

CITY OF JACKSONVILLE
ADAPTATION ACTION AREA WORKING GROUP
MEETING

Proceedings held on Monday, June 24, 2019,
commencing at 9:00 a.m., at the Ed Ball Building,
214 North Hogan Street, 8th Floor Conference Room,
Jacksonville, Florida, before Diane M. Tropa, FPR, a
Notary Public in and for the State of Florida at Large.

PRESENT:

- EMILY PIERCE, Chairwoman.
- MICHELLE TAPPOUNI, Vice Chair.
- CHIRADIP CHATTERJEE, Working Group Member.
- MATT GALNOR, Working Group Member.
- JOSEPH LORETTA, Working Group Member.
- JEFF MARTIN, Working Group Member.
- ERIK OLSEN, Working Group Member.

ALSO PRESENT:

- BILL KILLINGSWORTH, Director, Planning Dept.
- KRISTEN REED, Chief, Community Planning Div.
- SUSAN KELLY, Planning and Development Dept.
- HELENA PAROLA, Planning and Development Dept.
- CHRIS SCHOENIG, Planning and Development Dept.
- KEALEY WEST, Office of General Counsel.

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1 Planning Department.
 2 W/G MEMBER CHATTERJEE: Chiradip
 3 Chatterjee, University of North Florida.
 4 W/G MEMBER LORETTA: Joseph Loretta,
 5 Genesis Halff.
 6 THE CHAIRWOMAN: Let's go over here.
 7 MR. SCHOENIG: Chris Schoenig, Planning
 8 and Development.
 9 THE CHAIRWOMAN: Emily Pierce, Rogers
 10 Towers.
 11 W/G MEMBER TAPPOUNI: Michelle Tappouni.
 12 W/G MEMBER MARTIN: Jeff Martin,
 13 Jacksonville University.
 14 W/G MEMBER OLSEN: Erik Olsen, Olsen
 15 Associates.
 16 W/G MEMBER GALNOR: Matt Galnor, Jax
 17 Chamber.
 18 MS. WEST: Kealey West, Office of General
 19 Counsel.
 20 THE CHAIRWOMAN: All right. We'll come to
 21 you guys in just a minute.
 22 Has everybody had a chance to look at the
 23 May 31st minutes? They are attached to the
 24 stack in front of you.
 25 W/G MEMBER TAPPOUNI: I move to approve.
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1 P R O C E E D I N G S

June 24, 2019 9:00 a.m.

2 - - -
 3 THE CHAIRWOMAN: All right. We're going
 4 to get started.
 5 You'll notice that it's very warm in here
 6 because we have no air. So if you get too hot,
 7 if you're -- particularly if you're sitting on
 8 this side (indicating), feel free, we can move
 9 chairs around, we'll make accommodations to try
 10 and keep people out of the sun. And we're also
 11 actually going to make this meeting a little
 12 bit short because, you'll hear at the end,
 13 we've got a bunch of stuff coming up. We've
 14 got three more meetings after this and we're
 15 going to be doing some serious work in those
 16 three meetings.
 17 All right. First, let's start with going
 18 around the room and having everybody introduce
 19 themselves.
 20 Let's start with Susan.
 21 MS. KELLY: Susan Kelly, Planning
 22 Department.
 23 MS. REED: Kristen Reed, Planning
 24 Department.
 25 MR. KILLINGSWORTH: Bill Killingsworth,
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1 THE CHAIRWOMAN: Does anybody have any --
 2 W/G MEMBER LORETTA: Second.
 3 THE CHAIRWOMAN: -- changes?
 4 W/G MEMBER MARTIN: I second.
 5 THE CHAIRWOMAN: Any comments, questions?
 6 W/G MEMBERS: (No response.)
 7 THE CHAIRWOMAN: All right. Can I see a
 8 show of hands to approve the minutes?
 9 W/G MEMBERS: (Comply.)
 10 THE CHAIRWOMAN: It's unanimous. Okay.
 11 Staff, did we have any key findings back
 12 from May 31st that you need to go through?
 13 MS. KELLY: Yeah. I'll just mention a
 14 couple of things so that they're top of mind.
 15 The Work Group expressed interest in
 16 recommending that the City perform a study or
 17 an analysis to investigate and collect data on
 18 the impact of Hurricane Irma.
 19 There was also agreement that new flood
 20 maps are not accurate for Jacksonville's
 21 riverine system, and they essentially become
 22 less accurate as we move inland from the
 23 Atlantic Coast, particularly west of the
 24 Mathews Bridge.
 25 The group wanted to make sure to consider
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1 the impacts to property owners within the AAA
2 boundary.

3 Also, the Work Group wanted to consider a
4 more conservative boundary for the AAA in order
5 to anticipate future conditions.

6 And the Work Group voted on two specific
7 things. They voted to approve -- or excuse
8 me -- that the AAA boundary should be defined
9 as, or take into consideration, the greater of
10 the Cat 3 storm surge area or the FEMA 500-year
11 floodplain as shown on the maps and implement
12 adaptation strategies commensurate with storm
13 and flood risks.

14 And they also voted to approve to update
15 the Adaptation Action Area for sea level rise
16 and infrastructure vulnerability assessments
17 every five years so that decisions regarding
18 adaptation planning and investments can be
19 based on the best available data.

20 THE CHAIRWOMAN: Awesome. And where are
21 we on the -- were you able to find anything on
22 Hurricane Irma or are you still working on
23 that?

24 MS. KELLY: We have all that we're going
25 to be able to get without hiring a consultant
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1 or somehow --

2 THE CHAIRWOMAN: So that will be future
3 work outside of the Department?

4 MS. KELLY: Yes.

5 THE CHAIRWOMAN: Okay. Thank you.

6 All right. We're going to discuss
7 emergency preparedness today. And we have Noah
8 Ray with us from the Emergency Preparedness
9 Division, and I'm going let Noah introduce
10 himself to you.

11 MR. RAY: Hey. Good morning, everyone.
12 My name is Noah Ray. I'm from the City of
13 Jacksonville Emergency Preparedness Division.
14 It's a division within the fire department.
15 And through ordinance, we have oversight of a
16 few different things, primarily addressing
17 emergency management in the county, also
18 special events, things like that.

19 Also here are director and deputy
20 director, Director Woodard and Deputy Director
21 Todd Smith, in case there are any questions.

22 So we were asked to provide a brief
23 overview of the Local Mitigation Strategy, also
24 known as LMS. I'll probably say "LMS"
25 throughout the presentation.

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1 So what is it? It's a plan. It's a
2 collection of goals and objectives from
3 stakeholders within the City. It's a process.
4 So I'll go through just a little bit.

5 And we use FEMA's definition of
6 "mitigation" to kind of guide our actions
7 because a lot of things that we're doing are
8 tied in through federal funding or federal
9 regulations. And they define "mitigation" as
10 the effort to reduce the loss of life and
11 property by lessening the impact of disasters.

12 So there's quite a few ways that we can,
13 you know, go about doing that through planning
14 and through also physical action. Here's a few
15 ways to directly address hazards. Easiest
16 probably to visualize would be with flooding
17 because you can control where the water goes.

18 So there's a few different methods here
19 that I've just listed as an example of
20 flood-prone properties. We can address those
21 directly through a number of means; elevation,
22 acquisition, demolition, drainage improvements,
23 defensible space. That might apply more so to
24 wildfires. You might hear about that in some
25 public messaging campaigns about creating

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1 defensible space around your house. Stormwater
2 retention ponds and basins.

3 Essentially ways to address the way the
4 disaster is actually going to impact you
5 directly, change where it goes, change how it
6 affects us.

7 Also, if we can't avoid it, we can change
8 the outcome in a lot of circumstances.
9 Insurance is one way to do that by, you know,
10 kind of spreading your financial risk around.
11 Planning and coordination, infrastructure
12 improvements, evacuation planning. Changing
13 who's actually going to be there if we do have
14 a hurricane, for instance.

15 You know, some direct examples; structural
16 hardening; structural elevation; property
17 acquisition and demolition, as I mentioned
18 earlier; zoning/construction requirements.

19 There's actually a picture here of one of
20 our newer fire stations. We've done a lot of
21 different types of mitigation activities,
22 including extreme hardening against wind. It's
23 kind of -- it's right on the river, so the
24 windows are very wind resistant. It's on an
25 elevation where it's not -- supposedly it's not

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1 going to flood. It hasn't flooded yet, so --
2 W/G MEMBER LORETTA: Is that the one on
3 Heckscher?

4 MR. RAY: Yes, sir.

5 Something I'd like to bring up, this is a
6 study that's conducted every few years by the
7 National Institute of Building Sciences. In
8 2018, they did find that for every dollar
9 invested in mitigation by local, state and
10 federal agencies, it saves \$6 in the long run
11 from things such as insurance claims and direct
12 damage. And all that funding is -- that they
13 look at pretty much is all trickling down from
14 FEMA. There's some other programs in there.

15 And if you're interested in the actual
16 study, I do have it posted on our website at
17 COJ.net/mitigation. There's some resources
18 that are there just for the general public or
19 also for any stakeholders that are interested.

20 There's three main programs that FEMA
21 funds that deal with mitigation. They provide
22 the majority, by and large, of mitigation
23 funding for localities. There's a
24 predisaster -- there's two types, really.
25 There's predisaster funding and post-disaster.

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1 So the predisaster programs are predisaster
2 mitigation and flood mitigation assistance.
3 Those are appropriated every year through
4 Congress. You know, a certain amount of
5 funding every year, you can apply for those.

6 There's another program that has a
7 mitigation grant program, which is a
8 post-disaster grant program, which gets funded
9 based on a percentage of the total damage
10 estimate for a particular federally declared
11 national -- or natural disaster.

12 So we've gotten funding through all these
13 over the years, a variety of grant projects
14 that have been funded. Recently, we got about
15 18 million allocated for Duval County through
16 the Hazard Mitigation Grant Program, just going
17 towards a variety of projects.

18 So the actual plan itself, the Local
19 Mitigation Strategy, this is required for every
20 county in Florida. And there's a few different
21 federal ordinances and also state codes that
22 basically define what should be in the strategy
23 and what it should address; U.S. Code of
24 Federal Regulations, a Florida State Statute.

25 That's what it looks like (indicating).

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1 We're currently in the middle of revising it.
2 It's a five-year plan. So every five years
3 we'll create a new plan. It's also posted
4 online. There's the link, COJ.net/mitigation.

5 Just a brief overview of what FEMA
6 considers for mitigation plans. It's a
7 representation of the jurisdiction's commitment
8 to reduce risks, and also it provides the basis
9 for technical assistance and to prioritize
10 project funding. So it's not all about the
11 funding, but that is, obviously, a huge way we
12 can address risks is through federal funding
13 for grants.

14 And it is required. Maintaining the plan
15 is required to receive those grant programs
16 that I mentioned earlier. So we have to have
17 the plan in order to get the funding, which is
18 not the most important thing, obviously.
19 It's -- you know, it's our commitment overall,
20 but getting the funding is very important.

21 Here's just pictures of some mitigation
22 projects in town (indicating). JEA is very
23 good about trying to harden their pump stations
24 and other -- you know, everything that's tied
25 into their infrastructure. Reduce the risk of

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1 flooding and also have generators attached so
2 if the power goes out they can change the
3 generating power on their pump stations.

