

Local Mitigation Strategy



Whole Community Hazard Mitigation Part 5: Meeting Minutes



January 2016

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Part 5 – Meeting Minutes

Introduction to the Minutes of the Working Group Meetings

The initial meeting between Miami-Dade County and the first group of interested municipalities and other parties was held May 5, 1998 at the Miami-Dade Emergency Operations Center (EOC) at 5600 S.W 87th Avenue, Miami, Florida 33173 (the EOC moved to its present location at 9300 N.W 41st Street, Miami, FL 33178 on June 15, 2000). These representatives formed the nucleus of the Working Group and were established to fulfill the obligations of a grant from the state of Florida. The following minutes of the meetings of the Local Mitigation Strategy Working Group will provide the reader with an overview of the beginning, development and the continuing activities of the group. Originally, it was required by the state that a schedule of meeting was to be maintained; however, as of the eighth year of the Working Group, the schedule was no longer published. August 12, 1999 was the last meeting under the original state contract. In September 1999 the meeting frequency was changed from monthly to quarterly. Meetings dates have now been stabilized and are generally held on the central Wednesday of March, June, September and December. In recent times members of the Working Group have volunteered to host the LMS Working Group meetings, which seems to enhance interest and attendance. The minutes will be continuously published as they clearly demonstrate the growth and development of the Local Mitigation Strategy in Miami-Dade County. While a part of the document, the minutes are published separately from the LMS document.

As of December 21, 2015 only the most recent year of meeting minutes will be included in Part 5 of the LMS. A complete archive of meeting minutes from 1998 to the most recent calendar year is available upon request from the LMS Chair at mdlms@miamidade.gov.

2015

Notes of the March 18, 2015 Meeting

The meeting was held at the Miami-Dade Fire Rescue Training Center Auditorium in Doral. We had 68 attendees representing 50 agencies. Curt Sommerhoff, the Director of Emergency Management, welcomed everyone to the LMS Meeting and thanked them for their continued support.

Cathie Perkins, LMS Coordinator/Chair welcomed everyone and asked new attendees to identify themselves and welcomed them to our meeting. Group announcements including an afternoon session for the CRS Subcommittee with a webinar on Program for Public Information, the CRS Subcommittee meeting on March 24th (see LMS Calendar for more info) and the annual Feel the Force Event which will take place on May 30th at the Museum of Science. Ms. Perkins encouraged the CRS communities to support the event on the 30th for public outreach credit.

Ms. Perkins, introduced Josh Overmyer from the Florida CRS Initiative. Mr. Overmyer spoke to the group about the four planners from the state who are available to assist with CRS participation, are available for workshops for community staff, are working to help get additional credit points, liaison with FEMA, assist with planning and also help publicize the flood insurance discount. Mr. Overmyer spoke of how in Florida 45 % of communities participate and this nets an annual savings of over \$180 Million. Nationally there are only 6% of community participation for an annual savings of over \$360 Million. Florida is leading the way, but we have more work to do. Mr. Overmyer spoke about the CRS activities and the numerous agencies that communities work with to help get credits including: various State agencies, Water Management Districts, State Dam Safety Office, Emergency Management, NFIP and FEMA. Mr. Overmyer showed how much money on an average annual premium could be saved if additional freeboard is used in construction. For a house build at Base Flood Elevation in an AE zone the premium is just under \$2000, but a house with one foot of freeboard saves 49% on their flood insurance and two feet of freeboard saves 63%.

Josh also recommended the following resources for more information on CRS: <http://www.floridadisaster.org/mitigation/CRS>

<http://www.crsresources.org>

For more information you can reach Josh Overmyer at 850-519-7955 or josh.overmyer@em.myflorida.com.

Our next speaker, was Earl King who founded CRS Max Consultants, Inc. Mr. King is one of a number of contractors who can provide assistance to communities that are interested in joining CRS or who may need assistance with maintaining their CRS. Mr. King spoke of the three WOWs of CRS. The first Wow is that this is a program where you can get money back in savings from the government. The second Wow is how complex it can be. With 19 activities and numerous departments to coordinate with and a new User Manual that is 614 pages, it can be a daunting task. The third Wow is the reaction of the person tasked with getting the work done to get into or stay in the program. Mr. King mentioned that help is available to communities through the ISO/CRS Specialists, of which there are four in the State, the Florida CRS Initiative, CRS User Groups, and Consultants. CRS Max can help communities and is dedicated exclusively working only on NFIP /CRS program. For more information you can reach CRS Max at 954-421-7794 or crsmaxinc@bellsouth.net.

Next Ms. Perkins provided an overview of the status of the LMS five year update. On March 17th the plan was resubmitted to the State for review. Fingers crossed we get it approved this time. The expiration on the

Upcoming LMS Meeting

Wednesday, March 18, 2015

9:30 a.m. to 11:30 a.m.

Location: Miami-Dade Fire Rescue
Training Facility
(Building behind Headquarters)
9300 NW 41 St.
2nd floor Auditorium
Room 2-002


All Working Group Members and
the public are welcome to attend.

COMMUNITY RATING SYSTEM



current plan is May 10th. Once we get it back approved, we will let all of the stakeholders know and make it available so you can do a local adoption while we send it to the Board of County Commissioners for their adoption.

