

In the Matter Of:

LONG ISLAND COMMISSION FOR AQUIFER PROTECTION

MEETING

December 06, 2017



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SUFFOLK COUNTY WATER AUTHORITY

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LONG ISLAND COMMISSION AQUIFER PROTECTION

IN THE MATTER OF:

GROUNDWATER RESOURCES MANAGEMENT PLAN

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300 Center Street
Riverhead, New York
December 6, 2017
Time noted: 6:07 p.m.

Reported by:
Deanna Hudson

1 A P P E A R A N C E S

2

3 STAN CAREY, Chair
4 Nassau-Suffolk Water Commission Association

5 JEFFREY SZABO
6 Suffolk County Water Authority

7 MICHAEL WHITE
8 Member

9 WALTER DAWYDIAK
10 Suffolk County Department of Health

11 STEVE TERRACIANO
12 USGS

13 JOHN MILAZZO
14 SCWA Counsel

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1 (Time noted: 6:07 p.m.)

2 MR. CAREY: Okay, we are going to get
3 started here. As you can see, we did have the room
4 reserved with the accommodations, but for some
5 reason they are not accessible tonight so hopefully
6 everyone can hear me. You know, we don't have the
7 microphones, our presentation that we would normally
8 have on the screens is not going to work so we will
9 make it available on the website or if you want to
10 leave one of us your e-mail address, we will get it
11 to you by tomorrow. We just ask you to bear with
12 us. We will have public comments after the
13 presentation, but we will start -- I will ask
14 everyone to rise and start with The Pledge of
15 Allegiance.

16 (Whereupon, The Pledge of Allegiance was
17 recited at this time.)

18 MR. CAREY: Good evening and thank you for
19 attending this evening's public hearing hosted by
20 the Long Island Commission for Aquifer Protection or
21 LICAP. My name is Stan Carey and I am the chairman
22 of LICAP.

23 I am joined today by Vice Chairman; Jeff
24 Szabo, Member; Michael white of Suffolk County,
25 Walter Dawydiak from Suffolk County, and Steve

1 Terrchiano from the USGS, and our counsel is John
2 Milazzo. The purpose of these hearings is to elicit
3 public comment on LICAP's Draft Groundwater Resource
4 Management Plan. The draft is available online at
5 LIAquiferCommission.com. And in just a minute I
6 will introduce Steve Calabufo who will give a brief
7 presentation of what the Groundwater Resources
8 Management Plan consists of as well as an outline of
9 some of the key recommendations. A list of the
10 plan's top 15 recommendations is available outside
11 if you haven't picked one up already. Hopefully
12 they were available tonight.

13 Before we begin, I would like to remind
14 everybody that today's proceedings are designed to
15 provide a forum or comment on the plan and that this
16 is not a question and answer session. Any questions
17 you may have can be submitted electronically by
18 e-mailing to LICAP@SCWA.com or by e-mail, PO Box 38,
19 care of Suffolk County Water Authority, Oakdale, New
20 York 11769. Either I or one of the LICAP members
21 will get back to you with an answer as soon as
22 possible.

23 All comments today will be brought to the
24 LICAP voting board for consideration during our
25 upcoming general meeting on December 13th. The

1 final report we expect to be published before the
2 end of this year.

3 As an or organization, our mission is to
4 make sure the sole source of drinking water here on
5 Long Island is protected for future generations, and
6 so we love to see Long Island residents such as
7 yourselves engaged in the discussions and seeking to
8 become more educated about the issues that impact
9 our groundwater.

10 so thank you once again for attending
11 today's public hearing and with that said I will
12 turn it over to Steve Colabufo.

13 MR. COLABUFO: Thank you very much, Stan.
14 So the presentation doesn't have any cool graphics
15 or anything so you have to listen to me but you
16 won't be missing any pictures or anything, it's all
17 words.

18 As Stan mentioned, My name is Steve
19 Colabufo, I am the Water Resources Manager for the
20 Suffolk County Water Authority and I am here to talk
21 about the LICAP Groundwater Recourses Management
22 Plan. This is like the second deliverable of LICAP.
23 Last year we were here in a similar fashion to talk
24 about the State of Aquifer Report. The Resources
25 Management Plan is much more comprehensive and more

1 forward thinking and this is the subject of our
2 discussion tonight. It was an interesting
3 couple-year project.