4 And this is a picture of Huguenot Road
5 after Irma, actually. We're exploring some
6 different ways to mitigate future damage out
7 there to that road. It's very vulnerable to
8 erosion. And the storm surge from Irma
9 basically just washed away half the road. So
10 we're looking at some things like moving the
11 road or, you know, using a different material,
12 things like that.

13 So the process is overseen locally by the
14 Duval County Local Mitigation Strategy Advisory
15 Committee, and we shortened that to Duval
16 Prepares because it's a mouthful. So Duval
17 Prepares meets quarterly. We meet -- usually
18 we meet, actually, in City Hall, first floor.
19 There's probably around 60 members that are --
20 you know, cycle through there quarterly, to
21 basically, you know, suggest any changes to the
22 plan, provide any other information needed.

23 And then any changes to the plan,
24 including the addition or removal of projects
25 themselves, are ratified by the Security and

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1 Emergency Preparedness Planning Council. So
2 that's defined in our -- the ordinance that
3 addresses emergency preparedness in the county.
4 And they deal with a large number of things,
5 one of them being to accept or revise any of
6 our emergency preparedness, emergency
7 management plans.

8 So the purpose -- and this is from the
9 plan itself -- is to identify the hazards
10 threatening the city; define the
11 vulnerabilities, which would be not just
12 economic but any other type of, you know,
13 vulnerability we find; and then estimate the
14 risks these hazards pose.

15 This year we're trying to go a little bit
16 more of a direct route with our -- our
17 (inaudible) and actually look at simulations of
18 disasters in town and really down to the -- the
19 building level, number of buildings even that
20 might be impacted. We're trying to get pretty
21 intense this year. You know, it's -- we've got
22 a lot of data from the past few years for some
23 of these hazards, including hurricanes,
24 unfortunately. So we're trying to capitalize
25 on that.

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1 It also identifies existing policies in
2 the county and sort of aggregates them,
3 different ordinances, administrative codes,
4 additional comprehensive plans, and
5 preparedness plans.

6 I should also mention, this is for Duval
7 County as a whole, so it does include the
8 beaches, municipalities. They're involved in
9 this process.

10 Currently, there's 139 mitigation projects
11 that are listed. Most of them address wind and
12 flooding, which were determined to be our two
13 most -- we're most vulnerable to those two
14 hazards.

15 There's one -- sort of a large project
16 that we're actually -- we've been awarded
17 recently. It's a large-scale acquisition and
18 demolition project. You may have heard about
19 it in the news recently or through other
20 happenings in the city. It's in South Shores,
21 in the Reed subdivision area, on the Southbank.

22 So we have identified basically 41
23 properties that were flooded during Irma that
24 the homeowners wish to pursue acquisition of
25 their property and subsequent demolition.

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1 Here's a picture here of basically -- this
2 is the road right here (indicating), South
3 Hampton. This is coming off -- right over --
4 if you get off on Atlantic, right before it
5 takes a left and goes down into San Marco and
6 the -- Interstate 95 is actually over here,
7 just -- they had a big project to raise it up
8 and add more lanes recently.

9 So that's Interstate 95. On this project
10 it's going to be right here (indicating), and
11 that's the road. That's a little bit southwest
12 of there.

13 So the flooding basically came through
14 from this small tributary of the St. Johns and
15 made it all the way up here to where Interstate
16 95 is. We performed a lot of water rescues.
17 The fire department sent a lot of boats out to
18 pull people out of their houses, essentially,
19 all throughout the neighborhood.

20 The current plan expires in 2020. Like I
21 mentioned earlier, we're actually in the middle
22 of revising it. We're in a pretty deep dive
23 into it. The Risk Assessment Subcommittee has
24 been tasked with that actual revision. So
25 we've been meeting just about every two weeks

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1 this year.

2 The natural hazards that we addressed in
3 the previous plan include tropical cyclones,
4 flooding, wild fire, thunderstorms, extreme
5 temperatures and drought. And thunderstorms
6 also include hail and tornadoes.

7 And we have proposed to include some
8 additional hazards this year for further
9 analysis and also, like I mentioned earlier, to
10 possibly get some grant funding to address
11 these things.

12 (Ms. Parola enters the proceedings.)

13 MR. RAY: Climate change, which would
14 include sea level rise and also mass migration
15 as a component of climate change, and
16 environmental degradation, erosion and salt
17 water intrusion. And we're also going to look
18 at land subsidence, also known as sink holes or
19 other cave-ins, things like that.

20 One thing I did want to mention, every
21 year the City, the Emergency Preparedness
22 Division, does produce this preparedness guide.
23 This year we're going to directly mail this to
24 everybody in Jacksonville that has a mailing
25 address. So it's about 417,000 people.

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1 We did put some mitigation information
2 inside and we also have a survey that we've --
3 as part of the Risk Assessment Subcommittee's
4 public outreach strategy, we devised this
5 survey. It's basically trying to determine the
6 public perception of what hazards we're
7 vulnerable to, and also use it as a basis to
8 devise some other strategies and projects to
9 address those hazards.
10 This will be in that -- in that document
11 that we're sending out (indicating). So
12 everyone's going to get it. So we could get up
13 to -- if everyone answers, 417,000 responses.
14 I don't think we'll get that many, but we've
15 already got at least a hundred that I've seen
16 as of last week. So we can definitely share
17 that information if you guys would be
18 interested, you know, whatever the outcome may
19 be.
20 And we do have, in addition, this year,
21 just -- I'll mention that we do have a Spanish
22 language version of that document.
23 I believe that's all I had, unless there's
24 any questions.
25 THE CHAIRWOMAN: Let's go around for
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1 questions. I'm sure there are some.
2 Michelle.
3 W/G MEMBER TAPPOUNI: Thank you for your
4 presentation.
5 The Mitigation Strategy Advisory Committee
6 and the Risk Assessment Subcommittee, are those
7 two separate bodies?
8 MR. RAY: Correct.
9 The Risk Assessment Subcommittee is a
10 smaller group of people that have volunteered
11 to, you know, give additional time to the
12 efforts. Instead of meeting quarterly, we've
13 been meeting about every two weeks. So they
14 just have a little more time and interest, and
15 it's all voluntary. So those who are
16 interested signed up to do it.
17 THE CHAIRWOMAN: Thank you.
18 W/G MEMBER TAPPOUNI: Thank you.
19 THE CHAIRWOMAN: Erik.
20 W/G MEMBER OLSEN: In the LMS, do you have
21 any capability of documenting disasters, such
22 as -- it appears that no one documented the
23 spatial limits of flooding during Hurricane
24 Irma, which is of interest to this group.
25 MR. RAY: Correct.
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1 W/G MEMBER OLSEN: It would be nice if,
2 for example, your group had that capability, or
3 you could actually do it probably even by drone
4 to quantify --
5 MR. RAY: Right.
6 W/G MEMBER OLSEN: -- because all we have
7 right now are Florida Times-Union pictures.
8 MR. RAY: Yeah, that's something we've run
9 into ourself, looking for that data. We have
10 some rough estimates that were provided by the
11 Weather Service, but they made it out a few
12 days after the storm. So they were able to see
13 water levels within some areas.
14 Actually, I came one time before and I
15 believe Al mentioned that he would get that
16 data to you all. I don't know if he did. And
17 that's -- you know, as he also mentioned,
18 that's not going to be comprehensive for the
19 whole county. That's just where the few people
20 that they had observed -- and you're absolutely
21 right, that's something that we would also like
22 to know, the exact boundary of Irma.
23 I think over time, as you mentioned,
24 certain technologies, like drones, will assist
25 us in that endeavor, but currently we don't
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1 have that exact data. But it is something we
2 could include, actually --
3 W/G MEMBER OLSEN: Yeah. It seems like a
4 capability that would fall within your purview.
5 MR. RAY: Yeah, definitely.
6 MR. WOODARD: If I could, Steve Woodard
7 again.
8 We do use the Weather Service data. They
9 did go out, post storm, and do a lot of surveys
10 that -- based on what they found, really does
11 match up well, and verified the modeling for
12 the surge for that level of storm, but we
13 always remind people, every storm is different
14 and the impacts are going to be different,
15 depending upon the winds and the surge and the
16 tides, and all those factors will impact where
17 we see water.
18 But we look at those models that the
19 Weather Service, who is the official source we
20 recognize for that -- they also did some
21 satellite imagery, post storm, that doesn't
22 necessarily show you where the flooding is, but
23 it shows you where the damage is, and I suspect
24 there's a high correlation between those two
25 things. So there are some resources that we
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1 have that we could certainly share with you if
2 you wanted those.

3 W/G MEMBER OLSEN: Yeah. They were
4 provided to us. But, again, they're -- they're
5 quite limited. They're post-storm spot
6 elevations, which are instructional but not
7 comprehensive.

8 THE CHAIRWOMAN: Joe.

9 W/G MEMBER LORETTA: So you mentioned
10 three different federal funds. One was like
11 the Flood Mitigation Assistance Program, which
12 is something that you're able to get federally,
13 before a disaster occurs, if I understood.

14 MR. RAY: Yes, sir.

15 W/G MEMBER LORETTA: You mentioned
16 \$18 million maybe last year. Is that -- okay.
17 So my questions are, you know, how much is out
18 there federally? I mean, \$18 million isn't
19 going to go very far. And, I mean, is there --
20 you know, how many billions of dollars is out
21 there federally that is in that fund that we
22 could try to tap?

23 You know, one of my recommendations -- it
24 almost seems to be -- it's like, if I'm not
25 mistaken, you guys are probably the number one
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1 thing in Duval County that's maybe working
2 towards assisting with future mitigation
3 assistance at this point; is that -- I mean, it
4 almost seems like you're doing more than Public
5 Works, or am I -- is that right or --

6 MR. RAY: Yeah. So we are tasked with
7 coordinating it. And the way it works, the
8 State Emergency Management office, Florida
9 Division of Emergency Management actually
10 administers those grants, and their process is
11 they go through the county Emergency Management
12 Agencies to administer the funds. So we do
13 have oversight over the whole process,
14 basically.

15 And we do -- we coordinate with Public
16 Works as much as we can, and they do provide us
17 with a lot of projects and assistance
18 throughout the, you know, gathering data
19 process and everything, but we do have
20 oversight of those grants in Duval County.

21 W/G MEMBER LORETTA: But there's no real
22 way to get 200 million, or would there be? You
23 know, what --

24 MR. SMITH: Todd Smith.
25 Specifically for your question, a disaster
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1 has a cost. And let's say that's, for, you
2 know, round numbers, \$100 million. There's a
3 percentage of that that's going to be dedicated
4 to Hazard Mitigation Grant Program monies, then
5 that money -- those monies are divided amongst
6 the counties, and then there's tiers of the
7 county. So when you take the \$100 million,
8 then you cut it across the state, and then you
9 divide it up in tiers, then you end up with
10 what we asked for, was a substantial amount
11 compared to some of the other counties.

12 So there may or may not be some larger or
13 other pockets to get into, but this -- this
14 money was specifically out of hurricane
15 disasters. So Matthew had HMGP money, Irma has
16 HMGP money as well, but we don't know -- we
17 have not, you know, found the other ones that
18 would be --

19 But I do want to echo what Noah just said.
20 With Public Works, they have worked to -- you
21 know, for pump stations as well, and worked to
22 make sure that there's backup generators and
23 such and -- and, you know, as well as making
24 sure red lights work during a disaster. So
25 there's a lot of cooperation and coordination
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1 that goes with both our divisions and
2 departments.

