

Local Mitigation Strategy



Whole Community Hazard Mitigation Part 5: Meeting Minutes



December, 2013

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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.

1998

Minutes of the May 5, 1998 Meeting

Municipalities in Attendance

Aventura	Homestead	North Bay Village
Bal Harbour	Key Biscayne	North Miami
Bay Harbor Islands	Miami	Pinecrest
Coral Gables	Miami Beach	Sunny Isles Beach
Florida City	Miami Shores	Sweetwater
Hialeah Gardens	Miami Springs	

Others in attendance: Miami-Dade ITD, Miami-Dade DERM, State of Florida DEM, and the South Florida Regional Planning Council

The meeting began at 10:00 a.m. with a welcome from Chief Chuck Lanza and introductions from all in attendance. An agenda and an information packet were supplied to each attendee. The information packet included: The Local Mitigation Strategy: Cities and Counties Working Together to Build Disaster-Resistant Communities, a list of LMS tasks, and a sample Contractual Services Agreement between Miami-Dade County and a municipality. The video “Local Mitigation Strategy” was shown. Chief Lanza presented an overview of the Local Mitigation Strategy. The presentation was followed by a discussion of the program requirements.

The question was posed by Chief Lanza: Does this group agree that they will become the Working Group as defined in the Local Mitigation Strategy booklet and the contract for the purposes of completing the Local Mitigation Strategy? The Working Group will meet at least quarterly. The Working Group will meet again June 11, 1998, at the EOC at 10:00 am. The group agreed.

Chief Lanza posed the question: Does the Working Group agree that Hialeah, Miami, Miami Beach, Coral Gables, Homestead, North Miami, and North Miami Beach will be the Divisional Leaders Group? The group will meet monthly to bring issues to and from the Working Group and the Divisional Working Groups. The Divisional Leaders Group will meet May 19, 1998, at the EOC at 10:00 am. The Divisional Leaders will meet frequently with the Divisional Working Groups: The members of the Divisional Working Groups are:

- “ **Hialeah**-Hialeah Gardens, Medley, Miami Springs, Opa-locka, and Virginia Gardens

- “ **Coral Gables**- Pinecrest, South Miami, Sweetwater, and West Miami

- “ **Homestead**-Florida City and Islandia

- “ **North Miami Beach**-Aventura, Bal Harbour, Golden Beach, and Sunny Isles Beach

- “ **North Miami**- Bay Harbor Island, Biscayne Park, Indian Creek, and Surfside

- “ **Miami**-El Portal, Key Biscayne, Miami Beach, Miami Shores, and North Bay Village

Note: Cities in **bold** are members of the Divisional Leaders Group and have agreed to chair the respective Divisional Working Groups. The Working Group agreed.

Chief Lanza advised the Working Group that each municipality must send a letter of intent choosing one of the following options:

1. The municipality plans to fully participate in the creation of the Local Mitigation Strategy as defined in the Guidebook, or

2. The municipality plans to subcontract the responsibilities for the creation of the Local Mitigation Strategy, or

3. The municipality does not plan to participate in the creation of the Local Mitigation Strategy.

Chief Lanza asked that these letters be sent by May 19, 1998.

Chief Lanza provided a sample contract that all municipalities who choose to participate in the creation of the Local Mitigation Strategy (selection number 1) or who chose to subcontract for the creation of the Local Mitigation Strategy (selection number 2) must sign and return.

It is recommended that the Working Group consider identifying mitigation activities in the following five categories:

1. Regulatory actions and functions
2. Protection of critical facilities
3. Vegetation and landscaping
4. Coastal and floodplain management
5. Public awareness

The next meeting of the Working Group will be held on June 12, 1998 at the Miami-Dade Emergency Operation Center.

The meeting adjourned at 11:10 am.

Minutes of the June 12, 1998 Meeting

Municipalities in Attendance:

Aventura	Florida City	North Bay Village
Bal Harbour	Hialeah	North Miami
Bay Harbor Islands	Homestead	Pinecrest
Biscayne Park	Key Biscayne	Surfside
Coral Gables	Miami	

Others in Attendance:

Miami-Dade ITD	State of Florida DEM
Miami-Dade DERM	Miami-Dade Finance
Miami-Dade Planning Dept.	Miami-Dade FEMA Coordination
South Fla. Reg. Planning Council	South Fla. Water Management District

The meeting began at 10:00 am with a welcome from Chief Chuck Lanza. An agenda and an information packet were supplied to each attendee. The information packet included: a list of LMS tasks, and a sample inter-local agreement between Miami-Dade County and a municipality. Chief Lanza presented an overview of the Local Mitigation Strategy.

Frank Reddish, the emergency management coordinator for hazard mitigation was introduced. He spoke briefly on what constitutes a mitigation project.

Mike Gambino from Miami-Dade County Department of Environmental Resource Management (DERM) presented an overview of the National Flood Insurance Program as it pertains to floodplain management. He demonstrated how several floodplain initiatives could be included in the local mitigation strategy. Among the many benefits of the floodplain inclusion is an improvement in the community rating which could result in lower flood insurance premiums.

One of the requirements of the Local Mitigation Strategy process is that all participants submit critical facilities information. Rob Marton, the emergency management coordinator for hazardous materials presented the need for a "critical facilities inventory" and the required data elements. Karen Grassi, from Miami-Dade Information Technologies Department, demonstrated some of the applications that can be linked using GIS and the critical facilities inventory.

Irma Plummer presented the accomplishments of the North Miami Divisional EOC work group. The group has met twice. They have agreed to pool their resources to retain a consultant to write the group plan. North Miami will provide oversight to the consultant. An inter-local agreement between all cities in the group will be signed.

Letters of intent have been received from the following:

Aventura	Hialeah Gardens	North Bay Village
Bay Harbor Islands	Homestead	North Miami

Biscayne Park	Key Biscayne	Opa-locka
Florida City	Miami	Pinecrest
Hialeah	Miami Springs	Surfside

The members of the divisional working groups are:

- “ **Hialeah**-Hialeah Gardens, Medley, Miami Springs, Opa-locka, and Virginia Gardens

- “ **Coral Gables**-Sweetwater, Pinecrest, South Miami, and West Miami

- “ **Homestead**- Florida City and Islandia

- “ **North Miami Beach**-Aventura, Bal Harbour, Golden Beach, and Sunny Isles Beach

- “ **North Miami**- Bay Harbor Island, Biscayne Park, Indian Creek, and Surfside

- “ **Miami**-El Portal, Key Biscayne, Miami Beach, Miami Shores, and North Bay Village

Note: Cities in **bold** are members of the divisional leaders group and have agreed to chair the respective divisional working groups.

Chief Lanza reminded the Working Group that each municipality must send a letter of intent choosing one of the following options:

1. The municipality plans to fully participate in the creation of the Local Mitigation Strategy as defined in the guidebook, or
2. The municipality plans to subcontract the responsibilities for the creation of the Local Mitigation Strategy, or
3. The municipality does not plan to participate in the creation of the Local Mitigation Strategy.

It is recommended that the Working Group consider identifying mitigation activities in the following five categories:

1. Regulatory actions and functions
2. Protection of critical facilities

3. Vegetation and landscaping
4. Coastal and floodplain management
5. Public awareness

The follow meetings have been scheduled:

Group	Date and Time	Location
Divisional EOC leaders conference call	Wednesday, June 17, 1998 2:00 PM	Divisional cities
LMS Working Group	Friday, July 10, 1998 10:00 AM	Emergency Operations Center

The meeting adjourned at 11:15 am.

Minutes of the July 10, 1998 Meeting

Municipalities in attendance:

Aventura	Hialeah Gardens	Miami Beach	Opa-locka
Bay Harbor Islands	Homestead	Miami Shores	Pinecrest
Biscayne Park	Islandia	Miami Springs	South Miami
Coral Gables	Key Biscayne	North Bay Village	Surfside
Florida City	Medley	North Miami	Virginia Gardens
Golden Beach	Miami	North Miami Beach	West Miami
Hialeah			

Others in attendance:

Miami-Dade Finance	Miami-Dade Park & Recreation
Miami-Dade ITD/GIS	Miami-Dade Solid Waste Mgmt
Miami-Dade DERM	FL DEM
Florida International University	University of Miami
South Florida Regional Planning Council	

The meeting began at 10:00am with a welcome and comment from Chief Chuck Lanza who then introduced Frank Reddish.

Frank began by reminding all those who have not yet returned their letter of intent to participate to please do so. He also reminded the group to not forget the contract agreement. Each of the book-

lets to be used in developing the strategy was discussed for the benefit of those who have not yet received them. The booklets, by title, are: "The Local Mitigation Strategy, Cities and Counties Working Together to Build Disaster-Resistant Communities," "The Local Mitigation Strategy, A Guidebook for Florida Cities and Counties," "Workbook in Local Mitigation Strategy Development," and "Vulnerability Assessment Supplement, Part 1." Additional copies are on order and should be available soon.

It is the intent of the program to involve groups other than municipalities and a discussion was held on how to bring companies, private non-profits organizations and private citizens on board. It was noted that the University of Miami and FIU have both expressed interest in participating and are in attendance at today's meeting.

The list of deliverables was discussed and it was announced that the first delivery date has been postponed to be concurrent with the second delivery date, i.e. mid-September, 1998. The one deliverable that brought about the liveliest discussion seems to be the Critical Facilities Inventory. The discussion included questions of what constitutes a critical facility and how the loss could affect a community. Karen Grassi from Miami-Dade ITD/GIS offered her assistance in the inventory process. Chief Lanza pointed out that the inventory includes filling out a complete form, not just identifying a location (a copy of the form is attached and is also available from the OEM). He also stated that the county would complete the inventory for county owned facilities located within a city limit.

Each of the divisional committees was asked to give the group an update.

Coral Gables: David Brown of Coral Gables spoke on behalf of the group, which has decided to pool their grant funds to hire a consultant. He also stated that the University of Miami will be asked to contribute and feels certain that they will.

North Miami: Ken Cassel of Bay Harbor Islands spoke on behalf of this group and told us that they have completed their interlocal agreements and should be putting the project to bid very soon.

Miami: Grant Sheehan spoke on behalf of the group (which includes Miami Beach for purposes of the LMS). He told us that the group had met and was still undecided on how to use the funds.

Hialeah: Jim Borgmann of Miami Springs spoke on behalf of the group. They will meet again in the near future.

Homestead: Danny Formosa told us that this group had met once and will meet again soon. The City of Islandia has been added to the Homestead group for purposes of the LMS.

North Miami Beach: The group from North Miami Beach has not met yet but plans to do so soon.

This was the end of the LMS meeting. However, Chief Lanza invited Ed Garrison of Miami-Dade Finance Department to speak briefly concerning Section 404 hazard mitigation funds that are available as a result of the "Ground Hog Day" storms (FEMA-1204-DR-FL). Ed reminded the group that the deadline for applying is August 14, 1998. Ed can be reached at (305) 375-5080. Brett Mil-

ler from Florida Division of Emergency Management also added comments on the Hazard Mitigation Grant Program.

Finally, Chief Lanza spoke briefly on the "Y2K" problem. This is the issue of computer problems arising as a result of the year 2000. Parties with concerns are invited to contact the EOC at (305) 273-6700.

It was announced that the next meeting of the Local Mitigation Strategy working group would be held on Wednesday, August 12, 1998 at 10:00 A.M. at the Miami-Dade EOC.

The meeting was adjourned at 11:00 am.

Minutes of the August 12, 1998 Meeting

Municipalities in attendance:

Aventura	Florida City	Miami	North Miami Beach
Bal Harbour	Golden Beach	Miami Beach	Pinecrest
Bay Harbor Islands	Hialeah	Miami Shores	South Miami
Biscayne Park	Hialeah Gardens	Miami Springs	Surfside
Coral Gables	Key Biscayne	North Bay Village	Virginia Gardens
El Portal	Medley	North Miami	West Miami

Others in attendance:

American Red Cross	Johnson & Wales University
Miami-Dade Finance	M-D Planning, Regulation & Development
Miami-Dade GSA (Risk Management)	Miami-Dade Solid Waste Management
Miami-Dade DERM	University of Miami
Fla. Division of Emergency Management	Fla. Department of Transportation

Welcoming for the first time: American Red Cross, Johnson & Wales University and Miami-Dade Department of Planning, Regulation and Development.

The meeting began at approximately 10:15 a.m. chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank began with the announcement that all but three of our municipalities have sent in their letters of intent and a reminder to all those who have not yet completed the contract agreement to please do so. (Note to group: subsequently, all 30 municipalities have signed a letter of intent.)

A representative of each of our division EOCs reported on their progress:

Hialeah: Jim Borgmann of Miami Springs spoke on behalf of the group. They are in the process of choosing a consultant while working on their deliverables.

Coral Gables: Gina Romano of Coral Gables and Yocie Galiano Gomez of Pinecrest spoke on behalf of the group, which has decided to pool their grant funds to hire a consultant.

North Miami: Irma Plummer of North Miami spoke on behalf of this group and told us that they are putting the project to bid very soon and are also working to complete their deliverables.

Miami: Joe Fernandez of Miami spoke and told us that they have completed an interlocal agreement, which is compatible to all parties and that progress is being made on the project.

Homestead: Bennie Lovett of Florida City told us that they are making progress. The Homestead and Islandia representatives could not make it today.

North Miami Beach: The group from North Miami Beach has met several times now and has agreed to have a consultant do at least some of the work. They have contacted Parsons Engineering for a cost estimate. Dale Greer of North Miami Beach will be the lead for this group. There was a concern as to whether Sunny Isles Beach would participate in the program. (Note to all: In a telephone call following the meeting, Sunny Isles Beach agreed to participate.)

The Working Group was asked to consider developing a standard format for presenting the deliverable items especially those due prior to the final delivery. The use of an outline form was recommended, at least as an interim measure.

The traditional definition of a “Critical Facility” was reiterated; namely, any facility, the loss of which would adversely affect response and recovery efforts following a disaster event. The LMS program will expand upon this to include facilities, the loss of which goes well beyond response and recovery and will include facilities where the loss will affect the economic well being of the community through loss of revenues, jobs and/or repair and recovery costs. While the locations of most critical facilities are known, additional important data must still be collected.

A discussion was held on how to bring the private sector (i.e. companies, private citizens and others) on board. It was noted that there is continued and growing interest in participating by such groups and some are in attendance at today's meeting.

The list of deliverables was discussed and everyone was reminded that time is of the essence. Also, there has been some misunderstanding of the deliverable concerning the vulnerability assessment. What is due now is a list of data sources, such as flood plain management plans and engineering studies, which can be used for the vulnerability assessment.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be held on Tuesday, September 8, 1998 at 10:00 A.M. at the Miami-Dade Emergency Operations Center.

The meeting was adjourned at 11:00 am.

Minutes of the September 8, 1998 Meeting

Municipalities in attendance:

Aventura	Florida City	Medley	North Bay Village
Bal Harbor	Golden Beach	Miami	North Miami
Bay Harbor Islands	Hialeah	Miami Beach	North Miami Beach
Biscayne Park	Hialeah Gardens	Miami Shores	Pinecrest
Coral Gables	Islandia	Miami Springs	South Miami
El Portal	Key Biscayne		

Others in attendance:

American Red Cross	
Miami-Dade Building Code Compliance	Miami-Dade DERM
Miami-Dade Finance	Miami-Dade Housing Agency
Miami-Dade Water & Sewer	Miami-Dade OEM
Florida International University	Johnson & Wales University
Fla. Division of Emergency Management	South Florida Regional Planning Council

The meeting began at approximately 10:15 AM chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank began with the announcement that all 30 of our municipalities have sent in their letters of intent and a reminder to all those who have not yet completed the contract agreement to please do so.

A representative of each of our division EOCs reported on their progress:

Hialeah: The group is having a divisional meeting Wednesday morning, September 9th to finalize their September deliverables. The group has chosen the firm of Carr Smith Corradino to act as their consultant.

Coral Gables: Zully Williams, Coral Gables Public Works Supervisor will now chair this group. They will be meeting Friday, September 11th to finalize their deliverables.

North Miami: Ken Cassel of Bay Harbor Islands spoke on behalf of this group and told us that they are working to complete their deliverables.

Miami: Terry Remlin, representing the City of Miami, spoke and advised us that the group is completing their work based on the document prepared by Peter Kory of Key Biscayne. Copies of Peter's work have been distributed to the other groups as a guide.

Homestead: Bennie Lovett of Florida City told us that they are making progress. The Homestead representative could not make it today due to a death in the family.

North Miami Beach: Jules Bevis of Aventura has completed a draft of the September deliverables and presented it to the group from North Miami Beach. The group will expand on this draft.

There was a discussion of the updated list of critical facilities that had been received from Joe Myers, Director of Florida’s Division of Emergency Management. (A copy of the list and memo had been faxed to everyone earlier in the week.) The LMS program will expand upon this to include facilities, the loss of which will affect the economic well being of the community through loss of revenue and jobs. While the locations of most critical facilities are known, additional important data must still be collected.

The Working Group agreed to use the “Regional Dispute Resolution Process” from the South Florida Regional Planning Council as the guideline for our conflict resolution language. Chris Rose from the Miami-Dade Office of Emergency Management is doing the rewrite.

The list of deliverables was discussed and everyone was reminded that time is of the essence.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be held on Thursday, October 8, 1998 at 10:00 A.M. at the Miami-Dade EOC.

The meeting was adjourned at 11:00 am.

Minutes of the October 8, 1998 Meeting

Municipalities in attendance:

Coral Gables	Homestead	Key Biscayne	Virginia Gardens
El Portal	Miami Beach	North Bay Village	West Miami
Golden Beach	Miami Shores	South Miami	

Others in attendance:

Miami-Dade Building Code compliance	Miami-Dade DERM
Florida International University	Miami-Dade OEM

The meeting started at approximately 10:15 am chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Today’s sign-in requested that all attendee include an e-mail address if one is not already on file with the Working Group. More and more data is transmitted between the members using e-mail. Frank noted that a free e-mail account was available through Microsoft Corporation’s “hotmail” service (www.hotmail.com).

Critical facilities maps from Miami-Dade County Information Technologies Department’s GIS section were distributed to each municipal representative. Maps will also be distributed to all Working

Group members who could not attend today's meeting. All members are asked to review their maps and report any errors or omissions they might find.

Some of the municipalities still have not returned their signed agreements. Everyone was reminded to please get this done. The "closed for the summer" excuse is no longer valid. We still need a contract from El Portal, Florida City, Indian Creek Village, Islandia, Miami, Miami Springs, and South Miami.

The list of deliverables was discussed and everyone was reminded that time is of the essence. As of this meeting deliverables have not been received from Florida City, Hialeah, Miami and North Miami. Staff members of the Miami-Dade Office of Emergency Management who are knowledgeable in hazard mitigation are available to assist in finishing up the phase of the project.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be held in December 1998; the exact date and time to be announced in the near future.

The meeting was adjourned at 11:00 am.

Minutes of the December 8, 1998 Meeting

Municipalities in attendance:

Aventura	Indian Creek Village	North Miami
Bay Harbor Islands	Islandia	North Miami Beach
Biscayne Park	Key Biscayne	Opa-locka
Coral Gables	Medley	Pinecrest
El Portal	Miami	South Miami
Golden Beach	Miami Beach	Sunny Isles Beach
Hialeah Gardens	Miami Shores	Sweetwater
Homestead	North Bay Village	West Miami

Others in attendance:

American Red Cross	Carr Smith Corradino
Humane Society of Greater Miami	International Hurricane Center
Miami-Dade DERM	Miami-Dade Park & Recreation Department
Fla. Division of Emergency Management	Florida International University
South Florida Regional Planning Council	South Florida Water Management District
J & T Professional Associates	

Welcoming for the first time: John Lisk of the Humane Society, Joe Corradino of Carr Smith Corradino, Toni Riordan and John Lenaerts of J & T Professional Associates and Mercedes Barreras of South Florida Water Management District. New faces attending from on-board organizations are Marian Burns of the American Red Cross, Ricardo Alvarez of the International Hurricane Center,

Gil Delgado of Miami-Dade Park & Recreation Department and Sergio Purrinos of the City of Homestead.

The meeting began at approximately 10:15 AM chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

The meeting was opened with the announcement that our first two sets of deliverables had been sent in and have been approved by the Florida Division of Emergency Management. Special thanks were extended to Jules Bevis of Aventura, Zully Williams of Coral Gables and Peter Kory of Key Biscayne for the exceptional work they did in completing the assignments on behalf of the Working Group.

A representative of each of our division EOCs reported on their group's progress:

Hialeah: Has hired a consultant, the engineering-planning firm of Carr Smith Corradino to complete their participation and Joe Corradino of the firm was introduced to the Working Group.

Coral Gables: Zully Williams of Coral Gables spoke on behalf of the group, which had a meeting November 19th and will meet again December 10. She reports that things are progressing well.

North Miami: Irma Plummer of North Miami spoke on behalf of this group and told us that they have put the project to bid and will award the bid December 17th.

Miami: Joe Fernandez of Miami spoke and told us that the group had met December 1st to start work on the next deliverable and there are plans to meet again January 7, 1999.

Homestead: Bennie Lovett of Florida City could not attend today however, the Homestead and Islandia representatives are getting together following today's meeting [which they did].

North Miami Beach: The group from North Miami Beach met November 13, 1998 and has begun work on the next deliverables. Jules Bevis has agreed to continue as group leader and will serve on the steering committee. Their next meeting is planned for January 4th at 1:30pm.

Jan Brandt of Florida Division of Emergency Management (and our group's DCA/DEM advisor) was introduced and led a brief discussion on the importance of properly defining project priorities. He gave some good examples of how problems can arise without proper priorities being set. Jan also congratulated the group and was complementary of our earlier submissions.

Dr. Hugh Gladwin, director of the Institute of Public Opinion Research at Florida International University demonstrated the TAOS computer modeling software that has been supplied to the group by the state of Florida. He also showed us the other data that is stored on the CD-ROM along with TAOS. Copies of the disc are available to members of the Working Group.

All members of the Working Group are asked to develop a hazard mitigation project "wish list" and submit it to Frank by late December. A copy of the "wish list homework assignment" fax will be attached to the minutes.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be held on Tuesday, January 12, 1999 at 10:00 A.M. at the Miami-Dade EOC. The meeting was adjourned at 11:15 am.

In order to streamline some of the work process, a steering committee has been formed that is comprised of one representative from each of the regional groups, a representative of the county government and a member of the private sector. Engineering and planning consultants who have been hired by group members may be asked to join the steering committee in an advisory or ex officio capacity; Mr. Corradino for example. Mr. John Hulsey of the South Florida Regional Planning Council has also been asked to join the steering committee in an advisory capacity. The committee may entertain from time-to-time to ask representatives from county, state, federal and other agencies whose actions may impact the hazard mitigation process to sit in on meetings (e.g. South Florida Water Management District, Florida DOT or FEMA).

The steering committee members are:

- Jules Bevis, Aventura (North Miami Beach)
- Ken Cassel, Bay Harbor Islands (North Miami)
- Jorge Millan, Hialeah Gardens (Hialeah)
- Peter Kory, Key Biscayne (Miami)
- Zully Williams, Coral Gables (Coral Gables)
- Mike Gambino, Miami-Dade DERM (county)
- Ed Garrison, Miami-Dade Finance (UMSA)
- Marian Burns, American Red Cross (PNPs)
- Walt Peacock, FIU (Universities)
- Frank Reddish, Miami-Dade OEM (chairman)
- John Hulsey, South Florida Regional Planning Council (advisory)
- Joe Corradino, Carr Smith Corradino (private sector)
- Homestead to be named

emergency management



To: Local Mitigation Strategy Working Group

From: Frank Reddish

Subject: Homework Assignment

*** Developing your hazard mitigation project wish list ***

- All municipalities should make a wish list
- All county departments should make a wish list
- All colleges and universities should make a wish list
- All private non-profit organizations should make a wish list
- All private sector for-profit organizations should make a wish list

When in doubt – make a wish list

Wish lists may be long or short but should start with what you consider the most important project down through the project least important to your organization. Wish lists may be edited, amended, lengthened, shortened, increased, decreased, etc. Start anywhere; change it later; but **do it now**.

Projects may be complex or simple ... Projects may be large or small ... Projects may be costly or inexpensive ... Projects may be yours alone or shared with a neighbor ... Projects may be perfectly logical or totally crazy. But, projects not listed don't get done!

The wish list is a good starting point for this next phase of our strategy. Please try to send me your wish list before the end of the year. I'd like to work on them during that dull week between Christmas and New Year's Day. U.S. mail is fine (5600 SW 87 Avenue, 33173). A fax will work (305-273-6708). How about e-mail (reddish@co.miami-dade.fl.us). Or drop it off. Make my day – **send me a wish list**.

Note: John Patterson and Erle Peterson already did theirs. Joe Fernandez can use Grant's list. Ron Bliss' and Steve Sibert's lists should be interesting.

1999

Minutes of the January 12, 1999 Meeting

Municipalities in attendance:

Aventura	Homestead	Miami Springs
Bay Harbor Islands	Indian Creek Village	North Bay Village
El Portal	Key Biscayne	North Miami
Florida City	Medley	North Miami Beach
Golden Beach	Miami	Opa-locka
Hialeah	Miami Beach	Pinecrest
Hialeah Gardens	Miami Shores	Sunny Isles Beach

Others in attendance:

American Red Cross	Carr Smith Corradino
Humane Society of Greater Miami	International Hurricane Center
Miami-Dade Solid Waste	Miami-Dade Housing Agency
Fla. Division of Emergency Management	Fla. International University
ICF Kaiser Engineers	South Florida Water Management District

Welcoming for the first time: Ed Palacio of ICF Kaiser Engineering and Angela DeZayes of Florida International University physical plant. New faces attending from on-board organizations are Brian Hooten of the City of Opa-locka, Javier Acevedo from the city of North Miami Beach and Marta Silva of Miami-Dade Housing Agency.

The meeting began at approximately 10:15 AM chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

The meeting was opened with the announcement that payments for the first two deliverable periods have been mailed and should have been received by the municipalities. Any municipality not receiving a check should call Frank Reddish.

Homestead, Medley, Miami Beach and Miami Shores turned in critical facility location maps. Pinecrest, Homestead and Miami-Dade Housing Agency delivered mitigation wish lists. Those who have not as yet turned in these documents were reminded to please do so.

A representative of each of our division EOCs reported on their group's progress:

Hialeah: Met with their consultant, Joe Corradino, to develop the wish lists. The group met to discuss progress on Monday, January 11th.

Coral Gables: Yocie Galiano Gomez reported on behalf of the Coral Gables group. The group met December 10th and will meet again January 14th. She reports that things are progressing well.

North Miami: Irma Plummer of North Miami spoke on behalf of this group and told us that they have selected ICF Kaiser as their consultant, which should be confirmed by the city counsel tonight.

Miami: Frank Rollason chaired the meeting, which was held January 7th. Peter Kory explained how their group was proceeding. They will meet again soon.

Homestead: Florida City and Homestead representatives are getting together following today's meeting [which they did].

North Miami Beach: The group from North Miami Beach met January 4, 1998 and has begun work on the next deliverables. The group plans to "piggy back" on the North Miami consulting contract and hire ICF Kaiser to represent them.

Frank Reddish briefed the group on the progress of the steering committee that has been formed to deal with prioritization and with countywide issues. The members of the steering committee were introduced to all.

Bill DelGrosso, emergency management coordinator for community outreach, spoke to the Working Group about another program under development in Miami-Dade County. That is the Community Emergency Response Team (CERT) program. Bill introduced the program and invited members of the Working Group and their municipalities to participate.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be held on Thursday, February 12, 1999 at 10:00 A.M. at the Miami-Dade EOC.

The meeting was adjourned at 11:15 am.

Minutes of the February 12, 1999 Meeting

Municipalities in attendance:

Aventura	Hialeah	North Miami
Bay Harbor Islands	Hialeah Gardens	North Miami Beach
Bal Harbour	Homestead	Opa-locka
Biscayne Park	Key Biscayne	Pinecrest
Coral Gables	Medley	South Miami
El Portal	Miami Shores	Surfside
Florida City	Miami Springs	Virginia Gardens
Golden Beach	North Bay Village	West Miami

Others in attendance:

American Red Cross

Barry University

Carr Smith Corradino
Miami-Dade DERM
Florida International University
Miami-Dade Finance Department
South Florida Regional Planning Council

International Hurricane Center
Fla. Division of Emergency Management
Miami-Dade Community College
Miami-Dade Housing Agency

And, of course, our leader and caseworker, Jan Brandt from the State LMS program in Tallahassee.

Welcoming for the first time: George Webb from Barry University; David Lundgren from Miami-Dade Community College and Bashir Wayne from Florida Division of Emergency Management, Bureau of Recovery and Mitigation.

The meeting began at approximately 10:15 am chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Mr. Reddish announced that we now have the Section 302 hazardous materials locations for the entire county. He stated that there were a total of 192 known sites in Dade County and copies of the list will be distributed to all group members. Last year, there were 18 train wrecks (many also in Medley).

Mr. Reddish also reported that he would be e-mailing a compiled wish list of everyone's hazard mitigation initiatives, including the private sector.

Dr. Walter Peacock, Associate Director for Research, FIU Center for Engineering and Applied Sciences stated that The Arbiter of Storms (TAOS) modeling system provides hazard maps showing wind and water surges due to rainfall and storms (related to different categories) all laid out on the CD ROM. The models will show a municipality where the problems are likely to be. Mr. Reddish said the models would allow you to view a band of destruction and pinpoint where damage might occur (vulnerability) and to what extent on specific types of homes, such as wooden, mobile, etc. Jan Brandt stated that TAOS data is in GIS shape files. The CD ROM also includes ArcExplorer that enables you to open the shape files in GIS format. Critical facilities can only be added or revised if you have an ArcView station. Dr. Peacock said there are critical facilities (shelters) on the CD ROM, if you have ArcView you should be able to interpret the data.

Mr. Peter Kory, Village of Key Biscayne, discussed the definition of initiatives. Initiatives should be handled at the county level and those should provide the basis for municipalities to define projects. Mr. Brandt said the state had changed the word project to initiatives to encourage more than just structural type projects such as public education programs.

Mr. Brandt discussed funding; projects are funded as funding becomes available and not all projects in each LMS will be funded due to that particular availability. Ms. Zully Williams, city of Coral Gables, asked how the state will evaluate the applications for funding in the future; currently applications are selected based on how they are written and the documentation submitted. Mr. Brandt stated that the state might look to the County LMS to endorse the application. Also, the state will consider whether to award more points to those projects that have endorsements by the LMS group. Dr. Peacock stated that there was a resource identification list on the State's website:

www.state.fl.us/comaff.

Frank Reddish briefed the group on the progress of the steering committee and the members of the steering committee were, once again, introduced to all. Mr. Reddish reported that the Steering Committee had also discussed an approach to broad countywide projects narrowing to the municipal level. There were also political ramifications to selecting a project, and what should be the provisions placed on projects to survive politically as well as the practically. Also there is the relationship between municipalities and the county and other agencies such as the American Red Cross that has taken a national interest in mitigation. The issue is putting all the organizations together to accomplish the LMS without friction. Mr. Brandt discussed Volusia County, for example, have 17 municipalities and a consultant. There is a list of projects within that LMS which represents an implementation plan and there are projects listed for each municipality (tiered). The Volusia LMS will also list the top 3 as prioritized by the county. Another county has left the prioritization up to the steering committee, with 1 vote per municipality and the municipality cannot vote for any other their projects. Mr. Jorge Millan, Village of Hialeah Gardens, suggested not using mitigation initiatives and addressing regional issues. Mr. Reddish stated that the “wish lists” will only be used as a tool to focus a municipality on developing a mitigation project list and help the county identify what projects are shared by more than one municipality and what projects are unique to a municipality.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be held on Thursday, February 11, 1999 at 10:00 A.M. at the Miami-Dade EOC.

The meeting was adjourned at 11:15 am.