The next segment of the meeting was entitled “Moving Forward” to discuss challenges and opportunities as the program continues:

1. **Mandatory Project Fields** – all new projects must have all of the mandatory fields completed in order to be saved. This will reduce the need for me to chase after you for information. Existing projects should all be up to date now. Please verify your projects.
- 
- A screenshot of a web application titled "Mandatory Fields" and "LMS Project List". It shows a list of project fields: Agency, Project Title, Entry Type, Hazard, Project Type, Address, Completion Timeline, Mitigation Goals, Funding Source, Project Description, and Point of Contact - Name, phone and email. To the right is a form for adding a new project. At the bottom right, there is a small red-bordered box with a warning icon and the text "Unsaved changes".
2. **New Potential Fields within WebEOC** – it was noted that we are trying to work on adding the ability for you to select multiple basins, allow you to download more fields, also add an identifier you can use to indicate additional departments/divisions or tracking numbers that may be unique to your programs to help you with making updates. It was also noted that the grants selection should be updated to better reflect grants. It was also posed if we could allow the system to upload shapefiles, this will be researched.
 3. **Mandatory Project Updates** – currently we required you updated your projects two times a year. This is a carryover from when they were Word documents and we did not have real time tracking like we do now in WebEOC. Failure to update projects on an annual basis will mean they will be moved to the Inactive List. Ms. Perkins proposed that we move to one update per year and opened it up for discussion. It was suggested that we allow more time for the points of contact to ensure updates were done before they were moved to Inactive. It was proposed we use the fiscal year cycle as a determination. Ms. Perkins proposed we make October 31st the deadline for annual updates. A grace period of two months will be allowed during which time the points of contacts for the projects will be notified and have until December 31st to make the updates. By January 1st those projects not updated will be moved to Inactive Status. A vote was taken and was unanimously supported. This will be updated in the LMS Plan.
 4. **Inactive Projects and permanent deletion.** The next item of discussion revolved around what happens once a project becomes Inactive. Once a project has been deemed Inactive due to failure to update, the point of contact will be notified that they have until the first Quarterly meeting (the third Wednesday of March) to make the requisite updates. Failure to do so during that time will mean the Inactive Projects will be put up for a vote to the Working Group for permanent deletion at the first quarterly meeting. It was opened up for discussion. The motion was put to the group for a vote and it was unanimously approved.
 5. **Points of Contact** – all attendees were asked to provide three layers of contacts at their agency to ensure that the LMS Coordinator can send project notices to the right people and also reduce the chances of turnover of staff and loss of contact. For those of you who were not at the meeting please provide me with this information if you have projects.

6. The next item was to discuss additional opportunities or ways for us to get back to more strategic planning. It was opened for discussion as to other groups we might want to focus on to include as subcommittees or meetings. The example of perhaps working with partners in areas that experience repetitive flooding or areas where planned construction/development will be occurring so we can have the various stakeholders present and discuss concerns and potential solutions was brought up. Meeting with the professional groups such as American Public Works Association, building officials, realtors, colleges and universities. Also looking at having speakers that can talk to their successes in pursuing grants, resource sharing, best practices and the challenges of universal match/credits. Historically there was more interaction with the state from the county level to try to leverage what we need and get them to help us, perhaps more of a watchdog role in tracking monies. Private sector developers and what they are looking at, gas station and businesses with generators and seeing how this is tracked and how prepared they are. Marcia Steelman offered to follow up on the permit cycles for the gas station generators to see if they include any site visitation notations on seeing the generator or hookups. Discussion about FPL and their status with hardening their infrastructure. It was also suggested we talk more about re-entry to be able to assess damages.
7. Next we looked at the current composition of the Steering Committee to review if we have the right balance of people on board. It was suggested that maybe we want to include someone from the utilities side and first responders. Some of our current Steering Committee members will be retiring and we need to look for replacements. I will send out more information and am looking for volunteers.
8. Lastly we talked about what else we can do as a strategy and there was some additional discussion about FPL power lines. For the next meeting we will try to bring in folks from the utilities/private sector side who can speak to what they have been doing and where we are in terms of hardening and resiliency.

Emergency Management	2	Chair Representing Recovery/ESF 18 Business and Industry
Municipal	2	Includes Floodplain Manager Public Works/Facilities
Education	4	Social Science Public Outreach/Research Grants Facilities
Health Care	1	Hospital/Planning & Gov. Relations.
Private Sector	3	Mitigation projects/measures
National Weather Service	1	
SFWMD	1	
Private Citizen	1	Represents Ag interests
Planner	1	Climate Change/Sea Level Rise
Social Service Agency	0	Currently vacant

We closed the meeting, with reminding people to sign in and that our next meeting will be June 17th and asked for anyone that was interested in hosting. As always everyone was encouraged to send emails to me with any additional comments or follow up. The meeting was adjourned.

Notes of the June 17, 2015 Meeting

The meeting was held at the Miami-Dade Fire Rescue Training Center Auditorium in Doral. We had 65 people in attendance, representing 45 agencies. We also had a number of new people attending and welcomed them to the LMS. Cathie Perkins, LMS Chair made a few group announcements:

- Emergency Management Institute is having a four day class in September called the E212 Unified Hazard Mitigation Assistance: Developing Quality Application Elements. You can register on line at <https://training.fema.gov/emigrams/2015/1179%20-%20training%20opportunity%20-%20e212%20iwmd%20and%20salp.pdf?d=6/10/2015>
- One hour free webinar on Maintaining Buildings and Grounds will be held on Tuesday, July 14th at 2:00 pm <http://webcpm.com/webcasts/2015/06/maintaining-buildings-grounds.aspx?pc=emhtm02&partnerref=emhtm02c>