3 THE CHAIRWOMAN: Bill.

4 MR. KILLINGSWORTH: So the money is
5 appropriated per disaster or is there -- so the
6 predisaster mitigation is to mitigate against
7 similar impacts from that -- from that
8 disaster. It's not proactive in that they
9 allocate money to the pre-mitigation work in
10 general --

11 MR. WOODARD: Right. In some ways they do
12 both.

13 There are a lot of dollars out there at
14 the federal level. And I don't know how long
15 that's going to be the case, but we see it
16 currently.

17 Any disaster in the state of Florida will
18 likely result in those dollars being made
19 available. And what we're -- so it may not be
20 a big number, but when you add it all up there
21 is a funding stream there that I think can be
22 tapped into.

23 Footnote. Generally, they require a
24 25 percent match, which means that a lot of the
25 counties that are impacted around the state and
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1 probably are impacted harder, more so than --
2 in some instances, than we are -- and I'll take
3 Michael as an example, but -- impacted the
4 Panhandle. Those dollars will be available for
5 the entire state.

6 What we're finding is a lot of the
7 counties who were directly impacted can't make
8 the match, which means other people around the
9 state could tap into those dollars. There are
10 some funding streams that are there, there are
11 Community Development Block Grants for disaster
12 related damages and mitigation projects, but
13 there are a lot of resources, and we have an
14 office in the city now that does work largely
15 for grants, and we should probably tap into
16 those.

17 If there are projects or ideas that you
18 have that you feel are worthwhile that we could
19 recommend, you know, they look at -- or look
20 out for dollars that are available at the
21 federal level.

22 THE CHAIRWOMAN: Bill.

23 MR. KILLINGSWORTH: And that -- so when
24 people see the big money amount, that's
25 typically long-term recovery money. It's not

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1 the direct impact -- it's not FEMA money. That
2 money is coming from HUD.

3 MR. WOODARD: Correct.

4 MR. KILLINGSWORTH: And then it gets
5 distributed through whoever -- if they're
6 entitlement communities, whoever is managing
7 the CDBG program. If they're not, then it's
8 managed through the State.

9 MR. WOODARD: I'll look at Hurricane Sandy
10 as an example. You know, that was a
11 \$120 billion storm. So if you do the
12 percentage, if it's only 1 percent mitigation
13 dollars, a lot of money is available, but we
14 need to really keep our eyes open for disasters
15 anywhere in Florida where those dollars are
16 available, post incident.

17 THE CHAIRWOMAN: Joe.

18 W/G MEMBER LORETTA: How do you guys --
19 how do you all get your funding? What division
20 are you under and so forth?

21 MR. WOODARD: Our budget is under Fire and
22 Rescue, but we also receive grants, federal
23 funding through the State that provides for
24 many of the programs and resources that we
25 utilize.

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1 W/G MEMBER LORETTA: And are you guys
2 understaffed or --

3 MR. WOODARD: We have 13 people and we get
4 the job done adequately. If we have an
5 incident, we surge, and, as you know, the
6 entire City government is reorganized. We open
7 up and activate the Emergency Operations
8 Center. And we have, around the clock, 200 to
9 250 people working with Public Works and JSO
10 and JFRD and any other -- we work with
11 libraries and neighborhoods, and all of the
12 City employees get involved.

13 W/G MEMBER LORETTA: I guess -- if I could
14 ask one last question. I mean, my only -- my
15 wonder is, is there a way that a new employee
16 could be brought in to focus primarily on
17 looking for federal funds? You know -- and so
18 forth. I mean, is that -- it seems like that
19 could almost be a recommendation. I don't
20 know.

21 MR. WOODARD: We have one person, Captain
22 Jesse Modican, who works at grants not only for
23 us, but for JFRD and for the City, and we are
24 successful in bringing in about \$20 million a
25 year in federal grants, just through our office

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1 alone.

2 MR. RAY: Not including the mitigation
3 projects.

4 MR. WOODARD: Correct. The ones that
5 are --
6 (Simultaneous speaking.)

7 MR. RAY: (Inaudible) --

8 MR. WOODARD: South Hampton, that's a --
9 ended up being a total event, probably
10 \$11 million to acquire not only the properties
11 he showed you here in -- what actually is
12 Phase II of that program. But Phase III will
13 likely add another 20, 22 properties in that
14 neighborhood.

15 MR. RAY: In addition, the -- not the
16 post-disaster but the predisaster grants that
17 are available every year, I believe last year
18 there was about 650 million available
19 nationwide. There was a max cap for each
20 project, but -- I believe 1.5 million. It's
21 very competitive. We did submit a few
22 projects. But planning projects, including
23 studies, are sometimes eligible, depending on
24 their scope, for everyone's information.

25 THE CHAIRWOMAN: Matt.

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1 W/G MEMBER GALNOR: I was just going to
2 ask, the 20 million that you're talking about,
3 do we know how that compares with the rest of
4 the state?

5 MR. WOODARD: I suspect we're probably in
6 the top 5 percent.

7 MR. RAY: Yeah. There is actually a list
8 that they publish of all of the allocations by
9 county, and I believe for Irma we were towards
10 the top. Some of the counties in South
11 Florida, obviously, were hit a lot harder, but
12 it's based on a percentage of your total damage
13 estimate. So some counties got up to, I
14 believe, 40 million allocated.

15 Now, for Michael, which hit the Panhandle,
16 they're supposed to release a notice of funding
17 within 90 days of the disaster, but they still
18 haven't even finalized their damage estimates,
19 so we don't have a notice of funding yet, but
20 if it's -- it will probably be substantial, and
21 we would be eligible, as the director mentioned
22 earlier, for some funding as a Tier 3 county,
23 competing with the rest of the state,
24 essentially, but there should be a lot of money
25 that we don't think that counties in the

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1 Panhandle can provide the match for.

2 MR. WOODARD: For discussion, oftentimes
3 that is a big driver. It -- what we find is
4 some of the smaller counties rely upon the
5 grant dollars to run their entire program. And
6 I hate to run a program just off of grant
7 dollars that you don't know from year to year
8 what you're going to get, but we do leverage
9 any available funding and we -- we do have
10 someone full-time who does monitor the grants
11 and is always looking for those dollars.

12 THE CHAIRWOMAN: Kristen.

13 MS. REED: One question is, in order to
14 get funding, those projects already have to be
15 in the HMGP and prioritize; is that correct?

16 MR. WOODARD: Yeah. Part of the work that
17 these groups do is to -- and it really is
18 important for departments within the City or
19 working with the beaches to present us with
20 mitigation projects. We obviously go out and
21 look for some opportunities, but those all come
22 to the committee for review and they're ranked.
23 So you have to have that rank ordering for the
24 State to allow those projects to be part of the
25 program and available.

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1 MR. RAY: And that is for the
2 post-disaster funding that has a mitigation
3 grant.

4 MR. WOODARD: It doesn't necessarily have
5 to be included for pre-disaster or flood
6 mitigation.

7 How many projects have we --
8 (Simultaneous speaking.)

9 MR. RAY: It's --

10 MR. WOODARD: -- (inaudible) several
11 hundred --

12 MR. RAY: It's 139 currently.

13 And we're -- we're in the middle of -- as
14 with the entire document, we're going through
15 and looking at those line by line, seeing if we
16 need a change or --

17 MR. WOODARD: And some of those are
18 drainage or, you know, hardening of the
19 infrastructure. You mentioned JEA and their
20 lift station --

21 MR. RAY: Yeah. There's some public
22 education projects in there, things like that,
23 as well.

24 THE CHAIRWOMAN: So can you go back real
25 quick to the slide that is the subcommittee

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1 that had the circles on it?

2 MR. RAY: (Complies.)

3 THE CHAIRWOMAN: There you go.

4 So on this committee, who sits in for land
5 use?

6 MS. KELLY: (Indicating.)

7 THE CHAIRWOMAN: Susan Kelly.

8 Okay. I just wanted to make sure that we
9 had representation there. I was hoping that it
10 was somebody that's here at these meetings.

11 MR. WOODARD: And I will openly invite any
12 of you who would like to attend any of these
13 meetings, please contact us.

14 THE CHAIRWOMAN: Kristen.

15 MS. REED: I have one more question.

16 So in the LMS, and you talk about
17 flooding, what boundary, model or methodology
18 do you use? Is it FEMA flood zones? Is it the
19 2015 versus the update that you're doing --
20 changing? And is that a regulatory
21 requirement, the boundaries you use?

22 MR. RAY: It is required that -- for two
23 of these programs, predisaster and flood
24 mitigation assistance, that the properties be
25 located in the special flood hazard area.

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1 MS. REED: Hundred year?
2 MR. RAY: So we do -- yes, ma'am. We do
3 use FEMA's boundary there, but it's -- for the
4 purpose of grant funding, but we're -- we're
5 looking at any type of flood risk, fresh water
6 flooding or -- et cetera. Storm surge, which
7 might not be included in that boundary, so --
8 we can work with any flood-prone property, but
9 for the purpose of the grants, we do look
10 specifically at that special flood hazard area.

11 MR. WOODARD: And, in fact, the City has
12 been active particularly in the flood
13 mitigation program through the -- through the
14 federal flood insurance program, not only
15 residential properties, but I believe we were
16 the first to ever identify a commercial
17 property with -- it was a fish camp down off of
18 Julington creek, the restaurant down there.
19 But one of the things that we found is
20 that, at least pre- -- well, in the last ten
21 years, they were using the 1929 NAVD, North
22 American Vertical Datum, instead of the 1988.
23 So what we have found is that some of those
24 properties that were part of that program early
25 on, they're still seeing flooding, which -- you

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1 don't want to see that.
2 THE CHAIRWOMAN: Susan.
3 MS. KELLY: So this group is looking at
4 essentially long-range planning. What do you
5 see sort of going forward that we need to
6 consider or know about based on what you see in
7 the past -- I don't know. I feel like there's
8 been a lot of activity within the last three
9 years, or -- or based on the experience and
10 information that you guys have moving forward,
11 how could we -- how could (inaudible) us --

12 MR. WOODARD: I like your planning
13 assumptions. You know, what you're looking at,
14 I think, is 2 feet of -- so 2 more feet of
15 water is the best way of explaining it, in the
16 next 40 or 50 years. If I -- when I've looked
17 at other municipalities -- and Charleston,
18 South Carolina is a really good one. They've
19 done some great work in this area and have some
20 really good documents that may serve as a
21 template for you. That's exactly what they're
22 using. Their gauge is in the Ashley River over
23 in Charleston, and have shown -- I think it's
24 about a foot and a half of rise in the last
25 hundred years. I'm not sure what that means

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1 scientifically for us, but, you know, there's a
2 trend line there that's going up, obviously,
3 and I think it's a good number that you've
4 chosen for your planning assumptions.