Minutes of the March 10, 1999 Meeting

Municipalities in attendance:

Aventura	Hialeah	North Miami Beach
Bay Harbor Islands	Hialeah Gardens	Opa-locka
Bal Harbour	Homestead	Pinecrest
Biscayne Park	Key Biscayne	South Miami
Coral Gables	Medley	West Miami
Golden Beach	Miami Shores	

Others in attendance:

American Red Cross	Barry University
Carr Smith Corradino	International Hurricane Center
Miami-Dade DERM	Florida International University
Miami-Dade Community College	Miami-Dade Finance Department
Miami-Dade Housing Agency	ICF Kaiser
Jackson Memorial Hospital/Public Health Trust	
University of Florida, Institute of Food and Agricultural Sciences	

Welcoming for the first time: Don Pybas, director of the Agriculture Extension Service of the University of Florida's Institute of Food and Agricultural Sciences, Frank Meistrell, risk manager from Miami-Dade Community College and Wayne Ferdinand of Jackson Memorial Hospital and the Public Health Trust.

The meeting began at approximately 10:15 AM chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank announced that the first phase of the critical facilities maps is complete and new maps are being printed and will be delivered in the next couple of weeks.

A representative of each of our division EOCs reported on their group's progress:

Hialeah: They have been meeting with their consultant, Joe Corradino, and are very close to completing this assignment.

Coral Gables: Zully Williams announced that she has accepted the position of assistant town manager in Islamorada but will complete the 3rd period deliverables for the Coral Gables group. We will miss her and her good work. Yocie Galiano Gomez of Pinecrest has agreed to be the representative for the group in the future.

North Miami: Ed Palacio of ICF Kaiser spoke on behalf of this group and told us that they have been meeting and are on target for completion by march 26th.

Miami: Peter Kory has completed the work for Key Biscayne. El Portal, Miami Shores, Miami Beach and North Bay Village are all progressing. The City of Miami has missed the last two meetings, has reported no progress and has not delivered any required material. The county intends to complete the City of Miami's portion of the Local Mitigation Strategy so that our deliverables will be total.

Homestead: Florida City and Homestead representatives are making progress and should be submitting documents within 30 days. Islandia reports by phone that since the National Park Service (They are completely within Biscayne National Park) controls their entire infrastructure they really don't have anything to mitigate.

North Miami Beach: Ed Palacio of ICF Kaiser also represents the group from North Miami Beach and the next deliverables will be ready March 26th. Nannette Murray of Sunny Isles Beach has agreed to represent this group in the future and will serve on the Steering Committee.

Frank Reddish briefed the group on the progress of the Steering Committee that has been formed to deal with prioritization and with countywide issues. The committee met February 22nd at Florida International University's Center for Engineering and Applied Sciences and was hosted by Dr. Walter Peacock and the International Hurricane Center.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be announced in April 1999.

The meeting was adjourned at 11:30 am.

Minutes of the June 15, 1999 Meeting

Municipalities in attendance:

Aventura	Hialeah	Miami Beach
Bay Harbor Islands	Hialeah Gardens	Miami Shores
Biscayne Park	Homestead	Pinecrest
Coral Gables	Key Biscayne	South Miami
El Portal	Medley	Sweetwater
Florida City	Miami	West Miami
Golden Beach		

Others in attendance:

Carr Smith Corradino	International Hurricane Center
Miami-Dade DERM	Florida International University
Humane Society of Greater Miami	ICF Kaiser
Miami-Dade Community College	Miami-Dade Finance Department
Miami-Dade Housing Agency	Miami-Dade Public Works
Miami-Dade- Park & Recreation	Storm Soft Mooring Systems, Inc.
South Florida Water Management District	FL DEM Area 7 Coordinator
University of Florida, Institute of Food and Agricultural Sciences	

Welcoming for the first time: Joe Garafalo, extension agent, Agriculture Extension Service of the University of Florida's Institute of Food and Agricultural Sciences; Dulce Sirgado and John Patterson from Miami-Dade Public Works; Roy Radcliffe, Humane Society of Greater Miami; and new municipal representatives Mercedes Sosa, newly appointed assistant manager for Bay Harbor Islands and Domingo Moya, grant coordinator for the City of Sweetwater.

The meeting began at approximately 10:30 AM chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank reminded everyone that those who have completed their 3rd Contract Period deliverables should submit an invoice for the payment of 40% of the municipalities' total grant. Also, the critical facilities maps have been reprinted and delivered. Corrections should be completed in the next couple of weeks and new maps will be printed and will be delivered once again. Eventually these maps should be 100% correct.

Frank Reddish briefed the group on the progress of the Steering Committee that has been formed to deal with prioritization and with countywide issues. The committee met June 10, 1999 at the Sunny

Isles Beach city hall and was hosted by Nannette Murray. The committee also discussed which actions should be taken following the August 31, 1999 LMS conclusion.

As a result of the Steering Committee report, it was requested that each member of the Working Group discuss with their respective municipalities or organizations as to what we should do as a group once the program ends in August. This will be brought up for discussion at the next Working Group meeting.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be July 13, 1999 and would be a joint meeting with the Y2K and Satellite EOC groups.

The meeting was adjourned at 11:30 am.

Minutes of the July 13, 1999 Meeting

Municipalities in attendance:

Aventura	Golden Beach	Miami	North Miami Beach
Bay Harbor Islands	Hialeah	Miami Beach	Opa-locka
Coral Gables	Hialeah Gardens	Miami Shores	South Miami
El Portal	Homestead	North Bay Village	Sweetwater
Florida City	Key Biscayne	North Miami	West Miami

Others in attendance:

American Red Cross	Carr Smith Corradino
DERM	Florida International University
Humane Society of Greater Miami	International Hurricane Center
Institute for Public Opinion Research	Miami-Dade Community College
Miami-Dade Finance Department	Miami-Dade Housing Agency
Miami-Dade- Park & Recreation	Miami-Dade Public Works
Public Health Trust (Jackson Memorial Hospital)	

Welcoming for the first time: Rosemary Wascura, new acting town manager for Golden Beach.

The meeting began at approximately 10:30 a.m. following a meeting and presentation of Y2K planning and preparation by various county departments and by representatives of Florida Power and Light (FPL), the Federal Reserve Bank and the banking industry. The LMS meeting was chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank reminded those who have completed their 3rd Contract Period and still not submitted an invoice to please do so. Those that have, have already been paid.

Frank Reddish briefed the group on the progress of the Steering Committee that has been formed to deal with prioritization and with countywide issues. The committee met July 8, 1999 at the Montgomery Botanical Center in Coral Gables. The committee once again discussed which actions should be taken following the August 31, 1999 LMS conclusion. As a result of the Steering Committee report, it was requested that each member of the Working Group discuss with their respective municipalities or organizations as to what we should do as a group once the program ends in August. This will be brought up for discussion at the next Working Group meeting.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be August 12, 1999. The meeting was adjourned at 11:30 am.

The Local Mitigation Strategy Working Group

Minutes of the August 12, 1999 Meeting

Municipalities in attendance:

Bal Harbour	Hialeah	Miami	North Miami
Bay Harbor Islands	Hialeah Gardens	Miami Beach	North Miami Beach
Biscayne Park	Homestead	Miami Shores	Opa-locka
El Portal	Indian Creek	Miami Springs	South Miami
Florida City	Key Biscayne	North Bay Village	West Miami
Golden Beach			

Others in attendance:

Carr Smith Corradino	International Hurricane Center
DERM	Florida International University
Humane Society of Greater Miami	Florida DCA/DEM
Miami-Dade Finance Department	Miami-Dade Public Works
Miami-Dade Housing Agency	South Florida Regional Planning Council
University of Miami	

Welcoming for the first time: Dr. Charles Gottlieb, director of Environmental Health and Safety for the University of Miami and recently appointed emergency management coordinator for the City of Hialeah, John Seay

The meeting began at approximately 10:30 am chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank reported that the disaster recovery class had been successful with over fifty in attendance. Also, the hurricane evacuation shelter evaluation program has been very successful with over 300 engineers, architects and building inspectors having completed the two-day course. Having this many qualified inspectors in the county will greatly advance our shelter program that is one of the countywide initiatives and of concern to all.

Frank Reddish gave a final briefing to the group on the Steering Committee progress in prioritizing the countywide issues. The committee also discussed which actions should be taken following the August 31, 1999 LMS conclusion. A show-of-hands vote was taken to determine how many members of the Working Group wished to continue after August 31st even if the state does nothing. The vote was virtually unanimous.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be in September with an actual date to be announced in the near future.

The meeting was adjourned at 11:30 am.

The Local Mitigation Strategy Working Group

Minutes of the September 22, 1999 Meeting

Municipalities in attendance:

Aventura	Hialeah Gardens	Miami	North Miami Beach
Bal Harbour	Homestead	Miami Shores	Opa-locka
Bay Harbor Islands	Indian Creek	North Bay Village	South Miami
Florida City	Key Biscayne	North Miami	West Miami
Hialeah			

Others in attendance:

American Red Cross	Carr Smith Corradino
DERM	Fla. International University
Humane Society of Greater Miami	International Hurricane Center
Johnson & Wales University	Miami-Dade Finance Department
Miami-Dade Housing Agency	Miami-Dade Park & Recreation
Miami-Dade Public Works	Miami-Dade Solid Waste Management
South Florida Regional Planning Council	University of Miami

Welcoming for the first time: Vern Weatherholtz, the new public works director for North Bay Village, Darin Baldwin from Florida City, Carlos Perez from North Miami and Dale Botwin from the Humane Society of Greater Miami

The meeting began at approximately 10:00 a.m. chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank welcomed everyone to the “first meeting” of Phase II of the Local Mitigation Strategy, Phase I having officially ended on August 31st following a vote by the Working Group to continue with the program after August.

It was announced that the Local Mitigation Strategy document is complete and will go to Tallahassee next week. Frank Reddish then asked the Working Group to approve the final document by a

show of hands. The vote to approve was unanimous. There will, however, be some time during the next week to add any final items that a member might have.

The floor was then turned over to Mr. Erle Peterson of the Miami-Dade Office of Emergency Management who, along with representatives from the Department of Environmental Resource Management (DERM), Solid Waste Management and the Park & Recreation Department presented the “Coordinated Debris Clearance” (CDC) plan. This plan has been developed because the debris problem has been determined to be the highest priority on our LMS list of countywide initiatives. After a lively discussion and question and answer period it was determined that each community would study the issue and present proposals and recommendations prior to the next LMS meeting.

At this point Frank Reddish explained about the emergency declaration for Hurricane Floyd and held a mini-briefing for the members that had costs associated with Hurricane Floyd. The proper FEMA forms were passed out and all eligible members of the Working Group were encouraged to fill out the Request for Public Assistance right now at the meeting. And, true to our cause, we will try to get hazard mitigation money through Hurricane Floyd.

It was announced that the next meeting of the Local Mitigation Strategy Working Group would be in November with an actual date to be announced in the near future.

The meeting was adjourned at 11:30 am.

2000

Minutes of the March 8, 2000 Meeting

Municipalities in attendance:

Aventura	Indian Creek	North Miami
Bay Harbor Islands	Key Biscayne	North Miami Beach
Biscayne Park	Medley	Opa-locka
Coral Gables	Miami Beach	Pinecrest
Hialeah	Miami Shores	Sunny Isles Beach
Homestead	North Bay Village	Sweetwater

Others in attendance:

American Red Cross	Eden, Inc.
Carr Smith Corradino	International Hurricane Center
ICF Consulting	Pistorino & Alam Engineering
Humane Society of Greater Miami	Citrus Health Network
Jackson Memorial Hospital	Fla. International University
Johnson & Wales University	University of Miami
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade Housing Agency	Miami-Dade Public Works
Miami-Dade Water & Sewer	Miami-Dade Cooperative Extension Service
Federal Bureau of Investigation	National Park Service
University of Florida, Institute of Food and Agricultural Sciences	

Welcoming for the first time: Alex Garcia, Special Agent, FBI; Jeffery Scott, Planner, Everglades National Park; Bob Panko, Fire Officer, National Park Service; John Pistorino, Dean Carlson and Tony Grau of Pistorino & Alam Consulting Engineers; Frank Morales of Jackson Memorial Hospital and the Public Health Trust; Ken Forbes and Bob Roach of Eden, Inc.; Remi Pando of Citrus Health Network; Steven Simonton, Johnson & Wales University.

The meeting began at approximately 9:00 am chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Frank announced that our LMS caseworker, Robert Neff went and got a real job and our new LMS person at DCA in Tallahassee will be Hank Erickson.

Upcoming classes here at the EOC will be Hurrevac (hurricane tracking software) training, Resource Management, proper tree trimming for hurricane season and a discussion on hurricane forecasting by Jim Lushine, Warning Coordination Meteorologist from the National Weather Service's Miami Forecast Office.

Special Agent Alex Garcia of the Federal Bureau of Investigation gave a presentation on the potential infrastructure problems occurring recently because of computer hackers. Agent Garcia heads a

national FBI taskforce known as the National Infrastructure Protection and Computer Intrusion Program (NIPCIP).

Dr. Charles Gottlieb of the University of Miami addressed the group with details of the FEMA sponsored Disaster Resistant Universities program which is part of "Project Impact." Miami is one of nine universities throughout the United States participating in the pilot program, which is administered through the University of California, Berkley. Once the bugs are worked, the program will be made available to all schools around the country.

Lt. Les Forster of Miami-Dade Fire Rescue gave a presentation on the Community Emergency Response Team (CERT) program. Les explained the program to the group and told us that now that the neighborhood program is up and running the CERT group wants to expand to include business teams as well and teams at the local colleges. The message went over well and John Pistorino, president of the engineering firm, Pistorino & Alam, who was in attendance today, volunteered his company to be the first to sign on. Joe Corradino of the firm Carr Smith Corradino also was interested. The University of Miami, Florida International University and Johnson & Wales University all expressed interest. Don Pybas, director of the Miami-Dade County Agricultural Cooperative Extension Service asked whether the release of liability to the county applied to county employees. Good question; we need to get an answer.

A letter dated February 29, 2000 from Shirley Collins bureau chief for the Bureau of Recovery and Mitigation, FDEM, to our Emergency Management director Chuck Lanza was introduced to the group (copies circulated to all). This letter details the direction FDEM is going with Local Mitigation Strategy. Of special importance to the LMS Working Group is the fact that LMS participation is a requirement for a number of grants. The project will only be accepted if it is part of LMS for some grant programs while other grant programs give a competitive advantage to LMS projects.

This lead to a discussion about how often the LMS "master document" should be updated with completed projects removed and new ones added. The Working Group decided that every four months would be best. The Steering Committee will determine the dates for the updated documents to be forwarded to FDEM in Tallahassee.

It was also decided to change the format of our master LMS document slightly. In the future the document will be divided into three parts: The Strategy, The Projects, and The Funding Sources followed by the appendices. This should make amending the document easier by permitting the changes to one part without affecting the other two.

The LMS Working Group also confirmed that it will continue to meet quarterly and the Steering Committee will meet monthly or as needed.

The LMS Working Group meeting adjourned at 10:00 a.m. followed by a meeting of the Steering Committee. Interested parties were invited to stay.

The LMS Steering Committee meeting began at approximately 10:15 a.m., March 13th. Members in attendance were: Ken Cassel, City of Homestead; Joe Corradino, Corradino Group; Yocie Galiano Gomez, Village of Pinecrest; Mike Gambino, Miami-Dade DERM; Ed Garrison, Miami-Dade

Finance Department, Hugh Gladwin, Florida International University; Peter Kory, Village of Key Biscayne; Frank Reddish, OEM; Iñaki Rezola for Marian Burns, American Red Cross; Mercedes Sosa, Town of Bay Harbor Islands.

The Committee discussed when would be the best time to publish updated versions of the Local Mitigation Strategy. It was concluded that it would be best to publish immediately prior to hurricane season, which begins June 1st of each year. Therefore the first update will be sent to Tallahassee on May 31, 2000 and updates will continue every four months thereafter unless the LMS Working Group amends the schedule. For the year 2000, updates will be May 31 and September 30 and then on January 31, 2001. Miami-Dade Office of Emergency Management will act as the clearinghouse for all amendments.

It was agreed that in order to allow proper assembly of the documents, all updated materials must be received at the Office of Emergency Management one month prior to the publication date (i.e. April 30, September 30 and December 31).

The LMS Steering Committee adjourned at 10:30 am and reconvened as the Evacuation Restudy Committee. The Evacuation Committee minutes are filed separately.

Minutes of the June 7, 2000 Meeting

Municipalities in attendance:

Aventura	Indian Creek	North Bay Village
Biscayne Park	Key Biscayne	North Miami
Coral Gables	Medley	North Miami Beach
Florida City	Miami	Opa-locka
Hialeah	Miami Beach	Sunny Isles Beach
Homestead	Miami Shores	Sweetwater
West Miami		

Others in attendance:

American Red Cross	Eden, Inc.
Homestead Hospital	International Hurricane Center
Humane Society of Greater Miami	Citrus Health Network
Jackson Memorial Hospital	Fla. International University
Johnson & Wales University	University of Miami
Miami Bridge	Miami-Dade Building Code Compliance
Miami-Dade County Public Schools	Miami-Dade Community Action Agency
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade GSA	Miami-Dade Housing Agency
Miami-Dade Water & Sewer	Miami-Dade Cooperative Extension Service
Municipal Solutions	The Village
South Florida Regional Planning Council	

U.S. Department of Housing and Urban Development, Florida State Office
U.S. Department of Labor, Homestead Job Corps Center

Welcoming for the first time: Morris Mays, Miami-Dade Community Action Agency; Sandra Jenkins, Homestead Hospital; Frank Mitchell, Rudolph Funn and Paul Hoberling, U.S. Dept. of Labor, Homestead Job Corps Center; Al Cazzoli, U.S. HUD; Margaret Moss, Miami Bridge; Norry Lynch and Carol Echs, Miami-Dade County Public Schools; Ron Hughes, Johnson & Wales University; and Jose Rodriquez, The Village. Tekeia Clark has moved from Solid Waste Management to GSA and Vivian Duyos now represents SWM.

The meeting began at approximately 9:00 AM, chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

It was announced that the Miami-Dade County Board of County Commissioners, on Tuesday, June 6, 2000, passed a resolution formally adopting the Local Mitigation Strategy as presented by the LMS Working Group. Congratulations to all.

Upcoming classes here at the EOC will be proper tree trimming for hurricane season. A tree-trimming program is a high priority in our LMS. Joseph Garofalo, Ph.D., urban horticulture specialist at the county Cooperative Extension Service and the Institute of Food and Agricultural Sciences will demonstrate to proper tree trimming techniques to best ensure a tree's surviving a hurricane as well as information on the best and worst trees for hurricane survival. Matt King from Miami-Dade County Department of Environmental Resources Management (DERM) will discuss the laws governing trees and pruning. Ideas and suggestions for future training classes will be appreciated.

Linda Bell with the State of Florida, Division of Emergency Management joined us to speak about the National Flood Insurance Program and the Community Rating System. In Miami-Dade County there are fifteen municipalities that are not part of the Community Rating System. This is a program to lower flood insurance premiums and it would be extremely beneficial if all our cities belonged to the program. It will be a goal of the LMS Working Group to enroll the entire county in CRS and this goal will be added to our top LMS priority, that of reducing flooding and flood damage.

Peter Kory, Key Biscayne representative and member of the steering committee has volunteered to lead the CRS effort. Ken Rock of IFC Consulting has agreed to assist Peter. Following this meeting, Linda and Peter will meet with the representatives of the proposed new CRS members. Those present today are: Biscayne Park, Florida City, Homestead, Indian Creek, Medley, North Bay Village, Opa-locka, Sweetwater and West Miami. Peter has contacted all those not in attendance (Hialeah Gardens, South Miami, Pinecrest, Sunny Isles Beach and Virginia Gardens) except for the Village of El Portal. Hopefully we will reach them soon. This CRS effort will be a sub-committee under the LMS Flood Reduction Committee.

Everyone was reminded of the latest edicts emanating from FDEM wherein participation in the LMS is a requirement for a number of grants including the Hazard Mitigation Grant Program and the Flood Mitigation Assistance Program.

The LMS master document is almost ready for publication of the latest update. Publication was delayed so that the Board of County Commissioners resolution can be included in the document. Any changes including additions deletions and amendments should be sent in within the next week. The format of our master LMS document has been changed as recommended by the Steering Committee following the last meeting. The document is now divided into four parts: The Strategy, The Projects, and The Funding Sources followed by the appendices.

The LMS Working Group also confirmed that it will continue to meet quarterly and the Steering Committee will meet monthly or as needed. The next Working Group meeting will be Thursday, September 7, 2000 at 9:00 AM at the EOC.

The LMS Working Group meeting adjourned at 10:30 a.m. followed by a meeting of the Community Rating System Committee. Interested parties were invited to stay.

Minutes of the September 7, 2000 Meeting

Municipalities in attendance:

Aventura	Medley	Miami Springs
Biscayne Park	Miami	North Miami
Coral Gables	Miami Beach	Opa-locka
Homestead	Miami Shores	Pinecrest
		West Miami

Others in attendance:

American Red Cross	BellSouth Telecommunications
Catholic Charities	Citrus Health Network
DRC, Inc.	Fla. International University
Humane Society of Greater Miami	Hurricane Protection Industries
International Hurricane Center	Johnson & Wales University
University of Miami	Miami-Dade County Public Schools
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade Park & Recreation	Miami Museum of Science
Miami-Dade Water & Sewer	Miami-Dade Cooperative Extension Service

Welcoming for the first time: Frances Spiegel, who has replaced Marian Burns as our Red Cross representative (Marian is off to law school), Roger North, who has replaced John Faller as our representative from BellSouth, Kathie Janik, who has replaced Jules Bevis as our representative from the City of Aventura, Bruce Netter and Martin Terris from Catholic Charities of the Archdiocese of Miami, David Schrier from DRC Inc., Victor Vincent and John Lawrence from the Miami Museum of Science.

The meeting began at approximately 9:30 AM, chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

Upcoming classes here at the EOC will be proper “cost/benefit analysis and environmental concerns” at 9 AM, September 12th, taught by instructors from Florida DEM. Additionally, there will be a brainstorming session concerning the high-rise building dilemma or what to do about people trapped in high-rise buildings in the aftermath of a storm. Folks from the International Hurricane Center at FIU will also make a presentation. This is a part of our on going evacuation restudy.

Joy Klein, from the Department of Environment Resource Management (DERM) and Joe Maguire, from the Park and Recreation Department’s Natural Areas Management section spoke to the group concerning the progress of our controlled or prescribed burn program. This program addresses one of the countywide initiatives in the Local Mitigation Strategy; that of wildfires which occur all too often in Miami-Dade County. Under Joy’s leadership, the LMS Working Group is forming a wild-fire mitigation committee with Joy and Joe as well as Bob Panko, chief fire officer from Everglades National Park, assistant chief Cynthia Sears of Miami-Dade Fire Rescue, Laura Geselbracht of the Nature Conservancy, Roman Gastesi of South Florida Water Management District and Don Pybas of the University of Florida’s Institute of Food and Agricultural Sciences and the Cooperative Extension Service. We are also asking the Florida Division of Forestry and the state Department of Environmental Protection to join the committee. Other interested members of the LMS Working Group are invited to participate.

Peter Kory, Mike Gambino and Frank Reddish of the Flood Reduction Committee met with Yusaf Mustafa from Florida DCA to discuss floodplain management and addressed the issue of NFIP “repetitive loss properties.” The committee tried to explain that real estate prices in Miami-Dade County make buyouts of the repetitive loss properties unrealistic. The committee has been able to get a commitment from Florida DEM for a \$50,000 Flood Mitigation Assistance grant to help attain our goal of 100% participation in the Community Rating System (CRS) program.

Everyone was reminded once again of the latest edicts emanating from FDEM wherein participation in the LMS is a requirement for a number of grants including the Hazard Mitigation Grant Program and the Flood Mitigation Assistance Program.

The LMS master document was published June 30, 2000 and reflects the format changes as recommended by the Steering Committee. The document is now divided into four parts: The Strategy, The Projects, and The Funding Sources followed by the appendices and minutes of previous meetings. The next publication will be December 31, 2000 and all submittals for this must be in by the first week of December.

The LMS Working Group also confirmed that it will continue to meet quarterly and the Steering Committee will meet monthly or as needed. The next Working Group meeting will take place Wednesday, December 6, 2000 at 9:30 AM at the EOC.

The LMS Working Group meeting adjourned at 10:30 a.m.

Minutes of the December 6, 2000 Meeting

Municipalities in attendance:

Aventura	Homestead	North Miami
Bal Harbour	Key Biscayne	Pinecrest
Coral Gables	Miami	South Miami
Florida City	Miami Beach	Sweetwater
Hialeah	Miami Springs	West Miami

Others in attendance:

Alliance for Aging	American Red Cross
Catholic Charities	Citrus Health Network
Exeter Architectural Products	Federal Emergency Management Agency
Florida DCA/DEM	Florida International University
H.J. Ross & Associates	Hurricane Protection Industries
International Hurricane Center	Mercy Hospital
Miami Children's Hospital	Miami-Dade Community College
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade Park & Recreation	Miami Museum of Science
Miami-Dade Public Works	Miami-Dade Transit Agency
Miami-Dade Water & Sewer	Miami-Dade Cooperative Extension Svc
National Weather Service	Neighbors 4 Neighbors
PBS&J	Seminole Tribe of Indians
South Florida Limestone Coalition	Unlimited Applications, Inc.
University of Miami	URS Corporation
U.S. Army Corps of Engineers	South Florida Water Management District
Miami-Dade Office of Intergovernmental Affairs	
University of Florida Institute of Food and Agricultural Sciences	

Welcoming for the first time: Mike Weston from the Alliance for Aging, Nick Michalisin from Exeter Architectural Products, Cesar Calas from H.J. Ross & Associates, Michael Sorbello who replaces Gil Delgado as representative of Miami-Dade Parks, Juliana Walsh from the Miami-Dade Office of Intergovernmental Affairs, Alberto Parjus and Lisa McMillion for Miami-Dade Transit, Jim Lushine and David Kosier from NWS Miami Forecast Office, Lynne Cameron from Neighbors 4 Neighbors, Guy Hamilton from Unlimited Applications, Inc., Victor Powell from the South Florida Water Management District, Michael Nardone from URS Corporation, Paul Larsen from the South Florida Limestone Mining Coalition, Royce Tipton from the U.S. Army Corps of Engineers and Joe Kippenberger from the Seminole Tribe. Because of the joint meeting with the Governor's Flood Task Force, we also had with us today numerous representatives from FEMA, Florida Department of Community Affairs and representatives of several county commissioners and members of congress.

The meeting began at approximately 9:30 AM, chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

The first order of business was to remind everyone that the December 2000 edition of the LMS project list is ready to go to press. Everyone was reminded once again of the latest edicts emanating from FDEM wherein participation in the LMS is a requirement for a number of grants including the Hazard Mitigation Grant Program and the Flood Mitigation Assistance Program. This is the last call for submitting mitigation projects for inclusion in the list. The next edition will be June 2001.

The Evacuation Restudy Committee continues its work. On September 26, 2000, a forum chaired by Cathie Perkins was held to discuss the "High-rise Dilemma;" the problems occurring before, during and after a hurricane for people living in high-rise apartments and condos. Contributing were Hugh Gladwin and Nikki Dash from FIU, John Pistorino from the engineering firm of Pistorino & Alam, Jeff Robinson from Hurricane Protection Industries, Klaus Bemke from Miami Elevator, Lilia Vietia from The Continental Group, a property management company, Bill Wilson from the American Red Cross, John Hulsey from the South Florida Regional Planning Council and representatives from many of our municipalities that have high-rise structures. A transcript of the discussion is available through Miami-Dade OEM. The high-rise discussion will continue in the future.

The drawbridge task force continues to meet to iron out problems that might occur with our drawbridges during an evacuation. The group includes representatives from Miami-Dade OEM, Miami-Dade Public Works, Florida DOT, U.S. Coast Guard Marine Safety Office and the U.S.C.G. Bridge Operations Section, the Port of Miami, DERM, City of Miami, City of Miami Beach, Bay Harbor Islands, and Broward and Palm Beach County Public Works

The CERT Program (Community Emergency Response Team) continues to grow and is the largest in the state of Florida with over 700 members now trained. The program is now working with the University of Miami to develop a campus CERT program.

The Wildfire Committee continues to work to refine the prescribed burn program and will next meet January 10, 2001. The wildfire committee is made up of representatives from the Florida Division of Forestry, DERM, Miami-Dade OEM, Miami-Dade Fire Rescue, Miami-Dade Parks Natural Areas Management, the Nature Conservancy and Everglades National Park.

The Flood Reduction Committee's CRS sub-committee reports that Florida City, Homestead, Miami Springs, Opa-locka and Pinecrest have all begun the application process for gaining status as Community Rating System municipalities. We will continue working with the other communities in our effort to have 100% of the municipalities as CRS cities.

The shelter retrofit program has now submitted 17 properties for HMGP funding. These include 11 schools, 3 park buildings, the Humane Society shelter, Miami Children's Hospital and CHPI homeless shelter.

Dr. Joe Garofalo from the University of Florida's Institute of Food and Agricultural Sciences has agreed to conduct another "Proper Tree Trimming" class in the spring prior to hurricane season.

Effective September 13, 2000 Miami-Dade County and its municipalities has become a Project Impact Community. Dennis Smith, the Project Impact Coordinator for the State of Florida and a planning manager for the Florida Showcase Community project gave a presentation on Project Impact and what it means to us as a community. It was agreed that the Local Mitigation Strategy Working Group would become the Project Impact Working Group and the LMS Steering Committee would become the Project Impact Steering Committee. Dennis recommended that, in addition to the committees already in existence, we form several others namely, Ways and Means, Legislative and Private Sector Coordination. The group agreed to do this. Hank Erikson from Florida DCA will be the immediate Project Impact liaison for Miami-Dade County. Steve Randolph from FEMA was introduced as our FEMA Region IV Project Impact Coordinator.

The final order of business was to report on the Governor's South Florida Flooding Task Force that will now become part of the Project Impact Working Group. A full report of the activities concerning the October 3rd storm was delivered to the group and a joint FEMA/State of Florida Report was distributed. Basically, the initial projects will include installation of an 800 cps pump on the C-4 Canal to be located at the S25B spillway. The canal will be dredged to remove 3 feet of fill over a 7.2-mile segment going west from the S25B. Drainage projects will be done in the Flagami neighborhood of the City of Miami, in the City of Sweetwater and in the City of West Miami. (Note: All of the foregoing is contingent upon a successful NEPA review.) A report on Phase 2 will be made at the next Working Group meeting.

Mr. Paul Larsen representing the South Florida Limestone Mining Coalition gave a presentation of an offer by the limestone miners to allow the storage of stormwater on 19 square miles of their land located in the area known as the Lake Belt. This is a generous offer but will require considerable study to ensure there is no impact on the northwest well field that is also located in the Lake Belt.

The Working Group agreed to meet again in January to continue the development of Project Impact and to work on the flood mitigation project. The Steering Committee will meet monthly or as needed. The next Working Group meeting will take place Tuesday, January 9, 2001 at 9:00 AM in the Fire Board Chambers.

The LMS/Project Impact Working Group meeting adjourned at 11:30 a.m.

2001

Minutes of the January 9, 2001 Meeting

Municipalities in attendance:

Aventura	Miami Springs	South Miami
Hialeah	North Miami	Sweetwater
Homestead	Pinecrest	Virginia Gardens
Key Biscayne	Miami Beach	West Miami
Miami		

Others in attendance:

Alliance for Aging	American Red Cross
Catholic Charities	CPHI
Exeter Architectural Products	Federal Emergency Management Agency
Florida DCA/DEM	Florida International University
H.J. Ross & Associates	Homestead Hospital
Hydrological Associates	International Hurricane Center
Knezevich & Associates	Media Interactives
Mercy Hospital	Metcalf & Eddy, Inc.
Miami-Dade Community Action Agency	Miami-Dade Cooperative Extension Svc
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade Park & Recreation	Miami-Dade Public Works
Miami-Dade Transit Agency	Miami-Dade Water & Sewer
PBS&J	Seminole Tribe of Indians
South Florida Limestone Coalition	Unlimited Applications, Inc.
University of Miami	URS Corporation
Woolpert, LLP	South Florida Water Management District
South Florida Resource Conservation & Development Council	
Miami-Dade Office of Intergovernmental Affairs	
University of Florida Institute of Food and Agricultural Sciences	

Welcoming for the first time: Gordon Ansell from Mercy Hospital, Dan Deegan and Michael Lee from PBS&J, Brad Waller from Hydrologic Associates, and Kevin Berg and Sue Normand from Media Interactives. Because of the joint meeting with the Governor's Flood Task Force, we also had with us today numerous representatives from FEMA, Florida Department of Community Affairs and representatives of several county commissioners and members of congress.