Next LMS Quarterly Meeting

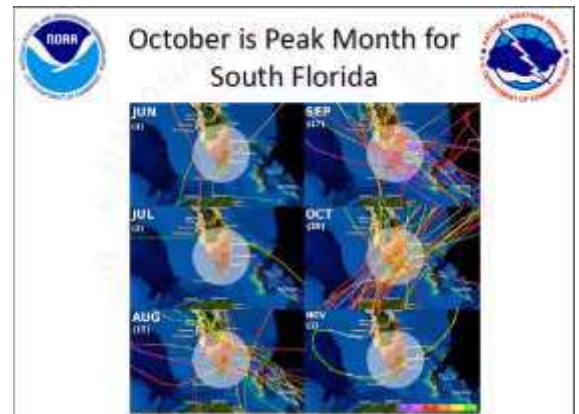
Wednesday, June 17, 2015
9:30 a.m. to 11:30 a.m.

Location: Miami-Dade Fire Rescue
Training Facility
(Building behind Headquarters)
9300 NW 41 St.
2nd floor Auditorium
Room 2-002

All Working Group Members and
the public are welcome to attend.

Our first guest speaker was Erik Salna, Associate Director and Meteorologist with FIW Extreme Events Institute – International Hurricane Research Center. Erik was kind enough to help provide this years updated hurricane forecast and updates from the National Hurricane Center as Rob Molleda could not join us today. Erik reminded us that it has been 10 years since we have been impacted locally by a hurricane and how in 2005 we actually ran out of names because there were 28 named systems. Though this year is predicted to be less than average he reminded us that we must be prepared regardless and that it only takes one storm. An El Nino year may mean less chance of storms but 1992 was an El Nino year and Hurricane Andrew was an unforgettable event. Erik spoke about how as time goes on that communities tend to become complacent, apathetic, a bit amnesic and how we now have more people here with no prior hurricane experience. He stressed that this has been the longest stretch on record dating back to 1851 that no hurricanes have made landfall in Florida. The longest prior to this was 5 years from 1980 – 1984.

Erik showed the graphic to the right that October historically has been the month with the most hurricane landfalls for us, but that doesn't mean we have four more months before something could happen. We should also not be tricked by the "category of storm: Tropical Storms and Category 1's can do a lot of damage.



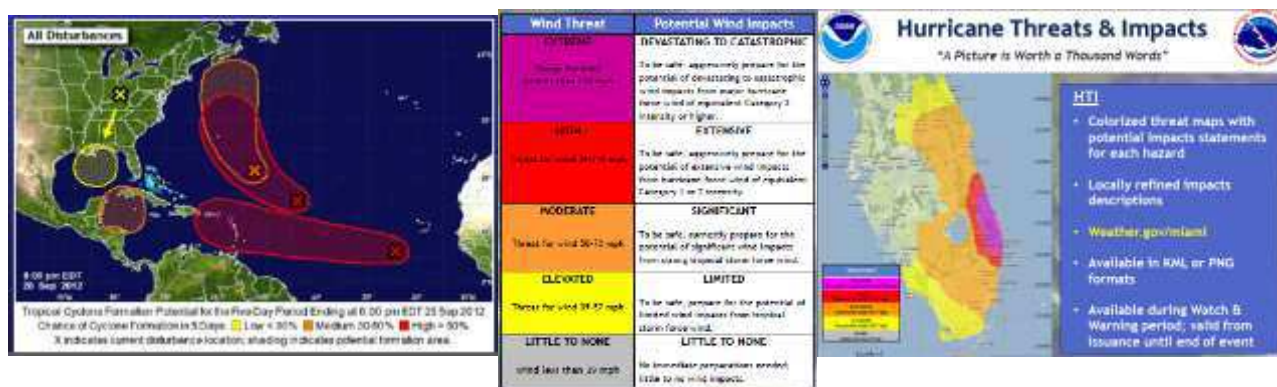
The National Hurricane Center will be providing the Potential Storm Surge Graphic to help convey the dangers of storm surge to the public. They are also looking to do an experimental product this year known as the Storm Surge Watch/Warning.



Erik stressed that everyone should know the storm surge planning zones and if their homes or facilities are located there. If you have any questions about this I am happy to assist you with finding this information out. The NHC will also be issuing graphics to help display where systems are likely to develop. This tool may help you with your preparedness and planning.

A new website will be available to provide information in Spanish and should be ready to launch June 29th. I will send out more information when it becomes available.

Erik stressed, what you have heard Rob and I saying for years that the cone is good for initial information about where the system is headed but when it comes to understanding the local impacts, we should turn to NWS – Miami. Erik talked about the new hurricane threat and impact graphics that have been developed utilizing social science to help ensure that the public at large understands the information being conveyed.



Erik opened the session with having people recall their hurricane experiences and stressed during the presentation that everyone should have a battery operated radio for weather advisories during a storm.

Erik closed with a slide on how mitigation really does work. Case in point this house to the right. It was built with mitigation in mind.