4 For those who may not know, LICAP is the
5 Long Island Commission for Aquifer Protection and
6 it's basically a partnership of water resource
7 professionals from Nassau and Suffolk Counties. And
8 it includes water suppliers, regulators, government
9 officials, academics, citizen and activist groups.
10 It was formed for the purpose of addressing water
11 quality and water quantity issues on an island-wide
12 basis, rather than focusing on small areas as has
13 been done in the previous number of years, it really
14 was focused on an island-wide focus on groundwater
15 quality and quantity problems.

16 It was created through legislation,
17 passed, both in Nassau and Suffolk Legislatures back
18 in 2013.

19 Members of LICAP include, among others,
20 every water provider in Nassau County and Suffolk.
21 Representatives of the Nassau County and Suffolk
22 County executive branches, representatives of the
23 legislatures from both counties as well as employees
24 of the Nassau and Suffolk health departments, New
25 York State DEC, as well as the USGS. There is a

1 very broad tent of groundwater professionals
2 throughout Nassau and Suffolk counties.

3 There's nine voting members, some of which
4 are present behind me and numerous nonvoting members
5 who are from other units of county and county
6 governments as well as other agencies and entities
7 involved in groundwater on Long Island in some
8 fashion.

9 Now, one of the biggest structures within
10 LICAP is the formation of the two LICAP
11 subcommittees. One subcommittee is known as the
12 Water Recourses and Infrastructure Subcommittee or
13 WRIS. That was chaired by myself. The other
14 subcommittee is the Water Resources and Opportunity
15 subcommittee chaired by Bill Merklin of D&B
16 Engineers. The WRIS was designed to develop a plan
17 to identify long term risk in the water supply
18 industry and the WROS, Water Recourse Opportunity
19 Subcommittee, looked more at potential short term
20 risk facing water suppliers and the treatment
21 distribution of water from our aquifers.

22 The subcommittee began meeting in 2014.
23 The meetings were attended by a very wide
24 cross-section of Long Island's Groundwater
25 Community, similar to the members I described

1 earlier. The attendees at those meetings, following
2 the LICAP adopted law, ultimately determined the
3 subject matter for the plan. Once those topics for
4 inclusion in the plan were determined by the members
5 of those meetings. Set up committee chairs then
6 divided the topics based on their charge. The water
7 resources and infrastructure subcommittee focused
8 more on long term resource oriented topics, the WROS
9 focused more on shorter term facilities oriented
10 topics and the subcommittee chairs organized and
11 over saw report writing teams to create author and
12 edit the reports that ultimately comprises the plan.
13 We ended up with 15 individual reports created over
14 that three year period and those are sort of the raw
15 material from which the plan was made.

16 So this plan is a culmination of efforts
17 started back when LICAP was first formed. The big
18 difference between the groundwater management here
19 and others that have come before it, it was produced
20 as a result of cooperative efforts among existing
21 groundwater professionals already working in the
22 field in both Nassau and Suffolk County. Rather
23 than having a consultant do a report on his own
24 timeline, it was decided that it would be a better
25 idea to have actual working professionals within the

1 groundwater industry on Long Island actually come up
2 with the plan, and that's what we did.

3 So the plan provides a clear picture of
4 specific threats facing the aquifer system and also
5 addresses the adequacies of existing groundwater
6 management regulations and creates an action plan
7 for long-term sustainability and more importantly,
8 really, an implementation program and prioritization
9 schedule for all of the recommendations that stem
10 from the plan. Also, we take a look at recommended
11 regulatory amendments and legislative actions as
12 well.

13 All right. Again, about 15 or 16 authors
14 for all those reports without whose hard work this
15 could not have been done. Shout out to all the
16 fellow authors that worked on the plan, we
17 appreciate the efforts.

18 So the 15 individual reports focused on a
19 couple of different sort of subject areas. We
20 started off with a report on the regulatory
21 framework for Long Island Groundwater management.
22 Paul Ponturo worked on that. It was a good starting
23 off point. All the regulations that govern
24 groundwater use on Long Island were documented in
25 that report. We focused on natural issues affecting

1 water quality and quantity and that includes climate
2 change, the Pine Barrens and other land preservation
3 needs. We focused on what we call cultural issues
4 that affected Long Island groundwater. That
5 included Wastewater Management in both counties.
6 Nassau and Suffolk have very different policies,
7 more septic systems in Suffolk County versus regional sewers
8 in Nassau. That was the subject of a lengthy
9 report. We also have a report on geothermal heating
10 and cooling. It's a very up and coming technology.
11 Since it does use groundwater, we certainly thought
12 it was deserving of its own report.