The meeting began at approximately 9:00 AM, chaired by Frank Reddish of the Miami-Dade County Office of Emergency Management.

The first order of business was to present an update on the progress of the flood recovery work in progress throughout the county. The LMS flood reduction committee has continued to meet regu-

larly with FEMA and the Florida Division of Emergency Management (FLDEM). The NEPA review is underway and is predicted for completion in April or May.

Kevin Berg, a producer for Media Interactives informed the group that a disaster information CD ROM is in production and will feature Miami-Dade County and its Project Impact program. The CD has the blessing of FEMA and Florida DCA.

The CERT Program (Community Emergency Response Team) continues to grow and is the largest in the state of Florida with over 800 members now trained. The program continues working with the University of Miami to develop a campus CERT program.

As mentioned at the last meeting a tree-trimming class is now scheduled for May. This time it will be held at the Cooperative Extension Service offices in Homestead.

The Working Group agreed to meet again in March to continue the development of Project Impact and to work on the flood mitigation project. The Steering Committee will meet monthly or as needed. The next Working Group meeting will take place Wednesday, March 7, 2001 at 9:30 AM in the Fire Board Chambers.

The LMS/Project Impact Working Group meeting adjourned at 11:30 a.m.

Minutes of the March 7, 2001 Meeting

Municipalities in attendance:

Aventura	Medley	North Miami
Coral Gables	Miami	Pinecrest
Florida City	Miami Beach	South Miami
Hialeah	Miami Lakes	Sweetwater
Homestead	Miami Shores	West Miami
Key Biscayne	Miami Springs	

Others in attendance:

American Red Cross	Catholic Charities
C3TS	Citrus Health Network
CPHI	Craig A. Smith & Associates
Federal Emergency Management Agency	Florida DCA/DEM
Florida Dept. of Environmental Protection	Florida Division of Forestry
Florida International University	Florida Power & Light
F.R.I.E.N.D.S, Inc.	Florida Sea Grant Program
International Hurricane Center	Mercy Hospital
Miami-Dade Aviation Department	Miami-Dade Communications Dept.
Miami-Dade Community Action Agency	Miami-Dade Cooperative Extension Svc
Miami-Dade DERM	Miami-Dade Expressway Authority

Miami-Dade Finance Department	Miami-Dade Park & Recreation
Miami-Dade Public Works	Miami-Dade Transit Agency
Miami-Dade Water & Sewer	Miami Rescue Mission
Miami Museum of Science	PBS&J
Ryder Logistics & Transportation	South Florida Limestone Coalition
South Florida Water Management District	United Home Care Services
University of Miami	Unlimited Applications, Inc.
URS Corporation	WFOR – CBS4
White Rock Quarries	Woolpert, LLP
South Florida Resource Conservation & Development Council	
University of Florida Institute of Food and Agricultural Sciences	
Miami-Dade Office of the Mayor	

Welcoming for the first time: Mary Collins, Councilwoman from the newly formed Town of Miami Lakes, Marella Crane from the Florida Sea Grant program, Judy Frank and Brick Rule from FPL, Greg Jeffries & Orlando Rubio from Craig A. Smith & Associates, Steve Hale from White Rock Quarries, Gary Lewis from the Florida Division of Forestry, Jose Calas from Florida Department of Environmental Protection, Bryan Norcross from WFOR-TV Channel 4, Hilda Olexa, the new representative for Miami-Dade Aviation Department, Lynn Norman from Miami-Dade Communications Department and Tom Murphy from the Miami-Dade Expressway Authority. Because of the joint meeting with the Governor's Flood Task Force, we also had with us today numerous representatives from FEMA, Florida Department of Community Affairs and representatives of several county commissioners and members of congress.

The meeting began at approximately 9:30 AM, chaired by Frank Reddish, Project Impact coordinator from the Miami-Dade County Office of Emergency Management.

The first order of business was to introduce several of the newcomers mentioned above including Mary Collins representing Miami-Dade's newest municipality, the Town of Miami Lakes which has now joined the Local Mitigation Strategy Working Group and Project Impact.

Recently, FEMA and President Bush have stated that Project Impact or, at least its funding may be discontinued. The tone of the group today is that Miami-Dade County and the Miami-Dade Project Impact Partners will continue the program with or without the federal government.

The next order of business was to present an update on the progress of the flood recovery work in progress throughout the county. The LMS flood reduction committee has continued to meet regularly with FEMA and the Florida Division of Emergency Management (FLDEM). The NEPA review is underway and is predicted for completion in April or May. The canal bottom sampling and profiling is now complete for the C-4 Canal. The pump to be located at the S25B structure has been designed and a construction bid has been let. The easement problems have been solved. A recommended site for the 500 to 1000 acre reservoir has been identified within the Lake Belt area. The flood committee was introduced again.

Roman Gastesi of the South Florida Water Management District gave a presentation on the current drought. He stated that this is the worst drought on record and that Phase II water restrictions will continue indefinitely. Roman passed out literature describing the Phase II restrictions.

Gary Lewis of the Florida Division of Forestry spoke about the ongoing wildfire problems of late. He told us that a major planned or controlled burn is planned for late April in the area south of Florida City and east of U.S.1 to take place when a favorable wind is present.

There will be two half-day workshops on the Community Rating System (CRS) sponsored by Florida DEM and scheduled for May 10, 2001. The morning session is for cities not now in the CRS program while the afternoon session is for cities with an established CRS program. Everyone is urged to attend.

Dr. Joe Garofalo of the county Agriculture Extension Service will teach a class on May 22nd on the proper way to prune a tree for hurricane season. After lunch the group will trim an actual tree. Parks and Public Works people will get a lot out of this class. If interested, sign up with Cathie Perkins of Miami-Dade OEM.

The Working Group agreed to meet again in May to continue the development of Project Impact and to work on the flood mitigation project. The May meeting will also be our official "Project Impact Signing Ceremony." The actual date, time and place for the meeting will be announced soon. The Steering Committee will meet monthly or as needed.

The LMS/Project Impact Working Group meeting adjourned at 11:30 AM.

Minutes of the May 30, 2001 Meeting

Held at Vizcaya Museum and Gardens

Municipalities in attendance:

Coral Gables	Miami	Opa-locka
El Portal	Miami Beach	South Miami
Florida City	Miami Lakes	Sweetwater
Homestead	Miami Shores	Virginia Gardens
Key Biscayne	Miami Springs	West Miami

Others in attendance:

American Red Cross	Catholic Charities
C3TS	CPHI
Craig A. Smith & Associates	Exeter Architectural Products
Federal Emergency Management Agency	Florida DCA/DEM
Florida Dept. of Environmental Protection	Florida Division of Forestry

Florida International University	Florida Power & Light
F.R.I.E.N.D.S, Inc.	Florida Sea Grant Program
The Home Depot	Humane Society of Greater Miami
Hurricane Protection Industries	International Hurricane Center
Mercy Hospital	Miami Children's Hospital
Miami Country Day School	Miami-Dade Communications Dept.
Miami-Dade Community Action Agency	Miami-Dade County Manager's Office
Miami-Dade Cooperative Extension Svc	Miami-Dade DERM
Miami-Dade Finance Department	Miami-Dade Fire Rescue & Fire Board
Miami-Dade Office of the Mayor	Miami-Dade Public Works
Miami-Dade Transit Agency	Miami-Dade Water & Sewer
Miami-Dade Public Schools	Miami Museum of Science
Miami Rescue Mission	PBS&J
Ryder System, Inc.	Ellen Roth for Senator Graham
University of Florida Institute of Food and Agricultural Sciences	
United States Army Corps of Engineers	WB Consulting
United States Weather Service Miami Forecast Office	

This meeting of the Miami-Dade Project Impact Working Group, is not only our official signing ceremony where each member declares themselves a "Project Impact Partner," but it is also combined with and will serve as the annual Miami-Dade County Public Officials Conference. The meeting was held at Vizcaya Museum and Gardens, a national landmark on the National Registry for Historic Places. Vizcaya was chosen because it had suffered storm surge damage after Hurricane Andrew and many hazard mitigation measures were installed here to protect this historic structure. The audience could see mitigation at work throughout the meeting. As each attendee entered they were invited to sign a giant proclamation (mounted on a storm panel) stating that they are a "Project Impact Partner."

The meeting began at approximately 9:30 AM, opened by Chief Chuck Lanza, director, Miami-Dade Office of Emergency Management who, in his opening remarks gave a brief history of the Miami-Dade Local Mitigation Strategy (LMS) and how it evolved into Project Impact. Chuck then introduced Frank Reddish, Project Impact coordinator for Miami-Dade County.

The business of Project Impact was discussed at this point prior to any ceremonies. Frank gave an update on the progress of the C-4 Canal Basin project and the many municipal drainage projects in progress. Frank announced on behalf of the Florida Division of Forestry that it appears the large wildfire that burned south of Florida City in late April turned out to be extremely beneficial for the area.

Frances Spiegel of the American Red Cross was introduced and told the group about the "Spring Break Shuttering Project." A group of students from Mississippi State University joined the American Red Cross, Americorps, The Home Depot, HPI, Miami-Dade OEM, and the City of North Miami in a Project Impact project to install hurricane panels on the homes of senior citizens. It was a huge success!

Next, Captain Bob Palestrant, our CERT coordinator, gave an update on the status of the CERT program. CERT is alive and well and growing in Miami-Dade County.

At this time, the dais was turned over to our Public Officials Conference master of ceremonies, Bill Delgrosso, who introduced the guest speakers. County Manager Steve Shiver first introduced the many public figures in attendance. He then spoke on behalf of Miami-Dade County and the local Project Impact partners. Frank Koutnik, Chief of the Bureau of Planning and Policy for the Florida Department of Community Affairs spoke on behalf of the state of Florida partners. Finally, Todd Davison, director for mitigation for FEMA Region IV spoke on behalf of the federal government partners. Each of the speakers then signed the giant proclamation, which had been brought to the dais.

After the ceremony, the public officials in attendance were briefed on the state of emergency management and the upcoming hurricane season.

The Working Group agreed to meet again in September (exact date, time and place to be announced) to continue the development of Project Impact. The Steering Committee will continue to meet monthly or as needed.

The LMS/Project Impact Working Group meeting and signing ceremony adjourned at 11:30 a.m.

Minutes of the September 20, 2001 Meeting

Held in the Operations Room of the Miami-Dade Emergency Operations Center

Municipalities in attendance:

Aventura	Key Biscayne	Pinecrest
Coral Gables	Miami	Virginia Gardens
Hialeah	Miami Springs	West Miami
Homestead	North Miami	

Others in attendance:

American Medical Response	American Red Cross
Citrus Health Network	Disaster Management, Inc.
Exeter Architectural Products	Florida DCA/DEM
Florida International University	Florida Power & Light
Focal Communications	F.R.I.E.N.D.S, Inc.
Greenhorne & O'Mara	H.J. Ross & Associates
Hazen and Sawyer	The Home Depot
Humane Society of Greater Miami	Hurricane Protection Industries
International Hurricane Center	Law Engineering
Mercy Hospital	Miami Christian School
Miami-Dade Cooperative Extension Service	Miami-Dade DERM

Miami-Dade Finance Department
Miami-Dade Water & Sewer
Miami Rescue Mission
Ellen Roth for Senator Graham
University of Miami
South Florida Resource Conservation & Development Council
South Florida Water Management District
University of Florida Institute of Food and Agricultural Sciences

Miami-Dade Office of the Mayor
Miami Museum of Science
Ryder System, Inc.
The Salvation Army
WFOR-CBS-4

Joining us for the first time were American Medical Response, Disaster Management, Inc., Focal Communications, Greenhorne & O'Mara, Inc., Hazen and Sawyer, Law Engineering and Environmental Services, Inc. and the Miami Rescue Mission.

The meeting of the Project Impact/Local Mitigation Strategy Working Group began at approximately 9:30 AM, opened by Project Impact Coordinator Frank Reddish, Miami-Dade Office of Emergency Management. (Note: From now on, in Miami-Dade County Project Impact and the Local Mitigation Strategy (LMS) are considered synonymous.)

The first item of business was a report by Victor Powell from the South Florida Water Management District with an update on the progress of the C-4 Canal Basin initiative including the S25B forward pump and the many municipal drainage projects in progress. Victor also discussed the advanced modeling and the NEPA review, which is underway for the lateral pumping and the Lake Belt impoundment area.

Following Victor, Mike Gambino from Miami-Dade Department of Environmental Resources Management (DERM), who is also the Community Rating System Coordinator for Miami-Dade County, gave a report on the progress of the FIRM Map restudy and the status of the repetitive loss properties throughout the county. Mike also explained the FEMA "Cooperative Technical Partner" program in which the county plans to participate. Mike encouraged the municipalities to do the same.

Frank Reddish explained the residential shuttering program to the Working Group. This program, which is designed to provide hurricane panels to low-income elderly, is being funded by a \$330,000 grant from FEMA through the state of Florida. Miami-Dade Mayor Alex Penelas and the Board of County Commissioners voted to add an additional one million dollars to the program. This should allow us to protect from 1,200 to 1,300 homes. Full details of the program will be provided by next month.

The LMS/Project Impact Steering Committee proposal to require participation in at least one Project Impact or Local Mitigation Strategy function during each six-month period to remain a member of the Working Group was ratified unanimously. This means those municipalities, county departments or other organizations that fail to attend at least one function between January 1st and June 30th and again between July 1st and December 31st of each year will be dropped from Project Impact and LMS and will no longer be eligible for funding in programs such as the Hazard Mitigation Grant Program (HMGP) and the Flood Mitigation Assistance Program nor will they be awarded

LMS bonus points in other programs such as the Emergency Management Preparedness and Assistance Trust Fund.

It was announced that from now on all Project Impact correspondence will be by e-mail and faxes will no longer be used. Those Working Group members without e-mail are encouraged make arrangements with someone who does have it in order to receive notices.

At this time the subject of terrorism and the concept of mitigation against terrorism as a part of Project Impact were introduced. A lively discussion followed and it seems we want to take this on. Among the items addressed is a revisit to the critical facilities inventory and a public education program. Those contributing to the discussion were Ricardo Alvarez, deputy director of the International Hurricane Center at FIU, Andy Austin, storm water utility manager for the city of Hialeah, Captain Ed Bowe of the city of Homestead Police Department, Richard Ford from the Salvation Army, Yocelyn Galiano Gomez, assistant village manager of the Village of Pinecrest, Mike Gambino from DERM, Dr. Hugh Gladwin, director of the Institute for Public Opinion Research at FIU, Dr. Charles Gottlieb, director of environmental health and safety for the University of Miami, Dr. Lorena Morrison, school head of Miami Christian School, Dr. Walter Peacock, head of the Department of Sociology and Anthropology at Florida International University, Don Pybas, County Extension Director, University of Florida Institute of Food and Agricultural Sciences, Ellen Roth, regional director for Senator Bob Graham, Len Salva, general manager for Focal Communications and Victor Vincent, operations director for the Miami Museum of Science. Further counter-terrorism proposals will be studied by the Steering Committee and brought to the Working Group at the next meeting.

The Working Group agreed to meet again in December 2001 (exact date, time and place to be announced) to continue the development of Project Impact. The Steering Committee will continue to meet monthly or as needed.

Prior to adjournment, all new members and others who have not done so were invited to sign the Project Impact proclamation document. The Project Impact Working Group meeting was adjourned at approximately 11:00 a.m.

Minutes of the December 19, 2001 Meeting

Held at the Kovens Conference Center at Florida International University

Municipalities in attendance:

Aventura	Homestead	North Miami
Biscayne Park	Medley	North Miami Beach
Coral Gables	Miami	South Miami
Florida City	Miami Beach	Sunny Isles Beach
Golden Beach	Miami Lakes	Virginia Gardens
Hialeah Gardens	Miami Shores	

Others in attendance:

American Red Cross	Citrus Health Network
C3TS	FEMA
Florida DCA/DEM	Florida DEP
Florida International University	Florida Power & Light
Florida State Attorney's Office	F.R.I.E.N.D., Inc.
The Home Depot	Humane Society of Greater Miami
International Hurricane Center	Johnson & Wales University
Law Engineering	Miami-Dade County Manager's Office
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade Housing Agency	Miami-Dade Office of the Mayor
Miami-Dade Office of Emergency Mgmt.	Miami-Dade Seaport
Miami-Dade County Public Schools	Miami Rescue Mission
University of Miami	South Florida Regional Planning Council
South Florida Water Management District	U.S. General Accounting Office
U.S. Geological Survey	

Joining us for the first time were representatives from the Port of Miami, the State Attorney's Office, the U.S. Geological Survey, and a team from the U.S. General Accounting Office who are observing Project Impact at work.

The meeting of the Project Impact/Local Mitigation Strategy Working Group began at approximately 9:30 AM, opened by Project Impact Coordinator Frank Reddish. The group was greeted by David Grossman, dean of the Florida International University outreach program and our host for this meeting, which is being held at the Roz and Cal Kovens Conference Center on the FIU Biscayne Bay campus.

Following the greeting by Dean Grossman, Frank Reddish gave a summary report on several LMS projects currently under way:

The C-4 Basin flood control initiative is moving right along with completion of the pump station at the S25B structure scheduled for next month. The environmental and permitting process for the upstream impoundment area is also underway. Victor Powell wishes to move the pump on the C-6 canal from near White Rock Quarries downstream to the S26 structure. This project, at approximately \$60,000,000, is the single largest Hazard Mitigation Grant Program (HMGP) project ever undertaken, both in cost and in scope of work.

The residential shuttering program continues. We were disappointed that we didn't have as many sign up when the program first began but we will continue to accept applications until all funds have been exhausted. Total funding for this program includes \$330,000 HMGP funds from FEMA and the state supplemented by \$1,000,000 from the Miami-Dade Board of County Commissioners.

The \$3,000,000 HMGP institutional shelter-shuttering program is also going strong and all applications have been submitted to the state. The applicants include the Salvation Army, Miami Rescue Mission, Humane Society, Florida International University, University of Miami and the city of Sweetwater.

The LMS/Project Impact has been able to secure \$5,000,000 in HMGP funding to complete the encapsulation project at Miami Children's Hospital. The application process is underway and going well.

Captain Bob Palestrant, our CERT program chairman from Miami-Dade Fire Rescue, briefed the group on the status of the Community Emergency Response Team (CERT) program. We have close to 1000 people that have completed CERT training and the program is being expanded to include business CERTs and university CERTs. Also, we have set aside \$8,000 of our FEMA Project Impact to help equip low-income CERT teams. For those that don't know, unlike other CERT programs around the nation, our CERT training is carried out the members of Florida Task Force 1, Miami-Dade Fire Rescue's elite, internationally known urban search and rescue team.

Mike Gambino from DERM, our resident floodplain expert, briefed the Working Group on the Flood Mitigation Assistance Program. A FMA workshop is being held in Miami-Dade County on January 11, 2002. Mike also reported that not much progress has been made in the FIRM map resurvey (more to come on this). He was joined in the discussion by FEMA Project Impact guru, Stephen Randolph

At this time our hosts from FIU – Ricardo Alvarez, Nicole Dash, Martha Gutierrez and Bonnie Brandt gave a presentation on the many roles that FIU plays in our community. Ricardo discussed the International Hurricane Center, a state function located on the FIU campus; Martha briefed us on the Terraflly program, which is an advanced aerial photography online program (www.terrafly.com). Ms. Dash gave us an overview of the role of FIU's department of sociology and the sociology of disaster and Bonnie discussed the many FIU community outreach programs. All of the FIU endeavors are excellent and we are fortunate to have this institution as a Project Impact partner.

The Working Group agreed to meet again in March 2002 (exact date, time and place to be announced) to continue the development of Project Impact. The Flood Committee will hold a general informational meeting in February 2002. The FIRM remapping subcommittee will convene in early 2002 with Mike Gambino serving as chairman. The Steering Committee will continue to meet monthly or as needed.

The Project Impact Working Group was meeting adjourned at approximately 11:45 a.m. followed by a delightful luncheon provided by our gracious host and Project Impact partner, Florida International University.

2002

Minutes of the March 19, 2002 Meeting

Held at the Miami-Dade Emergency Operations Center

Municipalities in attendance:

Coral Gables	Medley	North Miami
El Portal	Miami	Opa-locka
Florida City	Miami Beach	Pinecrest
Hialeah	Miami Lakes	South Miami
Homestead	Miami Shores	Sweetwater
Key Biscayne	Miami Springs	

Others in attendance:

American Red Cross	Biscayne National Park
CBS – Channel 4 - WFOR	Catholic Charities
CHARLEE Program	Civil Air Patrol
Craig A. Smith & Associates	Community Partnership for the Homeless
Disaster Management, Inc.	FEMA
Florida International University	Florida Power & Light
Focal Communications, Inc.	F.R.I.E.N.D., Inc.
The Home Depot	Hurricane Protection Industries, Inc.
International Hurricane Center	John Adams & Company
Law Engineering	Miami-Dade County Manager's Office
Miami-Dade DERM	Miami-Dade Finance Department
Miami-Dade Housing Agency	Miami-Dade Office of the Mayor
Miami-Dade Office of Emergency Mgmt.	Miami-Dade Office of Water Resources
Miami-Dade Park & Recreation Department	Miami-Dade P.D. Animal Services
Miami-Dade Seaport	Miami-Dade Solid Waste Management
Miami-Dade Water & Sewer Department	Miami-Dade County Public Schools
Miami Children's Hospital	Miami Christian School
Miami Country Day School	Miami Rescue Mission
Ryder System, Inc.	University of Florida Agriculture Extension
University of Miami	South Florida Regional Planning Council
South Florida Water Management District	U.S. Geological Survey
South Florida Resource Conservation and Development Council	

Joining us for the first time: John Adams & Co., Biscayne National Park, the CHARLEE Program, and the Civil Air Patrol.

The meeting of the Project Impact/Local Mitigation Strategy Working Group began at approximately 9:30 AM, opened by Project Impact/LMS Coordinator Frank Reddish who gave a summary report on several LMS projects currently under way.

There will be a Community Rating System (CRS) workshop sponsored by Florida Department of Community Affairs at the EOC on April 11th. Mike Gambino, from DERM, gave a talk on why CRS is important to everyone.

There will be a class sponsored by the Cooperative Extension Service on the proper way to prune trees to prevent damage from hurricanes. This will be held at the Ag Center in Homestead on May 30th.

There will be a Hurricane Andrew 10 Year Summit held at Florida International University May 30 and 31. The summit is sponsored by the International Hurricane Center at FIU.

We have been officially approved as a “StormReady” community by the United States Weather Service. Our official sign will be presented at a future meeting.

Chief Chuck Lanza, director of Miami-Dade Office of Emergency Management addressed the group to discuss counter-terrorism and the new homeland security issue. Chuck recommended that the “Citizens Corps Council” as defined by President Bush should be made up of the LMS Working Group. This will be discussed further at the next meeting.

The C-4 Basin flood control initiative is moving right along. The pump station at the S25B structure is complete and a dedication ceremony is scheduled for Monday, March 25, 2002. The environmental and permitting process for the upstream impoundment area is also underway. The LMS flood committee has approved moving the pump on the C-6 canal to a new location at the S26 salinity control structure. The C-4 project, at approximately \$60,000,000, remains the single largest HMGP project ever undertaken, both in cost and in scope of work.

The residential shuttering program continues. Although over 600 applications have been received and more than 70 residences are complete, we are still disappointed that we don’t have more applicants. We will continue to accept applications until all funds have been depleted. Total funding for this program includes \$330,000 HMGP funds from FEMA and the state supplemented by \$1,000,000 from the Miami-Dade Board of County Commissioners.

The \$5,000,000 grant for the encapsulation project at Miami Children’s Hospital has been approved by all parties. Ground breaking is planned for early summer.

Captain Bob Palestrant, our CERT program chairman from Miami-Dade Fire Rescue, briefed the group on the upcoming Community Emergency Response Team (CERT) annual exercise to be held this year in Miami Lakes. This year teams from other counties will be invited to participate.

Dr. Charles Gottlieb gave a report on the Disaster Resistant Universities conference held at the University of Miami in January. Most of the schools in the pilot program attended including the

University of California at Berkeley, the University of Washington, the University of Alaska, Fairbanks and the University of North Carolina, Wilmington.

Gene Beck, from Florida Power & Light, gave a presentation on the programs FPL has to financially assist in mitigation measure such as building retrofits. Contributions by FPL may be used as part of the local match to FEMA grants.

Sarah Bellmund, ecologist from Biscayne National Park and Lawrence Frank from FEMA gave a presentation explaining a new wetlands project being developed by the National Park Service. The program will include the development of a wetlands area along the southern coast of Miami-Dade county and will have the effect of diffusing storm water runoff over a wide area of shoreline rather than concentrate the fresh water infusion into the bay at the mouths of the canals.

Raul Paterson, civil engineer from the U.S. Geological Survey, described a program now under development to provide real-time monitoring of rising water during periods of heavy rainfall. This should have the effect of allowing us to better predict potential flood hazards.

The Working Group agreed to meet again in June 2002 (exact date, time and place to be announced). The Steering Committee will continue to meet monthly or as needed.

The Working Group meeting was meeting adjourned at approximately 11:30 AM.

Minutes of the June 18, 2002 Meeting

Held at the Miami-Dade Fire Board Chambers

Municipalities in attendance:

Aventura	Miami	Pinecrest
Coral Gables	Miami Beach	South Miami
Hialeah	Miami Lakes	Sunny Isles Beach
Homestead	Miami Shores	Sweetwater
Key Biscayne	Miami Springs	Virginia Gardens
Medley	North Miami	

Others in attendance:

American Red Cross	Biscayne National Park
CBS – Channel 4 - WFOR	Catholic Charities
CHARLEE Program	Church World Service
Citrus Health Network	Community Partnership for the Homeless
C3TS Engineering	Disaster Management, Inc.
FEMA	Florida Division of Emergency Management

Florida International University	Florida Power & Light
Florida Sea Grant	F.R.I.E.N.D., Inc.
The Home Depot	Hurricane Protection Industries, Inc.
Hurst Awning Company	International Hurricane Center
Law Engineering	Miami-Dade Animal Services
Miami-Dade Community Action Agency	Miami-Dade County Manager's Office
Miami-Dade DERM	Miami-Dade Fire Rescue
Miami-Dade Finance Department	Miami-Dade Housing Agency
Miami-Dade Office of Emergency Mgmt.	Miami-Dade Office of the Mayor
Miami-Dade Park & Recreation Department	Miami-Dade Public Works
Miami-Dade Seaport	Miami-Dade Solid Waste Management
Miami-Dade Water & Sewer Department	Miami-Dade County Public Schools
Miami Children's Hospital	Miami Christian School
Miami Country Day School	Miami Rescue Mission
Mount Sinai Medical Center	PBS&J
Ryder System, Inc.	The Salvation Army
Senator Bob Graham's Office	South Florida Regional Planning Council
St. Thomas University	TECO Peoples Gas
University of Florida Agriculture Extension	University of Miami
Villanueva Associates	South Dade Soil & Water Conservation District
South Florida Water Management District	U.S. Geological Survey
South Florida Resource Conservation & Development Council	

Joining us for the first time: Church World Service, Hurst Awning Company, Mount Sinai Medical Center, St. Thomas University and Peoples Gas Company.

The meeting of the Project Impact/Local Mitigation Strategy Working Group began at approximately 9:30 AM, opened by Project Impact/LMS Coordinator Frank Reddish who gave a summary report on several LMS projects currently under way.

The Community Rating System (CRS) workshop sponsored by Florida Department of Community Affairs on April 11th was a success as was the tree pruning class sponsored by the Cooperative Extension Service, which was held at the Agricultural Center in Homestead on May 30th.

The CERT exercise held May 18th in the Town of Miami Lakes was a great success with fifteen teams participating. Thanks to all those that helped bring it off.

There will be a "Skywarn" class for boaters on July 17th at the University of Miami's Rosenstiel School of Marine Science on Virginia Key. This class is sponsored by Marella Crane and the Florida Sea Grant Program.

We have been officially approved as a "StormReady" community by the National Weather Service. In a short ceremony, Jim Lushine, NWS Warning Coordination Meteorologist, officially presented our StormReady sign.

Mr. Raul Mercado, of the engineering firm PBS&J, gave a presentation explaining to all, in layman's terms, how the C-4 Basin flood control initiative actually works. PBS&J is the company that has done the extensive feasibility modeling for the C-4 project.

Ed Robinson of FEMA Region IV explained the NFIP Repetitive Loss Properties data collection process and what steps we are taking to improve our knowledge of flooding problems.

Hank Erikson, from the Florida Department of Community Services, discussed the Disaster Mitigation Act of 2000 and the subsequent changes to the Stafford Act and Title 44 of the Code of Federal Regulations.

The residential shuttering program continues. There are now over 170 residences completed and more underway. Bill Moriarty and Odis Olivero from Miami-Dade Community Action Agency were introduced as the ones overseeing the actual installations. The rest of the shutter committee were also introduced.

A request was made for volunteers to serve on the counter-terrorism committee, which is being formed to develop what will be "Countywide Initiative 3 – Counter-Terrorism." This will be one of the initial actions by the LMS Working Group in its role as Citizens Corps Council. The members of the new committee will be published within a week. Miami-Dade police lieutenant Maureen Shaunessy was introduced as one of the personnel in OEM's newly formed Division of Homeland Security.

The Working Group will next meet in September 2002 (exact date, time and place to be announced). The Steering Committee will continue to meet monthly or as needed.

The Working Group meeting was meeting adjourned at approximately 11:30 AM.

Minutes of the September 19, 2002 Meeting

Held at the Miami-Dade Fire Rescue Headquarters Auditorium

Municipalities in attendance:

Aventura	Miami Shores	Pinecrest
Florida City	Miami Springs	Sweetwater
Homestead	North Miami	Virginia Gardens
Key Biscayne	North Miami Beach	West Miami
Miami		

Others in attendance:

American Red Cross	CBS – Channel 4 - WFOR
Catholic Charities	Church World Service

Citrus Health Network	Community Partnership for the Homeless
C3TS Engineering	Disaster Management, Inc.
Congressman Lincoln Diaz Balart's Office	Episcopal Diocese of Southeast Florida
FEMA	Florida Division of Emergency Management
Florida International University	Florida Power & Light
Florida Sea Grant	Florida State Attorney's Office
F.R.I.E.N.D., Inc.	H.J. Ross & Associates
The Home Depot	International Hurricane Center
Jackson Health System	Law Engineering
Miami-Dade Animal Services	Miami-Dade Aviation Department
Miami-Dade DERM	Miami-Dade Fire Rescue
Miami-Dade Finance Department	Miami-Dade Housing Agency
Miami-Dade Office of Emergency Mgmt.	Miami-Dade Park & Recreation Department
Miami-Dade Solid Waste Management	Miami-Dade County Public Schools
Miami Children's Hospital	Miami Christian School
Miami Country Day School	Neighbors 4 Neighbors
Ryder System, Inc.	The Salvation Army
Save A Life Foundation, Inc.	Senator Bob Graham's Office
St. Lawrence School	St. Thomas University
South Florida Regional Planning Council	South Florida Water Management District
University of Miami	URS Corporation
Villanueva Associates	University of Florida Agriculture Extension

Joining us for the first time: Episcopal Diocese of Southeast Florida, St. Lawrence School and the Save A Life Foundation.

The meeting of the Project Impact/Local Mitigation Strategy working group began at approximately 9:30 AM, opened by Project Impact/LMS Coordinator Frank Reddish who gave a summary report on several LMS projects currently under way.

Frank also announced that the LMS terrorism mitigation committee is up and running and has met several times already.

José Fuentes and Humberto Alonso from the South Florida Water Management District reported on the progress of the C-4 Basin Initiative and also announced the ground breaking for the C-4 impoundment area which will take place October 4th.

Mike Gambino from Miami-Dade Department of Environmental Resources Management (and also an LMS Steering Committee member) reported on several proposed projects including street drainage in the Belen neighborhood and the cleaning of the FEC Borrow Canal, which borders Virginia Gardens and Miami Springs.