Our second presenter was David Block, Mitigation Planner with the Florida Division of Emergency Management. David spoke on how to keep the LMS programs going and on the FY2015 Hazard Mitigation Assistance Guidance. The funding that is available now is the Pre-Disaster Mitigation (PDM) grant and the Flood Mitigation Assistance (FMA) program. The PDM is limited to three projects for the entire State and \$250K for all three. The focus will be on planning projects. For FMA FEMA revised the priorities for selection of mitigation projects on a competitive basis:

- Projects with the highest percentage of severe repetitive loss properties with at least 2 claims exceeding market value
- Projects with the highest percentage of repetitive loss properties
- Projects with the highest percentage of severe repetitive loss properties with 4 or more claims exceeding \$5,000 each for a total exceeding \$20,000
- FEMA added mitigation of contiguous NFIP-insured properties as the last priority for funding

All grants must be submitted to the State via eGrants application system on or before July 17, 2015 5:00 pm.

Our final speaker was Jason McCright, from ARCADIS and formerly with the State Mitigation Bureau, who spoke to the group about funding opportunities as well.

Jason spoke of the importance of the 404 money after a disaster and how that is a portion, in FL 20%, of the total monies declared through Public Assistance, Individual Assistance and Small Business Administration loans. When you fill out a project worksheet for a public building that has been damaged you can also check off for the 406 mitigation monies that will allow you to not only repair the damages but build in mitigation as well. Jason spoke of the 428 pilot program that is available now whereby you can set a dollar amount for the reparation of a project and get a one time lump sum amount instead of reimbursement based on expenditures.

- Funding is given in a “capped grant”
- FEMA will only provide the capped amount: if the project exceeds this amount, the applicant incurs those costs
- If project costs incurred are less than the capped amount, the applicant may apply the money to other community projects

You can find out more about this program at <http://www.fema.gov/alternative-procedures>.

Jason also mentioned the Community Development Block Grant – Disaster Recovery program. HUD has provided monies to areas that have had Presidentially declared disasters. You can find more information about this funding source at <https://www.hudexchange.info/programs/cdbg-dr/>.

We closed the meeting talking about the 2015 Wall of Wind Challenge held at FIU in May. This years’ challenge was to create a barrier to reduce the wind impacts of beach front property.

Here is the link to the WOW Challenge story by The Weather Channel:

<http://www.weather.com/tv/shows/amhq/video/students-vs-wall-of-wind>

Here is a link to the FIU News video story on the Challenge:

<http://news.fiu.edu/2015/05/high-school-students-test-engineering-skills-at-wall-of-wind-challenge/88448>



Notes of the September 16, 2015 Meeting

The meeting was held at the Miami Beach and the Botanical Gardens Auditorium in Miami Beach. We had 65 people representing 39 agencies. With an all-time high of 33 municipal representatives.

The meeting opened by welcoming our newest members to LMS. General announcements included the following:

- New guidance has been released from FEMA for the Unified Federal Environmental and Historic Preservation Review – [Guide for Federal Disaster Recovery Assistance Applicants \(Applicant Guide\)](#).
- Florida C2C Developing Emergency Plans: Artifact Salvage and Recovery Workshop, <http://www.ccaha.org/fundraising/grant-calendar/2015/03/06/cca-ha-s-risk-assessment-and-emergency-preparedness-program%20>. Deadline to apply is September 25th for a session at Frost Art Museum October 2nd.
- Training for Rapid Needs Assessment and Recovery from Disaster: Local Government Role will be held on October 5th and 6th here in Miami Dade. You can register at <http://trac.floridadisas-ter.org/trac/loginform.aspx>
- Agricultural Declaration for the Oriental Fruit Fly was declared on September 15 for more information go to http://www.freshfromflorida.com/content/download/62685/1424455/1626_001.pdf
- The National Exercise Program's pilot Climate, Adaptation, Preparedness and Resilience Exercise Seminar will be held at FIU on September 21-22nd. *If you are interested please email ASAP as this is an invitation only event and I will try to get you an invite.* This two-day seminar will engage community leaders to learn, discuss, and practice use of exercise methodology to build community resiliency and adaptation capabilities in order to address long-term hazards related to a changing climate. The expectation is that participants will rely on knowledge and tools promoted during the seminar to empower action within their own community. Participants will learn to design and deliver discussion-based exercises that identify the most critical, climate-related challenges within their respective jurisdictions. Seminar participants will receive access to a climate-related resource center that includes climate science information, exercise templates, adaptation and planning strategies, climate networking directory, and other references and resources necessary to plan and execute climate-related exercises.

Next LMS Quarterly Meeting

Wednesday, Sept. 16, 2015

9:30 a.m. to 11:30 a.m.

Miami Beach Botanical Gardens

2000 Convention Center Drive

Miami Beach, FL 33139

Free parking at the Convention Center; look for designated area.

All Working Group Members and the public are welcome to attend.

Next we talked about best practices for the Community Rating System. Miami Gardens has contracted with Miami Lakes to assist them with portion of their CRS program. This may be a good model to partner with another municipality for those communities that have not been able to hire a full time person to help launch or maintain their own CRS program.

Next Alfredo Quintero and Yenier Vega of the Town of Cutler Bay provided a wonderful presentation on the outreach that they are doing in their community to promote NFIP and emergency preparedness measures.

- Website postings include project updates, stormwater information, flood awareness and upcoming Town events. <http://cutlerbay-fl.gov/>
- Mailings to their entire community include informational brochures such as flood flyers, stormwater information, proper tree trimming and canopy uplifting and monthly project updates.