13 We also talked about water supply
14 alternatives. These are typically glanced at and
15 dismissed in previous reports but we do take a
16 little bit more of a look at desalination and
17 aquifer storage and recovery and potable water reuse
18 with a specific case right down the road in
19 Riverhead at the Indian Island Golf Course this past
20 summer.

21 Then we have water quality and water
22 quantity issues also addressed in the report.
23 Regional contamination events that affected Long
24 Island groundwater in addition to more regular
25 normal things like contamination of wells by road

1 salting, saltwater intrusion, and some other water
2 quality issues as reported on by the Suffolk County
3 Department of Health specifically emerging
4 contaminants and things like that. Then some water
5 quantity issues that were reported on, groundwater
6 quantity -- competed uses users of ground water,
7 certainly agriculture, golf courses, industry. All
8 of whom use the fair share of groundwater.

9 Analyzing and evaluating those uses was the subject
10 of one report as well as the Lloyd aquifer.

11 The Lloyd Aquifer is used pretty
12 extensively in Nassau for water supply, very
13 minimally in Suffolk but the use in the future was a
14 worthwhile subject.

15 We have a report of water efficiency and
16 conservation. Paul Granger of Port Washington did
17 that report about discussion of conservation and
18 water efficiency. We also have a report on
19 cross-county transmission, typically to supply
20 Nassau from Suffolk or from the City. That was
21 analyzed also and one of the hotter topics in the
22 recent years, the reactivation of the public supply
23 wells in Queens by the New York City DEP. That
24 report was by Brian Schneider. He worked on it. It
25 was a very eclectic mix of subject matter that was

1 the raw material from which the plan was made.

2 In addition to those 15 reports I
3 described, we also thought it was necessary and
4 important to highlight a couple of initiatives that
5 were at least underway or even, in some cases,
6 completed while LICAP has been in session. The most
7 significant of those in our opinion is WaterTraq, a
8 user friendly water quality and mapping database.
9 It's available for use on LICAP's website and
10 provides a very user friendly way of analyzing water
11 quality on a regional basis. That was up and
12 running this time last year, so before LICAP even
13 finishes up it's duty, WaterTraq was up and running.

14 The USGS Long Island Sustainability Study,
15 that was started about six months ago and it's
16 basically a reworking or re-examination, again, of
17 the Long Island hydrogeologic framework. There is
18 information that should be very useful, should be
19 coming out of that as well.

20 So the plan was organized into ten
21 specific sections. Again, those reports I mentioned
22 before were sort of fitted into this ten-section
23 format for the plan. We have the executive summary
24 introduction and that's available to look at. The
25 15 major recommendations from the report. We have

1 other sections on groundwater conditions, existing
2 regulatory -- and other existing conditions both
3 natural and legal concerning the groundwater
4 situation of Long Island.

5 Then we have a couple of sections devoted
6 to future management implementation opportunities,
7 and most importantly, Section 8 of the report is a
8 recommendation and implementation schedule.

9 We also have a section acknowledging the
10 reports, as I did a couple of slides ago, as well as
11 their references. If anybody is interested in a
12 specific subject addressed by the plan, you can go
13 on and look in further detail. The authors'
14 specific references are detailed. So the 15 reports
15 that I spoke about earlier yielded a total of 143
16 recommendations, so a lot of recommendations coming
17 into play. All those recommendations are kind of
18 assembled and provided to the LICAP voting board
19 members for them the rank either as A, immediate
20 most important, B short term, C long term or E for
21 elimination completely. Some of those
22 recommendations are very specific to one particular
23 report or another and some may not have really been
24 relevant to the overall ground water scheme of
25 things. Some were targeted for elimination.

1 Also, similar recommendations that were
2 generated by different reports were combined in the
3 recommendation section. Less than the 143 number
4 ultimately. It's about 110 or so that eventually
5 made it into the report and appear in Section 8 of
6 the recommendation section. The top 15 are
7 available to look at there, I am not going to go
8 through them blow by blow. They are not in a
9 particular order as to how they appear in the
10 executive summary.

11 So public comments -- oh yeah, the other
12 thing to mention, the full reports will be available
13 as an appendix as well. If you are interested in
14 some of the subject matter that is described by the
15 plan, the actual full report will be available in
16 the appendix in addition to the groundwater plan,
17 the final plan, will be available at the LICAP
18 website. The final draft will be available for
19 comment until the end of the week and final plan we
20 hope to be adopted at the full LICAP quarterly
21 meeting on December 13th.

22 I've got a slide here showing how to
23 submit them, by mail, by e-mail, on the web, or by
24 phone. I can leave this facing the other way if you
25 need to copy anything down.