There was additional discussion concerning the Disaster Mitigation Act of 2000, the subsequent changes to the Stafford Act and Title 44 of the Code of Federal Regulations and how these will effect the Miami-Dade Local Mitigation Strategy.

Liz Gutierrez of the American Red Cross reported on the residential shuttering program. There now over 350 residences completed and more are underway.

Bryan Norcross of CBS Channel 4 made several proposals including building a wall that would demonstrate the various types of window protection available, to develop a checklist for homeowners to determine if their homes are safe from a hurricane and, the color coding of evacuation zones.

Bruce DeSautel of The Home Depot told us that a checklist such as that proposed by Bryan is under development by The Home Depot and FLASH, the Federal Alliance for Safe Homes.

Irv Bock of the Save A Life Foundation gave a presentation on his organization that teaches CPR and other life saving practices. A question and answer period followed. Susie Perkowitz will be our contact at Save A Life.

The Working Group will next meet December 18, 2002 (exact place to be announced). The Steering Committee will continue to meet monthly or as needed.

The Working Group meeting was meeting adjourned at approximately 11:30 a.m.

Minutes of the December 18, 2002 Meeting

Held at the Graham Center at Florida International University

Municipalities in attendance:

Coral Gables	Miami	North Miami Beach
El Portal	Miami Shores	Pinecrest
Homestead	Miami Springs	Virginia Gardens
Key Biscayne	North Miami	West Miami
Medley		

Others in attendance:

Alliance for Aging	American Red Cross
Area Health Education Center	Catholic Charities
CBS – Channel 4 - WFOR	CHARLEE of Miami-Dade
Church World Service	Citrus Health Network
Florida Department of Transportation	FEMA
Florida Division of Emergency Mgmt.	Florida International University
Florida State Attorney's Office	Foster Construction
H.J. Ross & Associates	Hurst Awning Company, Inc.
International Hurricane Center	Jackson Health System
MacTec	Miami-Dade Animal Services

Miami-Dade Aviation Department	Miami-Dade Budget Office
Miami-Dade Community Action Agency	Miami-Dade DERM
Miami-Dade Finance Department	Miami-Dade Housing Agency
Miami-Dade Mayor's Office	Miami-Dade OEM
Miami-Dade Park & Recreation Department	Miami-Dade Seaport
Miami-Dade County Public Schools	Miami Children's Hospital
Miami Christian School	Ryder System, Inc.
Senator Bob Graham's Office	St. Thomas University
South Florida Regional Planning Council	South Florida Water Management District
United State Geological Survey	University of Miami
URS Corporation	University of Florida Agriculture Extension
United Property Owners of the 8.5 Square Mile Area	
Villanueva Associates	

Joining us for the first time: Foster Construction.

The meeting of the Project Impact/Local Mitigation Strategy working group began at approximately 10:00 AM, opened by Project Impact/LMS Coordinator Frank Reddish who gave a summary report on several LMS projects currently under way. Frank then introduced Ricardo Alvarez.

Ricardo Alvarez, deputy director of the International Hurricane Center here at FIU, (and our host) welcomed the working group and then introduced Mark Rosenberg, provost of Florida International University. Dr. Rosenberg spoke on the importance of the relationship between the university and the community.

Dr. Rosenberg was followed by Chuck Lanza, director of the Miami-Dade Office of Emergency Management who spoke briefly on the excellent cooperation between FIU, the Office of Emergency Management and the community at large.

Bill Moriarty, of the Miami-Dade Community Action Agency, gave the working group an update on the residential shuttering program, which has now installed window protect on the homes of over 600 low-income elderly residents of Miami-Dade County.

Ralph Carrillo, of the Miami-Dade Office of Emergency Management gave a report on the proceedings of the LMS terrorism mitigation committee, which is focusing on long-term mitigation by delivering information and education to our school children.

Frank Reddish presented some of the findings of the evacuation restudy committee. The storm surge evacuation zones have been studied by a subcommittee made up of representatives of the U.S. Army Corps of Engineers, the National Hurricane Center, the U.S. Geological Survey, the Florida Division of Emergency Management, PBS&J and the Miami-Dade Office of Emergency Management. The new evacuation zones were presented and they are comprised of three areas: the A or Red Zone consists of the barrier islands; B or Yellow Zone is the coastal mainland and the C or Green Zones is the far southern portion of the county subject to inland storm surge. Exact descriptions of these zones will accompany all printed maps depicting the changes.

John Leslie, Armando Ramirez and Raul Pellegrino from the South Florida Water Management District gave an update on the C-4 Basin initiative including some proposals for additional work. The work on the S-26 pumps is nearing completion, as is the work on Phase 2 of the Sweetwater berm. Work is well underway on the emergency detainment basin. The entire project remains on time and within budget.

Dr. Mary Jo Trepka, director of epidemiology for the Miami-Dade County Health Department, gave a report on biomedical hazards and what is being done about it. She also asked for assistance to locate possible quarantine sites throughout the county.

Dr. Arthur Oyola-Yamaiel from the Florida Division of Emergency Management gave a presentation to the working group outlining several new programs underway at the Department of Community Affairs as well as discussing the Disaster Mitigation Act of 2000 and changes in Title 44 of the Code of Federal Regulations.

Ricardo Alvarez spoke once again relating to the group the many undertakings at FIU and how they benefit the Miami-Dade Community. The community outreach program at FIU continues to grow and strengthen.

The Working Group will next meet Tuesday, March 18, 2003 at 9:30 AM in the auditorium of the Miami-Dade Fire Rescue Headquarters Building. The Steering Committee will continue to meet monthly or as needed.

The Working Group meeting was meeting adjourned at approximately 12:15 PM to an excellent lunch provided by our host, Florida International University.

2003

Minutes of the March 18, 2003 Meeting

Held Miami-Dade Fire Rescue Headquarters Auditorium

Municipalities in attendance:

Coral Gables	Miami	Pinecrest
El Portal	Miami Lakes	Sunny Isles Beach
Hialeah	Miami Shores	Sweetwater
Homestead	Miami Springs	Virginia Gardens
Key Biscayne	North Miami	West Miami
Medley	North Miami Beach	

Others in attendance:

Alliance for Aging	American Red Cross
Area Health Education Center	Baptist Health System
Catholic Charities	CBS – Channel 4 - WFOR
CHARLEE of Miami-Dade	Church World Service
Citrus Health Network	CT3S Engineering
ERSA Consulting, Inc.	Florida Department of Transportation
FEMA	Florida Division of Emergency Management
Florida International University	Florida Sea Grant Program
Florida Power & Light	H.J. Ross & Associates
Hurst Awning Company, Inc.	International Hurricane Research Center
Jackson Health System	MACTEC
Miami Christian School	Miami-Dade Community College
Miami-Dade County Public Schools	Miami-Dade Animal Services
Miami-Dade Aviation Department	Miami-Dade Budget Office
Miami-Dade Community Action Agency	Miami-Dade DERM
Miami-Dade Finance Department	Miami-Dade Housing Agency
Miami-Dade Mayor's Office	Miami-Dade Office of Emergency Mgmt.
Miami-Dade Park & Recreation Department	Miami-Dade Planning and Zoning
Miami-Dade Public Works	Miami-Dade Seaport
Miami-Dade Water & Sewer	Miami Children's Hospital
Miami Country Day School	PBS&J
Ryder System, Inc.	Save A Life Foundation
St. Lawrence School	St. Thomas University
Senator Bob Graham's Office	South Florida Regional Planning Council
South Florida Water Management District	University of Miami
University of Miami Medical School	URS Corporation
University of Florida Agriculture Extension	

The meeting called to order at approximately 9:30 A.M. by LMS Coordinator, Frank Reddish.

Frank informed the group that there have been over \$5,000,000 worth of mitigation projects completed since the last meeting, December 2002. Frank also pointed out to everyone that it is still a requirement to attend at least fifty percent of the LMS meeting to be considered a participant and be eligible for the benefits of the Local Mitigation Strategy.

Frank also discussed the new FEMA Pre-Disaster Mitigation Program and explained the differences between it and the Hazard Mitigation Grant Program. A class on benefit/cost analysis will be held in the Miami-Dade EOC on June 3 & 4 that will relate to the new program. People were told to contact Hank Erikson to sign up.

The Residential Shuttering Program for the elderly is still underway. In order to qualify for funding the total household income must not exceed \$20,000, and the owner of the house must be at 65 years old or older. The average cost to retrofit each house is between \$1,500 and \$1,600, and so far over 650 houses have been fitted. The program has been extended for an additional year.

Everyone was reminded of the new evacuation zones and the fact that they are now color-coded: Colors – Red – Zone A, Yellow – Zone B, and Green – Zone C. The new colors correspond with the ones in Broward County

Bruce Netter of Catholic Charities and Jim Shultz of the University of Miami medical school gave a presentation on the concept of “neighborhood care centers” to divert the “worried well” or, those who think they may be sick but aren’t, away from hospital emergency rooms during a health crisis, outbreak or other mass care incident. This program would be headed through the UM Center for Disaster Epidemiology and Emergency Preparation.

Raul Pellegrino, John Leslie and Armando Ramirez gave us an update on the work on the C-4 Basin. The pump at the S-26 on the Miami River is complete and the dedication ceremony will be next month. Work continues on the emergency detention basin, the dredging and the Sweetwater berm. They also presented a list of proposed future projects including work on the C-2 and C-7 canals.

The next tree trimming class will be held Friday, May 30th at the Miami-Dade Cooperative Extension Service auditorium. This will mark the fourth consecutive year for this program that teaches park personnel and arborists the proper way to prune a tree for hurricane survival.

James Clausell, chairman of the CERT advisory board, gave us an update to the progress being made to reestablish the Miami-Dade CERT program. He suggested writing to Mayor Penelas with your concerns.

Ricardo Alvarez, deputy director of the International Hurricane Research Center (IHRC) at FIU announced that FIU was applying to the National Science Foundation to become a Science and Technology Center specializing in hurricane vulnerability research.

Carolyn Anderson, also of IHRC at FIU gave a report on the continuing LIDAR laser mapping operation. Carolyn told us that the flights have been completed and the data is now being analyzed.

Bryan Norcross, director of meteorology at WFOR-CBS-4 gave a presentation of the new five-day forecast that will come from the National Hurricane Center this hurricane season.

Lorena Morrison and Teri Logan of Miami Christian School gave a report on the doings of the LMS Terrorism Mitigation Committee. They demonstrated the game that has been developed to make young people more aware of terrorism and to introduce a terrorism unit into school social studies classes.

The next meeting of the LMS Working Group will be June 17, 2003 at 9:30 AM, location to be announced.

The Working Group meeting was meeting adjourned at approximately 11:30 PM.

Minutes of the June 17, 2003 Meeting

Held Miami-Dade Fire Rescue Headquarters Auditorium

Municipalities in attendance:

Bay Harbor Islands	Miami Lakes	Pinecrest
Coral Gables	Miami Shores	Sunny Isles Beach
Hialeah	Miami Springs	Sweetwater
Homestead	North Miami	Virginia Gardens
Key Biscayne	North Miami Beach	West Miami
Miami	Opa-locka	

Others in attendance:

American Red Cross	CBS – Channel 4 - WFOR
Catholic Charities	Community Partnership for the Homeless
Citrus Health Network	Disaster Management, Inc.
CT3S Engineering	FEMA
ERSA Consulting, Inc.	Florida Division of Emergency Management
Florida Department of Transportation	Florida Memorial College
Florida International University	Florida Sea Grant Program
Florida Power & Light	H.J. Ross & Associates
Greater Miami Service Corps	International Hurricane Research Center
HRH Company	MACTEC
Jackson Health System	Miami Christian School
Miami Baptist Association	Miami-Dade County Health Department
Miami-Dade Community College	Miami-Dade Animal Services
Miami-Dade County Public Schools	

Miami-Dade Aviation Department	Miami-Dade Budget Office
Miami-Dade Community Action Agency	Miami-Dade DERM
Miami-Dade Finance Department	Miami-Dade Homeless Trust
Miami-Dade Housing Agency	Miami-Dade Office of Emergency Mgmt.
Miami-Dade Office of Homeland Security	Miami-Dade Office of Mgmt and Budget
Miami-Dade Park & Recreation Department	Miami-Dade Planning and Zoning
Miami-Dade Public Works	Miami-Dade Water & Sewer
Miami Children's Hospital	Miami Rescue Mission
Mount Sinai Medical Center	PBS&J
RM2 Threat Consultants, Inc.	Ryder System, Inc.
St. Thomas University	South Florida Regional Planning Council
South Florida Water Management District	United Home Care Services
University of Florida Agriculture Ext.	University of Miami
University of Miami Medical School	URS Corporation

Special guest: Melissa Rodrigo of the Palm Beach County LMS Working Group

The meeting called to order at approximately 9:30 AM by LMS Coordinator, Frank Reddish.

Frank reminded everyone that LMS projects are due within two weeks for inclusion in the June 30, 2003 edition of the Local Mitigation Strategy. Projects must be listed in the LMS in order to be eligible for many state and federal grants.

Frank told the group of the pending demise of the Hazard Mitigation Grant Program (HMGP) and suggested that all those that think the program should remain should write to their congressman and say so. He also discussed the new Pre-Disaster Mitigation Program and how it differs from the HMGP.

Bill Moriarty of the Miami-Dade Community Action Agency reported on the status of the residential shuttering program. Shutters have now been installed on the homes of over 700 low-income elderly citizens of this county.

Suelynn Dignard of the South Florida Water Management District reported on the upcoming study of the C-4 and other basins by the U.S. Army Corps of Engineers. She also asked that Working Group members share any historical or other relevant data with SFWMD and the Corps.

Jim Shultz from the University of Miami medical school gave an update report on the plan to develop "neighborhood care centers" to be available during a mass care incident.

John Hulsey from the South Florida Regional Planning Council presented a report of the long-term future problem of a rise in sea level and what its effects would be on South Florida. This problem will become especially acute in the barrier island municipalities.

Hugh Willoughby from the International Hurricane Research Center at FIU gave an update on the application to the National Science Foundation to fund a Science and Technology Center at FIU devoted to hurricane vulnerability research.

Charles Gottlieb from the University of Miami reported to the continuation of the FEMA Disaster Resistant Universities Program. The original six schools will receive continuation funding and six additional schools will be added to the program this year.

Mike Gambino from the Miami-Dade Department of Environmental Resources Management and chairman of the LMS FIRM sub-committee reported on the recent meeting held as part of the FIRM restudy that is now underway in Miami-Dade County.

James Clausell, chairman of the CERT advisory board briefed the Working Group on the events surrounding the reestablishment of the CERT program in Miami-Dade County. It still has not been decided which county department will house the CERT administrative activities.

The next meeting of the LMS Working Group will be September 17, 2003 at 9:30 AM in the Miami-Dade Fire Rescue auditorium.

The Working Group meeting was adjourned at approximately 11:30 AM.

Minutes of the September 17, 2003 Meeting

Held at Miami-Dade Fire Rescue Headquarters Auditorium

Municipalities in attendance:

Aventura	Key Biscayne	North Miami
Coral Gables	Medley	Palmetto Bay
Doral	Miami	Pinecrest
El Portal	Miami Gardens	Opa-locka
Florida City	Miami Lakes	Sunny Isles Beach
Golden Beach	Miami Shores	Virginia Gardens
Homestead	Miami Springs	West Miami
Indian Creek		

Others in attendance:

A.D.A. Engineering	Catholic Charities
CBS – Channel 4 - WFOR	CHARLEE Program
Citrus Health Network	Community Partnership for Homeless
CT3S Engineering	ERSA Consulting, Inc.
Federal Alliance for Safe Homes	Federal Emergency Management Agency
Fla Department of Environmental Protection	FL Division of Emergency Management
Florida International University	Florida Power & Light
Florida State Attorney's Office	H.J. Ross & Associates
The Home Depot	Hurricane Protection Industries, Inc.
Hurst Awning Co.	MACTEC

Miami Christian School	Miami-Dade College
Miami-Dade County Public Schools	Miami-Dade Animal Services
Miami-Dade Aviation Department	Miami-Dade Building Code Compliance
Miami-Dade Community Action Agency	Miami-Dade DERM
Miami-Dade Expressway Authority	Miami-Dade Housing Agency
Miami-Dade Museum of Science	Miami-Dade Office of Emergency Mgmt.
Miami-Dade Office of the Mayor	Miami-Dade Park & Recreation Department
Miami-Dade Planning and Zoning	Miami-Dade Water & Sewer
Miami Children's Hospital	Mercy Hospital
Mount Sinai Medical Center	Pistorino & Alam
Rotary Clubs International	St. Lawrence School
St. Thomas University	Office of Senator Bob Graham
South Florida Regional Planning Council	South Florida Water Management District
Southwest Social Services	United Home Care Services
South Florida Resource Conservation & Development Council	
Uniframe, Inc.	University of Miami
URS Corporation	World Relief
West Perrine Community Development Council	

We welcome for the first time, representatives from Miami-Dade County's newest municipalities: Doral, Miami Gardens and Palmetto Bay. Also joining us for the first time are A.D.A. Engineering and Uniframe, Inc.

The meeting called to order at approximately 9:30 A.M. by LMS-Project Impact Coordinator, Frank Reddish.

Frank informed those who have applications pending for wind pool projects that the projects have been approved at the state and at FEMA Region IV and are awaiting congressional appropriation of the funds.

Frank then introduced the representatives from the City of Doral, the City of Miami gardens and the Village of Palmetto Bay who are attending the LMS Working Group meeting for the first time.

Frank introduced Mike Gambino, from DERM, to the audience. Not only is Mike a member of the LMS/Project Impact Steering Committee, he is the Miami-Dade County flood plain manager. Thanks to Mike's hard work, Miami-Dade will officially gain a Community Rating System rating of 5 as October 1, 2003. This is the lowest rating of any large metropolitan area in the entire United States. Well done, Mike!

Gene Beck and Eloy Villasuso from Florida Power & Light discussed the recent northeast blackout and explained to the working group why that has a very slim chance of ever happening in South Florida. The main factor is that we are at the bottom of a peninsula and our connections to the national electrical grid are limited geographically. Additionally, new upgraded equipment installed as a result of Hurricane Andrew also helps.

Debby Cleyman of the Miami-Dade Community Action Agency reported on the status of the residential shuttering program. Shutters have now been installed on the homes of over 800 low-income elderly citizens of this county.

Lynne Cameron from Neighbors 4 Neighbors explained her program, a phone bank operation assisting the citizens of Miami-Dade. The program originated out of Hurricane Andrew and has grown over the years. Neighbors 4 Neighbors has been a tremendous help in promoting the residential shuttering program.

Leslie Chapman-Henderson, president of the Federal Alliance for Safe Homes – FLASH – gave a presentation on this very comprehensive program. Please check out their website at www.flash.org to get a full picture of this excellent organization.

Hugh Gladwin, Director of the Institute for Public Opinion Research at Florida International University gave a presentation of the work being undertaken at the Laboratory for Social and Behavioral Research, a branch of the International Hurricane Research Center at FIU. Hugh is also a member of the LMS Steering Committee.

Suelynn Dignard of the South Florida Water Management District (SFWMD) reported on the upcoming study of the C-4 and other basins by the U.S. Army Corps of Engineers. She also asked that Working Group members share any historical or other relevant data with SFWMD and the Corps. A list of the data that she is looking for will be sent by email to everyone later today.

John Leslie, also of SFWMD gave a progress report on the C-4 Basin project. The work on the emergency detention basin will probably be finished in time for a December ribbon cutting ceremony.

Bruce Netter of Catholic Charities gave us an update on the progress in creating a workable Citizens Corps Council. A meeting will be held on Monday, September 22nd at 10:30 AM in the MDR Auditorium. Bruce also presented plaques of appreciation from Catholic Charities to Linda Brown of the Florida Division of Emergency Management and to Frank Reddish of the Miami-Dade Office of Emergency Management.

James Clausell, chairman of the CERT advisory board briefed the Working Group on the events surrounding the reestablishment of the CERT program in Miami-Dade County. It seems that CERT may once again fall under the auspices of Miami-Dade Fire Rescue.

The next meeting of the LMS Working Group will be December 17, 2003 at 9:30 A.M. in the Graham Center on the Florida International University main campus.

The Working Group meeting was adjourned at approximately 11:30 AM.

Minutes of the December 17, 2003 Meeting

Held at the Graham Center, Florida International University

Municipalities in attendance:

Coral Gables	Medley	North Miami Beach
Doral	Miami	Palmetto Bay
Florida City	Miami Gardens	Pinecrest
Golden Beach	Miami Shores	Sweetwater
Homestead	Miami Springs	Virginia Gardens
Key Biscayne	North Miami	West Miami

Others in attendance:

A.D.A. Engineering	A.M.A.N.A.
America's Life Line Foundation	CBS – Channel 4 - WFOR
Citrus Health Network	Craig A. Smith & Associates
Dade County State Attorney's Office	Disaster Management, Inc.
Federal Emergency Management Agency	Fla Dept of Environmental Protection
Fla Division of Emergency Management	Florida International University
Florida Memorial College	Florida Power & Light
H.J. Ross & Associates	Hurricane Protection Industries, Inc.
Hurst Awning Co.	Lutheran Services Florida
MACTEC	Miami Christian School
Miami-Dade County Public Schools	Miami-Dade Animal Services
Miami-Dade Aviation Department	Miami-Dade Building Code Compliance
Miami-Dade Community Action Agency	Miami-Dade DERM
Miami-Dade Expressway Authority	Miami-Dade Fair & Expo
Miami-Dade Fire Rescue	Miami-Dade Housing Agency
Miami-Dade Museum of Science	Miami-Dade Office of Emergency Mgmt.
Miami-Dade Office of the Mayor	Miami-Dade Park & Recreation Department
Miami-Dade Planning and Zoning	Miami-Dade Police Department
Miami-Dade Public Works	Miami-Dade Strategic Business Mgmt
Miami-Dade Water & Sewer	Miami Rescue Mission
Mount Sinai Medical Center	St. Thomas University
Office of Senator Bob Graham	University of Florida
University of Miami	URS Corporation
South Florida Regional Planning Council	South Florida Water Management District
Villanueva Associates	World Relief
South Florida Resource Conservation & Development Council	

Special Guests: Clemson University and Palm Beach County Emergency Management.

We welcome for the first time: America's Life Line Foundation, the American Muslim Association of North America, Lutheran Services Florida, and the Miami-Dade Office of Strategic Business Management

The meeting called to order at approximately 9:30 A.M. by LMS-Project Impact Coordinator, Frank Reddish.

Frank introduced out host, Florida International University vice president Steve Sauls, who welcomed the Working Group to FIU and the Graham Center.

Frank then introduced Ricardo Alvarez, deputy director of the International Hurricane Research Center at FIU. Ricardo gave a presentation on the type research under way at IHRC especially in the realm of windstorm mitigation. IHRC has been instrumental in getting the use of ring-shank nails during roof installations to become part of the building code.

Mr. Alvarez then introduced Hugh Gladwin, Director of the Institute for Public Opinion Research at Florida International University who gave a presentation of the work being undertaken at the Laboratory for Social and Behavioral Research, a branch of the International Hurricane Research Center at FIU. (Dr. Gladwin is also a member of the LMS Steering Committee.)

Dr. Tim Reinhold of Clemson University was introduced next. Dr. Reinhold is researching the effects of surface winds from land-falling hurricanes. His team has affixed sensors on the edges of roofs of houses up and down the coast to record winds speeds and other effects. They also have sensor towers that can withstand wind speeds up to 200 MPH that can be put in place as a storm approaches.

Following Dr. Reinhold's presentation everyone was treated to a tour of the FIU outdoor art collection led by staff of the FIU art museum. The tour was quite a hit.

Following the tour the Working Group was reminded that the damage or destruction of fine art is not reimbursable by FEMA and not by insurance unless specifically mentioned in the policy. Extra care must be taken to protect fine art.

Bill Moriarty of the Miami-Dade Community Action Agency reported on the status of the residential shuttering program. Shutters have now been installed on the homes of over 860 low-income elderly citizens of this county.

John Leslie, of the South Florida Water Management District gave a progress report on the C-4 Basin project. The work on phase I of the emergency detention basin is virtually complete and a dedication ceremony is planned for late January. Work has already begun on phase II. The remainder of the dredging should commence soon. John also gave a presentation addressing future project of a similar sort.

Captain Bob Palestrant of Miami-Dade Fire Rescue who is the leader of the local CERT program brought the group up to date on the return of the CERT program to the Miami-Dade Office of Emergency Management. New classes have begun and refresher training is available for CERT

from the previous program. Bob explained that we intend to expand to include CERT teams to businesses, schools and faith based organizations. While Bob was speaking, Frank showed the group the CERT kits that were acquired through Project Impact to provide equipment to CERT team in low-income areas. The kit includes hardhat, vest, gloves, safety glasses, a flashlight with batteries, a whistle, a first aid kit, emergency blanket, duct tape, hand cleaner, a combination tool and a duffle bag. The hardhat, vest and bag are imprinted with the CERT logo.

Solomon Ademuyiwa from the Florida Division of Emergency Management gave a brief update on the status of FEMA's Pre-disaster Mitigation Program.

Finally, Frank Reddish asked for volunteers to serve on a committee to develop the University of Miami Medical School's Neighborhood CARE Centers program for use in a medical or WMD situation.

The next meeting of the LMS Working Group will be March 17, 2004 at 9:30 A.M. in the operations room of the Miami-Dade Emergency Operations Center.

The Working Group meeting was adjourned at approximately 12:15 A.M. to an excellent lunch provided by our host and partner, the International Hurricane Research Center at Florida International University.

2004

Minutes of the March 17, 2004 Meeting

Held in the Miami-Dade Emergency Operations Center

Municipalities in attendance:

Coral Gables	Miami Lakes	South Miami
Florida City	Miami Shores	Sunny Isles Beach
Golden Beach	Miami Springs	Sweetwater
Homestead	North Miami	Virginia Gardens
Miami	North Miami Beach	West Miami
Miami Gardens	Palmetto Bay	

Miami-Dade departments in attendance:

Audit & Management Services	Aviation
Community Action Agency	Corrections & Rehabilitation
DERM	Emergency Management
Employee Relations	ETSD
Expressway Authority	Finance
Fire Rescue	General Services Administration
Housing Agency	Justice Administration
Juvenile Assessment Center	Park & Recreation
Performing Arts Trust	Planning & Zoning
Port of Miami	Public Works
Solid Waste Management	Strategic Business Management
Team Metro Answer Center	Transit Agency
Water & Sewer	

Others in attendance:

Alliance for Aging	American Muslim Association of N.A.
American Red Cross	C3TS
Catholic Charities	CHARLEE of Dade County, Inc.
Church World Service	Citrus Health Network
Federal Emergency Management Agency	FL Division of Emergency Management
Florida International University	Florida Memorial College
Florida Power & Light	H.J. Ross & Associates
Hurricane Protection Industries, Inc.	Mercy Hospital

Miami Children's Hospital	Miami Christian School
Miami Dade College	Miami-Dade County Public Schools
St. Lawrence School	St. Thomas University
Office of Senator Bob Graham	South Florida Regional Planning Council
South Florida Water Management District	University of Miami
URS Corporation	Vizcaya Museum and Gardens
Watergate Corporation	WFOR-CBS – Channel 4
World Relief	

Special Guests: Nir Salomon of the Consulate of Israel, Zach Bell, Zvika Greenboim and Avi Zenou of ShellPro, Sara Theis of Viracon, Allen Groover of Dewberry & Davis, and Todd Davison, Director of Mitigation for FEMA Region IV.

We welcome for the first time The following Miami-Dade Departments: Corrections, Employee Relations, General Services Administration, Justice Administration, Juvenile Assessment Center and the Performing Arts Trust.

The meeting called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish.

Frank introduced Gabriela Vigo as the new FEMA representative to our LMS group who replaces Lawrence Frank. Frank also introduced Luis Jimenez from FEMA and Kathleen Marshall and Winston Thaxter from Florida DEM.

Roslyn Viterbo was introduced as the coordinator for the Miami-Dade Citizen Corps program. Roslyn spoke on each of the Citizen Corps programs: Community Emergency Response Teams (CERT), Crime Watch, Medical Reserve Corps and Volunteers in Police Service (VIPS).

Liz Abbott, of the South Florida Water Management District gave a progress report on the C-4 Basin project. The work on phase I of the emergency detention basin is virtually complete and a dedication ceremony was held in late January attended by FEMA director Mike Brown, Governor Jeb Bush and other dignitaries. Work has already begun on phase II. The remainder of the dredging should commence soon.

Debbie Cleyman of the Miami-Dade Community Action Agency reported on the status of the residential shuttering program. Shutters have now been installed on the homes of over 940 low-income elderly citizens of this county. We are planning a special celebration to dedicate house number 1,000 which should occur in April or May of this year.

Hugh Gladwin from FIU's Laboratory for Social and Behavioral Research gave us an update on their program and how their research relates to mitigation.

Jeff Robinson, CEO of Hurricane Protection Industries introduced our next topic which is the cross use of hurricane and counter-terrorism protection. Viracon showed us how hurricane protection in the form of strengthened glass could protect against bomb blasts. Shell Pro, an Israeli

company that markets safe room to protect against bombs and missiles demonstrated how the safe room could protect against hurricanes.

Todd Davison, Mitigation Division director from FEMA Region IV spoke to the Working Group with an overview to the Flood Insurance Rate Map (FIRM) revisions currently underway in Miami-Dade County. He explained the benefits that will result from these revisions. Mike Gambino, Miami-Dade DERM chairs the FIRM map subcommittee of the LMS Flood Mitigation Committee. Other members of the FIRM committee are José Fuentes, South Florida Water Management District; Aleem Ghany, North Miami; Allen Groover, Dewberry & Davis; Bruce Henderson, Miami Beach; Peter Kory, Key Biscayne; Doug Palmer, Florida Division of Emergency Management; John Patterson, Miami-Dade Public Works; Ed Robinson, FEMA and Bashir Wayne, Miami.

The next meeting of the LMS Working Group will be June 16, 2004 at 9:30 AM in the auditorium of the Miami-Dade Fire Rescue Headquarters.

The Working Group meeting was adjourned at approximately 11:15 AM.

Minutes of the June 16, 2004 Meeting

Held in the Miami-Dade Fire Rescue Headquarters Auditorium

Municipalities in attendance:

Coral Gables	Key Biscayne	North Miami Beach
Doral	Medley	Palmetto Bay
El Portal	Miami	Pinecrest
Florida City	Miami Gardens	South Miami
Golden Beach	Miami Lakes	Sunny Isles Beach
Hialeah	Miami Shores	Sweetwater
Hialeah Gardens	Miami Springs	West Miami
Homestead	North Miami	

Miami-Dade County departments in attendance:

Aviation	Community Action Agency
Cooperative Extension Service	Environmental Resources Management
Emergency Management	Finance
Fire Rescue	General Services Administration
Housing Agency	Park & Recreation
Planning & Zoning	Police
Public Works	Strategic Business Management

Transit Agency

Water & Sewer

Others in attendance:

Alliance for Aging	American Muslim Association of N.A.
Baptist Health South Florida	Citrus Health Network
Community Partnership for the Homeless	Federal Emergency Management Agency
FL Division of Emergency Management	Florida Atlantic University
Florida International University	Florida Memorial College
H.J. Ross & Associates	Hurricane Protection Industries, Inc.
Hurst Awning	Miami-Dade County Public Schools
The Miami Herald	Mount Sinai Medical Center
St. Thomas University	Office of Senator Bob Graham
South Florida Regional Planning Council	South Florida Water Management District
University of Miami Medical School	URS Corporation
U.S. Department of Agriculture	World Relief

Special Guests: Nir Salomon of the Consulate of Israel, Craig Frank of Ombek Wireless Technology, and Wendy Fontaine from the Institute for Business & Home Safety.

We welcome for the first time: Florida Atlantic University

The meeting called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish.

It was noted that this meeting starts the seventh year of the Miami-Dade Local Mitigation Strategy and the Working Group. There was special recognition for Mike Gambino of DERM, John Hulse of the South Florida Regional Planning Council and Peter Kory of Key Biscayne who have served on the LMS Steering Committee since its inception in 1998.

Mike Gambino of DERM gave an update on the project to update the Flood Insurance Rate Maps (FIRM) and asked all parties that might have information and flood type data to please share it with the FIRM Committee.