5 We live in an area that is low country for
6 a lot of the county, particularly in the
7 northeast quadrant. And figuring out how to
8 manage that change and do it in a way that
9 still allows us to have vibrant economic
10 activity and areas and working with
11 organizations, getting other stakeholders
12 involved, making sure that we're protecting the
13 people who live here and neighborhoods, looking
14 at critical infrastructure for the city, and
15 looking at infrastructure and resources that
16 help protect us; wetlands and barrier islands
17 and all of those features that are things that
18 are so important as we look at the possibility
19 of the water getting higher, but what's going
20 to --

21 I caution you, every storm is different.
22 We're seeing impacts. It was a good example
23 with Matthew that impacted the oceanfront more
24 so than the river, but then Irma, which was the
25 opposite, and impacted the St. Johns River and

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1 low-lying areas and the other tributaries,
2 Trout River and such, more so than out at the
3 oceanfront.

4 So we need to remember that we do have a
5 lot of water, I think, over -- probably
6 150 square miles of waterways in the county.
7 And areas in a storm, particularly with a
8 significant surge, would probably see water far
9 into the western parts of the county that --
10 people that have never seen water before.

11 You have to remember the last hurricane
12 force winds were not Irma or Matthew for
13 Jacksonville. It was Dora in 1964. So that's
14 bad news for people, but as we all have been
15 going around doing pub ed this year -- we
16 haven't seen a hurricane, most of the people
17 who live here, unless they lived here in 1964.

18 So water in places that people do not
19 expect to see -- I think you're on track. I do
20 recommend those Charleston initiatives to you
21 as something -- they're a group just like this.
22 They've been meeting out there for a couple of
23 years. They have some really good products.

24 MR. RAY: Yeah. And I would just echo,
25 inter-agency coordination is going to be key

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1 going forward. There's so many different
 2 avenues we could take to address it, a lot of
 3 different stakeholders. So just continuing to
 4 coordinate between the agencies. And I'm
 5 always here as a resource, as is anyone else in
 6 Emergency Preparedness if needed.
 7 THE CHAIRWOMAN: Joe.
 8 W/G MEMBER LORETTA: How many times did
 9 the South Hampton development, that you guys
 10 are purchasing lots out of, how many times did
 11 they flood?
 12 MR. RAY: They experience nuisance
 13 flooding almost on a weekly basis. Some of the
 14 properties flood more consistently than others.
 15 No one that has lived there for a long time
 16 remembers a flood like Irma. So that might
 17 have been the first time they had that major
 18 storm surge. During Matthew, it flooded a
 19 little bit as well.
 20 But they have -- I've been out there, you
 21 know, probably a hundred times now, just going
 22 and visiting the residents. Their yards
 23 constantly are inundated with water.
 24 Streets -- it's pretty bad. So it doesn't
 25 always rise to the level that we saw during
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1 Irma, but over time they've been flooded --
 2 quite a few different instances of flooding.
 3 THE CHAIRWOMAN: So what kind of analysis
 4 did you, as a group, go through in determining
 5 the best answer to that problem was to purchase
 6 the property and move them versus hardening and
 7 raising or rebuilding? What process did you go
 8 through?
 9 MR. SMITH: So South Hampton was a -- was
 10 initially brought to us as a public safety
 11 issue. So fire trucks, the ambulances can't
 12 get into the neighborhoods. And that
 13 particular area would be -- to raise all the
 14 roads -- once you raise all the houses, all
 15 you've done is put everybody on an island on
 16 sticks. And so raising all of those streets,
 17 raising all of the infrastructure from the
 18 streets and all of the drainage and all that,
 19 it was just cost prohibitive.
 20 THE CHAIRWOMAN: Thank you.
 21 MR. RAY: And it's -- it's considered by
 22 FEMA to be more cost effective, which helped
 23 their application, as opposed to elevation or
 24 other methods.
 25 THE CHAIRWOMAN: Okay. Jeff.
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1 W/G MEMBER MARTIN: I don't know where
 2 South Hampton is geographically.
 3 MR. SMITH: It's literally -- if you're
 4 driving down 95 -- actually, even better, if
 5 you're coming downtown on 95 and you kind of
 6 look right off the overpass, if you've gone on
 7 from Atlantic Boulevard, just before you get to
 8 where you can see Channel 4 or you go downtown
 9 and all that, it's the neighborhood just over
 10 the -- to the right.
 11 MR. RAY: It's right before Bishop Kenny.
 12 Bishop Kenny is about --
 13 (Simultaneous speaking.)
 14 W/G MEMBER LORETTA: It's between the --
 15 Bishop Kenny and the (inaudible) --
 16 MR. RAY: Correct.
 17 W/G MEMBER MARTIN: So that's South
 18 Hampton there?
 19 MR. SMITH: It's right here (indicating).
 20 MR. RAY: The main access road is
 21 Southampton Road. And then South Shores Road
 22 goes back here (indicating) along the river.
 23 MR. SMITH: And this is that tributary
 24 that no one has mentioned back here and back
 25 here (indicating). And so every one of these
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1 lines are the streets that are actually showing
 2 all the inundation. So the streets are holding
 3 the water.
 4 MR. RAY: It's swampy. It's very swampy.
 5 And it was -- it's a historical neighborhood.
 6 As we've learned, there were some famous
 7 architects in the '40s and '50s that developed
 8 some of these houses, but over time a lot of
 9 them now wouldn't even withstand some of the
 10 other mitigation activities, like elevation.
 11 MR. SMITH: Nothing is designated in that
 12 neighborhood as historic buildings, but --
 13 nothing is on the registry.
 14 THE CHAIRWOMAN: It's nice to see it falls
 15 within the maps that we're proposing into the
 16 AAA area.
 17 MR. RAY: Oh, is that what they are?
 18 THE CHAIRWOMAN: Yes.
 19 Any other questions?
 20 W/G MEMBERS: (No response.)
 21 MR. WOODARD: Thank you. And thank you
 22 for what you're doing. I think it's really
 23 important for the city. So we appreciate it.
 24 And we're certainly open to any of your
 25 comments, suggestions, or recommendations.
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1 And I'll leave a copy of one of the
 2 Charleston reports for you.
 3 THE CHAIRWOMAN: Fabulous. Thank you.
 4 MR. SMITH: It's available online as well.
 5 THE CHAIRWOMAN: Thank you very much for
 6 coming, all of you.
 7 MR. WOODARD: Thank you.
 8 MR. RAY: Thank you guys for having us.
 9 MR. WOODARD: This is climate change with
 10 the AC.
 11 THE CHAIRWOMAN: That's what we're
 12 experiencing, a little climate change in here.
 13 Okay. I was going to ask staff if you
 14 guys could get the Charleston initiatives, but
 15 they were just handed to us, which is fabulous.
 16 If you guys can not only put those on our
 17 website, but if you could actually e-mail
 18 copies out to the group --
 19 MR. KILLINGSWORTH: Yeah. We'll get the
 20 PDF and just e-mail it out.
 21 THE CHAIRWOMAN: Perfect. Thank you.
 22 That would be great.
 23 Based on that discussion, is there
 24 anything that anyone in this group would like
 25 to ask staff to get for us, any information, in
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1 addition to the Charleston initiative?
 2 W/G MEMBER OLSEN: I've got a question.
 3 There, obviously, are a lot of press
 4 releases these days. Do you want us to submit
 5 them if we see them or is that overload?
 6 THE CHAIRWOMAN: I don't see any harm in
 7 putting things on our website of additional
 8 information. I mean, our group is literally a
 9 gathering group and trying to help the Planning
 10 Department with big, broad strategies and
 11 guidelines. So I think the more information
 12 that we gather the better.
 13 W/G MEMBER OLSEN: Okay.
 14 THE CHAIRWOMAN: Jeff.
 15 W/G MEMBER MARTIN: I wasn't at the last
 16 meeting, so I'm not -- I've read the minutes,
 17 but I -- has anybody brought up the Center for
 18 Climate Integrity study that says Jacksonville
 19 will be the most expensive city in the country
 20 and in the state of Florida to prepare sea
 21 walls for, for future climate change?
 22 MS. KELLY: It's in the packet.
 23 THE CHAIRWOMAN: You're clairvoyant.
 24 MR. KILLINGSWORTH: It's in your packets.
 25 THE CHAIRWOMAN: It's in our packets.
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1 MS. KELLY: Yes. Through the Chair,
 2 Mr. Olsen submitted the article and the table,
 3 which printed separate, is behind it, so
 4 that's --
 5 W/G MEMBER MARTIN: Is that the article
 6 from WJCT --
 7 MS. KELLY: No.
 8 W/G MEMBER MARTIN: -- or is that the
 9 article from the New York Times or is that the
 10 article from --
 11 MS. KELLY: Erik can probably speak to --
 12 W/G MEMBER OLSEN: New York Times.
 13 W/G MEMBER MARTIN: The New York Times.
 14 And if you look up the website for the
 15 study group, the Center for Climate Integrity,
 16 it provides -- it says there's 632 miles of sea
 17 walls that have to be built. And while we're
 18 the most expensive city per capita, we're quite
 19 reasonable, \$4,000 per person, compared to
 20 other cities. They were as high as \$20,000 per
 21 person.
 22 THE CHAIRWOMAN: So if everybody could --
 23 attached with the information that you have in
 24 front of you is the New York Times article and
 25 a chart showing the total cost of adding sea
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1 walls and the cost per resident. If everybody
 2 could take a look at that before the next
 3 meeting. And if there's any information, in
 4 addition to that, that you think that we need,
 5 based on this article, you can certainly e-mail
 6 Susan or Helena or Kristen or Bill and ask that
 7 it be e-mailed out to us.
 8 Michelle.
 9 W/G MEMBER TAPPOUNI: So I'd like to
 10 explore -- and I know we can do some of this on
 11 our own, now that I know -- I don't believe I
 12 was aware of a Local Mitigation Strategy
 13 Advisory Committee or a Risk Assessment
 14 Subcommittee, and was wondering if there's
 15 information that they're working on or
 16 strategies they've already identified, that it
 17 would make sense to either incorporate them as
 18 a recommendation from this group -- again,
 19 maybe some of the wheels have already been
 20 invented and we need to figure out what the
 21 City may already be working on that we're not
 22 aware of as a group.
 23 THE CHAIRWOMAN: That's what I was
 24 thinking. Listening to their presentation, I
 25 thought, wow, they've made great progress and
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1 they're really in the weeds in this. How do we
2 fit with them, looking at a bigger policy
3 picture and making sure that we coordinate with
4 them and we don't duplicate what they're doing,
5 but we give the Planning Department what it
6 needs to coordinate with them and also to do
7 its own thing, if necessary.

8 Bill.

9 MR. KILLINGSWORTH: So ideally -- this is
10 my opinion. Ideally, you know, the Comp Plan
11 and the policies that we're asking you guys to
12 look at are dealing with a 50-year window. So
13 what the LMS deals with is a 5-year window, and
14 it's -- basically, what you'll see in it is a
15 list of hazards and a list of mitigation
16 strategies, and then a long list of capital
17 projects that need to be done.

18 So it's kind of a -- I don't want to
19 oversimplify it because it's more than that,
20 but in a lot of ways what it is is
21 justification for mitigation projects, and it's
22 a list of mitigation projects and how to fund
23 them.

24 So we do have some policies in the
25 Comprehensive Plan right now that deal with and
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1 support the LMS, but it would seem logical that
2 long term there would be some high level
3 policies that would ultimately drive some of
4 the 5-year steps that were in the LMS.

5 THE CHAIRWOMAN: All right.
6 Kristen.

7 MS. REED: Just to add on that, the LMS,
8 Susan is the liaison for the groups that work
9 on that, but it also incorporates goals,
10 objectives, and policies that are in the
11 Comprehensive Plan, into the Local Mitigation
12 Strategy report. So they acknowledge those and
13 try to comprehensively catch everyone's
14 programs and policies as they develop and
15 update the plan.