1 In conclusion, just going forward, LICAP
2 intends to complete its yearly State of the Aquifer
3 Report within the next couple of months. It's an
4 update for the State of Aquifer Report and we hope
5 to continue budgeting based on the funding received
6 by New York State depending on how much and when
7 that funding is received, we can use it to expand
8 the data for use in WaterTraq or use in USGS
9 sustainability studies.

10 With that, we can open it up to public
11 comment and what I'll do is get that slide with all
12 the addresses and I'll leave it turned around so you
13 can see it. In the meantime, we can open it up to
14 public comment for anybody who wishes to comment.

15 MR. CAREY: Thank you, Steve.

16 MR. COLABUFO: You're welcome.

17 MR. CAREY: Seth, did we do cards or we
18 didn't --

19 SETH: No.

20 MR. CAREY: SO we open up the public
21 comment to whoever is here. Just on by one come up
22 to the mic and state your name and affiliation and
23 you can address the board with your comments.
24 Anyone want to provide comments on the plan?

25

1 MS. TRODDER: My name is Gwen Trodder
2 (phonetic) and I am an aide to Suffolk County
3 Legislator Al Krupski. Al couldn't be here tonight
4 His father passed away yesterday, so I am going to
5 ask you to extend the comment period. In addition,
6 we've gotten a couple of calls -- I got a call when
7 we were back there trying to print out the slides
8 and I got one back at the office. I guess there was
9 some confusion about the venue that was noticed so
10 people -- I am requesting that you either extend the
11 comment period or hold another hearing in Riverhead
12 because I think people were confused about that.
13 That's really if you would defer to the legislature
14 and allow him to submit comments in the near future
15 and other folks who maybe wanted to come. If you
16 are not willing to have another hearing, extend the
17 comments period for people who wanted to be here
18 tonight but for whatever reason wouldn't be.

19 MR. CAREY: We were published for this
20 location in Newsday last week, it was on LICAP
21 website, it was on Suffolk County Water Authority
22 Website, it was on the Water Conference website, so
23 it was well advertised.

24 MS. TRODDER: All right.

25 MR. CAREY: I don't know what the

1 confusion was with this building. Obviously some of
2 the people got it. We are accepting written
3 comments, the public portion will be closed after
4 tonight's hearing but we will accept written
5 comments until close of business on Friday and we
6 have the addresses up there on the screen for anyone
7 who wants to submit them by the end of the week.

8 MS. TRODDER: At the meeting next week,
9 will you accept comments at that time?

10 MR. CAREY: Not on the plan. Public
11 comment tonight but written comment will be accepted
12 until close of business on Friday.

13 MS. TRODDER: And you are not going to
14 entertain an extension?

15 MR. CAREY: Extension?

16 MS. TRODDER: Just for comments.

17 MR. CAREY: That would be subject to a
18 full meeting next week.

19 MR. MILAZZO: In light of the
20 legislature's father passing, if he can get his
21 comments to us, just given the personal family
22 issues, if he can get those comments to us by
23 Tuesday.

24 MR. CAREY: Yeah, before the full meeting.

25 MS. TRODDER: Thank you.

1 MR. MILAZZO: Everyone else, please get
2 them to us by Friday only because the board needs to
3 consider the comments and if a bunch of comments
4 come in the day before the meeting they won't be
5 able to get their proper consideration and that's
6 not the goal of the board. In light of legislature
7 Krupski's personal circumstance, we will extend it
8 for him until Tuesday but everyone else by Friday,
9 and you can call us our by e-mail or however you
10 want to get the comments to us, that will be fine.

11 MR. CAREY: Anyone else want to address
12 the board on the draft plan?

13 MR. BAYER: My name is Joe Baier and I
14 know almost all of you I guess. At one time or
15 another we run into each other, the comments I am
16 making tonight are as a private citizen. I do want
17 to commend the board and all of the volunteers for
18 the work they did on this report. It was quite an
19 undertaking and the final product or the product
20 that I've looked at is terrific and very
21 educational, very thorough, and the topics, the
22 things on chlorides, WaterTraq, geothermal which I
23 didn't know too much about, now I do. It was
24 really, really great. The clean up projects on
25 groundwater as well as the reviews of wastewater

1 were really good. I also had the chance of calling
2 Steve the other day and I gave him some editorial
3 comments rather than bore you with them tonight. I
4 do have a few things that I would like to present to
5 you for thought.

6 The first is, the report had no table of
7 contents. So as a result, I had to read the whole
8 report.

9 MR. MILAZZO: It worked.

10 (Laughter.)