Jeff Rosenberg from the Miami-Dade Office of Strategic Business Management gave a report on grants and offered to help all members of the LMS Working Group with grant information and preparation.

Bill Moriarty of the Miami-Dade Community Action Agency reported on the status of the residential shuttering program. Shutters have now been installed on the homes of over 990 low-income elderly citizens of this county. We are planning a special celebration to dedicate house number 1,000 which should occur later this month. Additionally, the program is being expanded to include low-income disabled and families with children as well as low-income elderly.

Bob Palestrant spoke on the Miami-Dade Community Emergency Response Teams (CERT). He gave a short recap of the recently concluded annual drill that was held this year at the Homestead Sports Complex. The drill involved over 55 agencies with at least 160 team members actively participating. Bob then explained the concept of developing a “CERT City” training facility. Bob introduced Ricardo Alvarez from Florida International University.

Ricardo Alvarez spoke on several topics:

- First, Ricardo introduced an architectural concept on the future CERT City through a PowerPoint presentation.
- He then explained the use of ring shank nails (each member of the group was given an actual ring shank nail) and how they significantly strengthen a roof through their use. Note: The Miami Herald was present to do a story on the nails.
- The game developed by the LMS Terrorism Mitigation Committee has been manufactured and Ricardo showed the finished product to the group. The games will eventually become part of a curriculum to teach school children about terrorism.

Hugh Gladwin from FIU’s Laboratory for Social and Behavioral Research gave us an update on their program and how their research relates to mitigation. He asked the group for input concerning mobile home parks.

At this time, Frank introduced Nir Salomon, economic affairs director from the Israeli Consulate, who in turn introduced Craig Frank representing Ombeck Wireless Technology, a company that produces a method to deliver emergency communications and alert messages to cell phones on a geographical basis. This presentation is part of the LMS ongoing program to introduce new mitigation technologies to the Working Group.

Nancy Orozco from the Small Business Development Center at Florida Atlantic University gave a presentation on the Center’s course on continuity of operations for small businesses. The course is offered free of charge and is designed to help small business prepare a plan of action in the effect of a disaster event.

Wendy Fontaine from the Institute for Business and Home Safety, an organization sponsored by the insurance industry, gave a presentation on the services they offer. IBHS also emphasizes that small business, and large ones, have a continuity of operations plan in the event of a disaster.

The next speaker was Quinton Williams from the Florida Department of Community Affairs, Division of Emergency Management who brought everyone up to date on the Pre-Disaster Mitigation (PDM) program. The state is anticipating that the fiscal year 2004-5 and fiscal year 2005-6 may be combined in a single grant cycle with up to \$300,000,000 available for the competitive bids.

The next meeting of the LMS Working Group will be September 15, 2004 at 9:30 A.M. in the auditorium of the IFAS/Cooperative Extension Service Agriculture Center in Homestead, Florida.

The Working Group meeting was adjourned at approximately 11:45 A.M.

Minutes of the September 15, 2004 Meeting

Held at the Cooperative Extension Service Agriculture Center, Homestead, Florida

Municipalities in attendance:

Coral Gables	Miami	North Miami Beach
Florida City	Miami Gardens	Opa-locka
Golden Beach	Miami Lakes	Palmetto Bay
Homestead	Miami Shores	Sweetwater
Key Biscayne	North Miami	West Miami
Medley		

Miami-Dade County departments in attendance:

Aviation	Community Action Agency
Cooperative Extension Service	Elections
Emergency Management	Environmental Resources Management
Finance	General Services Administration
Housing Agency	Mayor's Office
Park & Recreation	Port of Miami
Public Works	Solid Waste Management
Strategic Business Management	Transit Agency

Others in attendance:

Adams & Company	Alliance for Aging
C3TS Engineering	Citrus Health Network
Community Partnership for the Homeless	Federal Emergency Management Agency
FL Division of Emergency Management	Florida Atlantic University
Florida International University	Florida Memorial College
Florida Sea Grant Program	H.J. Ross & Associates
Hurricane Protection Industries, Inc.	Jackson Health System
Metal Tech, Inc.	Miami Dade College
Miami-Dade County Public Schools	Mount Sinai Medical Center
St. Thomas University	Office of Senator Bob Graham
South Florida Regional Planning Council	South Florida Water Management District
Southwest Social Services	St. Lawrence School
T.R. Jones & Company	University of Florida, IFAS

University of Miami
URS Corporation

University of Miami Medical School
U.S. Department of Agriculture

We welcome for the first time: Adams & Company and Metal Tech, Inc.

The meeting called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish, who immediately introduced Don Pybas, Director of the Cooperative Extension Service and our host for today's meeting.

Mr. Pybas gave a presentation explaining the cooperative extension service and its relationship to the University of Florida, Miami-Dade County and the community as a whole, especially the farming community.

Following Mr. Pybas' presentation Frank Reddish introduced several people in the audience who have contributed to LMS programs: Marella Crane of the Florida Sea Grant Program who was instrumental in the publishing of our *Hurricane Manual for Marine Interests*; Bill Moriarty and Debbie Cleyman for their work on the shuttering project (Note: House 1,000 was recently completed);

Pam Golden, Homeland Security Manager at the School of Justice at Miami Dade College announced that the college is offering a free citizen's course in homeland security entitled "Prepare Florida."

Niel Batista, Domestic Preparedness Coordinator for Miami-Dade Office of Emergency Management (OEM) was introduced and Niel explained that projects listed in the Domestic Preparedness Strategy are considered to be part of the Local Mitigation Strategy and vice versa.

Erin Mohres, Community Preparedness Coordinator for OEM asked that members of the group contribute to the development of the program that has been under consideration at LMS for years; namely the "Mitigation for Misers" concept or, to gather together a collection of mitigation efforts that may be done by virtually anyone and don't cost very much money. Erin has agreed to take the lead on the program.

Mike Gambino of DERM presented updates on the National Flood Insurance Program and the county and city of Miami's Floodplain Management Plans. It was explained that Miami and the County have adapted the LMS document to be used as a floodplain management plan. An integral part of this plan is to review the plan regularly, and include in the plan a progress report on how we deal with repetitive loss properties. Mr. Gambino then stated that both Miami and the county have maps of their repetitive losses and the projects they are doing in response at the rear of the room, and will answer questions and comments from the group now or after the LMS meeting.

The next speaker was Quinton Williams from the Florida Department of Community Affairs, Division of Emergency Management who spoke on the issue of pending Hazard Mitigation Grant Program (HMGP) funds that will become available as a result of this hurricane season, namely Hurricanes Charley and Frances and possibly Ivan which approaches the Florida panhandle during this

meeting. Quinton suggested that we should have our project packages read to go for a meeting in mid-October.

Hugh Gladwin, from Florida International University's Institute for Public Opinion Research gave a presentation about the goings on at the Institute. He spoke about studies of on post-hurricane behavior and research done concerning pre-Hurricane Frances. During the meeting there was a technical problem making it impossible to see Dr. Gladwin's slides. The slides are now available online at <http://www.fiu.edu/orgs/ipor/pira/lms.htm>.

Our final presentation was once more by Don Pybas, Director of the Cooperative Extension Service and our host for this morning's meeting. Don informed everyone of how important the agriculture industry is in Miami-Dade County ranking second only to tourism in magnitude. Miami-Dade represents one of the nation's top agricultural communities. Most of the audience had no idea of how large our agricultural community is.

The next meeting of the LMS Working Group will be December 15, 2004 at 9:30 AM in the auditorium of the Miami Museum of Science.

The Working Group meeting was adjourned at approximately 11:45 AM.

Minutes of the December 15, 2004 meeting

Held at the Miami Museum of Science, Miami, Florida

Municipalities in attendance:

Aventura	Medley	Opa-locka
Bay Harbor Islands	Miami	Palmetto Bay
Biscayne Park	Miami Beach	Pinecrest
Coral Gables	Miami Gardens	South Miami
Florida City	Miami Shores	Sunny Isles Beach
Golden Beach	Miami Springs	Sweetwater
Homestead	North Miami	Virginia Gardens
Indian Creek Village	North Miami Beach	West Miami
Key Biscayne		

Miami-Dade County departments in attendance:

Aviation	Community Action Agency
Cooperative Extension Service	Emergency Management
Environmental Resources Management	Expressway Authority
General Services Administration	Housing Agency
Human Services	Police
Port of Miami	Public Works
Strategic Business Management	Transit Agency

Water & Sewer

Others in attendance:

American Muslim Association	American Red Cross
Baptist Health South Florida	Barry University
C3TS Engineering	Citrus Health Network
City of Marathon, Florida	Disaster Management, Inc.
Exeter Architectural Products	Federal Emergency Management Agency
FL Division of Emergency Management	Florida Atlantic University
Florida International University	Florida Memorial College
Florida Power & Light	Florida Sea Grant Program
H.J. Ross & Associates	Hurricane Protection Industries, Inc.
Hurst Awing Co.	Independent Insurance Agents of Dade
Jackson Health System	Jackson Memorial Hospital
Mercy Hospital	Miami Bridge Youth & Family Services
Miami Children's Hospital	Miami Christian School
Miami Dade College	Miami-Dade County Public Schools
Miami Jewish Home & Hospital	Mount Sinai Medical Center
Museum Consultants	Pristine Power
RO Architects – Planners	St. Thomas University
Office of Senator Bob Graham	South Florida Regional Planning Council
South Florida Water Management District	University of Florida, IFAS
University of Miami	University of Miami Medical School
URS Corporation	U.S. Department of Agriculture
Villanueva & Associates	WFOR-CBS-4

We welcome for the first time: Miami-Dade Human Services, Miami Jewish Home & Hospital and Pristine Power.

The meeting called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish who reminded everyone to get his or her updates to the LMS Master Document in because it is for publication December 31, 2004. Frank also brought up the fact the CBIR or legislative member projects must now be listed in the LMS as well.

Frank covered other LMS old business noting that the Pet Shelter plan was complete except for a location and asked everyone to help find a site. He also mentioned that over 1,000 homes have been shuttered in the residential shuttering program.

At this point Frank introduced Michael Nardone, vice president of URS Corporation and manager of their Miami office. Michael and URS are our sponsors for this meeting and provided the refreshments and highly engineered coffee mugs. Mr. Nardone then introduced Gillian Thomas, president of the Miami Museum of Science and our host for this meeting. She gave a short briefing on the museum and invited everyone to take a tour following the LMS meeting.

Erin Mohres, Community Preparedness Coordinator for OEM repeated what she had requested at the last meeting and asked that members of the group contribute to the development of the program that has been under consideration at LMS for years; namely the “Mitigation for Misers” concept or, to gather together a collection of mitigation efforts that may be done by virtually anyone and don’t cost very much money. Erin already has a number of excellent concepts and would like some more.

Next, Marella Crane of the Florida Sea Grant Program spoke to the group with some interesting statistics about the boating industry in south Florida. Marella is producing a DVD similar to the booklet she compiled, the *Hurricane Manual for Marine Interests*.

Hugh Gladwin, from Florida International University’s Institute for Public Opinion Research brought us up to date on the goings on at the Institute. He gave a presentation concerning wind monitoring research done during the recent rash of hurricanes. They placed monitoring equipment at various point around the state and took actual, real time reading of wind speeds.

Niel Batista, Domestic Preparedness Bureau Manager for Miami-Dade Office of Emergency Management (OEM) was introduced and Niel explained that projects listed in the Domestic Preparedness Strategy are considered to be part of the Local Mitigation Strategy and vice versa. He gave an overview of the various domestic preparedness grant programs

At this point in the meeting Frank Reddish gave an overview of the various grant programs in open cycle at this time, namely the Hazard Mitigation Grant Program (HMGP), the Pre-Disaster Mitigation Program (PDM), the Flood Mitigation Assistance Program (FMA) and the Residential Construction Mitigation Program (RCMP). Frank reported that he and several others from the LMS Working Group had attended a HMGP workshop on December 10th in Hobe Sound, Florida.

Our final presentation was an overview of the grant funding process by Lawrence Frank of URS Corporation. Lawrence covered the dos and don’ts of successfully getting a grant funded by FEMA. He also covered benefit/cost analysis, which is required for all the EMA grants. The benefit/cost analysis must now be done by the applicant. FEMA has set up a hotline at (866) 222-3580 or on line at bchelp@urscorp.com. The hotline is run, of course, by our friends at URS Corporation.

A benefit/cost analysis training course will be conducted at the Miami-Dade EOC on January 20 and 21, 2005.

The next meeting of the LMS Working Group will be March 16, 2005 at 9:30 A.M. at the Graham Center at Florida International University.

The Working Group meeting was adjourned at approximately 11:45 A.M. and was followed by a tour of the museum for interested parties.

2005

Minutes of the March 16, 2005 Meeting

Held at the Graham Center, Florida International University, Miami, Florida

Municipalities in attendance:

Bay Harbor Islands	Key Biscayne	Miami Shores
Biscayne Park	Medley	North Miami
Coral Gables	Miami	Palmetto Bay
Doral	Miami Beach	Pinecrest
Golden Beach	Miami Gardens	Sweetwater
Homestead	Miami Lakes	West Miami
Indian Creek Village		

Miami-Dade County departments in attendance:

311 Center	Animal Services
Aviation	Community Action Agency
Emergency Management	Environmental Resources Management
Fire Rescue	General Services Administration
Housing Agency	Police
Port of Miami	Public Works
Solid Waste Management	Strategic Business Management
Transit Agency	Water & Sewer

Others in attendance:

American Muslim Association	American Red Cross
Baptist Health South Florida	C3TS Engineering
CDS Technologies	Citrus Health Network
City of Deerfield Beach	Family Resource Center
Federal Emergency Management Agency	FL Division of Emergency Management
Florida International University	Florida Memorial College
H.J. Ross & Associates	Hialeah Housing Authority
Hurst Awing Co	James Lee Witt & Associates
Jackson Health System	Macy's Florida
Mercy Hospital	Miami Bridge Youth & Family Services
Miami Children's Hospital	Miami Jewish Home & Hospital

Mount Sinai Medical Center	Palm Gardens of Aventura
RO Architects – Planners	St. Thomas University
South Florida Regional Planning Council	South Florida Water Management District
University of Miami	University of Miami Medical School
U.S. Small Business Administration	WFOR-CBS-4

Special Guest: City of Deerfield Beach, Florida, Hurricane Warning Project

We welcome for the first time: CDS Technologies, Family Resource Center, Macy’s Florida, Palm Gardens of Aventura and the U.S. Small Business Administration.

The meeting called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish. For the first order of business, Frank awarded the prizes for the “Name the Book” contest to runners up Peter Kory of Key Biscayne, Ed Robinson of FEMA, Marta Silva of Miami-Dade Transit Agency and Frances Spiegel of Florida International University and to the contest winner, Liz Gutierrez, of Miami-Dade Office of Emergency Management. Liz’s winning title for the booklet containing an outline of the completed projects of the Miami-Dade Local Mitigation Strategy is: *Ready, Set, Mitigated.*

It was announced that the House passed H.R. 1134, which forbids the IRS from taxing hazard mitigation proceeds or gains due to retrofits.

Frank reminded everyone that the HMGP grants are open and that county departments can’t wait until the last day if they want an official signature on the grant application. The deadline for HMGP under Hurricanes Charley, Frances and Jeanne has been extended until May 2, 2005.

Erin Mohres, Community Preparedness Coordinator for OEM, announced that there will be a free seminar on business preparedness at the Miami branch of Florida Atlantic University.

At this point Frank introduced Carolyn Robertson of the International Hurricane Research Center at Florida International University and our sponsor for today’s meeting. We thank Carolyn and IHRC for their hospitality and also for the refreshments served prior to the meeting. Carolyn told the group that FIU is now participating in FEMA’s Disaster Resistant Universities program. Carolyn then introduced Forrest Masters, a wind engineer at FIU.

Forrest Masters delivered a presentation concerning research conducted during the 2004 hurricane season using wind speed recording instrumentation placed within the wind fields of the various hurricanes. This research indicated that most of time total duration of these storms the wind was hardly out of Category I range. This indicates that much must be done to strengthen buildings in Central Florida.

Hugh Gladwin, from Florida International University’s Institute for Public Opinion Research brought us up to date on the goings on at the Laboratory for Social and Behavioral Research. He gave a presentation concerning the rate of recovery following Hurricane Andrew as looked at from a standpoint of race and ethnic and economic background.

Bill Moriarty gave a recap on the Residential Shuttering Program and stated that we have been having all sorts of problems with FEMA bureaucratic red tape. It has delayed the program for over a year.

Jim Mathie of the city of Deerfield Beach Fire Rescue Department gave a presentation on the program called the "Hurricane Warning Project being developed in Deerfield Beach to build a hurricane warning demonstration facility. Jim introduced Erik Salva who is now the director of the project.

Mike Gambino of Miami-Dade Department of Environmental Resources Management gave an update on the Flood Insurance Rate Map (FIRM) remapping project that is well underway in Miami-Dade.

The final speaker in today's meeting was Jeff Crews, a structural engineer from the firm of C3TS and a member for Florida Task Force 2 USAR Team who gave a pictorial presentation on urban search and rescue with emphasis on the World Trade Tower mission.

The next meeting of the LMS Working Group will be June 15, 2005 at 9:30 A.M. at the auditorium of Miami Children's Hospital.

The Working Group meeting was adjourned at approximately 11:45 A.M.

Minutes of the June 15, 2005 Meeting

Held at Miami Children's Hospital, Miami, Florida

Municipalities in attendance:

Aventura	Key Biscayne	North Miami Beach
Bay Harbor Islands	Medley	Opa-locka
Biscayne Park	Miami	Palmetto Bay
Coral Gables	Miami Beach	Pinecrest
Florida City	Miami Gardens	Sunny Isles Beach
Hialeah Gardens	Miami Springs	Sweetwater
Homestead	North Bay Village	West Miami

Miami-Dade County departments in attendance:

Community Action Agency	Cooperative Extension Service
Elections	Emergency Management
Housing Agency	Mosquito Control
Park & Recreation	Planning and Zoning

Port of Miami
Solid Waste Management
Transit Agency

Public Works
Strategic Business Management

Others in attendance:

American Muslim Association	Alliance for Aging
American Red Cross	Baljet Environmental, Inc.
Baptist Health South Florida	Barry University
C3TS Engineering	Centurion Security Screens
CHARLEE of Dade County	Exeter Architectural Products, Inc.
Citrus Health Network	Federal Alliance for Safe Homes
Florida Atlantic University	FL Division of Emergency Management
Florida International University	Florida Memorial University
Florida Sea Grant	H.J. Ross & Associates
Hialeah Housing Authority	Hurricane Protection Industries, Inc.
Inframatrix, LLC	Jones Lang LsSalle
Jackson Health System	Loomis & Associates
Malcolm Pirnie, Inc.	Mercy Hospital
Miami Children's Hospital	Miami Dade College
Miami-Dade County Public Schools	Miami Jewish Home & Hospital
Mount Sinai Medical Center	Neighbors 4 Neighbors
PAWA Engineering	RO Architects – Planners
St. Thomas University	South Florida Regional Planning Council
South Florida Water Management District	Southwest Social Services
University of Florida	University of Miami
U.S. Small Business Administration	WFOR-CBS-4

Special Guests: Bill York, Federal Alliance for Safe Homes and Ilene Rubio, U.S. Small Business Administration

We welcome for the first time: Inframatrix, Malcolm Pirnie, Inc., Miami-Dade Elections Department

Prior to the start of the Working Group meeting, our host, Miami Children's Hospital served an excellent array of refreshments. Thank you, MCH.

The meeting called to order at approximately 9:30 A.M. by LMS Coordinator, Frank Reddish who introduce Tom Rosek, President and CEO of Miami Children's Hospital. Mr. Rosek welcomed the LMS Working Group to Miami Children's Hospital and gave the group and brief history of the hospital including details of the encapsulation project that was partially funded through the Local Mitigation Strategy. He presented Frank with a plaque as a thank you.

Frank reminded everyone that the next publication date for the Local Mitigation Strategy is in two weeks on June 30th and that everyone who hasn't done so should get their project list updates in as soon as possible. Frank also reminded everyone of the "rules" for submitting projects.

At this point Frank introduced John Hulse of the South Florida Regional Planning Council who invited members of the Working Group to participate in a Special High Hazard Areas task force to discuss items such as evacuations and post disaster redevelopment.

The next speaker was Bill York from the Federal Alliance for Safe Homes – FLASH – who gave a presentation that outlined all the latest efforts of FLASH including excellent animated short subjects on various building issues. He also spoke about all the new "*Flashcard*" subjects. Thank you Bill and thank you FLASH.

Bill was followed by Ilene Rubio from the U.S. Small Business Administration (SBA) who spoke to us about the SBA disaster loan program. She outlined the program and informed everyone of the benefits to be gained and the eligibility requirements of the program. It was a very informative presentation and we thank Ilene very much.

Ricardo Alvarez of FIU and FAU informed the Working Group of the results of wind pressure test recently performed on Exeter Storm Shield perforated metal window protection. A window with the product was mounted in a mockup wall with sensors in place and subjected to hurricane force winds generated by an airboat. Preliminary analysis demonstrates that there is a measurable decline in wind pressure behind the metal panel.

The final speaker in today's meeting was Alex Sera, health and medical coordinator of the Miami-Dade Office of Emergency Management. When a hurricane threatens, Alex coordinates the medical management facilities (MMF) of which Miami Children's Hospital is one. The MMF are shelters for those with certain medical problems that preclude them from using a general purpose evacuation center. Alex explained how the program works and how one participates.

The next meeting of the LMS Working Group will be September 14, 2005 at 9:30 A.M. at the auditorium of Miami-Dade Fire Rescue headquarters.

The Working Group meeting was adjourned at approximately 11:40 A.M. and was followed by a tour of the hospital, which looks really great. Thanks to Miami Children's Hospital for being our host today.

Minutes of the September 14, 2005 Meeting

Held at Miami-Dade Fire Rescue Headquarters Auditorium, Doral, Florida

Municipalities in attendance:

Aventura	Key Biscayne	North Miami
Biscayne Park	Miami	Pinecrest
Coral Gables	Miami Beach	Sunny Isles Beach
Doral	Miami Gardens	Sweetwater
Golden Beach	Miami Shores	West Miami
Hialeah Gardens	North Bay Village	

Miami-Dade County departments in attendance:

311 Center	Aviation
Community Action Agency	Elections
Emergency Management	Environmental Resources Management
Fire Rescue	General Service Administration
Housing Agency	Library System
Mosquito Control	Planning and Zoning
Police	Port of Miami
Public Works	Solid Waste Management
Strategic Business Management	Transit Agency

Others in attendance:

Baptist Health South Florida	Barry University
Catholic Charities	CHARLEE of Dade County
Community Partnership for the Homeless	Citrus Health Network
Eco-Urban, Inc.	FL Division of Emergency Management
Florida International University	Florida Memorial University
Hialeah Housing Authority	Hurricane Protection Industries, Inc.
Inframatrix, LLC	Jones Lang LaSalle
Jackson Health System	Malcolm Pirnie, Inc.
Mercy Hospital	Miami Children's Hospital
Miami Christian School	Miami Dade College
Miami-Dade County Public Schools	Miami Jewish Home & Hospital
Mount Sinai Medical Center	Neighbors 4 Neighbors
Phoenix Architectural Products	RO Architects – Planners
St. Lawrence School	St. Thomas University
South Florida Regional Planning Council	South Florida Water Management District
Southwest Social Services	University of Miami
URS Corporation	WFOR-CBS-4

We welcome for the first time: Eco-Urban, Inc., Miami-Dade Elections Department

Prior to the start of the Working Group meeting, our friends at Malcolm Pirnie, Inc. served an excellent array of refreshments. Thank you.

The meeting called to order at approximately 9:30 A.M. by LMS Coordinator, Frank Reddish. Frank opened by discussing the routine business of the Working Group.

He announced that Miami-Dade LMS Working Group Members have been awarded twenty of the twenty-two 2005 Pre-Disaster Mitigation Grant Program (PDM) grants awarded in the state of Florida. The big winners were Jackson Health System, the University of Miami, the Miami-Dade Police Department, Miami Children's Hospital, and the city of Miami with awards totaling over \$14 million.

It was also announced that the 2006 PDM program will open for applications very soon and the deadline is midnight, Tuesday, January 17, 2006. It was mentioned that Hurricane Katrina (Disaster 1602) will generate funds for the Hazard Mitigation Grant Program (HMGP).

A reminder was given that the Community Budget Issue Requests for funding by the state legislature must once again be included in the LMS projects list.

Frank announced that a Presidential Emergency Declaration has been made to cover the costs to house or otherwise assist those displaced by Hurricane Katrina from Alabama, Louisiana and Mississippi – FEMA-3220-EM-FL.

At this point Frank introduced Mike Gambino of the Miami-Dade Department of Environmental Resources Management, the county's flood plane manager, who discussed the ongoing update to the Miami-Dade Flood Insurance Rate Maps. Draft maps will be released soon for public commentary. Mike also discussed the National Flood Insurance Program's Community Rating System and encouraged those municipalities that do not participate to do so.

Our next speaker was Dr. Hugh Gladwin from the Institute of Public Opinion Research at Florida International University. Dr. Gladwin presented historical data concerning evacuation for the recent hurricanes that have affected the United States.

Sam Rosania from Malcolm Pirnie, Inc. gave a presentation entitled "Effective Strategies for Disaster Preparation" that reviewed all of the recommended objectives in, as the title suggests, disaster preparation.

Clay Pacheco, vulnerability reduction coordinator from the Miami-Dade Office of Emergency Management, presented an overview of the Vulnerability Reduction Program and how it affects our community.

Finally, Frank Reddish gave a PowerPoint presentation showing the completed projects of the Miami-Dade Local Mitigation Strategy. These projects, which cost over \$150 million, represent only those completed under the auspices of the LMS and do not include the Public Assistance Enhancements (406 mitigation) being done following Hurricane Irene and the No-Name storm of 2000 nor any mitigation done prior to the formation of the Local Mitigation Strategy; and there was a lot.

The next meeting of the LMS Working Group will be December 14, 2005 at the north campus of Miami Dade College.

The Working Group meeting was adjourned at approximately 11:40 A.M. and was followed lunch, which was provided, like brunch was, by those excellent people at Malcolm Pirnie, Inc. Thank you, Malcolm Pirnie.

Minutes of the December 14, 2005 Meeting

Held at the Lehman Theater, Miami Dade College, North Campus

Municipalities in attendance:

Aventura	Medley	North Miami
Bay Harbor Islands	Miami	North Miami Beach
Biscayne Park	Miami Beach	Opa-locka
Coral Gables	Miami Gardens	Palmetto Bay
Florida City	Miami Lakes	Pinecrest
Golden Beach	Miami Shores	Sweetwater
Homestead	Miami Springs	Virginia Gardens
Key Biscayne	North Bay Village	West Miami

Miami-Dade County departments in attendance:

Administrative Office of the Courts	Emergency Management
Finance	General Service Administration
Housing Agency	Police
Port of Miami	Public Works
Solid Waste Management	Transit Agency
Water & Sewer	

Others in attendance:

American Muslim Association	Baptist Health South Florida
Barry University	C3TS Consulting
Camillus House	Care Resource
Catholic Charities	Citrus Health Network
Coral Gables Hospital	Equal Opportunity Family Health Center
Exeter Architectural Products	Federal Emergency Management Agency

Fellowship House	FL Division of Emergency Management
Florida International University	Florida Memorial University
Greater Miami Jewish Community Services	Hebrew Homes Foundation
Hialeah Housing Authority	J.B. Mathews Company
Jackson Health System	Johnson & Wales University
Mercy Hospital	Miami Children's Hospital
Miami Dade College	Miami Jewish Home & Hospital
Mount Sinai Medical Center	Partnership for Recovery
RO Architects – Planners	St. Lawrence School
St. Thomas University	South Florida SPCA
Tylin-H.J.Ross	University of Miami
The Village	

We welcome for the first time: Administrative Office of the Courts, Camillus House, Care Resource, Coral Gables Hospital, Equal Opportunity Family Health Center, Fellowship House, Hebrew Homes Foundation, J.B. Mathews Company, Partnership for Recovery and, the South Florida Society for the Prevention of Cruelty to Animals.

Prior to the start of the Working Group meeting, our friends from Miami Dade College served coffee and bagels. We thank you.

The meeting was called to order at approximately 9:30 A.M. by LMS Coordinator, Frank Reddish. Frank opened by discussing the routine business of the Working Group.

He announced that Miami-Dade LMS Working Group members have been awarded twenty-three of the twenty-six 2005 Pre-Disaster Mitigation Grant Program (PDM) grants awarded in the state of Florida, an increase of three since our last meeting. The big winners were Jackson Health System, the University of Miami, the Miami-Dade Police Department, Miami Children's Hospital, and the city of Miami with awards totaling over \$18 million.

It was also announced that the 2006 PDM program is open for applications. Because of the recent hurricanes, the deadline to send applications to the state of Florida is now February 3, 2006.

A reminder was given that the Community Budget Issue Requests for funding by the state legislature must once again be included in the LMS projects list.

The EMPA (Emergency Management Preparedness and Assistance Trust Fund) grants program window is open and bonus points are awarded to projects included in the Local Mitigation Strategy. Information on the EMPA program is available at www.floridadisaster.org. The EMPA window closes February 7, 2006.

At this point Frank noted that the update to the Miami-Dade Flood Insurance Rate Maps is complete and that the maps will be distributed to the municipalities for comment very soon. Everyone is encouraged to carefully check them out.

Ricardo Alvarez and Hugh Gladwin of Florida International University, along with Tim Reinhold of the Institute for Business and Home Safety, recently traveled to Cancun, Mexico at the invitation of the Mexican Government to study the effects of Hurricane Wilma. Ricardo gave a presentation on the effects of the hurricane on the structures of Cancun, especially the hotels and the beaches. Hugh followed with a presentation on the effects of the hurricane on the population of Cancun. Both presentations were excellent with much positive feedback.

Frank Reddish gave a short PowerPoint presentation highlighting those members of the LMS Working Group that have received multiple grant awards. This was followed by an in-depth discussion on the Hazard Mitigation Grant Program (HMGP). Included in the discussion was information on pending legislation that may impact HMGP and the Miami-Dade County mitigation program. One such item is a bill before congress to return the HMGP funding percentage to the original number of 15% from the current 7.5%. This would have a dramatic affect on our program; however, passage does not seem promising. Regardless of the percentage, the hurricanes of 2006 will generate a large amount of mitigation funds available to the LMS Working Group members.

Frank went over the Local Mitigation Strategy of Miami-Dade and all the rules and regulations that govern applicant and project eligibility. He also discussed ways that may increase an applicant's chances of success by improving the grant applications.

The meeting adjured at approximately 11:30 AM. The next meeting of the LMS Working Group will be at 9:30 A.M. on March 15, 2006 in the auditorium of the Miami Heart Institute, which is part of Mount Sinai Medical Center.

2006

Minutes of the March 15, 2006 Meeting

Held at the Miami Heart Institute, Mount Sinai Medical Center

Municipalities in attendance:

Bay Harbor Islands	Key Biscayne	North Miami
Biscayne Park	Medley	North Miami Beach
Coral Gables	Miami	Opa-locka
Doral	Miami Beach	Palmetto Bay
Florida City	Miami Gardens	Pinecrest
Golden Beach	Miami Lakes	South Miami
Hialeah	Miami Shores	Sweetwater
Hialeah Gardens	Miami Springs	Virginia Gardens
Homestead	North Bay Village	West Miami

Miami-Dade County departments in attendance:

Administrative Office of the Courts
Animal Services
Aviation
Community Action Agency
Elections
Emergency Management
Environmental Resources Management
Finance
Fire Rescue
General Service Administration
Housing Agency

Library System
Mayor's Office
Park & Recreation
Planning & Zoning
Police
Public Works
Seaport
Solid Waste Management
Strategic Business Management
Transit Agency
Vizcaya

Colleges & Universities in attendance:

Barry University
Florida International University
Miami Dade College
University of Miami

Florida Atlantic University
Florida Memorial University
St. Thomas University

Others in attendance:

American Red Cross
Better Way of Miami
Camillus House
Catholic Charities
Citrus Health Network
Community Partnership for the Homeless
Family Resource Center
Fellowship House
Greater Miami Jewish Community Services
Hialeah Housing Authority
Jackson Health System
Little Haiti Center for Disaster Resources
Mercy Hospital
Miami Beach Community Health Center
Miami Dade County Public Schools
Mount Sinai Medical Center
Night Runners Mobile Crisis Services
Phoenix Architectural Products
Ryder System, Inc.
Solid Resources, Inc.
South Florida Water Management District
United Cerebral Palsy of Miami

Baptist Health South Florida
C3TS Consulting
Care Resource
CHARLEE of Miami-Dade
Community Health of South Dade
Economic Opportunity Family Health Ctr
Federal Emergency Management Agency
FL Division of Emergency Management
Hebrew Homes Foundation
Hurricane Protection Industries, Inc.
Lanza Batista and Peterson
Malcolm Pirnie, Inc.
Miami Children's Hospital
Miami Beach Housing Authority
Miami Jewish Home & Hospital
National Weather Service
Partnership for Recovery
RO Architects – Planners
St. Lawrence School
South Florida Regional Planning Council
Southwest Social Services
The Village

WFOR-CBS-4

Special guests: From the Monroe County Local Mitigation Strategy, Rose Ann Hightower from the city of Marathon and Jerry O’Cathey from Monroe County Emergency Management

We welcome for the first time: Better Way, Comcast, Lanza Batista and Peterson, Miami Beach Community Health Center, Miami Beach Housing Authority and United Cerebral Palsy.

