges, then that's what they  
357 know.

358  
359 Chairman Mask – Mr. Adair and I have been talking, with because with so many more  
360 projects coming about now that we have the stormwater utility fee, we really need to a  
361 much better job of advocating what we're working on, what's coming, what we've done  
362 and how's it's benefiting the town. And how we communicate it, I don't know. It's very  
363 hard to get to people. They don't tend to look at the town's websites, they don't tend to  
364 read any articles. We need to actually put something at the sight of the projects, I  
365 believe, to get to them and tell them what's happening.

366  
367 Mr. Petree – Yes, put up a big question sign with "what's coming next. Call..."

368  
369 Chairman Mask – Yes, but let's not blow the town budget. We need to put up something  
370 though. Anyway, good update, I'm glad that's complete.

371

372 Mr. Adair – Yes, and I'm glad that's behind us also, and what's even better than that is  
373 that was considered to be one of our initial projects that was going to be funded with our  
374 stormwater utility fee because that was identified as a problem several years ago but it  
375 turned out the county footed the bill for at least a quarter of a million dollars (\$250,000).  
376

377 Our first project that will be funded with our stormwater fee, which is in engineering now, is  
378 the 11<sup>th</sup> Ave N./Ocean Blvd culvert bridge which will match the one we did for the Myrtle  
379 swash between 4<sup>th</sup> and 5<sup>th</sup> Aves. That will be the first project that will be funded with our  
380 two-years collection of our stormwater utility fee. We will be getting \$500,000 back  
381 because we've been approved for our rural infrastructure authority grant. So out of the  
382 \$8-- or 900,000 project, we will get \$5[00,000] back from the state.  
383

384 Chairman Mask – So what next after that?  
385

386 Mr. Adair – Really, it's up to council and the budgeting process. My recommendation  
387 would be the next phase of the northside drainage project which includes 2<sup>nd</sup> Ave N., 11<sup>th</sup>  
388 Ave N., perhaps Pine Dr., and a piece of Cherry N. I believe those are the next priority  
389 streets.  
390

391 Chairman Mask – Yes, that's the one everyone's really had problems with in the last  
392 couple of horrific rains we've had in the summers. And I want to be sure that's high up  
393 on the list.  
394

395 My question to you as you said the council approving it, is now that we have approval  
396 for the stormwater utility fee, can't you take this money and move it to these projects  
397 without running in front of town council every time? For information, yes, but do you  
398 need their approval to do it?  
399

400 Mr. Adair – Oh, absolutely. Before we budget any capital project, it has to go into the  
401 budget as an expense and it has to be approved by council.  
402

403 Chairman Mask – Okay. Are you trying to build up a reserve or do you think you'll with a  
404 grant you just got for the 11<sup>th</sup> culvert bridge we should probably be able to do both those  
405 projects this year, right?  
406

407 Mr. Adair – No, no, no, we'll have let's say two-years' worth of the collection, say that's  
408 about \$8—or \$900,000. We'll spend that and get back \$500,000, and that'll leave  
409 \$4[00,000]. So, that will be at least another year of collection after that before we have  
410 enough to do the street projects.  
411

412 Chairman Mask – Like the northside drainage projects?  
413

414 Mr. Adair – It'll need a good three quarters of a million dollars [\$750,000] to do that.  
415

416 Chairman Mask – Okay, I did not realize that. I thought that was like a \$3—or \$400,000.  
417 Okay.  
418

419 Mr. Adair – No, no, that's big money.  
420

421 Chairman Mask – Okay, so that's a 2021 project you think then?  
422

423 Mr. Adair – Yes, probably the end of '21 early '22, we could probably start that.  
424



425 Chairman Mask – Okay and what comes after that just so that we know. Do you have  
426 anything on your mind?  
427

428 Mr. Adair – I would have to look at the documents that we prepared but certainly there's  
429 a couple of things. If there's something separate, there's always a third phase of that  
430 northside drainage project. There're at least three phases that need to be done.  
431

432 Chairman Mask – Okay. Well, as you know, as an advocate for communication, I think it  
433 would be great to sign we put up at fall festival and at the barbecue thing showing the  
434 projects completed and benefits and the projects that are on the drawing board coming  
435 up. You did that last year with a brief list, but I think I'd like to really get that going again  
436 for the fall. I'm jumping ahead to another subject with a talk about the family festival.  
437 That's one of the things I'd really to highlight because people are asking questions  
438 about what we're doing about the utility fee. And we can include some little things we're  
439 doing in there too just to beef it up.  
440

441 **SW Utility Fee & Capital Project Priorities.** Mr. Adair - The utility fee seems to be  
442 working well. As new properties are built, they come online and we add them to the roll,  
443 whether they be residential or commercial, and the fee marches on.  
444

445 Chairman Mask – Are we having any problem with the construction that they are doing  
446 up there across 17 with any water flows or anything else? I haven't heard much about it  
447 but they are doing a bit of construction and road work, as you know to get the people  
448 through here, from this side to that side. Nothing's disturbing our water system?  
449

450 Mr. Adair – You mean the Hwy 17<sup>th</sup> construction?  
451

452 Chairman Mask – Yes.  
453

454 Mr. Adair – Yes, that's mostly been stabilized as I said. They're regrading some of the  
455 ditches right now. They are in the home stretch in that project. Most of the project  
456 border has been stabilized with grass and landscaped. Couple of the traffic lights still  
457 aren't operational yet, there's still some work to do, but as far of stormwater goes, there  
458 shouldn't be much more effect.  
459

460 Ms. Hellyer – The median with the pretty flowers are really nice.  
461

462 Mr. Adair – We're just trying to get them to cut the grass. The hydroseeding done has  
463 really blossomed. Some places, you have a foot of grass now that needs to be cut. So,  
464 I've been going after them the last couple of days to get their contractor to get it cut so  
465 that it looks presentable.  
466

467 Ms. Hellyer – It's nice to see flowers instead of mudflats. Big improvement.