11 MR. BAYER: I was going to read it any
12 way, but sometime you like to look like let's go to
13 this section first and back and forth.

14 The first thing I would mention to you is
15 that on page 135 of the report, it talks about
16 wastewater treatment in Suffolk County and there's
17 one -- I would like you to think to add one
18 particular line. In the 1970's, that's my era,
19 Suffolk County instituted 10-milligram per liter as
20 a wastewater discharge for sewage treatment plants.
21 The State discharge is 20 and they have an asterisk
22 next to it and it says Suffolk County has 10. I
23 think that is the first time 10 was really looked at
24 and as a result of what you say in your report where
25 you've got 120 some-odd plants all treating with

1 sewage down to less than 10. That was really the
2 start of it.

3 I have two comments to make on water
4 conservation, the first is -- and I didn't see it
5 mentioned -- Nassau County passed the resolution in
6 2016 which required all new sprinkler systems that
7 would be installed started January 1 of next year.
8 Had to be either soil moisture or rain sensors or
9 computerized control attached to them. In addition
10 to that, the landscapers who usually turn these
11 systems on and off had to file reports after they
12 turn them on with the homeowner. I have a copy of
13 this I will leave with you. If I can leave it to
14 the secretary or -- that's a copy of the signed
15 resolution, if you want to look at it.

16 The second thing was, I didn't notice the
17 conservation discussions that New York State DEC
18 required all public water suppliers on Long Island
19 to file a water conservation report this year. That
20 report had to detail how the water supplier was
21 going to reduce their pumpage, which was the summer
22 pumpage by 15 percent over the next three years.
23 Just bringing that up, there is a start and there
24 was lots of, you know, we should be doing this and
25 you know, there has been a start already.

1 Just going back to sewage treatment for a
2 minute, you probably know there's three levels of
3 treatment, primary secondary and tertiary.

4 Historically in health department, septic
5 tanks came into being in 1972. They were required
6 on all new houses and that was to follow, what was
7 considered that time, even earlier than that to be
8 primary treatment, primary treatment is settling,
9 that's it. Basically, that's what septic tank did.
10 The reason I bring that up is because, generally, an
11 average number for nitrogen, total nitrogen and
12 sewage is about 60-milligrams per liter, coming out
13 of a leaching pool, we talked about a number of 40.
14 I believe that's where the health department got
15 their start of saying from there we want advanced
16 waste treatment we want to get it down below 20 or
17 19. That varies on tertiary treatment which is the
18 end all and is a very good start, I think, to one of
19 the goals of reducing nitrogen in the ground water.

20 One other recommendation for you to think
21 about ,and that would be to consider asking Nassau
22 County to adopt a program ofor innovative and
23 alternative on-site waste treatment systems so they
24 can mirror what Suffolk County is doing. There's
25 not much need for it there but especially on some of

1 the larger north shore estates, it could be
2 practical.

3 My last thought is that I hope that this
4 LICAP can continue and that as a group, you can
5 continue to meet and work together, since you are
6 all volunteers, towards the various agencies and
7 work to getting them to implement your various
8 recommendations you have made. You have a good
9 nucleus of volunteers already.

10 MR. CAREY: Thank you, Mr. Bayer.

11 Anyone else have any comments?

12 MR. REYNOLDS: This is my first LICAP
13 meeting. I have to check it off my bucket list. I
14 am Roy Reynolds, i am president of the East Moriches
15 Property Owner's Association. We appreciate the
16 work you have done. I prepared some written
17 comments which I will be submitting, but first I
18 would like to just summarize what I will be
19 submitting.

20 With a 246 page report as Joe said, a
21 table of contents would be helpful. I had to read
22 it. By my account, the report contains 108
23 recommendations. What surprises me is there's no
24 specific recommendation to for acquisition of land
25 to protect our water budget areas. This should be a

1 priority and reports should recommend that we
2 acquire as much undeveloped land as possible for
3 water budget areas. This is especially urgent since
4 some of the reports recommendations set the stage of
5 Suffolk County to ship the water into Nassau County.

6 Next, I am surprised that there are no
7 recommendations to stop the discharge of our
8 drinking water, supply to the ocean and sewage
9 treatment plants. Case and point, southwest sewer
10 district. Does anyone think it's a good idea to
11 dump 30 million gallons of drinking water into the
12 ocean every day? With additional development in the
13 works like Ronkonkoma Hub and Heartland, this will
14 increase to 40 million gallons a day. The effects
15 of this is stated on page 13 of your report and it's
16 not good. The LICAP report should recommend
17 stopping these discharges into the ocean and
18 stopping the increase. Page 58 of the report
19 states, I quote, "The increase of nutrient loads
20 from groundwater discharge, especially nitrogen, the
21 surface waters have caused (inaudible). This
22 statement is misleading and should be removed from
23 the report.