Prior to the start of the Working Group meeting, our friends from Mount Sinai Medical Center served an excellent continental breakfast. We thank you.

The meeting was called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish. Frank opened by discussing the routine business of the Working Group.

He announced that Miami-Dade LMS Working Group members have received their contracts for the 2005 Pre-Disaster Mitigation Grant Program (PDM) in an award amount totaling over \$18 million.

It was also announced that the Hazard Mitigation Grant Program (HMGP) for Hurricane Dennis and Katrina are now open for applications. While Miami-Dade is a Tier 3 county for Dennis, we have a Tier 1 funds availability from Katrina of over \$5 million. The deadline to send applications to the state of Florida is June 7, 2006. Details of the program and application forms may be found on-line at www.floridadisaster.org.

Erin Mohres, of the Miami-Dade Office of Emergency Management, gave a presentation on PODS – Points of Distribution – that are set up following a disaster event to distribute goods such as ice and water. Erin described what constituted the ideal POD and asked that anyone with a possibly suitable site to contact her.

Sherry Capers, also from the Miami-Dade Office of Emergency Management, gave a talk on Incident Command and the National Incident Management System (NIMS). While the incident command system has been around quite awhile, it is only recently being mandated by the federal government for emergency response to all types of situations and is tied to many funding sources as a requirement. Sherry suggested that all interested parties take the on-line courses offered by the FEMA Emergency Management Institute, especially ICS 100, ICS 200 and ICS 700.

Dr. Hugh Gladwin, director of the Institute for Public Opinion Research at Florida International University gave a presentation on warning messages and evacuation times and practices comparing Hurricanes Katrina in the Gulf Coast and Hurricanes Andrew, Opal and Floyd. He discussed which people are more likely to evacuate and others that are less likely. The size of the storm and whether landfall is during the day or night are also factors.

Rob Molleda, warning coordination meteorologist from the National Weather Service’s Miami Forecast Office, told us what the differences are between what the National Hurricane Center and the Miami Forecast Office even though both are located in the same building on the FIU campus. The National Hurricane Center, also known as the Tropical Prediction Center, looks at hurricanes

in the Atlantic, the Caribbean and the western Pacific from a global perspective while the Forecast Office studies what will happen here in South Florida.

Bryan Norcross, director of meteorology at CBS affiliate station WFOR, spoke about what the real message might be that the public gets from various sources such as television and the National Weather Service.

The meeting adjured at approximately 11:30 AM. The next meeting of the LMS Working Group will be June, 2006 at the Graham Center on the University Park Campus of Florida International University.

Minutes of the June 14, 2006 Meeting

Held at the Graham Center, Florida International University

Municipalities in attendance:

Aventura	Miami	Opa-locka
Biscayne Park	Miami Beach	Palmetto Bay
Doral	Miami Gardens	Pinecrest
Florida City	Miami Lakes	Sunny Isles Beach
Golden Beach	Miami Shores	Sweetwater
Homestead	North Miami	

Miami-Dade County departments in attendance:

Animal Services	Housing Agency
Capital Improvements	Library System
Community Action Agency	Park & Recreation
Community & Economic Development	Police
Cooperative Extension Service	Public Works
Elections	Seaport
Emergency Management	Solid Waste Management
Environmental Resources Management	Strategic Business Management
Enterprise Technology Services	Transit Agency
Fire Rescue	Vizcaya

Colleges & Universities in attendance:

Barry University	Florida Atlantic University
Florida International University	Florida Memorial University
Johnson & Wales University	Miami Dade College
St. Thomas University	University of Florida

University of Miami

Others in attendance:

American Red Cross	Baptist Health South Florida
CHARLEE of Miami-Dade	Citrus Health Network
Economic Opportunity Family Health Ctr	Federal Emergency Management Agency
FL Department of Financial Services	FL Division of Emergency Management
Hialeah Housing Authority	H.J Ross & Associates
Hurricane Protection Industries, Inc.	Jackson Health System
Lanza Batista and Peterson	Little Haiti Center for Disaster Resources
Mercy Hospital	Miami Bridge
Miami Beach Community Health Center	Miami Beach Housing Authority
Miami Children's Hospital	Miami-Dade County Health Department
Miami Lighthouse for the Blind	Mount Sinai Medical Center
Phoenix Architectural Products	RO Architects – Planners
South Florida Water Management District	United Cerebral Palsy of Miami
United State Department of Agriculture	URS Corporation

Special guests: Michael Schoder from OneStorm and Alina Torres and Maritza Sanchez of the Florida Department of Financial Services.

We welcome for the first time: Sylvia Perez and Cori Ornez from the Miami Lighthouse for the Blind.

Prior to the start of the Working Group meeting, our friends from Florida International University served an excellent continental breakfast. We thank you.

The meeting was called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish. Frank opened by announcing a contest. In 2004 the September LMS meeting was held between hurricanes Frances and Ivan; in 2005 the September LMS meeting was held between hurricanes Katrina and Rita. The contest is to guess which two hurricanes the September 2006 meeting of the LMS will fall between.

Frank discussed some of the routine business of the Working Group including letting everyone know that the HMGP awards for the 2004 storms are finally being issued. Frank assured the group that we would discuss Hurricane Wilma issues at the end of the program.

Frank then introduced Bruce Dunlap and Carolyn Robertson, our FIU hosts, who gave a presentation about the FIU process of joining the FEMA “Disaster Resistant Universities” (DRU) program. The DRU plan is nearing completion and the formal application to become a DRU should take place later this summer. Dr. Dunlap is the chairman of the FIU DRU advisory board and Carolyn is on the board and is also the assistant director of the International Hurricane Research

Center at FIU. As a side note, Frank Reddish, the Miami-Dade LMS coordinator is also on the FIU DRU advisory board.

Mike Gambino, from Miami-Dade Department of Environmental Resources Management and the county's flood plain manager, spoke on flood plain management plans including the adaptation of the Miami-Dade LMS as a flood plain management plan that may be used by our municipalities. Mr. Gambino also brought a progress report on repetitive losses in the unincorporated areas of the County, that show what flood mitigation projects have been planned and implemented in repetitive loss areas. This report is available for review after the meeting and any other time by contacting Mr. Gambino at (305) 372-6473.

Hugh Gladwin, director of the Institute for Public Opinion Research at FIU, spoke of his trips to New Orleans and Cancun, Mexico to study the effects of Hurricanes Katrina and Wilma on the residents of those cities.

Alina Torres, from the Florida Department of Financial Services, spoke to the group about insurance issues following a hurricane or other event. She emphasized that the members of the Working Group must be knowledgeable about insurance as individuals as well as representatives of an organization.

Don Pybas, director of the Miami-Dade Cooperative Extension Service, gave a presentation on damages caused by trees that are uprooted during a hurricane. He announced that the annual workshop on the proper way to prune a tree for hurricane survivability will be held on June 28, 2006 at the Miami-Dade fairgrounds.

Mark Schoder of OneStorm explained his program that provides a free family emergency plan. The program is available on-line and is certainly worthwhile to look into: <http://www.onestorm.org/> OneStorm will also assist companies in making custom plans for their employees.

Frank Reddish explained the rules that will be in effect for the Hurricane Wilma Hazard Mitigation Grant Program (HMGP) which is to be announced by the state of Florida on Friday, June 16th. The Tier 1 amount for Miami-Dade County is expected to be approximately \$18.1 million.

Frank also explained that the LMS project list will close for publication June 30, 2006. Frank also went over the rules for submitting projects for inclusion in the Local Mitigation Strategy and reminded everyone that projects must be included in the list to be eligible for HMGP funding.

Finally, Frank explained the workings of the LMS priority matrix, which is required to be competed and submitted for every HMGP project that will be applied for under Wilma.

The LMS Working Group meeting adjourned at approximately 11:40 AM. The next meeting of the Working Group will be 9:30 A.M., September 13, 2006 at the city of Homestead's city hall.

Minutes of the September 13, 2006 Meeting

Held at the City of Homestead City Hall

Municipalities in attendance:

Bay Harbor Islands	Homestead	Miami Springs
Biscayne Park	Key Biscayne	North Miami
Coral Gables	Miami	North Miami Beach
Doral	Miami Beach	Palmetto Bay
El Portal	Miami Gardens	Pinecrest
Florida City	Miami Lakes	Virginia Gardens
Hialeah	Miami Shores	

Miami-Dade County departments in attendance:

Capital Improvements	Police
Community Action Agency	Public Works
Elections	Seaport
Emergency Management	Solid Waste Management
Environmental Resources Management	Strategic Business Management
General Services Administration	Team Metro
Fire Rescue	Transit Agency
Library System	Vizcaya
Mosquito Control	

Colleges & Universities in attendance:

Barry University	Florida Atlantic University
Florida International University	Miami Dade College
St. Thomas University	University of Miami

Others in attendance:

American Red Cross	Alliance for Aging
Alliance for Human Services	Baptist Health South Florida
Biscayne National Park	Camillus House
Catholic Charities	CHARLEE of Dade County
Citrus Health Network	Economic Opportunity Family Health Ctr
Everglades & Dry Tortugas National Park	Federal Emergency Management Agency
FL Division of Emergency Management	Hialeah Housing Authority

Jackson Health System	Lanza Batista and Peterson
Little Haiti Center for Disaster Resources	Mercy Hospital
Miami Bridge	Miami Beach Community Health Center
Miami Beach Housing Authority	Miami Children's Hospital
Miami-Dade County Health Department	Miami Jewish Home & Hospital
Miami Lighthouse for the Blind	Mount Sinai Medical Center
Project H.O.P.E.	RO Architects – Planners
St. Lawrence School	Solid Resources, Inc.
South Florida Water Management District	U.S. Department of Agriculture
URS Corporation	WFOR-CBS-4

Special guests: Jonathan Cadwean-Evans from Loughborough University, UK and representatives from the three national parks headquartered in Miami-Dade County: Biscayne National Park, Everglades National Park and Dry Tortugas National Park

We welcome for the first time: The Alliance for Human Services and Project H.O.P.E.

Prior to the start of the Working Group meeting, our friends from the city of Homestead served an excellent array of donuts and coffee. We thank you.

The meeting was called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Curt Ivy, city manager of Homestead who welcomed everyone to Homestead and to the Homestead City Hall.

Frank gave an update for the “Pick the Hurricanes” contest. Remember that in 2004 the September LMS meeting was held between hurricanes Frances and Ivan; in 2005 the September LMS meeting was held between hurricanes Katrina and Rita. The contest was to guess which two hurricanes the September 2006 meeting of the LMS will fall between. Well, the pre-meeting storm was Ernesto which leaves four people still in the running: Willie Duckworth, Lorena Morrison, Remigio Pando and Kathy Erhman.

Frank Reddish noted that applications for the Hurricane Wilma Hazard Mitigation Grant Program (HMGP) must be sent by this Friday (September 15, 2006). The Tier 1 dollar amount for Miami-Dade County is expected to be approximately \$18 million.

Bryan Norcross took a few minutes to tell the group about his new book,

Carlos Cardenas, from the Small Business Development Center at Florida Atlantic University, gave a presentation explaining what the Center does and how it works closely with the United States Small Business Administration.

Mark Buchbinder, executive director of the Alliance for Human Services then gave a presentation in two parts. The first one explained about his organization, which is the community-wide planning agency for human services charged with developing and updating a “Social Services Master Plan.” The second part of his talk was to explain VOAD (Volunteer Agencies Active in Disasters) and what is being done to broaden the scope of VOAD in Miami-Dade County.

Finally, Frank explained the workings of the LMS priority matrix, which is required to be completed and submitted for every HMGP project that will be applied for under Wilma. It was recommended that if you have applied for an HMGP grant under Hurricane Katrina or one of the 2004 storms (Charley, Frances or Jeanne) but still do not have formal notification – a contract or letter from Florida Division of Emergency Management – then go ahead and apply again under Hurricane Wilma, DR-1609. Do not act based a telephone call from some one you don't know.

Frank apologized because two of our scheduled speakers were unable to attend.

The LMS Working Group meeting adjourned at approximately 11:05 AM. The next meeting of the Working Group will be 9:30 A.M., December 13, 2006 at Saint Thomas University in the Moot Court Room of the Law School.

Minutes of the December 13, 2006 Meeting

Held at the St. Thomas University Law School

Municipalities in attendance:

Bay Harbor Islands	Homestead	North Miami
Biscayne Park	Key Biscayne	North Miami Beach
Coral Gables	Miami	Palmetto Bay
Doral	Miami Beach	Pinecrest
El Portal	Miami Gardens	South Miami
Golden Beach	Miami Lakes	Sweetwater
Hialeah	Miami Shores	West Miami

Miami-Dade County departments in attendance:

Aviation	Park & Recreation
Capital Improvements	Planning & Zoning
Community Action Agency	Police
Elections	Public Works
Emergency Management	Solid Waste Management
Environmental Resources Management	Strategic Business Management
General Services Administration	Team Metro
Fire Rescue	Transit Agency
Library System	Vizcaya
Mosquito Control	Water & Sewer

Colleges & Universities in attendance:

Barry University
Florida International University
Miami Dade College
University of Florida

Florida Atlantic University
Johnson & Wales University
St. Thomas University
University of Miami

Others in attendance:

American Muslim Association
CHARLEE of Dade County
Disaster Management, Inc.
Health Law Institute
Hurricane Protection Industries, Inc.
Intercon ODS
Lutheran Services of Florida
Mercy Hospital
Miami Beach Housing Authority
Miami-Dade County Health Department
Miami Lighthouse for the Blind
Phoenix Architectural Products
RO Architects – Planners
Solid Resources, Inc.
South Florida Water Management District
URS Corporation

Baptist Health South Florida
Citrus Health Network
Economic Opportunity Family Health Ctr
Hialeah Housing Authority
IBM
Jackson Health System
Lanza Batista and Peterson
Miami Beach Community Health Center
Miami Children’s Hospital
Miami Jewish Home & Hospital
Mount Sinai Medical Center
Project H.O.P.E.
St. Lawrence School
South Florida Regional Planning Council
United Cerebral Palsy
WFOR-CBS-4

We welcome for the first time: IBM and Intercon ODS

Prior to the start of the Working Group meeting, our friends from St. Thomas University served an excellent array fruits, pastries and coffee. We thank them.

The meeting was called to order at approximately 9:30 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Beatrix Robinson, vice president of planning for St. Thomas University who welcomed everyone to the university and to the Moot Court Room of the Law School.

Frank gave an update for the “Pick the Hurricanes” contest, namely, no one won because we didn’t have any hurricanes.

Frank Reddish noted that applications for the FY 2007 Pre-Disaster Mitigation (PDM) grant program must be at the state of Florida no later than January 12, 2007 and that the 2007 cycle for the Emergency Management Preparedness and Assistance (EMPA) Trust Fund program is also open.

Then Hugh Gladwin, director of the Institute of Public Opinion Research at Florida International University discussed the hurricane evacuation issue for Hurricane Katrina in New Orleans. Accord-

ing to Dr. Gladwin the full evacuation went rather well regardless of how it was presented in the media.

Steve Luis, director of information technologies and business relations at the Florida International University College of Engineering and Computing explained a new program under development called “BCIN: Business Continuity Information Network for Rapid Disaster Recovery” which is designed to assist businesses in the aftermath of a disaster, especially a major hurricane. The program is endorsed by IBM, Office Depot, Florida Power & Light and the Miami-Dade Office of Emergency Management & Homeland Security.

Next, Diego Barrero from Intercon ODS gave a talk on the importance of backing up important data to a distant location rather than to another computer or service at the same location as the user’s site.

Evan Skornick, a senior planner with the South Florida Water Management District announced that the FY 2007 cycle for the Community Budget Issue Request (CBIR) funding is now open and will close January 12, 2007. Application forms will be sent out to everyone during the next couple of days.

Finally, Adrian Hunsberger, an entomologist from the Miami-Dade Cooperative Extension Service and the University of Florida’s Institute of Food and Agricultural Sciences gave a talk on Africanized honey bees, which have appeared in Miami-Dade County in growing numbers. She discussed the differences between the Africanized bees and the regular bees and pointed out that the best and perhaps only way to deal with an attack is to run and keep running. She stated that one should not attempt to rescue someone who is being attacked unless you are thoroughly trained. Most might know Adrian from the column she writes that appears in the Miami Herald Home and Garden section on Sundays.

The LMS Working Group meeting adjourned at approximately 11:30 AM. The next meeting of the Working Group will be 9:30 A.M., March 14, 2007 at University of Miami’s Rosenstiel School of Marine and Atmospheric Science on Virginia Key.

2007

Minutes of the March 14, 2007 Meeting

Held at the University of Miami Rosenstiel School of Marine and Atmospheric Sciences

Municipalities in attendance:

Bay Harbor Islands	Key Biscayne	North Miami Beach
Coral Gables	Miami	Palmetto Bay
Doral	Miami Beach	Pinecrest
El Portal	Miami Gardens	South Miami
Golden Beach	Miami Shores	Sunny Isles Beach
Hialeah	Miami Springs	Sweetwater
Hialeah Gardens	North Miami	West Miami
Homestead		

Miami-Dade County departments in attendance:

Aviation	Police
Community Action Agency	Public Works
Consumer Services	Seaport
Emergency Management	Solid Waste Management
Environmental Resources Management	Strategic Business Management
General Services Administration	Team Metro
Fire Rescue	Transit Agency
Library System	Vizcaya
Mosquito Control	Water & Sewer

Colleges & Universities in attendance:

Barry University	Florida International University
Johnson & Wales University	Miami Dade College
St. Thomas University	University of Florida
University of Miami	

Others in attendance:

Alliance for Human Services	American Muslim Association
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Baptist Health South Florida	Beckman Coulter, Inc.
Brevard County LMS	CHARLEE of Dade County
Citrus Health Network	Community Partnership for the Homeless
Dutko Worldwide	FEMA
FPL	Hialeah Housing Authority
H.J. Ross & Associates	Hurricane Protection Industries, Inc.
IBM	Jackson Health System
Mercy Hospital	Miami Beach Housing Authority
Miami Bridge	Miami Children's Hospital
Miami-Dade County Health Department	Miami Dade County Public Schools
Mount Sinai Medical Center	National Weather Service
Phoenix Architectural Products	Solid Resources, Inc.
South Florida Regional Planning Council	South Florida Water Management District
Tylin International	URS Corporation
WFOR-CBS-4	

We welcome for the first time: AdaptiveDB, LLC, Beckman Coulter, Inc., Dutko Worldwide and Patton Harris Rust & Associates and also our special guest, Ann Fosburr, the LMS coordinator for Brevard County.

Prior to the start of the Working Group meeting, our friends from the University of Miami served an excellent array of fruit, pastries, coffee and juice. We thank them.

The meeting was called to order at approximately 9:30 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Ken Capezzuto, director of Environmental Health & Safety and the University of Miami's representative to the LMS who, in turn, introduced our host, Larry Peterson, associate dean of the Rosenstiel School. Dr. Peterson welcomed the members of the LMS Working Group and showed a very informative presentation about the Rosenstiel School and what is done there.

Frank Reddish noted that the United States Congress has appropriated \$100,000,000 for the Pre-Disaster Mitigation (PDM) grant program for the 2008 fiscal year. It is still uncertain when the grant cycle will open. He also mentioned that the HMGP awards for the 2004 storms is finally almost concluded.

Then, Hugh Gladwin, director of the Institute of Public Opinion Research at Florida International University discussed hurricane evacuation research and its value to the community.

Next, Brett Bowen, a former FEMA environmentalist now with the engineering firm of Patton Harris Rust & Associates, demonstrated a new software that has been developed by the company AdaptiveDB, known as *PA Tracker*, which allows the user to track FEMA Public Assistance Project Worksheets and other disaster related paperwork in a totally automated manner. Brett gave a full demonstration of every aspect of the program.

Rob Molleda, warning coordination meteorologist from the National Weather Service's Miami Forecast Office gave a presentation showing the difference in the services provided by his office

and those provided by the National Hurricane Center, which happens to be located in the same building as the Forecast Office. Basically, Rob explained that the National Hurricane Center (also know as the Tropical Prediction Center) is responsible for the “big” picture or what hurricanes do on a global level while the Miami Forecast Office explores how a hurricane will affect the area of South Florida mainly Broward, .Miami-Dade, Monroe and Palm Beach counties.

Finally, Mike Gambino of the Miami-Dade Department of Environmental Resources Management and the flood plain manager for Miami-Dade County announced that the new Flood Insurance Rate Maps or FIRMs would be ready in June of this year. The municipalities should check them thoroughly to make sure they are accurate. He also announced that the Association of State Flood Plain Managers was offering a course that could earn one the designation of *Certified Flood Plain Manager*.

The LMS Working Group meeting adjourned at approximately 11:00 AM. followed by a tour of the Rosenstiel School including the grounds and the docks where their research vessel was docked. During the tour the group was able to observe windstorm protection being installed on one of the buildings that was funded through the Pre-Disaster Mitigation grant program and the Local Mitigation Strategy. The Rosenstiel School received just under \$500,000 to harden the entire marine campus. The tour was conducted by Ramon Alfonso, the Rosenstiel School’s facilities manager.

Following the tour, several of the LMS Working Group members dined in “The Commons,” the fine restaurant located on the Rosenstiel campus.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, June 13, 2007 at the city of Miami Beach’s city council chambers located on the 3rd floor of the Miami Beach City Hall at 1700 Convention Center Drive, Miami Beach.

Minutes of the June 13, 2007 Meeting

Held at the City of Miami Beach City Hall

Municipalities in attendance:

Aventura	Homestead	Opa-locka
Biscayne Park	Key Biscayne	Palmetto Bay
Coral Gables	Miami	Pinecrest
Cutler Bay	Miami Beach	South Miami
Doral	Miami Gardens	Surfside
Golden Beach	Miami Shores	Sweetwater
Hialeah	North Bay Village	West Miami
Hialeah Gardens	North Miami	

Miami-Dade County departments in attendance:

Animal Services	Public Works
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Community Action Agency	Seaport
Emergency Management	Solid Waste Management
Environmental Resources Management	Strategic Business Management
Finance	Team Metro
Fire Rescue	Transit Agency
Housing Agency	Vizcaya
Mosquito Control	Water & Sewer
Planning & Zoning	

Colleges & Universities in attendance:

Barry University	Florida International University
Johnson & Wales University	Miami Dade College
St. Thomas University	University of Miami

Others in attendance:

Alliance for Aging	Alliance for Human Services
American Red Cross	Baptist Health South Florida
Catholic Charities	The Children's Trust
Citrus Health Network	Community Partnership for the Homeless
Economic Opportunity FHC	FEMA
FPL	Hialeah Housing Authority
H.J. Ross & Associates	The Home Depot
Hurricane Protection Industries, Inc.	IBM
Mercy Hospital	Jackson Health System
Miami Children's Hospital	Miami Christian School
Miami-Dade County Health Department	Miami Dade County Public Schools
Mount Sinai Medical Center	National Weather Service
Patton Harris Rust & Associates	Phoenix Architectural Products
South Florida Regional Planning Council	South Florida Water Management District
United Cerebral Palsy	URS Corporation
U.S. Small Business Administration	Victim Services Center
Wal-Mart Stores	

We welcome for the first time: Wal-Mart Stores and welcome back after a long absence, the town of Surfside

Prior to the start of the Working Group meeting, our friends from the city of Miami Beach served an excellent array of fruit, pastries and coffee. We thank them.

The meeting was called to order at approximately 9:50 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Don Druitt, Emergency Management Coordinator for the city of Miami Beach who welcomed the members of the LMS Working Group and gave an informal introduction to the city and to the LMS.

Frank Reddish noted that the United States Congress has appropriated \$100,000,000 for the Pre-Disaster Mitigation (PDM) grant program for the 2008 fiscal year. It is still uncertain when the grant cycle will open but it could be any time now. He also mentioned that the Hazard Mitigation Grant Program (HMGP) awards for the 2004 storms have not yet concluded and the 2005 storms are just now being addressed. Since there was no declared disaster event for Miami-Dade County, there will be no HMGP program for 2006.

Frank then introduced Ricardo Alvarez, a professor at the School of Construction Management at Florida International University. Professor Alvarez gave a presentation on the implications of climate change on building design. He stated that the two components of climate change that will most affect South Florida are sea level rise and the increase in temperature.

Ricardo also noted that the state's enhanced mitigation plan is now up for review by FEMA. A mitigation committee has been formed to make sure everything is in order.

Then, Hugh Gladwin, director of the Institute of Public Opinion Research at Florida International University discussed hurricane evacuation research and why many people will not or do not evacuate even when they are told to do so by emergency managers. He discussed actual evacuation patterns in Hurricanes Andrew, Katrina and Floyd.

Next, Miguel Gonzalez, Chief of the Lender Relations Division of the United States Small Business Administration (SBA) gave a presentation on the many services provided by SBA following a disaster event such as a hurricane or tornado. He discussed SBA loan programs and which individuals and business are eligible and under what circumstances they are eligible. He also discussed how SBA works with FEMA and insurance companies to cover shortfalls such as deductibles.

The United States Congress has voted to give 100% reimbursement for Hurricane Wilma for the Public Assistance program. Eligible applicants should automatically receive the additional funding for FEMA Project Worksheets that have already been submitted. Note that this does not apply to the HMGP program where the federal share is set at 75% under Title 44 of the Code of Federal Regulations.

Frank Reddish led a discussion of an issue that has come up concerning a proposed change in Rule 9G-22 of the Florida Administrative Code. Rule 9G-22 is the rule that establishes that the county Local Mitigation Strategy working groups would be the entities that determine how HMGP funds are spent within each county. The new proposal would mandate that over 50% of all HMGP funds must be used to mitigate individual residences regardless of the wishes of the LMS working group in that county. Currently, the LMS working group could, if it wished, use 100% of the HMGP funds for mitigating individual residences. However, it is not forced to so because some distant entity determines that it knows what is best for that county. As an example, if a small, rural county has but one hospital and the county LMS determined to use HMGP funds to harden the hospital then it could do so only if there is enough funding left over after the residences are mitigation. In other words, a facility serving the entire county would go unprotected because houses belonging to a handful must be protected first. The Miami-Dade LMS Working Group voted unanimously to oppose the issue and agreed to jointly sign a letter so stating. Most members agreed to also independently oppose the matter through their lobbyists and legislators.

The LMS Working Group meeting adjourned at approximately 11:15 AM.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, September 12, 2007 in the auditorium of the **Miami Heart Institute** located at 4701 N. Meridian Avenue, Miami Beach. The Miami Heart Institute is part of Mount Sinai Medical Center.

Minutes of the September 12, 2007 Meeting

Held at the Miami Heart Institute, Mount Sinai Medical Center

Municipalities in attendance:

Biscayne Park	Homestead	North Miami
Coral Gables	Key Biscayne	Palmetto Bay
Cutler Bay	Miami	South Miami
Doral	Miami Beach	Sunny Isles Beach
Golden Beach	Miami Gardens	Surfside
Hialeah	Miami Shores	Sweetwater
Hialeah Gardens	North Bay Village	West Miami

Miami-Dade County departments in attendance:

Emergency Management	Public Works
Environmental Resources Management	Seaport
Finance	Solid Waste Management
Fire Rescue	Strategic Business Management
Housing Agency	Team Metro
Libraries	Transit Agency
Mosquito Control	Vizcaya
Planning & Zoning	Water & Sewer
Police	

Colleges & universities in attendance:

Barry University	Florida Atlantic University
Florida International University	Johnson & Wales University
Miami Dade College	St. Thomas University
University of Miami	

Others in attendance:

Alliance for Human Services	American Red Cross
Baptist Health South Florida	Baptist Hospital
Catholic Charities	The Children's Trust
Citrus Health Network	Community Partnership for the Homeless
Doctor's Hospital	Florida Division of Emergency Management

FEMA	FPL
Hialeah Housing Authority	H.J. Ross & Associates
The Home Depot	Hurricane Protection Industries, Inc.
IBM	InnoVida
Jackson Health System	Larkin Hospital
Mercy Hospital	Miami Beach Housing Authority
Miami Bridge	Miami Children's Hospital
Miami Christian School	Miami-Dade County Health Department
Miami Dade County Public Schools	Miami Jewish Home & Hospital
Mount Sinai Medical Center	Phoenix Architectural Products
SFI Hospital & Healthcare Association	South Florida Water Management District
South Miami Hospital	United Cerebral Palsy
URS Corporation	U.S. Small Business Administration
Wal-Mart Stores	

Special Guests: Leslie Chapman-Henderson of FLASH (Federal Alliance for Safe Homes) and Sue Hopfensperger of ISO (Insurance Service Organization)

We welcome for the first time: InnoVida Holdings, Inc., Larkin Hospital and SFI Hospital & Healthcare Association

Prior to the start of the Working Group meeting, our friends from Mount Sinai Medical Center served an excellent array of fruit, pastries, juice and coffee. We thank them.

The meeting was called to order at approximately 9:40 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Amy Perry, Chief Operating Officer for Mount Sinai Medical Center and our host for this meeting who welcomed the members of the LMS Working Group and gave everyone an overview of Mount Sinai and especially the recently completed mitigation that hardened the De Hirsch Meyer Building.

Frank Reddish noted that the grant cycle for the Pre-Disaster Mitigation (PDM) grant program for the 2008 fiscal year could be opened any time now and suggested that everyone planning to submit an application to do it now rather than wait for the formal Notice of Funding Availability (TOFA). He also mentioned that the Hazard Mitigation Grant Program (HMGP) awards for the 2004 storms have not yet concluded and the 2005 storms are just now being addressed and asked that everyone let him know when you receive HMGP awards including which hurricane funded the project.

Frank then introduced Leslie Chapman-Henderson, president and CEO of FLASH, the Federal Alliance for Safe Homes. Leslie first showed a short film that explained FLASH and some of its programs and followed up with a talk on partnerships and how they help protect out communities. She noted that FLASH and the Miami-Dade Local Mitigation Strategy will each celebrate their tenth anniversary in June of next year.

Then, Steven Payment, an executive with IBM, informed the group about recent research IBM is doing with the Scripps Institute and Florida Atlantic University into avian flu. They are using an

IBM super computer – Blue Gene – to analyze variations of bird flu in order to rapidly develop a vaccine for any recent mutation of the virus.

Next, Mike Gambino from the Miami-Dade Department of Environmental Resources Management (DERM) reported that the repetitive loss progress report is now available by calling him at his office – (305) 372-6473. He also announced that he would like to reestablish the LMS flood mitigation committee and hopes to use the committee as an outreach strategy group and asked for volunteers from the LMS Working Group. Mike also stated that the second preliminary Flood Insurance Rate Maps (FIRM) have been issued to the municipalities and told everyone to make sure everything on the maps is OK. Mike also announced that ISO has agreed to conduct a workshop on creating good flood plain plans. Details on the workshop will be available in the near future.

Mike then introduced Sue Hopfensberger, a CRS coordinator from ISO, who explained the CRS (Community Rating System) to the Working Group. CRS is sponsored by FEMA and the National Flood Insurance Program (NFIP) rewards communities that take steps to bolster flood control by going above and beyond the minimum requirements of NFIP.