16 THE CHAIRWOMAN: So the things that we're
17 proposing, but could be adopted ultimately --

18 MR. KILLINGSWORTH: Would be incorporated
19 into the LMS.

20 THE CHAIRWOMAN: Got it.

21 Okay. We're going to move to -- next on
22 our agenda is a title -- it's called
23 Socioeconomic and Demographic Data to Consider.
24 We need to do some brainstorming. Just as a
25 quick overall, as all of you know, in the

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1 minutes and in the previous discussions, some
2 people have turned in already some
3 recommendations, which are fabulous.

4 One of the recommendations that we talked
5 about is that we need some demographics, some
6 socioeconomic information, data. They have put
7 up here -- there it is -- some data in order to
8 implement policies. But the Planning
9 Department needs some information from all of
10 us on what it is that they should be gathering.

11 If you look at the recommendations that
12 people already put in -- so one of the
13 recommendations was to gather data about
14 vulnerable populations, based upon income
15 levels, from areas in order to prevent
16 disparate impacts to economically challenged
17 areas of the city.

18 So I would recommend, since that was
19 already turned in by somebody, that that is one
20 of the things that we need -- that we suggest
21 the Planning Department get data on, is to
22 identify the vulnerable populations, one, by
23 income. I don't know if the city of
24 Jacksonville has age areas with elderly in
25 them. That would be certainly a group that --

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1 I don't know if we -- you know, I know in some
2 other cities, like Fernandina Beach and Nassau
3 County, they have pockets of elderly people. I
4 don't know if the city of Jacksonville does,
5 but I would also recommend that that be some
6 information that we -- that the Planning
7 Department gather.

8 Anybody else have some ideas of
9 demographic, socioeconomic information for --
10 Erik.

11 W/G MEMBER OLSEN: Question. But, I mean,
12 you're going to limit this to the CHHA, right?

13 MR. KILLINGSWORTH: It would be at the
14 boundary, whatever boundary you thought --

15 THE CHAIRWOMAN: To the boundaries of the
16 AAA. I mean, they can gather -- the
17 information may not be limited to the
18 boundaries of the AAA, but ultimately when it
19 goes into a policy it will be limited to what's
20 in the AAA.

21 W/G MEMBER OLSEN: Well, don't you, then,
22 have to relate that to the CHHA?

23 THE CHAIRWOMAN: No. We're looking at the
24 AAA, not the CHHA. Because we, as a group,
25 have decided that it's not just the CHHA. It's

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1 the 500 year -- it's the greater of --
2 W/G MEMBER OLSEN: Right, whatever you're
3 redefining it as.
4 THE CHAIRWOMAN: Right.
5 W/G MEMBER OLSEN: But it's not -- I mean,
6 you might find pockets of whatever the
7 parameter is in Northwest Jacksonville, but if
8 it's not in the zone, then --
9 THE CHAIRWOMAN: Right.
10 W/G MEMBER OLSEN: -- it falls out, right?
11 THE CHAIRWOMAN: Correct. It would fall
12 out. So however they get the information.
13 Yes.
14 W/G MEMBER CHATTERJEE: I said, like --
15 besides what you were asking in the beginning,
16 in terms of demographics that we need, I
17 believe you mentioned age and you said elderly
18 population, but I think it's also important
19 that we see what percentage of family is
20 children.
21 THE CHAIRWOMAN: Uh-huh.
22 One of the other recommendations that we
23 talked about was -- and I don't know -- it
24 probably comes under income level, but I don't
25 know, was the population of persons that are
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1 living within the AAA that likely don't have
2 their own transportation. That may fall within
3 income. It probably does, but I don't know.
4 The other thing that we talked about in
5 the past was -- which was interesting that
6 Emergency Preparedness just mentioned it -- was
7 historic residences, the number of historic
8 homes that fall within the AAA. That's
9 probably a demographic that we need to look at.
10 And in the San Marco area, that's probably
11 going to be potentially high, the Riverside
12 area.
13 Joe.
14 W/G MEMBER LORETTA: Maybe government or
15 HUD-related/owned properties, something of that
16 nature. It would be intriguing if there's a
17 300-unit HUD development in the middle of
18 something of this nature.
19 W/G MEMBER CHATTERJEE: In terms of
20 socioeconomic, I've seen studies in different
21 dimensions. So, for example, you've said
22 income. I have seen studies where they talk
23 about source of income. For example, you're
24 employed by someone, you are impacted
25 differently. I'm self-employed, I'm impacted
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1 differently. So, I mean, I don't know how much
2 can be done to have, like -- to have
3 information for all these households.
4 THE CHAIRWOMAN: I think it's just -- from
5 our perspective, it's providing -- and I don't
6 want to get into what we're going to talk about
7 next, but it's providing a list of suggestions
8 to the staff and then they -- the Planning
9 Department will then have to kind of weed
10 through that and decide what information is
11 available to them and truly relevant to what
12 we're talking about.
13 W/G MEMBER LORETTA: Like, for example, I
14 don't think they'll be able to find automobile
15 ownership in a part of the current GIS database
16 that they have. They may, but I find that
17 difficult to believe they will.
18 W/G MEMBER TAPPOUNI: Through the Chair --
19 THE CHAIRWOMAN: Michelle.
20 W/G MEMBER TAPPOUNI: -- I would suggest
21 that you could probably make some assumptions
22 based on where JTA is. They've done all this,
23 you know, rerouting, changing of bus lines to
24 have transportation available where it's being
25 utilized. So we might not be able to figure
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1 out if households have cars, but if JTA has,
2 you know, put more emphasis in certain areas, I
3 think there's some information that could come
4 from that, from ridership.
5 W/G MEMBER LORETTA: Yeah. I mean, but
6 it's all going to -- typically, it's going to
7 tie in together with income and property value
8 and age of home, so -- but long story short,
9 you know, we're requesting a list of things
10 that we can see. And if we can see it, great.
11 If not, so be it.
12 THE CHAIRWOMAN: And we have in our
13 recommendations -- and I'm kind of jumping
14 ahead of myself, but we have in the
15 recommendations things like looking at
16 essential services, hospitals, nursing homes,
17 those types of things. Those are actually --
18 already have been submitted as recommendations.
19 So those may or may not fall within
20 demographics and things, but we're definitely
21 going to be tying those into recommendations
22 ultimately to the Planning Department on
23 something we think should be in the Comp Plan,
24 which is encouraging those types of things to
25 not be built within the AAA, to identify those
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1 already built in the AAA, and to identify
2 potential mitigation strategies for any that
3 are within the AAA. So those are already in
4 our recommendations.
5 I'm going to jump ahead real quick and
6 give you my little spiel on this. So we have
7 received a number of recommendations. We've
8 got -- from within the group, they total about
9 two pages. Thank you very much to everybody
10 who has submitted them. If you haven't
11 submitted and still want to, feel free.
12 Additionally, as you know, the staff has
13 been compiling key findings from our previous
14 discussions. They've been our memory from all
15 of our past meetings for us, which has been
16 very nice. So they have provided to us this
17 basic framework, which -- it's attached to one
18 of the previous meetings.
19 W/G MEMBER LORETTA: May 29th.
20 THE CHAIRWOMAN: Thank you. To the May
21 29th meeting.
22 They provided a basic framework, which we
23 can use to start pairing down and refining our
24 recommendations. And since most of us don't
25 draft policies for a living, what I've asked
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1 the Planning Department to do -- and Susan was
2 kind enough to volunteer to do this -- is prior
3 to the next meeting on July 8th, to take all of
4 our recommendations -- some are very specific,
5 some are really, really broad -- take those key
6 findings and massage them and work them into
7 proposed policy statements and fit them within
8 that framework.
9 And our job isn't really to take these
10 recommendations and one by one wordsmith them.
11 Frankly, we're actually asking Susan to do that
12 for us. And our job isn't to draft necessarily
13 specific policies, but to, instead, convey
14 intent to the staff and then let them --
15 they're really going to draft the policies for
16 us, but then they're going to bring them back
17 to us to review.
18 So what Susan is going to do is take the
19 recommendations that we've written so far, put
20 them into proposed policies, bring them back to
21 us for the July 8th meeting. We may actually
22 get them before the July 8th meeting. As soon
23 as she gets them done, she's going to e-mail
24 them out to the group. And at that point, I'd
25 like everybody to please spend some time,
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1 review those policies, review the
2 recommendations and the key findings. Review
3 what you remember and what you would like to
4 see, and then we can really wordsmith those
5 policies and decide if they represent what this
6 group wants to recommend.
7 So that's -- we have three more meetings
8 coming up, and the intention is, in those next
9 three meetings, to really get into actual
10 policies at that point. We've adopted
11 essentially two so far, which is changing the
12 AAA and recommending that it be reviewed every
13 five years, but now we're getting into kind of
14 the guts of it and we've got three more
15 meetings to really hone those and make them
16 exactly what we want them to be. Hopefully
17 that's sufficient time to get everything done.
18 W/G MEMBER OLSEN: Madam Chair, before the
19 staff spends a lot of time on policy --
20 codifying it into policy, shouldn't we agree on
21 these recommendations? Because some of them
22 may be debatable. I mean --
23 THE CHAIRWOMAN: I'm hesitant to go
24 through them line by line through the
25 recommendations. And I'm sure that they are
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1 debatable, but what -- when Susan puts them
2 into broader policies, one, they might not be
3 debatable at that point because it is -- again,
4 it's intent and it's looking at things. It's
5 giving guidance. And so if it's something
6 where somebody in the room thinks this or
7 that's going to happen; somebody else thinks,
8 Oh, I don't think that's ever going to happen,
9 if the policy is, the staff should look at this
10 and gather information and determine whether or
11 not this is going to happen, then that might
12 take that issue of division away.
13 W/G MEMBER OLSEN: Can we get a copy of
14 the recommendations? Because we might want to
15 comment back.
16 THE CHAIRWOMAN: Yes, absolutely.
17 W/G MEMBER MARTIN: On that same topic, it
18 would seem like we're creating an awful lot of
19 unnecessary work for the staff to provide a
20 policy for all these different recommendations
21 when we're only going to recommend, before we
22 even get to that point, five of them, or
23 whatever.
24 THE CHAIRWOMAN: Susan.
25 MS. KELLY: So here's what I was thinking,
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1 is to -- what happens frequently when we're
2 dealing with policies is that you'll see a lot
3 of smaller specific topics can be encapsulated
4 in one policy because they're about the same
5 general intent.

6 So what I'm envisioning is that we could
7 have a policy draft and then I would place
8 under that the recommendations that that policy
9 is addressing. So, one, you could see the
10 original intent behind the contributors, their
11 wording, and then see what I crafted as a
12 result of that, and then you can kind of go
13 from there and see.

14 So to your point, Jeff, it wouldn't be
15 like two pages of policies necessarily. It
16 might be, I don't know, ten, but they
17 incorporate all of those two pages, the
18 recommendations. So that's what I'm thinking.