- Movie nights at the park, before the movies the Town shows public service announcements that they got from the internet including Only Rain Down the Drain clips <http://www.only-raindownthedrain.com/>
- Open mic nights where the Town hosts question and answer sessions.
- Mailings to properties in and near Special Flood Hazard Area, flood awareness brochures, flood zone flyers and FEMA brochures.
- Copies of outreach materials in the kiosks of local retail stores. If the store has one they will as to utilize some of the space, if they do not have a kiosk they provide one with permission.
- Copies of outreach materials and a booth at annual emergency management events, Hurricane Fair and Repetitive Loss Workshop
- Copies provided via door hangers during various Town activities

The Town actively tracks all of their outreach activities and when able will count the number of people who attend.



Yenier and Alfredo also presented the Enviroscape project that they do on an annual basis in schools within their jurisdiction. They go to one school each year and spend an entire day working with grades 2-6 educating them on runoff. There is a power point, a movie and probably the most fun of all a hands on interactive model where they kids can simulate grass clippings, pesticides and even doggie doo, with candy sprinkles. Then with spray bottles they can see how when it rains these things can become contaminants to our water supply. At the end of the day the Town leaves an interactive butterfly garden for the school. Here is the link to the company that they purchased their kit from <http://www.enviroscapes.com/>. Yenier demonstrated the power point presentation and how kid friendly it is. Their presentation includes lot of local pictures to help the kids visualize the impacts in their community. Yenier provide a very interesting statistic that one quart of oil is sufficient to contaminate one million gallons of water. They even discussed how household pet waste can pollute the water and how you should pick up the poo (...or train your dog to do it).



It was a great presentation and they very generously offered to make the word version of documents they have created available to others to customize.

Next we announced the official FEMA approval of the LMS and that we had received the letter on the 15th. I emailed that out to everyone at the beginning of the meeting so as not to ruin the surprise. We did discuss that though we have met this milestone that it was a little bittersweet as we did miss out on a funding opportunity due to the length of time it took to get this all done. We talked about the importance of participation and not just through attending meetings but by contributing to the LMS document, including municipal codes and local hazard impacts. We talked about how you remaining an active member is important and that if you do not remain active then that could jeopardize your ability to access mitigation funding. We discussed letters of support and how I am happy to provide them to you for any type of funding you may be applying for but you must be an active member of the LMS. Please allow 10 business days for your request to be processed. If you are going to apply for any type of grant please let the LMS Coordinator so that we can get you a letter of support and make sure your project is updated accordingly. We cannot support you if we do not know you are applying for funding.

Please do not wait until the deadline to apply for a grant. Get your application in early to help accommodate the State's review and allow for time to provide additional information as may be required. The State has told us that the two main important components to your project submittals are a really good project description and a good Benefit Cost Analysis (BCA) score. Once it is submitted the State will do additional reviews for technical, environmental and historical information.

Once you are awarded a grant, the work is just beginning and you need to let us know if you were awarded a grant and update the project. You will be required to fill out reimbursement forms over the life of the grant and do quarterly reports. It is extremely important that you provide full documentation of all costs associated with the project and that the numbers align. This will need to be done in a timely manner. Charles Cyrille (OEM) added that if you are a pass through agency for a grant that you may want to enter into a contract with the agency/homeowner that you are working with to ensure they understand their responsibilities in providing information for the grant. If they don't do it correctly you may be on the hook. Having a good documentation system is important and you may want to ensure that the way you are documenting things is acceptable to the State so you don't have headaches later on down the road and have to recreate your documentation.

Next we reminded everyone that their **annual updates are due by October 31st**. Mandatory fields have been added to the database to help ensure you don't miss any critical information.

The fields are highlighted in blue and have an asterisk next to them. You will not be able to save your project until you provide all of the required information.

We have also changed the Funding Status selection. You can select from the following:

(Select)
Grant Applied For
Grant Awarded
Identified Funding Source
Funding Secured
Potential or Secured

And we have made the Funding Source a fill in the blank section so you can specify where you are getting or where you think you might get the funding from. If you do not know, you can reference Part 3 of the LMS for funding ideas or put FMA, PDM or HMGP if you cannot find any other sources. A question was raised regarding the project status, if it is Future Unfunded, you would select Identified Funding Source and put the potential funding source in the fill in the blank section.

* Funding Source (Potential or Secured)

Record Details
* Agency Type: [Select]
* Agency: [Text]
* Project Title: [Text]
* Entry Type: [Select]
Original Date of Entry: 9/11/2015
Last Updated: [Text]
* Status: [Select]

Hazard
(Select)
Flood
Flood/Storm Surge
Health

Project Details
* Project Type: [Select]
* Address: [Text] [Get Address] [Map It]
Longitude: [Text]
Latitude: [Text]

Flood Basin
C1
C100
C102
C103

Project Completion
* Completion Time Frame: [Text]
* Mitigation Goals: [Select]
* Funding Status: [Select]
Is a Match Required? [Select]
Match Identified: [Text]

Starting in November the LMS Coordinator will start reviewing all projects in the list and if you have not updated projects this year, they will be marked Inactive and you will be notified. You will have until December 31, 2015 to comply with all update criteria. If you do not do so by that time your project will not appear on the updated list that gets sent to the State in January. At the March 16, 2016 meeting we will make a motion for all projects that had not been updated be permanently deleted.

Next up was Aimee Bojorquez, from OEM, who talked about the new Mapper feature in WebEOC for LMS. That's right we are literally and figuratively on the map now! And Jackson Health Systems was the first one to go in an map one of their projects after the meeting. So proud! Here is a quick tutorial on how to do the mapping. We will provide more detailed information soon. Mapper will work from Chrome and from IE if you have Adobe Flash.