The LMS Working Group meeting adjourned at approximately 11:25 AM.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, December 19, 2007 in the ballroom of the Graham Center at the University Park (main) campus of Florida International University.

Minutes of the December 19, 2007 Meeting

Management & Research Center Pavilion, Florida International University

Municipalities in attendance:

Bay Harbor Islands	Miami	North Miami
Biscayne Park	Miami Beach	Palmetto Bay
Coral Gables	Miami Gardens	Pinecrest
Cutler Bay	Miami Lakes	South Miami
Doral	Miami Shores	Sweetwater
Hialeah	Miami Springs	Virginia Gardens
Key Biscayne	North Bay Village	West Miami

Miami-Dade County departments in attendance:

Animal Services	Seaport
Community Action Agency	Solid Waste Management
Elections	Strategic Business Management
Emergency Management	Team Metro
Fire Rescue	Transit Agency
Housing Agency	Water & Sewer

Planning & Zoning

Colleges & universities in attendance:

Barry University	Florida Atlantic University
Florida International University	Miami Dade College
St. Thomas University	University of Miami

Others in attendance:

Baptist Health South Florida	Beckman Coulter, Inc.
Catholic Charities	Citrus Health Network
Economic Opportunity Family Health Ctr	F.R.I.E.N.D, Inc.
Federal Emergency Management Agency	Florida Division of Emergency Management
Fort Hurricane Products	Hialeah Housing Authority
H.J. Ross & Associates	The Home Depot
Hurricane Protection Industries, Inc.	IBM
Jackson Health System	Miami Beach Housing Authority
Miami Children's Hospital	Miami Christian School
Mount Sinai Medical Center	National Weather Service
Phoenix Architectural Products	South Florida Regional Planning Council
South Florida Water Management District	URS Corporation
Wal-Mart Stores	WFOR-CBS-4
ValPaz Construction	

Special Guests: Hillsborough County LMS Representatives

We welcome for the first time: Fort Hurricane Products and ValPaz Construction

Prior to the start of the Working Group meeting, our friends and host from the International Hurricane Research Center (IHRC) at Florida International University served an excellent array of pastries, juice and coffee. We thank them.

The meeting was called to order at approximately 9:45 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Carolyn Robertson, Assistant Director of IHRC and host for this meeting, who welcomed the members of the LMS Working Group and gave everyone an overview of IHRC and especially the Wall of Wind project that is nearing completion.

Frank Reddish noted that applications for the Pre-Disaster Mitigation (PDM) grant program for the 2008 fiscal year must be at the state by this Friday, December 21st. He also mentioned that the Hazard Mitigation Grant Program (HMGP) grants for the 2005 hurricanes – Katrina and Wilma – are finally being awarded.

Frank then introduced Doug Bass, recently appointed director of the Miami-Dade Department of Emergency Management & Homeland Security (DEM&HS). Doug greeted the group and introduced members of the DEM&HS staff in attendance. He then introduced DEM&HS public information officer Jaime Hernandez who informed the Working Group of a plan that is coming together

to hold a Hurricane Preparation Expo at the Miami Beach Convention Center. The Expo is planned for Saturday and Sunday, May 17th and 18th of this year.

Then, CBS and WFOR-TV hurricane expert Bryan Norcross presented a program that he and Max Mayfield, the former director of the National Hurricane Center, are developing called *America's Emergency Network* that will be the nation's first comprehensive emergency alerting and communication system. The components of the system include AEN on the internet - a website available free to the public containing video feeds and bulletins issued by emergency management offices and other government agencies, and AEN-TV - a TV channel carrying the most important new conferences and other feeds from emergency management offices and government agencies. Some feeds will be carried live, while others will be prioritized and run on a schedule posted on the channel. The system will also include Alert FM – a comprehensive alerting system using part of local FM stations' signals that can send messages instantly to an entire community or to specific neighborhoods or individuals using proprietary technology. In addition, the alerts can be sent to specific mobile phones as text or voice messages and by email. The website is: <http://www.emergency.info/>

Next, Hugh Gladwin, Director of the Institute for Public Opinion Research at Florida International University, presented some research on what people thought about global warming, trust in local governments, and asked the question: raise taxes or reduce government services. Dr. Gladwin also studied these issues as seen by Black, Hispanic and non-Hispanic whites and found that there really is not that great a difference as to how each is perceived by the ethnic groups; they all seemed to share the same concerns.

Ricardo Alvarez, a professor at both Florida Atlantic University and Florida International University gave a presentation about his trip to Mexico's Yucatan Peninsula following Hurricane Dean, a Category 5 storm with sustained winds in excess of 165 mph at landfall with gusts to 200 mph. Ricardo visited the town of Majahual, right on the coast in Quintana Roo, and reported that much less serious damage had occurred than one would expect and he credits the high building standards there in the Yucatan as the main reason for this.

Rob Molleda, Warning Coordination Meteorologist at the National Weather Service presented an "End of the Hurricane Season" wrap up for the group and also addressed the pending drought that will be prolonged for lack of a hurricane.

The LMS Working Group meeting adjourned at approximately 12:05 P.M.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, March 19, 2008 at the South Miami City Hall, 6130 Sunset Drive, South Miami.

2008

Minutes of the March 19, 2008 Meeting

Held at the City of South Miami's City Hall

Municipalities in attendance:

Biscayne Park	Key Biscayne	Miami Shores
Coral Gables	Miami	North Bay Village
Doral	Miami Beach	North Miami
Florida City	Miami Gardens	Opa-locka
Homestead	Miami Lakes	South Miami
Golden Beach		

Miami-Dade County departments in attendance:

Animal Services	Public Works
Community Action Agency	Seaport
Emergency Management	Strategic Business Management
Environmental Resources Management	Team Metro
Housing Agency	Transit Agency
Planning & Zoning	Water & Sewer

Colleges & universities in attendance:

Barry University	Miami Dade College
Florida International University	University of Miami
St. Thomas University	University of Miami Medical School

Others in attendance:

Adjusters International	Baptist Health South Florida
C3TS	Catholic Charities
Citrus Health Network	Farm Share, Inc.
Federal Emergency Management Agency	Florida Division of Emergency Management
Fort Hurricane Products	Greenway Consulting
Hospice Care Southeast Florida	Hurricane Protection Industries, Inc.
Mercy Hospital	Miami Children's Hospital
Miami Christian School	Miami Dade County Health Department
Mount Sinai Medical Center	Phoenix Architectural Products
South Florida Regional Planning Council	South Florida Water Management District
URS Corporation	

Prior to the start of the Working Group meeting, our friends and host from the city of South Miami served an excellent array of pastries, fruit and coffee. We thank them.

The meeting was called to order at approximately 9:45 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Carol Aubrun from our host city, South Miami who welcomed the members of the LMS Working Group.

Frank Reddish noted that the Hazard Mitigation Grant Program (HMGP) grants for the 2005 hurricanes – Katrina and Wilma – are finally being awarded.

He then introduced Miami-Dade Department of Emergency Management & Homeland Security (DEM&HS) public information officer Jaime Hernandez who informed the Working Group of a plan that is coming together to hold a Hurricane Preparation Expo at the Miami Beach Convention Center. The Expo is planned for Saturday and Sunday, May 17th and 18th of this year. Any members of the LMS Working Group that wish to participate should contact Jaime directly. (Note: The dates of the expo were changed to May 31st and June 1st.)

Next, Lorenzo Sanchez of DEM&HS, community outreach coordinator gave an overview of the Miami-Dade Citizens Corps and its participating groups: The Community Emergency Response Teams (CERT), Citizens Crime Watch, Volunteers in Police Service (VIPS) and the Medical Reserve Corps. Mr. Claudio Micieli of the Medical Reserve Corps also spoke to the Working Group about his organization.

Following this, Jim Siciliano from Adjusters International gave an excellent presentation of the inner working of FEMA Public Assistance with special emphasis on insurance issues. This was so well received that Mr. Siciliano has agreed to return later and give a detailed presentation on the same subject.

Finally, Frank Reddish summarized the mitigation workshop that was held at this year's Florida Emergency Preparedness Association's (FEPA) conference in held last January in St. Pete Beach. This led to a very animated discussion by various members of the group. We will most likely bring this up again.

The LMS Working Group meeting adjourned at approximately 11:30 A.M.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, June 19, 2008 at the Miami-Dade Fire Rescue Headquarters Building, 9300 NW 41 Street in city of Doral. This meeting will celebrate the 10th anniversary of the Miami-Dade Local Mitigation Strategy Working Group.

Minutes of the June 18, 2008 Meeting

Held at the Miami-Dade Fire Rescue Headquarters Auditorium

Municipalities in attendance:

Aventura	Homestead	Palmetto Bay
Bay Harbor Islands	Key Biscayne	Pinecrest
Biscayne Park	Miami	South Miami
Coral Gables	Miami Beach	Surfside
Cutler Bay	Miami Gardens	Sunny Isles Beach
Doral	Miami Lakes	Sweetwater
Florida City	Miami Shores	Virginia Gardens
Golden Beach	North Miami	West Miami
Hialeah	Palmetto Bay	

Miami-Dade County departments in attendance:

Animal Services	Police
Aviation	Public Works
Building	Solid Waste
Emergency Management	Strategic Business Management
Environmental Resources Management	Team Metro
Fire Rescue	Transit Agency
General Services Administration	Vizcaya Museum & Gardens
Housing Agency	Water & Sewer
Planning & Zoning	

Colleges & universities in attendance:

Barry University	St. Thomas University
Florida International University	University of Florida
Johnson & Wales University	University of Miami
Miami Dade College	University of Miami Medical School

Others in attendance:

American Elder Care	American Red Cross
Baptist Health South Florida	Becker & Poliakoff
Beck Disaster Recovery	Broward County Emergency Management
Citrus Health Network	Community Partnership for Homeless, Inc.
Farm Share, Inc.	Federal Emergency Management Agency
Florida Div. of Emergency Management	Florida Power & Light
Hurricane Protection Industries, Inc.	Hurricane Warning
Jackson Memorial Foundation	Mercy Hospital
Miami Beach Housing Authority	Miami Children's Hospital
Miami Christian School	Miami Dade County Health Department

Miami-Dade County Public Schools	Mount Sinai Medical Center
Phoenix Architectural Products	Security Forces Group
Solid Resources, Inc.	South Florida Regional Planning Council
South Florida Water Management District	T-Mobile
United Home Care Services	URS Corporation
Vent Covers, Inc.	

Special Guests: Chuck Lanza, Director, Broward County Emergency Management

We welcome for the first time: Becker & Poliakoff, Beck Disaster Recovery and Vent Covers, Inc.

Prior to the start of the Working Group meeting, our friends from Phoenix Architectural Products served an excellent array of pastries, fruit and coffee. We thank them.

The meeting was opened at approximately 9:45 A.M. by Jonathan Lord, assistant director of the Miami-Dade Department of Emergency Management & Homeland Security who read a proclamation from the mayor and county commission of Miami-Dade County making Thursday, June 19, 2008 Local Mitigation Strategy Day in Miami-Dade County.

At this time Chuck Lanza, director of Broward County Emergency Management took the podium. Chuck was the director of the Miami-Dade Office of Emergency Management when the Local Mitigation Strategy was first developed in the Spring of 1998. Chuck traced the history of the Local Mitigation Strategy and the Working Group, which is celebrating its 10th anniversary at this meeting.

LMS Coordinator, Frank Reddish took the podium and covered some Working Group business. He noted that Miami Children's Hospital was the recipient of one of the Pre-Disaster Mitigation program awards for 2007. Frank then asked everyone to please verify which HMGP projects from Hurricanes Katrina and Wilma had actually been awarded. He also asked the members to send him photograph of completed projects that have been funded through the LMS program.

Marcia Steelman from Miami-Dade Department of Environmental Resources Management brought the Working Group up-to-date on the new FEMA National Flood Insurance Program (NFIP) FIRM (Flood Insurance Rate Map) maps which are to be released in the near future.

Mike Gambino, now with the city of Miami Gardens, discussed the role of the LMS Working Group in flood mitigation. He also discussed the NFIP and its Community Rating System (CRS).

Ricardo Alvarez gave a presentation on "Hurricane Warning" a spin-off of the hurricane house in Deerfield Beach, Florida and how the programs there have been refined and improved. This house was originally build by State Farm and then donated to the city of Deerfield Beach.

Frank Reddish gave a presentation that included a PowerPoint presentation with photos and information covering all the projects that have been completed during the past ten years of the Local Mitigation Strategy program in Miami-Dade County. During the past ten years the LMS Working

Group membership has been awarded over \$250,000,000 dollars for over 330 separate projects. Well done!

The LMS Working Group meeting adjourned at approximately 11:30 A.M.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, Wednesday, September 17, 2008 at the John D. Campbell Agricultural Center, 18710 SW 288 Street, Miami, FL 33030.

Minutes of the September 17, 2008 Meeting

Held at the John D. Campbell Agricultural Center in Homestead, Florida

Municipalities in attendance:

Bay Harbor Islands	Homestead	North Miami
Biscayne Park	Golden Beach	Palmetto Bay
Coral Gables	Miami	Pinecrest
Cutler Bay	Miami Beach	Surfside
Doral	Miami Gardens	Sweetwater
Florida City	Miami Lakes	Virginia Gardens
Hialeah	Miami Shores	

Miami-Dade County departments in attendance:

Agriculture	Public Works
Aviation	Seaport
Cooperative Extension	Solid Waste
Corrections	Strategic Business Management
Emergency Management	Team Metro
Fire Rescue	Transit Agency
Housing Agency	Vizcaya
Planning & Zoning	Water & Sewer

Colleges & universities in attendance:

Barry University	Miami Dade College
Florida International University	University of Miami
University of Florida	Talmudic University

Others in attendance:

Baptist Health South Florida	Catholic Charities
Citrus Health Network	FPL
IBM	Jackson Memorial Foundation
Miami Bridge	Miami Dade County Public Schools

Mount Sinai Medical Center
Solid Resources, Inc.
Stormforce Wind Anchoring
U. S. Weather Service

Phoenix Architectural Products
South Florida Water Management District
U. S. Department of Agriculture

Welcoming for the first time: Miami-Dade Corrections & Rehabilitation, Stormforce Wind Anchoring and the Talmudic University

Prior to the start of the Working Group meeting, our friends from Solid Resources, Inc. served an excellent array of pastries and coffee. We thank them.

The meeting was called to order at approximately 9:45 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Edmund Saldaña from Solid Resources who explained what Solid Resources does in the realm of Public Assistance.

He then introduced Don Pybas, director of the Miami-Dade Cooperative Extension Service and our host for this meeting and Charles LaPradd, the county's agriculture manager. Mr. Pybas and Mr. LaPradd gave everyone an overview of the Miami-Dade County agricultural industry

Next on the agenda was a presentation by Rob Molleda, Warning Coordination Meteorologist from the Miami Forecast Office of the National Weather Service. Rob did a review of this year's hurricane season with a prediction of what is to come during the remaining hurricane season.

Mike Gambino, floodplain manager from the city of Miami Gardens gave a presentation on the National Flood Insurance Program and the upcoming release of the new Flood Insurance Rate Maps (FIRM), which will be available within a year.

Next on the program was a presentation by Tom Palmieri of Platypus Anchoring Systems demonstrating new techniques in tree anchoring as a protection against hurricane.

Finally, Frank Reddish gave a review of the status of the varying grant programs with a reminder that any applicant for a Pre-Disaster Mitigation (PDM) Program grant that wishes a technical review of their project must have the project to the stat by this Friday, September 19, 2008. If there is any HMGP funding coming from Tropical Storm Fay, that announcement will follow as soon as the information is available.

The LMS Working Group meeting adjourned at approximately 11:30 A.M.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 A.M., December 17, 2008 at the Museum of Contemporary Art (MOCA) in the city of North Miami.

Minutes of the December 17, 2008 Meeting

Held at the Museum of Contemporary Art in the City of North Miami

Municipalities in attendance:

Biscayne Park	Miami Beach	Palmetto Bay
Cutler Bay	Miami Gardens	Pinecrest
Doral	Miami Lakes	South Miami
Florida City	Miami Shores	Surfside
Hialeah	Miami Springs	Sweetwater
Homestead	North Miami	Virginia Gardens
Key Biscayne	North Miami Beach	West Miami
Miami		

Miami-Dade County departments in attendance:

Emergency Management	Public Works
Environmental Resources Management	Seaport
General Services Administration	Solid Waste
Housing Agency	Strategic Business Management
Library System	Transit Agency
Park & Recreation	Vizcaya
Planning & Zoning	Water & Sewer

Colleges & universities in attendance:

Barry University	Miami Dade College
Florida International University	St. Thomas University
University of Florida	University of Miami
Talmudic University	

Others in attendance:

America's Emergency Network	American Red Cross
Baptist Health South Florida	Broward County Emergency Management
Camillus House	Catholic Charities
Citrus Health Network	Dutko Worldwide
Econ. Opportunity Family Health Center	Federal Emergency Management Agency
FPL	Hands On Miami
Hurricane Protection Industries	IBM
Jackson Memorial Foundation	Miami Beach Community Health Center
Miami Christian School	Miami Dade County Public Schools
Mount Sinai Medical Center	Phoenix Architectural Products
South Florida Water Management District	U. S. Department of Agriculture

We wish to extend a special welcome to Gary Friedman, the LMS coordinator from Broward County.

Prior to the start of the Working Group meeting, our friends from the city of North Miami served an excellent array of pastries, fruit and coffee. We thank them.

The meeting was called to order at approximately 9:45 A.M. by LMS Coordinator, Frank Reddish. Frank introduced Kevin Burns, mayor of North Miami who welcomed everyone to the meeting and to the Museum of Contemporary Arts. Interestingly enough, this week the museum has a special showing as part of the Art Basel festival going on throughout Miami-Dade County.

Frank then introduced Professor Ricardo Alvarez of the School of Construction Management at Florida International University who gave a presentation entitled "Climate Change and Hurricanes," which addressed the issue of whether or not climate change or global warming caused hurricanes to become more severe.

Hugh Gladwin, director of the Institute for Public Opinion Research at Florida International University gave a presentation on how certain modeling of the decision making process, especially how people react when contemplating evacuations.

The LMS Working Group meeting adjourned at approximately 10:30 A.M. followed by a guided tour of the Museum of Contemporary Art, which contained a special exhibit of installation art that is part of the Art Basel show going on in the Greater Miami area.

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, March 18, 2009 at the Miami-Dade Emergency Operations Center located in the Miami-Dade Fire Rescue Headquarters Building, 9300 NW 41 Street in city of Doral.

2009

Minutes of the June 17, 2009 Meeting

Held at the Andreas Building at Barry University

Municipalities in attendance:

Bay Harbor Islands	Hialeah	Miami Springs
Biscayne Park	Hialeah Gardens	North Miami
Coral Gables	Homestead	Pinecrest
Cutler Bay	Miami	Palmetto Bay
Doral	Miami Beach	Sunny Isles Beach
Florida City	Miami Gardens	Virginia Gardens
Golden Beach	Miami Shores	

Miami-Dade County departments in attendance:

Emergency Management	Library System
Environmental Resources Management	Planning & Zoning
Fire Rescue	Solid Waste Management
Housing Agency	Vizcaya Museum
Human Services	Water & Sewer

Colleges & universities in attendance:

Barry University	Talmudic University
Miami Dade College	University of Miami
St. Thomas University	

Others in attendance:

Adjusters International	Baptist Health South Florida
Citrus Health Network	Community Partnership for Homeless
Federal Emergency Management Agency	Florida Department of Financial Services
Florida Power & Light	The Home Depot
Hurricane Protection Industries	Miami Children's Hospital
Miami-Dade County Health Department	Miami Dade County Public Schools
Mount Sinai Medical Center	National Weather Service
South Florida Water Management District	U. S. Air Force Auxiliary
URS Corporation	Verizon Wireless

Special guest: Broward County LMS Coordinator Gary Friedman

Prior to the start of the Working Group meeting, our host from Barry University served an excellent array of pastries, juice and coffee. We thank them.

The meeting was called to order at approximately 9:45 A.M. by LMS Coordinator, Frank Reddish. Frank then introduced Bruce Edwards, Barry University's vice president for business and finance who welcomed the Working Group to Barry.

Mike Gambino, from the city of Miami Gardens, gave the Working Group an update on the new FIRM and said that new paper FIRM's are available. The GIS files may be downloaded from this site: ftp://ftp.miamidade.gov/DERM/FEMA-DFIRM/FINAL_DFIRM_2009/. He also noted that a CRS group has been formed and is being facilitated by Marlen Martell of the city of North Miami Beach.

Next, Rob Molleda, warning coordination meteorologist from the Miami Forecast Office of the National Weather Service gave a presentation on the upcoming hurricane season and what it means for Miami-Dade County. Rob's talk generated many, many questions.

Rob was followed by Peter Potemkin from Adjusters International, who gave a presentation on the insurance ramifications when dealing with the Federal Emergency Management Agency and the requirements of the Stafford Act and 44 CFR. Peter's talk also generated many questions

Then, Alina Torres, consumer outreach coordinator with the Florida Department of Financial Services discussed individual insurance policies and what new changes in the insurance regulations mean to the home owner. She pointed out that having adequate insurance is one of the best mitigation measures there is.

The LMS Working Group meeting adjourned at approximately 11:40 A.M

The next meeting of the Local Mitigation Strategy Working Group will be 9:30 AM, September 16, 2009 in the Village of Pinecrest.

Minutes of the September 16, 2009 Meeting

Held at the Evelyn Greer Park Community Room in Pincerest, Florida

Municipalities in attendance:

Bal Harbor	Miami Beach
Coral Gables	Miami Gardens
Cutler Bay	Miami Lakes
Doral	Miami Shores
Florida City	North Miami
Golden Beach	North Miami Beach
Hialeah	Palmetto Bay
Homestead	Pinecrest

Key Biscayne
Miami

South Miami
Sweetwater

Miami-Dade County departments in attendance:

Corrections
Emergency Management
Fire Rescue
Human Services
Library
Office Grant Coordination

Police
Public Housing Agency
Public Works
Solid Waste Management
Water and Sewer

Colleges & universities in attendance:

Barry University
Florida International University
St. Thomas University

University of Miami
Miami Dade College

Others in attendance:

AEN Network
Baptist Health
Beck Disaster Recovery
Better World Inc.
Camillus House, Inc.
Code Red

Jackson Health Systems
Miami Children's Hospital
Miami Christian School
Mount Sinai Medical Center
Ocean Shutters Manufacturing Inc
South Florida Regional Conservation and Development Council, Inc
South Florida Water Management District
URS Corporation

Dutko
HPI Inc

Special guest: Broward County LMS Coordinator Gary Friedman

Prior to the start of the Working Group meeting, our host from the Village of Pinecrest served an excellent array of pastries, juice and coffee. We thank them.

The meeting was called to order at approximately 9:35 A.M. by Ray Misomali. Ray then shared with the Working Group the news of Frank Reddish's (Local Mitigation Coordinator from 1998-2009) passing. The remainder of the meeting was dedicated to remembering and celebrating Frank and the work he had done in establishing and maintaining the Miami-Dade County LMS for over 10 years. Various speakers were invited to talk about Frank. These included the Miami-Dade County Department of Emergency Management Director, Curtis Sommerhoff; Broward County Emergency Management Director, Charles Lanza; Miami-Dade Fire Rescue Department Division Chief, Bob Palestrant; and Vice Chairman of the Local Mitigation Strategy, Mike Gambino. In addition, the floor was opened to those in the audience to share their thoughts and memories of Frank Reddish.

Minutes of the December 16, 2009 Meeting

Held at the Miami-Dade County Fire Department Headquarters, Doral, Florida

Municipalities in attendance:

Coral Gables	Miami Lakes
Cutler Bay	Miami Shores
Doral	North Miami
El Portal	North Miami Beach
Golden Beach	Pinecrest
Hialeah	South Miami
Homestead	Sunny Isles Beach
Medley	Surfside
Miami	Sweetwater
Miami Beach	Virginia Gardens
Miami Gardens	West Miami

Miami-Dade County departments in attendance:

Animal Services	Park and Recreation
Aviation	Planning and Zoning
Consumer Services	Police Department
Emergency Management	Public Housing Authority
Environmental Resources Management	Public Works
Fire Rescue	Solid Waste Management
Human Services	Water and Sewer
Office of Grants Coordination	

Colleges & universities in attendance:

Barry University	Talmudic University
Florida International University	University of Miami
St. Thomas University	Miami Dade College

Others in attendance:

Better World Inc.	O'Brien's Response Management
Camillus House, Inc.	Ocean Shutters Manufacturing Inc
Citrus Health Network	Phoenix Architectural Products Inc.
HPI Inc	South Florida Water Management District
Jackson Health Systems	URS Corporation
Miami Children's Hospital	Verizon
Mount Sinai Medical Center	Westorp Association

Prior to the start of the Working Group meeting, our sponsor, O'Brien's Response Management served an excellent array of pastries, juice and coffee. We thank them.

The meeting was called to order at approximately 9:40 A.M. by LMS Co-coordinator, Ray Misomali. Ray briefly discussed the agenda for the meeting, outlining the speakers and topics of discussion. Prior to the first presenter, Ray talked about the future of the LMS as this was the first meeting following Frank's passing.

A team of presenters from O'Brien's Response Management followed the introductory remarks with a discussion about their products, services, and experience with emergency management and disaster response. The purpose of the presentation was to learn from the experience gained by O'Brien's Response Management's through their various operations throughout the country. The experience gained by O'Brien's Response Management benefits the Working Group as it provides ideas for how they might potentially be able to address issues of a similar nature as to those discussed by the presenter.

Next, Mike Gambino, Floodplain Manager for the City of Miami Gardens shared his rebuttal to a newspaper article printed in the Miami Herald on December 1, 2009. The article was entitled, "Dade's New Flood-risk Maps are a Mixed Blessing for Homeowners." This discussion generated several questions and discussion among the Working Group.

Following Mike, Dr. Hugh Gladwin of the Florida International University discussed the history of the LMS. Since this was the first meeting following Frank's passing, it was important to go back to the beginning and discuss the origins of the LMS, policies of the program and how all of this impact where the program is going.

Finally, Paul Vitro, LMS Co-coordinator, closed the meeting by announcing some of the initiatives that the county is undertaking to remember Frank Reddish. For example, the county plans to pass a sympathy resolution as an act of condolence to Frank's family. In addition, Paul requested the audience to provide suggestions and ideas as to how the Working Group can best remember Frank Reddish and his impact in the county.

The LMS Working Group meeting adjourned at approximately 11:30 A.M

2010

Minutes of the March 17, 2010 Meeting

Held at the Royal Oaks Park Community Center in Miami Lakes, Florida

Municipalities in attendance:

Bay Harbor Islands	Miami Gardens
Coral Gables	Miami Lakes
Cutler Bay	Miami Shores
Doral	North Miami
El Portal	North Miami Beach
Florida City	Palmetto Bay
Hialeah	South Miami
Homestead	Sunny Isles Beach
Miami	Virginia Gardens
Miami Beach	West Miami

Miami-Dade County departments in attendance:

Animal Services	Office of Grants Coordination
Consumer Services	Police Department
Emergency Management	Public Housing Authority
Fire Rescue	Public Works
Government Services Administration	Solid Waste Management
Human Services	Transit
Library	Water and Sewer

Colleges & universities in attendance:

Barry University	University of Miami
Florida International University	Miami Dade College
Talmudic University	

Others in attendance:

Baptist Health	Miami Children's Hospital
Better World Inc.	Miami Christian School
Camillus House, Inc.	Mount Sinai Medical Center
Citrus Health Network	SFM Services
HPI Inc	URS Corporation
IBM	

Prior to the start of the meeting, our sponsor, SFM Services, Inc., served an excellent array of pastries, juice, and coffee. We thank them for their generosity.

The meeting was called into order at approximately 9:45 by Ray Misomali. Ray announced the agenda for the meeting and welcomed Mayor Michael Pizzi to say a few words of introduction. Following the mayor, Christian Infante of SFM Services, Inc. provided a short description of his company and services they provide to municipalities. Christian highlighted some of the services such as tree trimming, debris removal, and landscaping. Companies such as SFM Services, Inc. are invited to present at LMS meetings to inject a different perspective from a private sector entity that is involved in emergency management operations; specifically, mitigation.

The first item on the agenda was a presentation by Greg Mclellan and Chief Dave Downey of the Florida Task Force 1 Urban Search and Rescue team who discussed their experiences when they were deployed to Haiti for search and rescue operations following the earthquake in January. Greg Mclellan is an engineer whose main responsibility was to ensure safe practices at locations where buildings had collapsed or were compromised. Chief Downey was a team member leading search and rescue operations in Haiti. Their experiences brought home the importance conducting thorough hazard analyses, vulnerability assessments, and promoting mitigation to address any deficiencies that exist in the infrastructure.

Next on the agenda was a discussion on mitigating the impacts of cold weather presented by Don Pybas of the Miami-Dade County Extension Office and Harry Miller of USDA Farm Services Agency. Their presentation highlighted the economic value of the agriculture industry in Miami-Dade County. For example, agriculture is a \$2.7 billion industry with the county and 95% of all agriculture products grown in the county are exported to other areas of the state, nationally, and internationally. Therefore, mitigating against any impacts to this industry is vital due to its economic value for the county. The recent cold weather that experienced by the county in January had a severe impact on the county to the tune of close to \$300 million in losses. Also, 5,000 seasonal jobs were lost as a result of this event. Both Don and Harry shared how the county can mitigate against the impact of cold weather on the agriculture industry. In addition, Harry Miller discussed various recovery programs set up by the federal government to assist farmers that have experienced losses as a result of a disaster.

Finally, Ray Misomali closed the meeting by sharing some updates regarding the LMS program.

The meeting was adjourned at approximately 11:45 A.M.

Minutes of the June 16, 2010 Meeting

Held at Miami Children's Hospital, Miami, Florida

Municipalities in attendance:

Coral Gables	Miami Shores
Cutler Bay	Miami Springs
Doral	North Miami
El Portal	North Miami Beach
Golden Beach	Palmetto Bay
Hialeah	Pinecrest
Homestead	South Miami
Medley	Sunny Isles Beach
Miami	Surfside
Miami Beach	Sweetwater
Miami Gardens	Virginia Gardens
Miami Lakes	West Miami

Miami-Dade County departments in attendance:

Aviation	Library
Consumer Services	Office of Grants Coordination
Emergency Management	Public Housing Authority
Environmental Resources Management	Public Works
Fire Rescue	Solid Waste Management
Human Services	Water and Sewer

Colleges & universities in attendance:

St. Thomas University
University of Miami
Miami Dade College

Others in attendance:

Better World Inc.	Miami Children's Hospital
Camillus House, Inc.	Mount Sinai Medical Center
Citrus Health Network	URS Corporation
HPI Inc	Westorp Association
IBM	

Prior to the start of the meeting, our sponsor and host, Miami Children's Hospital, served an excellent array of pastries, juice, and coffee. We thank them for their hospitality.

The meeting was called into order at approximately 9:35 by the LMS Coordinator, Ray Misomali. Ray provided the agenda and outline for the meeting. Ray especially highlighted a new series, successful mitigation projects, which will be a regular part of upcoming LMS Working Group meetings. This will be an ongoing series to draw attention to successfully completed LMS projects. The purpose is to share experiences, lessons-learned, successes, etc., as a means to encourage members to apply for mitigation grants. To that end, Bob Nowlan of Miami Children's Hospital kicked off this series by discussing their experience with various projects that they have applied for and have been awarded funds from FEMA. Bob particularly pointed out the importance of planning for mitigation as opposed to reacting to notices for funding availability. He stressed the necessity of prioritizing mitigation projects regardless of the availability of funding from FEMA.

Next on the agenda was Henry Mayer of the Miami-Dade County Extension Office to discuss tree trimming. Henry pointed out that pruning is important for tree quality. Poor pruning leads to trees that are highly susceptible to the impact of various weather and climatic events. Therefore, it is important to start pruning when trees are young. While pruning is necessary for proper maintenance of trees in Miami-Dade County, it is also expensive to undertake. For example, Miami –Dade County has planted 70,000 trees in the past 10 years but limited funding has led to poor maintenance over the years. The Agriculture Extension Office offers classes on tree pruning. Interested parties may contact Henry at the Extension Office to arrange for classes.