19 And in addition to that, if for some
20 reason the Work Group would like to make sure
21 that all of those policies, as originally
22 submitted, are somehow incorporated into this
23 work, it could be in an addendum or a memo or
24 something associated with the end product so
25 that none of that work and none of those words

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1 get lost. So that's always an option.
2 THE CHAIRWOMAN: Yeah. That was my next
3 suggestion, was we could consider attaching a
4 memo or a note to the final document that
5 includes ideas and concepts that we believe are
6 most important for the City to consider and
7 that maybe were too specific to be included as
8 particular policy statements or maybe not even
9 really within the purview of the Planning
10 Department.

11 I looked through the recommendations, and
12 there are a few things that seem more like
13 maybe they're state Water Management District
14 level things or they're a different department,
15 but yet they're still very good recommendations
16 of things that should be considered by somebody
17 at some point in time, and the Planning
18 Department should be aware that those things
19 are out there.

20 So we can certainly put that as some sort
21 of an attachment, as a memo or a note, those
22 types of things. And there are -- if you look
23 through the recommendations, there's a lot of
24 duplication and there are a lot of things that
25 can probably be combined under one policy. So

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1 we might have six or seven recommendations that
2 ultimately result in one broader policy
3 statement. And as Susan said, she can list the
4 recommendations underneath.

5 I think we would get really in the weeds
6 if we go through each and every one of the
7 recommendations because some of them are super
8 specific. But just because they're too
9 specific at this point to make as a Comp Plan
10 policy statement, they ultimately can
11 probably -- maybe be broadened and become a
12 Comp Plan policy statement, if that makes sense
13 to all of you.

14 I think it's a -- I was trying to figure
15 out in this last week how to deal with all of
16 these recommendations because if we -- I do
17 think, if we go through them line by line,
18 we'll be here six weeks from now -- or six
19 meetings from now discussing the details. And
20 those details of some of those things, again,
21 aren't necessarily even policy issues because
22 they're too detailed. They're more Land
23 Development Code issues or even possibly other
24 agency issues.

25 So I'd like to give staff a chance to do
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1 this. We may get to the July 8th meeting and
2 say, no, this is not -- this isn't working,
3 this isn't how we want to do this, and we may
4 have to regroup and discuss it at that point,
5 but I'd like to try it from that point, from
6 that perspective, and see if that works.

7 Is that okay with the group?
8 Erik.

9 W/G MEMBER OLSEN: Well, I was just
10 wondering. I was looking at the scope. I went
11 back to the scope of what we're supposed to be
12 doing and it's all summarized in the three
13 tasks. And I was just wondering if the
14 comments had been filtered with respect to
15 Task 2 because it says, based on the findings
16 of Task 2, we recommend policies.

17 So, I mean, it's pretty simplistic and it
18 lays out really what the areas of interest are,
19 which I guess can always be expanded, but I
20 didn't know if -- not having gone back and
21 looked at the comments to date, I didn't know
22 if they had been filtered at all with respect
23 to the charge here.

24 THE CHAIRWOMAN: I think that that's -- I
25 mean, I do think we are following down -- if
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1 you look at Page 3 in your notebook, under
2 Mission and Objectives, we've definitely
3 accomplished or are still working on Task 1,
4 identifying the different impacts. We've had
5 discussions of critical infrastructure, natural
6 resources. Economic impacts is the one that
7 we're a little bit -- haven't gotten a lot on
8 that.
9 We have been working through evaluating
10 some of the City's existing programs. We just
11 learned about a new one today. We have the
12 policies that were already given to us.
13 If you look actually on Page 4, if you
14 flip over to the next page, these are the ten
15 different Comprehensive Plan elements that are
16 available. So some of the things -- I keep
17 thinking in terms of what I do for a living --
18 the future land use element and what would we
19 put in as far as maybe density bonuses for
20 staying out of the AAA area and some of those
21 things. But then I looked back on Page 4 and
22 we've got, like, the housing element. That
23 clearly is an element that is ripe for some
24 policy provisions about construction within the
25 AAA and dealing with existing construction in
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1 the AAA.
2 So we've got -- I think we've got Task 2
3 pretty well handled at this point. We had
4 presentations about the different programs. We
5 have the existing policies for the -- from the
6 Comprehensive Plan. We have a list of the
7 different elements available to us in the
8 Comp Plan.
9 I think now we're actually on Task 3,
10 which is the recommendations, which people have
11 definitely been turning in recommendations.
12 It's just now how to massage those into actual
13 potential policies, which we may or may not all
14 agree on once they are actually written as
15 policies.
16 Matt.
17 W/G MEMBER GALNOR: I think it makes sense
18 to just, you know, let staff take a crack at
19 it. And, you know, we have the
20 recommendations. Let's see what they are and
21 then look at it as a group and discuss it
22 further. It makes sense to me. I support your
23 recommendation.
24 THE CHAIRWOMAN: Thank you.
25 And we've got, like I said, the three
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1 meetings and three [sic] hours at each of those
2 meetings, so we should be able to really get
3 into those policies. And if we get into them
4 and decide they do not reflect what this group
5 wants, we can turn around and go a different
6 direction, absolutely.
7 Any other comments?
8 W/G MEMBERS: (No response.)
9 THE CHAIRWOMAN: Let me go back to my
10 notes. All right. So if you think of any
11 other demographic or socioeconomic information
12 or data that you think that the Planning
13 Department should -- Matt.
14 W/G MEMBER GALNOR: And I'll defer to the
15 engineers on this. Would it make sense to know
16 whether the land is connected to City water and
17 sewer or on a septic tank?
18 THE CHAIRWOMAN: That's a great -- that's
19 a great recommendation because the septic tanks
20 are particularly vulnerable.
21 W/G MEMBER GALNOR: And that could maybe
22 prioritize for -- you know, a list for City
23 investment down the road. There's -- it's in a
24 capital budget.
25 THE CHAIRWOMAN: That's a great
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1 recommendation.
2 Joe.
3 W/G MEMBER LORETTA: To that point, so I
4 was talking with somebody who lives in
5 San Marco, and a good portion of San Marco, I
6 guess, is on lift stations, which is a -- or,
7 I'm sorry, has their own septic tanks, which is
8 a little bit amazing to me. And for some
9 reason, the City has a priority list of -- JEA
10 has got a priority list to upgrade lift
11 stations, this, that, and the other -- or
12 septic tank locations throughout the community,
13 and they're coming from outside in versus
14 inside out. So what you would think would be a
15 more priority prone area, which could be
16 San Marco, they're looking at further
17 outskirts. So it's a very intriguing
18 conversation I had with someone.
19 THE CHAIRWOMAN: Well, that's something
20 that -- again, that's not necessarily a
21 planning policy that would be in the
22 Comprehensive Plan, but definitely something I
23 think we would want to put in a note or a memo,
24 that we would request that the City -- whether
25 it's Public Works, JEA -- look at the way that
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1 they prioritize getting people off of septic
 2 tanks and on to City water and sewer, in light
 3 of potential sea level rise and current
 4 flooding issues.
 5 W/G MEMBER TAPPOUNI: Through the Chair --
 6 THE CHAIRWOMAN: Michelle.
 7 W/G MEMBER TAPPOUNI: -- I believe there's
 8 a document or there is a process for that. The
 9 septic is -- they were looking -- this is from
 10 my time on the Environmental Protection Board.
 11 They look at where the septic tanks are the
 12 most vulnerable, where they are closest to
 13 certain tributaries. I think it's not just an
 14 outside-in type of thing, but there's a
 15 priority based on neighborhoods and conditions
 16 on the ground with that. So there is
 17 something. It would necessarily, basically,
 18 give some answers to your question, though.
 19 THE CHAIRWOMAN: But we can certainly
 20 include it as a note.
 21 Bill.
 22 MR. KILLINGSWORTH: My suspicion is the
 23 septic tank abatement program, as it stands
 24 right now, is probably more about reducing TDML
 25 than it is adapting to sea level rise.

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1 THE CHAIRWOMAN: So I think that's a
 2 great -- something that we should definitely
 3 include as a note. Again, it's not really a
 4 Comp Plan policy, but definitely is a note, or
 5 we could -- actually, there is a provision in
 6 here for the CIP stuff, Capital Improvement
 7 Plan, under the infrastructure element. We
 8 could certainly put that as a policy within the
 9 infrastructure element. So we could fit it in
 10 the Comp Plan.
 11 Let's go to Old Business real quick.
 12 So, Erik, before we get to the information
 13 you provided us, let's look at the City maps
 14 that have now been put together based on the
 15 information that we asked them to put together.
 16 MS. KELLY: Through the Chair, we have a
 17 map, the greater of the Cat 3 storm surge and
 18 the 500-year floodplain. We have this big
 19 version, and we can zoom in and out of it. We
 20 have a plotted copy as well.
 21 And there was a question about the
 22 drainage basins associated with the 500-year
 23 floodplain, and we have that map up as well,
 24 and we can bring that to you guys or whatever
 25 you'd like for that.

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1 THE CHAIRWOMAN: So can you tell us what
 2 the yellow is and the gray and the --
 3 MS. KELLY: Well, the gray is the river,
 4 and then the -- all that orange-yellow, that
 5 would be the entire AAA, from that
 6 recommendation at the last meeting.
 7 As you can see, these little, like,
 8 pockets -- I don't know what else to call
 9 them -- over on the western side, that's the
 10 500-year floodplain, essentially.
 11 And so I don't know if that's how you-all
 12 feel how that relates to sea level rise and
 13 coastal flooding. And I certainly don't know
 14 enough about hydrology to know if that's
 15 related.
 16 But this would be the area that's
 17 encompassed (indicating). And, Joe, it's the
 18 second map that's under that basin map. If you
 19 flip it up, that's the same map. It's that one
 20 (indicating).
 21 THE CHAIRWOMAN: Okay. In our
 22 recommendation, we did ask that the City make
 23 their future, like, Land Development Code plans
 24 and housing plans commensurate with the actual
 25 risks associated with those areas. So do we

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1 still think that that map, with that caveat, is
 2 appropriate for the policy?
 3 Matt.
 4 W/G MEMBER GALNOR: Do we know the
 5 difference between 1 and 2? When we include 3,
 6 is there a -- do we have a map that shows the
 7 difference with 3 on this?
 8 MS. KELLY: This is the map that would be
 9 the whole boundary (indicating). We don't have
 10 a map that shows the Cat 2, except for those
 11 little maps, which we brought.
 12 So, for example, the downtown, Riverside,
 13 San Marco -- that pink area is the Cat 3, and
 14 then the Cat 2 is to the green.
 15 And what I'm handing out now -- you guys
 16 had asked about the developable acreage within
 17 categories per Cat 1, 2, 3, 4. So we have the
 18 City overall on this table and then we also
 19 have four of these specific areas that were in
 20 those maps from last time.
 21 Just to explain, these aren't cumulative.
 22 These are incremental. So the Cat 2 that you
 23 see is Cat 2, not inclusive of Cat 1, but in
 24 addition to Cat 1. So you really -- it's just
 25 raw data. You can kind of work the numbers

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1 however you would like.
 2 W/G MEMBER OLSEN: Madam Chair --
 3 THE CHAIRWOMAN: Yes.
 4 W/G MEMBER OLSEN: -- with respect to your
 5 rhetorical question, you're probably right.
 6 The conundrum here is that FEMA looks not only
 7 at storm surge, but they also look at other
 8 hydrologic effects, ponding of swamps and
 9 things of that nature that the SLOSH model does
 10 not, which is mostly a surge model. So you
 11 have included a lot of out areas that are not
 12 vulnerable to sea level rise.
 13 THE CHAIRWOMAN: Exactly.
 14 Joe.
 15 W/G MEMBER LORETTA: So the gray here is
 16 the open water (indicating). Do we know in the
 17 GIS data how that's completely defined? You
 18 know, obviously, like, this is the Trout River
 19 coming up, and then this is obviously a basin
 20 that continues up. It probably is a very
 21 narrow ditch. Maybe it's still navigable.
 22 Does anybody -- do we know, you know, what
 23 defines the difference between here and then
 24 maybe something that's coming up there from the
 25 GIS perspective?