Specific Site Addresses: Type the address into address field. In my testing I put just the street address and when I selected Get Address address it came back with the zip code and coordinates. Then you select Map It and it puts a plus sign on the map where your location is. If it does not find your address, you can select Map It and manually put the location on the map by selecting the little mailbox at the



bottom (Find Address) then select Find Coordinates

Find Coordinates 

Longitude:

Latitude:



And select Find, locate the area on the map and then copy the Longitude and Latitude into the project entry and select Map It. Verify that the location is correct.



Non-Site Specific Projects: Select a point within the project area to map the project for now. We are looking to see if we can actually create a polygon so you can display the area that is covered by the project.

Do your best for now to get as many projects mapped as possible. We will get you more details as soon as possible.

That concluded the meeting. Our next meeting will be on December 9th, at a location to be confirmed.

WebEOC log ins

As you are all getting ready to do your annual updates if you have any problems, e.g. forgotten how to log in, please let me know and I will work with you. If you already have a log in for WebEOC that is associated with your email we may be able to link the accounts so you don't have to remember multiple user names and passwords. Please let Cathie Perkins if you are interested in this.

Everyone was reminded to sign in and the next meeting date of December 9th was announced. The meeting was adjourned.

Notes of the December 9, 2015 Meeting

The meeting was held at the Miami-Dade Fire Rescue Training Center Auditorium in Doral. We had 61 people representing 45 agencies in attendance. The following items were discussed at the meeting:

Cathie Perkins, LMS Chair, opened the meeting welcoming new attendees. General announcements included:

- OEM will host another L-278 class in the February/March timeframe. This four-day class covers the Community Rating System Coordinator's Manual. Class size will be limited and priority will be given to local communities first.
- OEM has prepared a draft document to address CRS Activity 610, Flood Warning and Response. We have received some comments that are being integrated, once it is complete we will submit to ISO. We hope this will assist local communities with points for this activity.
- If you are a CRS community remember you need to do a local adoption of the LMS if you plan to use it as your floodplain management plan. Please send copies of your adoption to Cathie Perkins, so they can be kept on file and incorporated into Part 4 of the LMS. We also notify ISO as a courtesy.
- You are welcome to submit your Activity 510 to us as well. We will include it as an appendix to Part 7 of the LMS.
- SB 584 Flood Mitigation and Assistance was passed by the Senate Community Affairs Committee. SB 584 creates a matching grant program to provide up to \$50 million in technical and financial assistance to local governments to implement flood risk reduction policies and projects consistent with the coastal management element of a local government comprehensive plan, an approved local hazard mitigation plan, or an adaptation action plan. The current version of SB 584 can be found at <http://static.lobbytools.com/bills/2016/pdf/0584868432.pdf>

Next we had a presentation by Scott Davis, Director of Public Works for Miami Shores, on their recent king tide flooding issues and how they addressed it. Miami Shores recently experienced issues with flooding with the astronomical high tides with water coming over the canal banks and also up through some of their storm drains. They installed inflatable plugs in the storm drains that could be deflated in case of rain. This helped with the part of the problems they were faced with. They needed a temporary solution along their canals where they had limited public property. This area during other recent king tides had a "river of water" running into a development of 118 homes. They looked at a number of solutions including sand bags and decided to go

with a vendor called Trap Bags. (This should not be considered an endorsement of their products but this is an actual case study where this particular product was utilized by one of our LMS members.) The products is like an accordion barrier with reinforcements in it that you lay out and then fill with sand. Its lifespan is estimated at 5-10 yrs., some applications may require UV protection to expand the lifespan. The product successfully held back up to 2 ½ feet of water with no leakage. Miami Shores took it down after the event as

Next LMS Quarterly Meeting**Wednesday, December 9, 2015**

9:30 - 11:30 am

Miami-Dade Fire Rescue
Headquarters Training Facility
2nd Floor Auditorium
9300 NW 41 Street
Doral, FL 33178

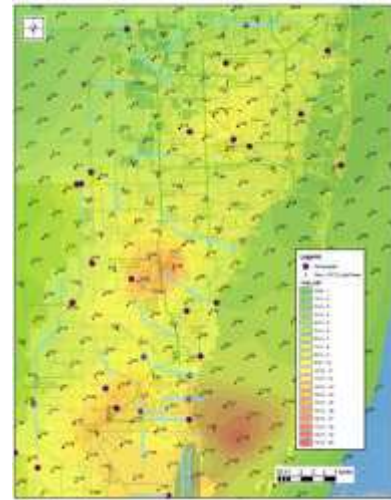
it was partially on private property and have identified a mitigation project of building a berm in this area for future king tides.

Next Marcia Steelman, Stormwater Utility Planning Division for Miami-Dade County, presented the maps that she created for the recent (early December) rainfalls. These maps illustrated the amount of rainfall for spans of 24 hours and 7 days and showed the accumulation in areas of the county. Marcia spoke to how with the recent rains that the groundwater table was higher than even a typical wet season and this impacted the ability of the rainwater to drain. The maximum infiltration into the ground is about 3 ½ inches per day so in areas where more than that amount fell in a short period of time or even 24 hours we saw ponding and flooding occurring. Cathie Perkins mentioned that these maps and rainfall and flood information was disseminated to a list of floodplain managers and public works personnel. Anyone wishing to be added to this list should contact Cathie. We have had some reports of residential and business flooding and the agricultural community was very hard hit and is collecting their damages to see if they are eligible for a USDA declaration or perhaps some SBA loans.