24 Is this nitrogen from the systems really
25 causing harmful algae blooms? The answer is no.

1 Case in point. The entire south shore of Long
2 Island, from Queens border to Oakdale has been
3 sewerred since 1981, meaning no discharge of
4 nitrogen, conventional systems entering the bays for
5 over 36 years, someone has to ask. If conventional
6 systems are such a problem, why hasn't their
7 elimination and sewerred solved the problem? In
8 fact, the brown tide first showed up four years
9 after the completion of the southwest sewer
10 district. This is a cause and effect. Instead of
11 eliminating conventional sewage disposal systems, a
12 clear recommendation should be made to support
13 fixing them. Recommendation C39 (inaudible) in the
14 back of the report. It's not forceful enough.

15 In addition, some of the recommendations
16 of the report are poorly worded and do not make
17 sense. For example, one recommendation reads, I
18 quote, "Identification and prioritization of parcels
19 and determine the sewers treatment plant capacity to
20 permit the connection of identified parcels." If I
21 wrote this, my professor would have thrown me out of
22 class. I recommend that someone go through the
23 recommendations and correct the grammar.

24 In summary, I am submitting the written
25 comments on the report including some grammatical

1 suggestions and typos and questions. In addition, I
2 recommend that the 108 recommendations be grouped
3 into categories and labeled as such. Also, you
4 might consider renumbering them to eliminate
5 duplicate numbers. I hope you find the comments
6 useful and who do I give the comments to?

7 SETH: I will take them.

8 MR. CAREY: Thank you, Mr. Reynolds.

9 Anyone else want to address the board? I
10 see a few familiar faces out there, someone has to
11 come up.

12 MR. McDONALD: Kevin McDonald, spelled
13 like the hamburger place.

14 Okay, so our general comments are offered
15 with the best of intentions even though they may not
16 sound that way and here they are.

17 So the difficulty that I had going through
18 the report and some of my colleagues had going
19 through the report was while there were a lot of
20 recommendations and a lot of topics discussed, it
21 would have been more helpful to have had a strategic
22 assessment and a comparative assessment of the ones
23 that matter the most to resource protection and
24 resource management. For instance, I was
25 particularly intrigued -- and Jeff knows this

1 because I have been haranguing him for years on the
2 question of conservation pricing for water to manage
3 demand rather than just selling as much water as
4 demand could possibly reach. While the
5 recommendation is in the report, it's not actionable
6 in a sense that it doesn't say whose job it is, by
7 what date should it be initiated. Is it a
8 legislative recommendation? Is it a recommendation
9 for water districts to develop their own
10 conservation price conservation plan and what are
11 they managing for? Are they managing just to have a
12 conservation pricing plan or are they actually
13 managing to bend the demand curve to meet a
14 particular target? You have to know what you are
15 managing for before you set a conservation price
16 plan up to meet that demand that you were
17 theoretically trying to manage for. This example
18 relates to a series of other recommendations. Who
19 wouldn't love the idea of a conservation pricing
20 plan or a conservation water resources management
21 plan? There's not enough discussion as to what end
22 point are you managing for, so that's sort of a
23 macro recommendation. Again, I don't mean it to
24 sound unkind as much as it was an opportunity that
25 probably could've been better seized if you had more

1 time, more money, or more resources.

2 So that's one, the second major
3 observation is that it's just sort of operationally.
4 If you are -- you need to ask yourself, is it better
5 to get it right than get it done and if you want to
6 just say we want to get it done, just say that but
7 in the present form, it's not as right as it could
8 be and there's not a whole lot of attention paid to
9 the broader issue of if you want to protect the
10 Aquifer on Long Island, for all its purposes, we
11 drink some of it and that which we don't drink ends
12 up in our bays and harbors. And that which we use
13 in the course of having it delivered to all of our
14 businesses and residences on Long Island comes back
15 in the a form that might be suitable to drink in
16 some cases, questionably in some cases, but it's
17 surely inadequate to protect the water quality of
18 our bays and harbors as it is manifesting itself in
19 a number of series problematic ways across Nassau
20 and Suffolk County. If you didn't want to address
21 that, you should have just said we are leaving this
22 to others to address in the form of Long Island
23 Nitrogen Action Plan or other entities. Somebody
24 needs to take ownership of that differently and I
25 wouldn't want this report to be silent on that and

1 somehow, somebody believes that this takes care of
2 everything because that would be misleading.