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1 MR. KILLINGSWORTH: In terms of?
 2 W/G MEMBER LORETTA: Because I keep
 3 thinking, like, you know, if -- a way to do
 4 this is just to say, well, let's give us a half
 5 a mile outside this gray boundary within the
 6 greater of the 500 and the 100 -- you know, the
 7 500 and the Storm Surge 3, and then all of this
 8 would wipe away, but then at the same time, you
 9 know, is there any flooding that truly kind of
 10 back us up in areas such as that?
 11 But still, I mean, you know, we don't need
 12 to do the whole -- you know, everywhere. So a
 13 half a mile -- if you think about it, my thumb
 14 is -- my thumb is a mile off of this thing. So
 15 a half a mile would be a half of a thumb. And,
 16 you know, you're still getting a good portion
 17 of the overall area, if you were to go to,
 18 let's say, a half a mile off the 500-year and
 19 the Storm Surge 3, then that way we're not, you
 20 know, completely impacting future development
 21 across all of Duval County and so forth.
 22 MS. KELLY: You would be thinking off of
 23 the navigable waterway?
 24 W/G MEMBER LORETTA: Well, whatever we're
 25 defining, almost -- this as the gray boundary,

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1 you know, which is probably more considered an
 2 open water navigable boundary, I guess.
 3 THE CHAIRWOMAN: And are we including the
 4 Cat 3 and the 500 year? So if it's a half a
 5 mile off, but it is not within the 500 year --
 6 the 3, then it wouldn't be included in the AAA?
 7 W/G MEMBER LORETTA: I mean, that's kind
 8 of my thought process.
 9 THE CHAIRWOMAN: Because it -- honestly,
 10 looking at this map, it looks like we're pretty
 11 much covering the county, which maybe is
 12 exactly what it needs to be, but it does
 13 appear, to me, being not a scientist, that this
 14 area in the southwest corner of the county is
 15 probably not subject to storm surge. It might
 16 just be low lying, swampy, wetland areas --
 17 MS. KELLY: And we do have -- Chris, do
 18 you want to pull up the other one, the red line
 19 map?
 20 I don't know whether this will be helpful
 21 or not. This one is -- he's pulling it up. We
 22 basically have a map. It's the same content,
 23 but it's shown a little differently.
 24 That red line is the Cat 3 storm surge
 25 line. It's 1, 2 and 3, but, obviously, that's

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1 the 3. That's the red line. See, you can see
 2 the differentiation between the 500 -- what's
 3 subject to the flood zone and then what the
 4 surge zone is. So that red line is that surge
 5 area since that was just -- and, Erik, that's
 6 the plot of it.
 7 THE CHAIRWOMAN: When we first talked
 8 about this, we talked about the fact that we
 9 didn't think that the existing AAA boundaries,
 10 which corresponded with the CHHA boundaries,
 11 were sufficient to cover the river-influenced
 12 areas, which is why we went and then included
 13 the 500-year, but it does look like the
 14 500-year probably encompasses a lot more than
 15 we actually need. So we may need to hone this
 16 in in some way.
 17 Matt.
 18 W/G MEMBER GALNOR: Yeah, I know we're not
 19 voting today, but, I mean, I really like where
 20 Joe is headed. That seems to make a lot of
 21 sense. If we're going to -- if we're here to
 22 talk about that, it makes sense to have it a
 23 certain mile -- you know, a half mile or
 24 whatever that number is around the navigable
 25 water, because that looks a lot more

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1 appropriate than -- when you put the red part
2 of it on, it looks a lot more appropriate than
3 the first map.
4 MS. KELLY: Chris, can you zoom into the
5 center? Just to get an idea of what we're
6 capturing with the core city.
7 THE CHAIRWOMAN: And the downtown area.
8 MS. KELLY: And the downtown area.
9 I feel like that was the part where it got
10 a little --
11 THE CHAIRWOMAN: Where the current AAA
12 just didn't reflect what's really happening on
13 the ground.
14 MS. KELLY: Yeah, like Riverside and
15 Avondale and downtown.
16 W/G MEMBER OLSEN: So the map is
17 (inaudible) --
18 (Simultaneous speaking.)
19 MS. KELLY: Yeah.
20 THE CHAIRWOMAN: But now it does look
21 like -- if we just stuck with the -- what does
22 the red represent?
23 MS. KELLY: The red is the Cat 3 storm
24 surge area, the red dots within the red lines.
25 THE CHAIRWOMAN: So it looks like -- if
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1 we're looking -- Erik, I'm looking at you, and
2 Jeff and Joe as our scientist and engineer
3 types.
4 But it looks like, if we're looking at the
5 downtown area and we're looking at the
6 Cat 3, that that does encompass where we saw
7 damage from Irma pretty well.
8 Okay. Question to you guys. So look at
9 the area over off of King Street, between King
10 Street and McDuff. Now, that is a 500-year
11 floodplain. It's not within the Cat 3. Was
12 that area significantly damaged during Irma?
13 Does anybody know?
14 W/G MEMBER OLSEN: King Street had a +7
15 storm surge at St. Vincent's. So the water
16 elevation was very high.
17 W/G MEMBER GALNOR: But that's down
18 toward --
19 W/G MEMBER MARTIN: Yeah, but we're
20 talking about north of that, well inland.
21 THE CHAIRWOMAN: Looking at, like, Forest,
22 where Forest comes across King Street and
23 McDuff --
24 W/G MEMBER OLSEN: You're right.
25 W/G MEMBER MARTIN: Yeah.
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1 THE CHAIRWOMAN: I would ask our
2 scientists and engineers in this group to look
3 at this map with the red on it that is Cat 3
4 and see if we think that that is sufficient.
5 And also consider looking at -- which is
6 definitely you, Jeff, Joe, Erik.
7 Do we need to expand it beyond that by a
8 half mile or a quarter mile or something to
9 that -- beyond those tributaries, or if we
10 think that's sufficient.
11 Yes, Jeff.
12 W/G MEMBER MARTIN: How does the map on
13 the right compare to the map on the screen
14 right now? That's Cat 3 in the magenta, I
15 think. Is that right?
16 W/G MEMBER LORETTA: That's correct.
17 MS. KELLY: This map (indicating)?
18 W/G MEMBER MARTIN: Yeah.
19 MS. KELLY: Uh-huh.
20 THE CHAIRWOMAN: It's identical.
21 W/G MEMBER LORETTA: They should be
22 identical.
23 W/G MEMBER MARTIN: Are they identical?
24 MS. KELLY: Uh-huh.
25 W/G MEMBER MARTIN: The red and the
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1 magenta --
2 MS. KELLY: The red and the pink should be
3 the same.
4 W/G MEMBER MARTIN: Okay. That's what I
5 thought.
6 W/G MEMBER LORETTA: So I guess -- let's
7 look at Forest Street right there. It's
8 showing the Category 3 is right there, and the
9 500-year flood is a little bit around that
10 area.
11 THE CHAIRWOMAN: A little north and a
12 little south.
13 W/G MEMBER LORETTA: Yeah. I mean, just a
14 tiny amount. So I guess my only thought
15 process is, if we still kept the 500-year flood
16 and put some sort of distance off maybe the
17 Cat 3 that was within the 500-year flood, then
18 that would, you know, kind of become a part of
19 it. So that way, in case the Storm Surge 3 map
20 is just a little bit off, we're still kind of
21 grabbing --
22 (Simultaneous speaking.)
23 W/G MEMBER CHATTERJEE: How does the
24 Category 2 look? If you look at Category 3 --
25 THE CHAIRWOMAN: So these numbers are --
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1 if you look at what was handed to you, this is
 2 developable property, not developed property.
 3 W/G MEMBER CHATTERJEE: Right.
 4 THE CHAIRWOMAN: So you see there's not
 5 much developable property, like in Jacksonville
 6 core, there's not a whole lot left to develop,
 7 but that's because it's essentially built out.
 8 So with regard to these maps, Jacksonville
 9 core, you know, we're not looking at potential
 10 developable property, although things like the
 11 District is, I guess, currently going to be
 12 developed --
 13 W/G MEMBER CHATTERJEE: The discussion
 14 last time was the additional regulations, what
 15 impact they have on future developments, so
 16 if --
 17 THE CHAIRWOMAN: The policies will be to
 18 existing developments and what to do with them
 19 and future development. It's not just future.
 20 W/G MEMBER CHATTERJEE: Right, but if I'm
 21 not mistaken, the discussion was that, even if
 22 you have these additional requirements, they're
 23 not mandatory. I think that was the
 24 discussion. It was suggested. It's being
 25 suggested that you do it, but it's not

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1 mandatory that you have to do it.
 2 So, I mean, the map might be covering a
 3 lot of areas, but that's not changing the
 4 behavior by force or by law. They're just
 5 saying, look, this might happen, so you should
 6 be careful.
 7 THE CHAIRWOMAN: Well, we -- so what we
 8 will be doing is, again, recommending policies
 9 to the Planning Department. Those policies
 10 could end up in mandatory requirements by
 11 either the Planning Department or the fire
 12 department or whoever.
 13 We're giving the big, broad guidance, but
 14 that guidance could very well result in
 15 specific policies -- specific rules or
 16 regulations that could impact existing --
 17 MR. KILLINGSWORTH: Or in the policies --
 18 the Comp Plan is the law regarding land use.
 19 THE CHAIRWOMAN: So everything has to be
 20 consistent with the Comprehensive Plan.
 21 Bill had a comment.
 22 MR. KILLINGSWORTH: Yeah. So I was
 23 looking at it. One of the things that may get
 24 to the question you guys are trying to get to
 25 in terms of the boundaries -- one of the

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1 operations we can do with the GIS is look at --
 2 actually, I think I said (inaudible) when I was
 3 talking to staff, but I think the actual
 4 command would be a union.
 5 So what you look at is those areas in
 6 which the Cat 3 and the 500 basically touch
 7 each other and then do a union and grab that.
 8 So what you would see is -- like on Forest
 9 Street, that tributary that kind of runs
 10 parallel to Forest Street, you would pick up
 11 the extra little bits of the 500-year
 12 floodplain there. As you run up Hogan's Creek,
 13 you pick up further north. But what you
 14 wouldn't pick up is any of that stuff way out
 15 on the Westside because there's no overlap
 16 between the -- and we could do that. I mean,
 17 that's a GIS command. So, I mean, we could do
 18 it a couple of different ways. And that may
 19 get to what you're looking at.
 20 I mean, another example I see on the
 21 screen here -- two examples would be down on
 22 the bottom left-hand corner. St. Johns, you
 23 can see how the Cat 3 surge connects a piece of
 24 that tributary, but the tributary runs through
 25 Park Street. And I think one of my staff