Next up was Rick Stauts, Executive Director for the Florida City Community Redevelopment Agency, to present on the newly completed (just in time) Friedland Manor drainage project. Rick talked about how they have pulled together numerous funding sources over the years going back to the early 2000's and some then El Niño funding. There are about 150 homes in the Friedland Manor area that experienced repetitive losses and for some events up to several feet of water in their homes. Florida City designed an underground drainage system with a ten acre holding pond. The water is pumped by two pumps, with a backup generator in case of power outages. The project was literally in its final stages but luckily far enough along when the rains came the first few days of December. Rick said at one point during the design they were going to do a five acre holding area and when DERM assessed the project they said they needed to do 10 acres. He recalled how at the time many people said they didn't need it to be that big because an event that required that much would probably not occur, but they got the extra land and expanded it to 10 acres. By Saturday morning, 3 ½ million cubic feet of water had been pumped into the holding pond, with water lapping over the top. Friedland Manor and all those homes were dry. Rick noted some glitches in their operations but their first big test of their mitigation project was hugely successful. Rick mentioned some additional projects that Florida City is looking at including culverts and an area around Palm Drive.

Thank you to both Scott and Rick for sharing their short and long term mitigation projects. Cathie mentioned how many times the great mitigation work goes un-noticed because the community was not impacted by flooding, they never know that the great work that you have done has actually helped them avoid a disaster.

7-DAY RAINFALL - 12/07/2015

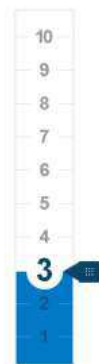


Next Erik Salna, FIU International Hurricane Research Center, provided us a great recap of the 2015 hurricane season and the potential impacts that we could be faced with for El Niño this winter. Rob Molleda from NWS Miami was kind to provide some slides since he could not be there. We can expect our winter to be wet with an increase in potential for severe weather after the New Year. There are more tornadoes in El Niño years than La Niña, tornado activity is most likely from February to April. Tornadoes are not very common in South Florida but we have had some and El Niño makes conditions “more favorable” for their development. We also saw that this year’s hurricane season was less than average and Erik showed a comparison of 2005 to 2015. 2005 was a La Niña year and that year saw an unprecedented number of storms. Erik talked about having a tornado survival kit, very similar to a hurricane survival kit, but really stressed the importance of a weather radio (or you can install an app on your smart phone) to alert people. Remember with tornadoes you do not get much warning time. The Storm Prediction Center in Norman, Oklahoma can model risk areas 2-3 days in advance so we should look for these advisories and then stay tuned to our local NWS Miami for additional watches and warnings. We can expect some lower than normal temps with El Niño, not necessarily freezing, but cooler.

Next up was Dan Rizza from Climate Central to talk to the group about the web tools that are available to communities on climate related research. Climate Central built the Surging Seas Risk Zone Map and Risk Finder as public web tools available at no cost. There may be some applicability of the Surging Seas app for CRS communities. Listed in the graphic here are potential CRS activities.

Dan talked about the capabilities of the tool such as data downloads and reports. Here is a link where you can learn more about the science behind the tool and how they developed it. <http://sealevel.climatecentral.org/ssrf/science-behind-the-tool>. Dan walked everyone through a quick demo of the tool and how you can select your area, put the level or sea level rise you want to assess risk for and then the subsequent data sets that are available. Copies of the handouts will be attached to the email for the LMS Information Bulletin or are available upon request from Cathie.

- Thousands of localized data downloads available for Florida at <http://sealevel.climatecentral.org/ssrf/florida>
- Access Surging Seas Risk Finder for other states: <http://sealevel.climatecentral.org/maps/risk-finder>



ISO/CRS Specialist Feedback on Surging Seas Applicability for CRS

“After some review, we have determined that there may be some CRS credit for the tool. Please note, for all of these activities, there are specific criteria and prerequisites that must be met, and credit may be subject to impact adjustments.”

1. Activity 320 – (MI3) Providing Sea Level Rise information, MI1 prerequisite, requires publicity and logs.
2. Activity 330 – Potential target audience with a PPI, all PPI criteria applies.
3. Activity 340 – Potential other hazard disclosure, requires regulations that require the SLR on deeds/plats.
4. Activity 410 – Potential higher study standard, depending on how the studies were conducted. Requires regulations that regulate to the SLR level.
5. Activity 510 – Can be useful in determining future conditions for hazard mitigation planning.”

CLIMATE CENTRAL

Dan would like very much to get feedback from communities and to discuss how they might be able to improve their tools to assist local communities. Dan can be reached at: drizza@climatecentral.org or 604-945-7821 <http://sealevel.climatecentral.org/maps/risk-finder>

Next Yahiritza Alvarez discussed the annual updates for projects. Currently there are 1016 active projects on the list. In total for 2015, 18 projects have been reported as completed for the year. For those of you who have not done an update in the last few months, please go in and mark any completed projects so they can be counted for this year. In about September we made some adjustments to some of the fields and also made it

so you cannot add a new or save an update to a project unless you have completed the mandatory fields. Please make sure you review your projects to ensure they have all the necessary info. We reiterated that a project should only be marked for “removal” if you actually want to have it permanently removed. When you complete a project it gets archived so we have historical record of it. You can access the archived projects for your agency under the “Archived” tab. (it is on your main page right next to the Active tab.)