3 Finally, it's to the question of are you
4 interested in getting it done or getting it right?

5 If you are actually going to close the comment
6 period on Friday and adopt the plan at the end of
7 the year, thank you for letting us come out tonight
8 and letting you know that different people have
9 different concerns of substance that probably wont
10 be addressed in any material and meaningful way.

11 Most people don't find that all that responsive.

12 And you know, I used to go to a hearing where the
13 person -- not you guys -- would, no matter what you
14 said, the remark was thank you for your comments,
15 they will be entered into the record as oppose to
16 those are good comments or thank you for your
17 comments, let's see how they can be addressed. I
18 think -- I am sure, different people who have
19 presented comment on observations, you know, would
20 like the serious consideration of their inclusion
21 into the document in some meaningful way. Certainly
22 I do and I know others do as well. Again, I don't
23 wish them to sound unkind. I know that different
24 people worked very hard under strained
25 circumstances, I know that people did their best,

1 but this is going to be a document that could be
2 used by other people for other purposes, it should
3 be as good as it can be, not just done quickly.
4 Thank you again for your time, your effort on this
5 and I appreciate it. Thanks.

6 MR. CAREY: Thank you for your comments,
7 Mr. McDonald. They will be brought back to the
8 board for consideration.

9 MR. McDONALD: Okay.

10 MR. CAREY: Anyone else have any comments
11 for the LICAP membership? Anyone else? I know a
12 couple people walked in just a few minutes ago but
13 we are reaching the end of the comment period. Does
14 anyone want to have any comments made part of the
15 record? Anyone else? Come on up please, thank you.

16 MR. O'NEIL: Hello. My name is Shawn
17 O'Neil. I am the executive direct of Peconic Bay
18 Keeper. I don't have much original thought here but
19 I would like to show some support for some of the
20 previous comments made. I think it's very important
21 to make sure any plans accounting for ocean outfall,
22 the definite direction we are going in with all
23 development, all large developments, Ronkonkoma Hub,
24 Heartland and others seemingly moving into this
25 direction of ocean outfall that not only is it a

1 problem now, it's going to be an increasing problem
2 unless we end development on Long Island. It
3 certainly doesn't seem like that's going to happen.
4 Having a real -- I think what's happening is with
5 other efforts including (inaudible) and whatnot,
6 Ocean outfall is almost being looked at as kind of a
7 nitrogen neutral solution that if it doesn't enter
8 bays or groundwater, it's not actually increasing
9 nitrogen pollution on Long Island and it's not
10 really the case, it's just simply shifting that
11 nitrogen pollution a little bit further out.

12 So anything that can be considered for
13 considering ocean outfall and considering the
14 effects it has on depletion of groundwater, pressure
15 stricken water and also increasing nitrogen output
16 to out near-shore coastal communities, I think it's
17 important. Just pretty much everything Kevin said,
18 I agree with. I think it's important that the
19 commentary today are considered and I thank you for
20 considering that in your board meeting coming up.

21 The last part, the table of contents, as
22 everyone else has sort of said, would be very, very
23 helpful. You know, I am sure with the public,
24 especially people that are not in this business,
25 they have limited time and ability to go to parts

1 that they know about and care about quickly would
2 serve the needs of public quite well.

3 I'd like to commend you for your efforts.
4 This is a very important project. Thank you and
5 keep up the good work.

6 MR. CAREY: Thank you Mr. O'Neil.

7 MR. PENNY: Hello. My name is Larry
8 Penny. I live in Noyack which is next to Sag Harbor
9 and I've been in the groundwater business for 40
10 years here, not selling it but trying to protect it
11 and I know a few of you gentleman over there.

12 Yeah, I am wondering, having written the
13 groundwater plan for East Hampton Town with -- I am
14 trying to remember his name -- you would know who it
15 is, hydrologist, your hydrologist -- it will come to
16 me. He actually wrote two groundwater plans for
17 East Hampton Town while I was working there and I am
18 wondering about the actual amount of water that will
19 be available as we continue to grow out.