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1 members says it actually does flood down that
 2 way.
 3 Same thing down -- I'm not sure if that's
 4 quite Grenada or not, but you can see down kind
 5 of in the center bottom, the Cat 5 goes
 6 underneath 95 there -- or San Jose rather. And
 7 on the eastern side of San Jose, it's obviously
 8 part of a tributary, but the surge doesn't go
 9 that far.
 10 So those are the kinds of things we can
 11 pick up through kind of an automated process,
 12 and that may alleviate -- now, the challenge
 13 will be -- a lot of that in the southeast
 14 corner is probably interconnected, so we'll
 15 probably grab that, but clearly the stuff way
 16 out to the west isn't interconnected with
 17 the -- it's broken from the southeast, so it
 18 would drop that. We could do that exercise and
 19 then see if that addresses the --
 20 THE CHAIRWOMAN: And bring it back next
 21 time.
 22 MR. KILLINGSWORTH: Yeah.
 23 W/G MEMBER TAPPOUNI: Could you scroll a
 24 little bit left on this map? I'm trying to
 25 see, like, the Ken Knight Drive area that got

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1 so much flooding during Irma. Right there.
 2 That Moncrief -- so it looks like what you're
 3 suggesting would pick that up too.
 4 W/G MEMBER LORETTA: And that's where -- I
 5 guess, Bill -- I think it would be good to set
 6 some sort of a dimensional standard because,
 7 really, the likelihood is a lot of the yellow
 8 maybe mildly touching the red. So where the
 9 "Moncrief" word is, is there a break between
 10 that red all the way down to Kings Road in that
 11 orange color there? And I don't think there
 12 is. And so that's where I'm thinking -- I
 13 mean, basically, if you just run a query with
 14 that -- with an additional half a mile outside
 15 the red or even outside the gray boundary, then
 16 you probably get -- you hit it.
 17 MR. KILLINGSWORTH: I guess my thought on
 18 it is, what you're looking at is data using
 19 existing sea level rise. I mean, using the
 20 existing sea level. So if you add 2 feet of
 21 water, then I think it's not unreasonable to
 22 expect that all that connected 500-year
 23 floodplain would be impacted in some way.
 24 MS. REED: This is through a 2060 time
 25 frame, so it is a very long-term perspective.

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1 THE CHAIRWOMAN: If you guys could do
 2 that --
 3 W/G MEMBER OLSEN: Of course, we're sort
 4 of doing that already because the charge is a
 5 Cat 1. So we already added a couple of feet to
 6 it by virtually going to the Cat 3. So you
 7 really have done that, in effect.
 8 Looking at those maps over there, from the
 9 Mathews Bridge down, I'm much more satisfied
 10 with the Cat 3 simulation. I mean, I think
 11 it's very adequate. Where the FEMA falls short
 12 in -- from the Mathews Bridge down to the
 13 south, that's the -- the Cat 3 there is pretty
 14 comprehensive. It doesn't address some of
 15 these other tertiary areas, obviously.
 16 THE CHAIRWOMAN: But if Bill and the staff
 17 ran those maps that then connects those
 18 tertiary areas, would we want to include those
 19 in the AAA? Because it does appear -- like, in
 20 the Moncrief area -- is that where you were
 21 talking about?
 22 W/G MEMBER TAPPOUNI: Well, Moncrief and
 23 the McCoy's Creek area.
 24 THE CHAIRWOMAN: It does actually extend
 25 into that 500-year, at least it did when we had

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1 the hurricane last time.
 2 W/G MEMBER LORETTA: I think so. It goes
 3 down to how far do we want to pinch out. But
 4 regardless, we've already, basically, before
 5 coming to this meeting, said the greater of
 6 those two anyway. So if we're just grabbing
 7 what's adjacent, then it will do what we're all
 8 trying to accomplish.
 9 Really, my biggest concern is probably
 10 Northwest Jacksonville, but, you know --
 11 because there -- that water gets into a lot of
 12 yellow over there.
 13 THE CHAIRWOMAN: And we can look at it
 14 next.
 15 Susan.
 16 MS. KELLY: And just a reminder that we do
 17 have that phrase attached to the current
 18 recommendation that says the -- commensurate
 19 with potential flooding risks. So there could
 20 be a tiered approach or a phased approach that
 21 happens within that area.
 22 THE CHAIRWOMAN: Jeff.
 23 W/G MEMBER MARTIN: I'm not sure what the
 24 purpose of the buffer around -- the one-half
 25 mile buffer around the navigable waterways is.

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1 W/G MEMBER LORETTA: I was just trying to
 2 put it in a situation where we weren't creeping
 3 too far into uplands or into raw land areas,
 4 and so that was basically the thought process.
 5 So --
 6 W/G MEMBER MARTIN: I think the
 7 intersection of the 500-year floodplain -- the
 8 GIS and the 500-year floodplain and the Cat 3
 9 would be -- kind of handle that.
 10 THE CHAIRWOMAN: I'd be more comfortable
 11 in having it -- instead of a half mile around,
 12 having it actually follow either the 500-year
 13 or the Cat 3 and then this -- I'd like to not
 14 include a bunch of property that we don't need
 15 to include, but we definitely -- I want it
 16 based on the scientific data that we have
 17 available now.
 18 So could we ask staff to do, Bill, what
 19 you just said?
 20 MR. KILLINGSWORTH: Sure.
 21 THE CHAIRWOMAN: And bring that back
 22 July 8th? Is that okay with the group?
 23 MS. REED: (Nods head.)
 24 THE CHAIRWOMAN: Okay. Yes, Jeff.
 25 W/G MEMBER MARTIN: Could I just say one

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1 more thing?
2 THE CHAIRWOMAN: Sure.
3 W/G MEMBER MARTIN: The Cat 3 is not
4 right, though. That's one of the problems that
5 I have with these maps. The Cat 3 actually
6 aligns -- my real world viewing -- Institute
7 viewing of Irma tells me that Irma was aligned
8 very closely to the Cat 3 boundaries that you
9 see here, and Irma wasn't close to being a
10 Cat 3.
11 W/G MEMBER LORETTA: Irma was an anomaly,
12 though, because it came up, and water came from
13 the south. So we were getting storm surge
14 really from -- it was almost like a traditional
15 flood in the Midwest with rain coming from the
16 north-south. We got flooding along with the
17 storm surge kind of combined.
18 W/G MEMBER MARTIN: But then you're
19 talking about track of the storm, which is --
20 you know, that's going to be dependent on a
21 million different things.
22 W/G MEMBER LORETTA: Well, exactly. So --
23 W/G MEMBER MARTIN: So all I'm saying is
24 that if -- using that standard, there is no
25 valid use in the Cat 1, 2 or 3 or 4 or 5
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1 because the direction of the wind and the
2 direction of the track is going to have an
3 impact on the flooding.
4 THE CHAIRWOMAN: But isn't it true -- I
5 mean, we do know that the areas that we're
6 calling Cat 3 are the areas that currently are
7 prone to flooding. So if there's a 2-foot sea
8 level rise, they're going to be that much more
9 prone to flood.
10 I mean, we have to have some data or
11 scientific information that we base it on. And
12 I don't know any other way to draw these lines
13 other than what we've got from Cat 1, Cat 2,
14 Cat 3, 100-year, 500-year. That's the
15 information we have available to us, unless we
16 went out and did an entirely new scientific
17 study, but my understanding is that this --
18 whatever the red is, it does pretty accurately
19 reflect the areas of town that we have
20 currently problems with flooding, and we'll
21 have more intense, likely, problems with
22 flooding in the future.
23 W/G MEMBER OLSEN: And just fortuitously,
24 they fairly well replicated the effects of Irma
25 for -- not for any predictable reasons. It
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1 just happened that that level of flooding is
2 the best simulation we have of Irma, which
3 would be the ideal thing, is to have the
4 actual -- but we don't.
5 W/G MEMBER MARTIN: From my own judgment,
6 living on the river and Memorial Park, the
7 magenta that you identify with Cat 3 is almost
8 identical to the boundary of Irma. And I think
9 as I go down further to the south, on the
10 river, the same pattern -- talking to people
11 that live down there, the same pattern is true
12 there.
13 THE CHAIRWOMAN: So it should --
14 W/G MEMBER OLSEN: That's what I'm saying,
15 yeah.
16 THE CHAIRWOMAN: A good representation,
17 regardless of how.
18 W/G MEMBER OLSEN: How it got there.
19 THE CHAIRWOMAN: However it happened.
20 W/G MEMBER MARTIN: It's very close.
21 THE CHAIRWOMAN: Let's run real quick
22 to -- luckily, we have no speakers, so we don't
23 have to worry about that.
24 Erik, you gave us -- which we've now
25 already talked about -- the New York Times
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1 article, which we all need to read, and the
2 chart that shows the expenses on a per-city and
3 per-person basis. If everybody could look at
4 that.
5 You also have in your packet some
6 replacement pages. Erik Olsen provided to us a
7 white page -- white paper after his
8 presentation, and he's made a couple of changes
9 to it. So you have replacement pages for
10 Pages 12 and 13. If you could go in your
11 notebook and replace those, that would be
12 fabulous.
13 I do want to thank everyone for all of
14 your hard work that you've put in on this.
15 We've gotten great input. Like I said, we're
16 now headed to Task 3, and I anticipate these
17 next three meetings are going to be very busy
18 and we're going to have a lot to talk about.
19 Again, if you could review whatever we get
20 from Susan Kelly as soon as it comes in because
21 we're going to need to hit the ground running
22 and be ready to talk. And hopefully we can get
23 this done in three meetings. And hopefully
24 we'll have a quorum at the next three meetings.
25 Summer has definitely turned out. The Planning
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1 Department said that the summer would be
 2 difficult, and I thought, oh, no problem. And
 3 it has turned out to be difficult to get
 4 everybody here.
 5 But I think that's it. Anybody else have
 6 anything else that they want to add?
 7 W/G MEMBER MARTIN: Are the next three
 8 meetings three hours long?
 9 THE CHAIRWOMAN: Yes. Aren't they -- oh,
 10 two. They're 9:00 to 11:00. I'm sorry. At
 11 some point I said three hours. Sorry. Three
 12 meetings, two hours.
 13 W/G MEMBER MARTIN: Okay.
 14 THE CHAIRWOMAN: Yeah.
 15 MR. KILLINGSWORTH: You can stay as long
 16 as you want.
 17 THE CHAIRWOMAN: We're not feeding you,
 18 we're not giving you water. That's it.
 19 W/G MEMBER MARTIN: Well, you gave us
 20 water.
 21 THE CHAIRWOMAN: That's right.
 22 And we're hoping there's going to be air
 23 conditioning at the next meeting.
 24 I think that's it. Thank you, everyone,
 25 for coming, and thank you for your hard work,
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1 and we'll see you at the next meeting on
 2 July 8th.
 3 (The above proceedings were adjourned at
 4 10:45 a.m.)
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1 CERTIFICATE OF REPORTER
 2
 3 STATE OF FLORIDA)
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 4 COUNTY OF DUVAL)
 5
 6
 7 I, Diane M. Tropa, Florida Professional
 8 Reporter, certify that I was authorized to and did
 9 stenographically report the foregoing proceedings and
 10 that the transcript is a true and complete record of my
 11 stenographic notes.
 12
 13
 14
 15 DATED this 4th day of July 2019.
 16
 17
 18 _____
 19 Diane M. Tropa
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