Reminder to complete your BCRs. These should have been done by now. Remember if competitive funding becomes available this is one of the tools we use when prioritizing projects so this should be done for all projects you have in on the list. You do not have to do BCRs for projects that are underway or already completed.

We will continue to work with all of you to ensure your projects are up to date. There are a few dropdowns that contain an “other” option – we are going to be removing this in the future. If you have a suggestion for other items we need to add or consider, please let us know. This database is a work in progress but it is capturing so much and now that we are mapping, is a great illustration of where you are all mitigating.

Since we had time at the end of the meeting, believe it or not, we had Buzz Ward from Trap Bag talk on his product and he had a sample on the side of the room and brochures available. He showed how they have used it for Hurricane Sandy and other applications like for landslides in redirecting mud flow. For more information on their products you can go to buzz@trapbag.com 239-229-5285 www.trapbag.com

Our next meeting will be March 16, 2016. If anyone is interested in hosting, we need room for about 80 people and parking, let me know. One other announcement that was made was that Cathie Perkins was recently promoted to Planning Bureau Manager and an assurance that at this point will continue to be the Chair for the LMS. The meeting was adjourned.

2015 Meeting Attendance

	<u>2015</u>	<u>12/9/2015</u>	<u>9/16/2015</u>	<u>8/11/2015</u>	<u>7/9/2015</u>	<u>6/17/2015</u>	<u>3/19/2015</u>	<u>3/18/2014</u>	<u>3/18/2015</u>
<u>Organization</u>	<u>Total</u>	<u>Quarterly</u>	<u>Quarterly</u>	<u>CRS</u>	<u>CRS</u>	<u>Quarterly</u>	<u>Municipal</u>	<u>CRS</u>	<u>Quarterly</u>
Barry University	1						X		
Florida International University	5	X	X			X	X		X
Johnson and Wales University	1						X		
St. Thomas University	1								X
University of Miami	4	X	X			X	X		
Miami Dade College	4	X	X			X			X
International Hurricane Research Center	2	X				X			
University of Florida IFAS Extension	2	X							X
MD Cultural Affairs	1					X			
MD-Finance	2		X						X
MD - Fire Rescue	4	X	X			X			X
Office of Emergency Management	9	X	X	X	X	X	X	X	X
General Services Administration	3	X				X			X
MD-Library	3		X			X			X
MD - Management and Budget	1					X			
Office of Grants Coordination	4	X	X			X			X
MD-Parks, Recreation and Open Spaces	2	X	X						
MD-Police Department	1	X							
Public Housing Department	3		X			X			X
Public Works Department	5	X			X	X		X	X
MD-Port of Miami	2	X							X
MD-Regulatory and Economic Resources	1					X			
Environmental Resources Mgmt.	1	X							
Permitting (P&Z)	1								X
Planning (P&Z)	1					X			
Solid Waste Management	2	X				X			
MD-Transit	3	X	X			X			
MD-Water and Sewer Department	3	X	X						X
Vizcaya Museum and Garden	3	X				X			X
Miami Dade County Public Schools	4	X	X			X			X
FDEM	5	X				X	X		X
Florida Division of Children and Family	1							X	X

Florida Health in Miami-Dade County	1					X			
South Florida Water Management District	1								X
NOAA	1								X
Baptist Health	2		X						X
Citrus Health	4	X	X						X
Jackson Health Systems	4	X	X			X			X
Miami Beach Community Health Center	3		X			X			X
Miami Childrens Hospital	2					X			
Mount Sinai Medical Center	2		X						X
Aventura	2						X		X
Bal Harbour	3	X	X			X			
Bay Harbor	3		X		X		X		
Biscayne Park	2					X			X
Coral Gables	1								X
Cutler Bay	6	X	X	X	X	X	X		X
Doral	7	X	X	X	X	X	X		X
El Portal	3	X				X			X
Florida City	3	X	X						X
Hialeah	5		X		X	X	X		X
Hialeah Gardens	2					X	X		
Homestead	3	X	X						X
Key Biscayne	7	X	X	X	X	X		X	X
Medley	5	X	X		X		X		X
Miami	5	X	X		X	X	X		X
Miami Beach	5	X	X			X	X	X	X
Miami Gardens	4		X		X	X	X		
Miami Lakes	6		X	X	X	X		X	X
Miami Shores	2				X			X	
Miami Springs	2	X				X			
North Bay Village	2		X						X
North Miami	6	X	X	X	X	X	X		
North Miami Beach	6	X	X		X	X	X		X
Opa-locka	1			X					
Palmetto Bay	2					X			X
Pinecrest	3			X		X			X
South Miami	1								X
Sunny Isles	1	X							
Sweetwater	4	X	X			X			X
Virginia Gardens	3	X	X						X
Homestead Air Reserve Base	1						X		
AMEC	4	X	X			X			X

CRSMax	2						X		X
Moffatt and Nichole	1	X							
Aluces Corporation	3	X				X			X
Downtown Development Authority	2	X							X
ARCADIS	1					X			
FPL	3		X			X			X
Moffat & Nichol	1		X						
Walgreens	1								X
Guest	3								
Total Municipalities		22	33	7	13	22	16	4	27
Total County		21	17	2	2	24	11	2	20
Total State		1	0			2	1	1	3
Total Federal			0				1		1
Total Other		11	10			13	1		12
Total Colleges and Universities		6	5			4	5		5
Number of Agencies Represented		45	39	11	15	45	20	7	53
Total Individuals in Attendance		61	65	12	20	65	35	9	68