20 Now, I am one of those that believes we've
21 already grown out, like a gentleman from Stony Brook
22 and we don't really know and a lot of the wells
23 that -- for example, in East Hampton, the
24 groundwater test wells, a lot of those wells have
25 just been you know, you know, nobody checks them

1 anymore. USGS used to check all the wells in
2 Suffolk County Health and a lot of things are going
3 on. I understand there's not enough people to do
4 all the checking and probably not enough laboratory
5 space. I happen to get my water checked by Suffolk
6 County every other year and this year I applied in
7 November of 2016 and they didn't come until April
8 and they only came because I got after them through
9 the county legislature's office. I know they were
10 busy checking all these wells for various kinds of
11 pollutants and so forth. I don't blame them, they
12 are backed up. They need more people. I think that
13 we should start talking about limits, you know, this
14 nitrate, I know a lot about it because I used to
15 teach marine ecology and all those things at
16 different universities and colleges. I think that
17 no matter how hard we work to get rid of the leaking
18 septic -- I think I have a leaking septic and I
19 live close to Noyack Bay. It's going to take a long
20 time to stop that nitrogen flow because it's been
21 there for 60 or 70 years and it's been moving about
22 a foot a day towards the nearest water body, towards
23 the nearest sink. It's not going to be a simple
24 thing and I am wondering if we should have some sort
25 of moratorium on building. I read in Newsday that

1 this meeting was going to be at 423 Griffing, that
2 is why I was there, and I was there with a gentleman
3 sitting back there too and we both thought it was
4 going to be at Cornell Extension. I am wondering if
5 anybody is giving any thought to kind of maybe
6 moratorium on building. We got Islip, we got 3600
7 units waiting at a old sanitarium and we have
8 another 200, another 500 here, another 700 there.
9 Is it going to be enough water or are we going to --
10 what if New York City wants to tap into our Long
11 Island water and they have some wells that haven't
12 been used lately. Is that all being sorted out?
13 Those are my questions and I am probably going to
14 move to California anyway before I die, but I'd like
15 to see some -- really looking ahead, I think the
16 nitrogen idea is looking ahead. I think that's very
17 good. We used to complain about it. In fact,
18 Suffolk County did a study back in the 1990's after
19 the brown tide and they did no more nitrogen in the
20 water, no more nitrates entering the marine water.
21 That was the main finding and that group lead to the
22 Peconic Estuary which you all know about. You know,
23 we come a long way but we got a long way to go.
24 Thank you.

25 MR. CAREY: Thank you Mr. Penny. Anyone

1 else have comments? Anyone else? Just a couple
2 points I want to make in closing.

3 We started this process three plus years
4 ago. It was a very open and transparent process and
5 it was open to the public, anyone who wanted to
6 become involved with any one of the subcommittees,
7 they were welcome to do that. To be honest, it was
8 a struggle to get to this point where we are now. I
9 am not trying to make an excuse that it's not a
10 perfect plan or we shouldn't perhaps extend the
11 deadline, but, you know, one of the issues that
12 Mr. McDonald brought up was money. We didn't have
13 any money, everyone was a volunteer. We all have
14 full-time jobs so it was difficult to get people to
15 participate in this, you mentioned LINAP, LINAP was
16 given 5 million-dollars, LICAP got zero. Again, we
17 have no authority to mandate any of our
18 recommendations. We have no authority over the DEC
19 or the county health departments. This is strictly
20 a recommendation report that we are given so I don't
21 know what more we can do. We appreciate your
22 comments and trust me, they will be brought back to
23 the full LICAP board next week for consideration.
24 They will get them ahead of time. It's not like we
25 had unlimited resources and funds. It was all

1 volunteers for people that had full-time jobs.
2 Again, we appreciate your comments and the process
3 was open to the public for a very, very long time
4 and all of our meetings were well advertised. With
5 that, one more chance, anyone else want to address
6 the LICAP board?

7 (No responses.)

8 MR. CAREY: So we are going to close the
9 public comment period tonight and it will remain
10 open to close of business on Friday with the
11 exception of Legislature Krupski understanding his
12 personal situation. We will receive his comments up
13 until Tuesday which we will distribute to the full
14 board before the meeting on Wednesday.

15 Thank you for coming.

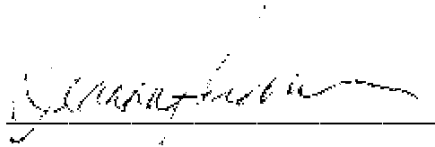
16 (Time noted: 6:54 p.m.)
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C E R T I F I C A T E

I, DEANNA HUDSON, a shorthand reporter and
Notary Public within and for the State of New York,
do hereby certify:

That the within statement is a true and
accurate record of the stenographic notes taken by
me.

I further certify that I am not related to
any of the parties to this action by blood or
marriage, and that I am in no way interested in the
outcome of this matter.



DEANNA HUDSON

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