Following Henry's presentation was Rob Molleda, Warning Coordination Meteorologist, who provided the hurricane outlook for 2010. The National Weather Service has predicted that there is a high probability of above normal hurricane activity for 2010. This is based on the following factors: reduced wind shear (reduced El Nino, likely replaced by La Nina), lower surface pressure, warmer Atlantic temperatures, and higher pressure in upper atmosphere. Rob reiterated that the forecast is good for basin-wide trends, not necessarily for specific locations. Also, Rob mentioned that the lead time for announcing watches and warnings has been increased by 12 hours. Therefore, watches will now be announced 48 hours prior to the estimated time of arrival of tropical storm force winds and warnings, at 36 hours prior to the arrival of tropical storm winds. In addition, Rob reminded the audience that storm surge has now been removed from the Saffir-Simpson scale.

Finally, Ray Misomali, closed the meeting with several reminders regarding the Local Mitigation Strategy. Ray reminded the audience that attendance at LMS events is mandatory if entities wish for their projects to be endorsed for grant applications. Therefore, Ray reminded the audience to encourage their colleagues to attend LMS meetings. Ray also reminded the Working Group that the PDM grant has been announced by FEMA; however, the State of Florida has not yet set their deadlines for submitting a notice of intent and a project application. As such, Ray would notify the LMS Working Group accordingly when the State of Florida has announced their deadlines for the PDM application. Ray also reiterated to the group to submit their list of projects for inclusion in the LMS document as well as those that should be deleted due to being completed.

The LMS Working Group meeting adjourned at approximately 11:30 A.M

Minutes of the September 15, 2010, Meeting

Held at the Miami-Dade County Agriculture Extension, Homestead, Florida

Municipalities in attendance:

Coral Gables	Miami Shores
Cutler Bay	North Gardens
Doral	North Miami
Florida City	North Miami Beach
Homestead	Pinecrest
Key Biscayne	Sweetwater
Miami	West Miami
Miami Beach	

Miami-Dade County departments in attendance:

Emergency Management	Public Housing Authority
Solid Waste Management	Water and Sewer
Fire Rescue	Grants Coordination
Agriculture Extension	

Colleges & universities in attendance:

Miami Dade College
University of Miami

Others in attendance:

Baptist Health	Mount Sinai Medical Center
American Red Cross	Phoenix Architectural Products, Inc.
C3TS	URS Corporation
Camilus House	Florida Division of Emergency Management
Citrus Health	Int. Hurricane Research Ctr.
HPI	Miami Beach Community Health Ctr.
Jackson Health Systems	Obrien's Response Management
Marine Advisory Group	Florida Division of Emergency Management
Miami Children's Hospital	

Prior to the start of the meeting our sponsor, Phoenix Architectural Products, Inc., served an excellent array of pastries, juice and coffee. We thank them for their generosity.

The meeting was called into order by the LMS Coordinator, Ray Misomali, at approximately 9:35. Ray briefly outlined the agenda for the meeting and then invited Ms. Teresa Olczyk, our host, to provide a few opening remarks. Teresa Olczyk of the Miami-Dade Agriculture Extension/University of Florida's Institute of Food and Agriculture Sciences (IFAS) welcomed our guests and also shared some information on the Agriculture Extension/IFAS. Ms. Olczyk discussed how the Agriculture Extension/IFAS is a partnership between Miami-Dade County and the University of Florida. The Agriculture Extension/IFAS provides research based education for agriculture and marine interests. They also conduct damage assessments following disasters which might emanate from any hazards that impact the county such as cold weather, flooding, or hurricanes.

Following Ms. Olczyk, Claudia Barber of Phoenix Architectural Products, Inc. spoke to the audience about her company pointing out their lessons-learned in mitigation and products and services her company provides.

Prior to the next speaker, Ray shared several reminders regarding membership and participation in the LMS Working Group. Ray reminded the group that it is important to participate within the LMS as it is the only way the LMS Chairperson or Coordinator will endorse any mitigation projects seeking FEMA funding. Also, Ray reminded the audience how participation within the LMS enables the sharing of ideas, lessons-learned, and could also be a great avenue through which one can grow his or her network. In addition to these reminders, Ray requested pictures of mitigation construction projects from those whose projects were either completed or nearing completion.

This meeting also covered the topic of climate change. Nicole Hefty of the Miami-Dade County Department of Environmental Resources Management spoke on the county's efforts to address the growing concerns about climate change and sea level rise. Why should we care as some would wonder? Miami-Dade County is a coastal community that is surrounded by water. The county is prone to flooding. Also, an economic driver for the county such as tourism is sensitive to changes that occur due to climate variations. Ms. Hefty also pointed out that this topic is not just about global warming, but encompasses a wider scope of hazards that we should be concerned with. This includes extreme heat, extreme cooling, tropical storms, saltwater intrusion, beach erosion, and unusual high tides. Miami-Dade County is addressing climate change through planning efforts such as "Green Print", a comprehensive green plan for the entire county. Ms. Hefty encouraged the LMS Working Group to consider climate change impacts during mitigation planning and project implementation.

Mr. Mike Gambino of the City of Miami Gardens followed Ms. Hefty to discuss efforts to integrate floodplain management concepts with mitigation. Doing so would add value to municipalities that participate in the National Flood Insurance Program as this has a potential to provide credits through the Community Rating System.

Mr. Jason McCright of the Florida Division of Emergency Management was the highlight of our meeting as he discussed all things mitigation from the perspective of the state of Florida. One of the items discussed by Mr. McCright was the Florida Administrative Code 9G-22 where he pointed

out how this section of the code empowers local governments with the independence to manage projects including the process of prioritization when submitting them for grant funding. Mr. McCright also discussed the federal grant programs that fund many of Florida's mitigation efforts. These are the Pre-Disaster Mitigation (PDM) program, the Flood Mitigation Assistance (FMA) program, the Repetitive Flood Claims (RFC) program, and the hazard mitigation grant program. Mr. McCright also talked about the global match concept and ways in which it can be utilized within the HMGP to maximize on a community's mitigation applications.

The meeting concluded with Ray providing reminders concerning upcoming activities in the LMS program. This included an announcement that those intending to submitting applications to Pre-Disaster Mitigation grant funds should do so by October 8, 2010. Also, Ray spoke about some initiatives which the LMS would be pursuing such as updating the county's mitigation website to make it a better tool for sharing information with the public. Furthermore, the Miami-Dade Department of Emergency Management is seeking for ways to honor the memory of Frank Reddish, the previous LMS coordinator, and is accepting any suggestions toward this effort.

The LMS Working Group meeting adjourned at approximately 11:30 A.M.

Minutes of the December 15, 2010, Meeting

Held at Mount Sinai Medical Center, Miami Beach, Florida

Municipalities in attendance:

Coral Gables	Miami Beach
Cutler Bay	Miami Gardens
Hialeah	North Miami
Key Biscayne	Palmetto Bay
Medley	Sunny Isles Beach
Miami	Sweetwater

Miami-Dade County departments in attendance:

Library	Police Department
General Services Administration	Public Housing Authority
Emergency Management	Public Works
Solid Waste Management	Seaport
Fire Rescue	Water and Sewer

Colleges & universities in attendance:

St. Thomas University
University of Miami
Florida International University

Others in attendance:

Better World Inc.	Camillus
FEMA	Citrus Health
Palm Beach County EM	Mount Sinai Medical Center
HPI Inc	Health Choice Network
Baptist Health	Int. Hurricane Research Ctr.
Miami Children's Hospital	Miami Beach Community Health Ctr.
Mount Sinai Medical Center	Obrien's Response Management
URS Corporation	Florida Division of Emergency Management
Guest	

Prior to the start of the meeting our sponsor and host, Mount Sinai Medical Center, served an excellent array of pastries, juice and coffee. We thank them for their hospitality and generosity.

The meeting was called into order by the LMS Coordinator, Ray Misomali, at approximately 9:35. Ray commenced the meeting by providing several updates and reminders regarding the LMS program. One such update was on the Pre-Disaster Mitigation program in which he informed the Working Group that close to 50% of the total applications that were submitted to the Florida Division of Emergency Management came from Miami-Dade County. This is a great feat by the county and is something to be commended. Ray also reminded the audience of the December 31, 2010, deadline for submitting projects for inclusion into the Local Mitigation Strategy document. Other general housekeeping issues that were covered by Ray included the schedule and topics for upcoming LMS meetings in 2011.

The plan to remember Frank Reddish's contribution to mitigation in Miami-Dade County was also shared with the Working Group. The LMS Working Group will remember Frank by dedicating a wall within the Miami-Dade County EOC in his name. The dedication will involve purchasing a plaque and video displays which will be used to catalogue the successes of the program since its inception. The LMS is accepting donation of funds toward this effort.

Mr. Erik Salna of the International Research Hurricane Center, a research unit of the Florida International University, spoke following Ray to discuss the recently completed Wall of Wind High School Contest. This competition is meant to challenge high school students to develop ways to mitigate the impact of hurricane wind on buildings. The contestants are evaluated by a panel of judges who look at the design on the basis of the following categories: aesthetics, marketability, practicality, and is it realistic.

Mr. Mike Gambino followed Mr. Salna's presentation with a discussion on how the LMS document can also be used as the county's floodplain management plan. Mr. Gambino spoke about the Community Rating System, a voluntary program audited by the ISO that recognizes communities for the activities they have completed toward reducing flooding and flood awareness in the county. Miami-Dade County currently saves an approximate total of \$28 million on flood insurance due to its efforts in the CRS program. The integration of floodplain management and the LMS will increase the number of CRS credits that are received by the county.

Mount Sinai Medical Center (Mount Sinai or MSMC), the meeting's host followed Mr. Gambino to discuss their experience with mitigation through the LMS program. Mr. Steve Fine spoke on behalf of MSMC to provide historical information on the hospital and their experience with hurricane impacts in the past. Mr. Fine was followed by his colleagues who discussed specific mitigation projects and the lessons that were learned by MSMC. This discussion provided a valuable lesson to the audience on how to tackle various issues that are encountered when implementing a mitigation project. The presentation by Mount Sinai was followed by a tour of their campus.

The meeting was adjourned at 11:30 A.M.

2011

Minutes of the March 16, 2011, Meeting

Held at the Miami-Dade Fire Rescue Department Headquarters, Doral, Florida

Municipalities in attendance:

Coral Gables	Miami Lakes
El Portal	Miami Shores
Florida City	North Miami
Medley	North Miami Beach
Miami	Palmetto Bay
Miami Gardens	Sunny Isles

Miami-Dade County departments in attendance:

Animal Services	Public Works
Corrections	Office of Grant Coordination
Emergency Management	Transit
Environmental Resources Management	Police
General Services Administration	Public Housing Agency
Public Library System	Fire Rescue
Solid Waste Management	Water and Sewer

Colleges & universities in attendance:

Florida International University

Others in attendance:

Broward	Mount Sinai Medical Center
Camillus	O'Brien's Response Management
Citrus Health	National Oceanic and Atmospheric Administration
Florida Division of Emergency Management	South Florida Water Management District
Federal Emergency Management Agency	St. Lawrence
Health Choice Network	URS Corporation
Miami Children's Hospital	

This meeting was hosted at the Miami-Dade County Fire Rescue Department Headquarters in Dor-al, Florida. The meeting started at approximately 9:30 a.m. with announcements by Ray Misomali, the Local Mitigation Strategy Coordinator for Miami-Dade County. Ray announced that the State of Florida is compiling the results from the FY2011 Pre-Disaster Mitigation application cycle. In addition, Ray announced potential changes to the start date for applying for FY2012 Pre-Disaster Mitigation grant funding. The State is looking to start the application process early in order to allow for more time to review, upgrade, and/or update applications prior to the state's submission to FEMA.

Ray was followed by Mr. Rob Molleda, Warning Coordination Meteorologist with the National Weather Service, who provided a historical account of weather hazards in Miami-Dade County. Some highlights from this presentation are as follows: hurricanes pose the greatest threat to Miami-Dade County and when compared nationally, this region (southeast Florida) is the most affected by hurricanes; rip currents on average kill 7 people a year while lightning kills approximately 2 people a year. With regard to lightning, Florida is the lightning capital of the United States with most lightning strikes occurring in July. The presentation provided during this segment of the meeting is available upon request to whoever wishes to read additional information about weather hazards that threaten Miami-Dade County.

Mr. Hector Maestri of FPL presented various ways their customers can reduce their energy consumption. Customers may reduce their energy consumption by changing their air conditioner filters on a monthly basis. FPL recommends that homes be cooled to 78 degrees in the summer and 68 degrees in the winter. In addition, ceiling fans are beneficial for cooling homes. Other topics covered by Mr. Maestri included advice on water heaters, pool pumps, and dishwasher use. Mr. Maestri concluded his talk by providing 10 tips on how to reduce one's electricity costs.

The South Florida Water Management District (SFWMD or the District) followed the presentation by FPL to discuss the C-4 basin initiative. The South Florida Water Management District caters to a population of 7 million people within the southern half of the state of Florida, from Disney World to Biscayne Bay. Their main role is to manage water resources. This includes flood management, water supply, water quality, and protection. The District's water management system components include canals and levees, drainage basins, both remotely operated and manually operated structures, and pump stations. The focus of the presentation was the C-4 Basin or the Tamiami Canal basin initiative, which was developed as a result of severe flooding that occurred in Miami-Dade County in 1999 (Hurricane Irene) and in October of 2000 (No-Name Storm). The major components of the initiative are large pumps installed downstream of the flooded area to move outflow against an incoming tide; an emergency detention basin upstream of the flooded area to divert outflow before it enters the area; dredging and shaping of the canal between the basin and the pump to improve overall flow and pumps on the adjacent Miami River to keep the C-4 outflow from overwhelming the river discharge. Other components of the initiative include drainage projects in the C-4 basin municipalities and unincorporated areas of the county. This system is currently operational. Items of consideration for the future include the continual incorporation of municipal pumps and the development of memoranda of understanding with municipalities. This C-4 basin initiative has been successful in that the components of the project work together to reduce the depth and duration of flooding. In addition, the system has created an environment where municipalities work to-

gether with the South Florida Water Management District to maximize the conveyance of flood waters away from residents.

This meeting was concluded with a dedication and plaque unveiling to honor the late Frank Reddish, Miami Dade County's first Chairman of the Local Mitigation Strategy Working Group. Speeches were given by the current LMS Chairperson, Ray Misomali, the former Miami-Dade County Emergency Management Director, Mr. Chuck Lanza and , the current Emergency Management Deputy Director, Mr. Jonathan Lord. Frank Reddish's son, Mr. Alan Reddish, was in attendance.



We thank each of the presenters for taking time out of their schedule to share their valuable expertise with the Working Group.

Minutes of the June 15, 2011, Meeting

Held at the Bascom Palmer Eye Institute, Miami, Florida

Municipalities in attendance:

Coral Gables	Miami Lakes
Cutler Bay	Miami Shores
Doral	North Miami
El Portal	Palmetto Bay
Florida City	Sunny Isles
Homestead	Sweetwater
Miami	Virginia Gardens
Miami Beach	West Miami
Miami Gardens	

Miami-Dade County departments in attendance:

Public Library System	Planning and Zoning
Animal Services	Public Housing Agency
Emergency Management	Public Works
Solid Waste Management	Transit
Fire Rescue	Water and Sewer
Office of Grants Coordination	

Colleges & universities in attendance:

Miami Dade College	University of Miami
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Others in attendance:

American Red Cross	O'Brien's Response Management
Baptist Health	South Florida Water Management District
Citrus Health	Tidal Basin Government Consulting
Hurricane Protection Industries	URS Corporation
International Hurricane Research Center	Miami-Dade County Health Department
Jackson Health Systems	Mount Sinai Medical Center
T.Y. Lin International	

Our meeting was hosted by the University of Miami at the Bascom Palmer Eye Institute. Mr. Ken Capezzuto welcomed our guests and provided basic housekeeping instructions at the beginning of our meeting. In addition, our sponsor, Phoenix Architectural Products, served an excellent array of pastries, juice and coffee. We thank them for their generosity. Our sponsor also shared their experiences with shuttering services within Miami-Dade County. This included experience providing and installing shutters to organizations such as the Bascom Palmer Eye Institute, which is part of

the University of Miami Hospital system. Phoenix Architectural Products also pointed out other benefits of shuttering services, which include energy savings and accompanying rebates for energy companies.

Following the presentation by Phoenix Architectural Products, Inc., Ray Misomali provided updates on the Pre-disaster Mitigation (PDM) grant program. Ray reminded the Working Group to submit their notices of intent to apply for the grant by July 8. The grant submission deadline is August 31st and Ray advised the Working Group to submit their applications as soon as possible to enable the state of Florida adequate time to review and provide feedback for improvement, if necessary.

In keeping with the topic of the PDM program, Mr. Ara Nahapetian discussed the program in greater detail. He reiterated the deadline of August 31st for projects to be submitted to the State of Florida Division of Emergency Management. He also mentioned that funding is limited to a maximum amount of \$3 million dollars per project. There is a 75% - 25% cost share for this program where FEMA funds 75% of the cost of a project and the applicant funds the balance. The PDM grant program is nationally competitive; therefore, a high benefit to cost ratio is a key to project approval as this is one of the measures used by FEMA to assess the competitiveness of an application. It is also important to show documentation that proves the need for FEMA funding.

Additional information regarding the PDM program was provided by Mr. Frank Alonzo of Ty Lin International. Mr. Alonzo discussed the FEMA application portal, E-grants and informed the audience on the ins and outs of the system and also how to maximize on the application process. Mr Alonzo's discussion added to the presentation made by Mr. Napathian.

Our last presenter was Mr. Daniel Craig of Tidal Basin Government Consulting. Mr. Craig shifted the conversation from the PDM program to 406 and 404 mitigation, also known as public assistance mitigation and the Hazard Mitigation Grant Program (HMGP), respectively. Mr. Craig emphasized the need for communities to understand the nuisances of FEMA Public Assistance programs in order to maximize on reimbursement. Understanding the difference between public assistance mitigation and the Hazard Mitigation Grant Program (HMGP) will go a long way in ensuring that communities receive their the greatest return on their efforts to mitigate against future hazards. In addition to discussing these programs, it was mentioned that it is important that communities work closely with FEMA during disasters to ensure maximum reimbursement on mitigation projects.

The meeting ended at 11:00 am. It was immediately followed by a tour of the University of Miami's district cooling facility. We thank our host, sponsor, and guest speakers for their contribution to a successful meeting.

Minutes of the September 21, 2011, Meeting

Held at the Florida International University (FIU) Engineering Center

Municipalities in attendance:

Coral Gables	Miami Beach
Cutler Bay	Miami Gardens
Doral	North Miami

El Portal	Opa-locka
Hialeah	Pinecrest
Homestead	Sunny Isles
Medley	Surfside
Miami	Sweetwater

Miami-Dade County departments in attendance:

Emergency Management	Public Housing Agency
Fire Rescue	Public Library System
General Services Administration	Public Works
Planning and Zoning	Solid Waste Management
Police Department	Water and Sewer

Colleges & universities in attendance:

Florida International University	University of Miami
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Others in attendance:

Baptist Health	Miami Children's Hospital
Betterworld Inc	Miami-Dade County Public Schools
C3TS	Mitigat
Camillus House	Mount Sinai Medical Center
Citrus Health	National Atmospheric and Oceanic Administration
FPL	O'Brien's Response Management
International Hurricane Research Center	Phoenix Architectural Prodcuts, Inc
Jackson Health Systems	State Farm Insurance

The September 2011 LMS meeting was held at the Florida International University (FIU) Engineering Center and was hosted by the FIU International Hurricane Research Center (IHRC). The IHRC graciously also provided an excellent array of pastries, juice, and coffee for the meeting participants. We thank them for their generosity.

To open the meeting, Mr. Erik Salna, Associate Director of the IHRC welcomed our guests and reminded those that might be interested in a tour of the Wall of Wind project to stay behind following the meeting. Ray Misomali, LMS Chair and Coordinator, followed Mr. Salna to make several announcements regarding the LMS program. Mr. Misomali stated that the LMS progress report will be updated in January of 2012; therefore, if working group members have mitigation projects currently underway that they should inform Mr. Misomali so that they may be included in the LMS progress report upon their completion. Mr. Misomali also reminded the audience that the LMS document has been updated and posted to the LMS website. He further reminded the audience to continue to update their individual mitigation projects so that they may qualify for eligibility for programs such as the Hazard Mitigation Grant Program. Mr. Misomali also discussed the Pre-disaster Mitigation (PDM) program where he relayed Miami-Dade County's performance relative to other LMS programs within the state of Florida. Miami-Dade County submitted approximately

33 percent of all of the PDM applications submitted to the Florida Division of Emergency Management. The results for these submittals will be announced in 2012.

Mr. Mike Gambino, who is also the Vice Chairperson of the Local Mitigation Strategy and Floodplain Manager for the City of Miami Gardens, followed Mr. Misomali with a update on his city's floodplain management plan. Mr. Gambino provided statistics on the number of repetitive loss properties in Miami Garden of which there are 20. Mr. Gambino also talked about the Community Rating System (CRS) program to highlight the benefits of participating. Communities participating in the program may earn insurance discounts by completing flood mitigation activities that supersede the standards established by the National Flood Insurance Program (NFIP).actions that followed the share several house-keeping items with the LMS Working Group. The CRS program provides a rating based on a scale of 1-10 for those communities that are reducing their risk to flooding. Miami Gardens has a CRS rating of 6.

Mr. Rob Molleda, Warning Coordination Meteorologist with the National Weather Service, followed Mr. Gambino to provide the audience discuss the 2011 hurricane season and any expectations for hurricane occurrence in the coming months as the season draws to an end. While the 2011 hurricane season has been active, storms are being pushed further and further away from the east coast. Florida has been between two high pressure areas and this has been the reason behind storms staying away from the Florida coast. September 10 is the traditional peak of hurricane activity in the Atlantic Basin and a secondary peak is in the middle of October. As a note, a majority of land-falls in South Florida occur following September 10 with most October storms forming in the Southwest.

Mr. Molleda was followed by the Director of Emergency Management at FIU, Amy Aiken. Ms. Aiken discussed FIU's emergency management program including their hurricane response activities relative to student safety. FIU maintains a dedicated EOC to coordinate response efforts during disasters. FIU also serves as a shelter for Monroe County and can accommodate roughly 400 people.

Mr. Erik Salna, who opened the meeting, came back to the podium to talk about the IHRC. The roots of the IHRC go back to the period following Hurricane Andrew. IHRC is a research facility that focuses its studies on mitigating hurricane hazards. This is done through four labs that study different components of hurricane hazard mitigation. The labs specifically conduct the following research wind; social science; insurance, finances, and economic; and coastal research. The Wall of Wind project is a major component of the IHRC's work as they test the impact of wind on various buildings.

Mr. Salna's introduction was followed by Dr. Dr. Arindam Gan Chowdhury, a professor and researcher at the IHRC who provided additional detail of the history of the Wall of Wind project and various tests that have been conducted by it. The LMS meeting was followed by a tour of the Wall of Wind.

Minutes of the December 14, 2011, Meeting

Held at the Miami-Dade County Fire Rescue Headquarters, Doral, Florida

Municipalities in attendance:

Coral Gables	Miami Lakes
Cutler Bay	Miami Shores
Doral	North Miami
El Portal	North Miami Beach
Hialeah	Palmetto Bay
Homestead	Pinecrest
Key Biscayne	Sunny Isles
Medley	Surfside
Miami	Sweetwater
Miami Beach	Virginia Gardens
Miami Gardens	West Miami

Miami-Dade County departments in attendance:

Fire Rescue	Public Housing Agency
Internal Services	Public Works and Waste Management
Management and Budget	Solid Waste Management
Office of Grants Coordination	Sustainability, Planning and Economic Enhancement
Parks, Recreation and Open Spaces	Transit
Police Department	Water and Sewer

Colleges & universities in attendance:

Florida International University	St. Thomas University
Miami Dade College	University of Miami

Others in attendance:

American Red Cross	Mount Sinai Medical Center
Citrus Health	National Oceanic and Atmospheric Administration
Hurricane Protection Industries	O'Brien's Response Management
International Hurricane Research Center	Phoenix Architectural Products
Miami-Dade County Public Schools	URS Corporation

The December meeting of the LMS Working Group was held at the Miami-Dade County Fire Rescue Headquarters in Doral, Florida. O'Brien's Response Management sponsored the meeting and provided a great array of pastries, coffee, and juice for the meeting participants. We thank them for their generosity.

Each LMS meeting is opened with a segment from our private sector partners to share lessons-learned from their perspective and how the lessons may apply to the public sector operations and management. O'Brien's Response Management presented on the use of technology to manage a crisis. In particular they showcased the PIER system, a web based tool for crisis communications through which an organization can manage communications with stakeholders such as media, employees, and the general public.

Emergency Management Director Curtis Sommerhoff followed O'Brien's' presentation with a discussion on how the recent organizational changes in Miami-Dade would impact the delivery of emergency management services in the county. In addition, Director Sommerhoff addressed the staffing changes within emergency management. With regard to the organizational changes in Miami-Dade County, the passage of the fiscal year 2011-2012 budget included the merger of Emergency Management and Fire Rescue under the leadership of the Miami-Dade County Fire Chief with Emergency Management becoming an office within the Fire Department. While Emergency Management has experienced a structural reorganization, the office will continue to provide the same services to the community. A new direction for the office will be the implementation of the FEMA Whole Community approach to emergency management. In coming months, the LMS Coordinator will be assessing Whole Community concepts to identify if there is a need to integrate, look for ways to expand, or simply emphasize particular elements of Whole Community that might already exist.

Mr. Mike Gambino, Floodplain Manager for the City of Miami-Gardens and also Vice Chair of the Miami-Dade LMS followed Director Sommerhoff's presentation with a discussion on the changes to the CRS Coordinator's Manual. These document where these changes are discussed may be found at www.crs2012.org.

Finally, Ray Misomali concluded the meeting with announcements regarding the LMS program. Mr. Misomali announced the schedule for the 2012 LMS meetings. The meetings will be held on March 21, June 20, September 19, and December 19. Venues for these meetings have not yet been identified; Mr. Misomali is soliciting volunteers who would be willing to host meetings during 2012. Mr. Misomali also asked if there were particular topics that the Working Group would like discussed during 2012. The goal for 2012 was to continue to address topics that are reoccurring. This includes the Pre-disaster Mitigation Program, Hazard Mitigation Grant program, and the global match concept. Other topics that were mentioned included climate change and weather updates. The LMS Coordinator is accepting ideas for topics which can be emailed to mdlms@miamidade.gov. Finally, Mr. Misomali also reminded the audience that the due date for LMS updates is December 31 at which time the LMS document would be updated. The meeting was concluded at 11:20 a.m.

2012

Minutes of the March 21 2012, Meeting

Held at the Miami-Dade County Fire Rescue Headquarters, Doral, Florida

Municipalities in attendance:

Coral Gables	Miami Gardens
Cutler Bay	Miami Shores
Doral	North Miami Beach
Florida City	Pinecrest
Homestead	Sunny Isles
Medley	Surfside
Miami	Sweetwater
Miami Beach	West Miami

Miami-Dade County departments in attendance:

Fire Rescue	Seaport
Library	Transit
Public Works and Waste Management	Water and Sewer
Regulatory and Economic Resources	

Colleges & universities in attendance:

Florida Atlantic University	St. Thomas University
Florida International University	University of Miami
Miami Dade College	

Others in attendance:

AMEC	Miami Children's Hospital
Baptist Health	Miami-Dade County Public Schools
Camillus House	Mount Sinai Medical Center
C3TS	O'Brien's Response Management
Citrus Health	Security Solutions International
FPL	URS Corporation

The March 2012 meeting of the LMS was held at the Town of Medley Council Chambers in Medley, Florida. The Town of Medley also sponsored our meeting by providing wonderful refreshments and pastries for our attendees. The LMS Working Group thanks the Town for their wonderful hospitality.

We were honored to have Town of Medley Mayor, Ramon Rodriguez, welcome the LMS Working Group. Mr. Rodriguez also recognized his staff for their work toward making the meeting a great success. In addition, Mayor Rodriguez recognized and expressed appreciation for the audience and the work they do to mitigate the impacts of hazards in their respective communities.

Mayor Rodriguez was followed by Mr. Solomon Bradman of Security Solutions International who spoke about the upcoming Homeland Security Professionals Conference in November 2012. Mr. Bradman also discussed the Counter Terrorism magazine which is published by his company. In addition to the conference and the publication, Mr. Bradman discussed the specialized homeland security training that his company provides throughout the country.

The remainder of the meeting was dedicated to discussing floodplain management and electricity restoration following a hurricane. The topic of floodplain management was discussed by Mr. David Stroud, Regional Emergency and Hazard Mitigation Director with AMEC which just recently became a member of the Local Mitigation Strategy Working Group. Mr. Stroud is a Certified Floodplain Manager. In his presentation he discussed floodplain management with special emphasis on the Community Rating System (CRS) and the changes that have been made to the program. The changes to the CRS, which are captured in the CRS Coordinator's Manual may be found at the following website: www.crs2012.org.

Ms. Marlen Oria of FPL followed Mr. Stroud's presentation. Ms. Oria talked about the process undertaken by FPL to restore power to a community in the event of a catastrophic event that disrupts power supply in the county. Every year, FPL undertakes various activities to strengthen their ability to respond to a major power outage in the county. This includes conducting an exercise to test their capabilities. In addition, FPL works with the Miami-Dade County Office of Emergency Management to identify and review critical infrastructure power restoration priorities. During a storm event, FPL provides staffing to the Miami-Dade County EOC to ensure communication and coordination between the county and FPL.

Mr. Paul Vitro followed Ms. Oria with an introduction to, and invitation for the LMS Working Group to participate in, the Post Disaster Redevelopment Plan (PDRP) development process which Mr. Vitro will be overseeing. The PDRP identifies policies, operational strategies, and roles and responsibilities for implementation that will guide decisions that affect long-term recovery and redevelopment of the community after a disaster. Mr. Vitro encouraged the audience to see this program as a deeply stakeholder driven project which will benefit greatly from the involvement and participation of various players, including members of the LMS Working Group. Therefore, Mr. Vitro encouraged the participants of the LMS Working Group to participate in the process of developing this document.

The meeting was concluded by Mr. Ray Misomali who discussed FEMA's Pre-disaster Mitigation program and how FEMA did not request any funding for the upcoming fiscal year. Mr. Misomali

also talked about importance of maintaining membership in the LMS Working Group as doing so will facilitate endorsements for organizations that wish to apply for FEMA mitigation grants.

The meeting concluded at approximately 11:20 am.

Minutes of the June 20, 2012, Meeting

Held at the Miami-Dade County Fire Rescue Headquarters, Doral, Florida

Municipalities in attendance:

Coral Gables	Miami
Cutler Bay	Miami Beach
El Portal	Miami Shores
Florida City	Miami Springs
Hialeah	North Miami
Medley	Surfside

Miami-Dade County departments in attendance:

Finance	Public Housing Community Development
Fire Rescue	Public Works and Waste Management
Internal Services	Regulatory and Economic Resources
Library	Seaport
Management and Budget	Solid Waste Management
Park, Recreation and Open Spaces	Transit
Police	Water and Sewer

Colleges & universities in attendance:

Florida International University	University of Miami
St. Thomas University	

Others in attendance:

American Red Cross	Miami Children's Hospital
Baptist Health	Mitigat
Citrus Health	Mount Sinai Medical Center
Fairchild Tropical Botanic Gardens	O'Brien's Response Management
FPL	Phoenix Architectural Products
Health Choice Network	URS Corporation
International Hurricane Research Center	

The June 2012 meeting of the Local Mitigation Strategy (LMS) Working Group was hosted by FPL at their Main Office in Miami. This meeting was sponsored by Phoenix Architectural Products. We are grateful to each of these organizations for their partnership and commitment to the Local Mitigation Strategy program.

The meeting was opened by Mr. Ray Misomali, LMS Chair who thanked the host and sponsors. Ms. Evermary Hickey of FPL's Emergency Preparedness and Restoration Group welcomed the LMS Working Group to the FPL Main Office. In addition, Ms. Hickey also talked about the FPL emergency preparedness program and the various enhancements that FPL has made to be better prepared for a hurricane. Ms. Hickey discussed how FPL has made recent investments in smart technology to enable them to more quickly identify faults, isolate them and make repairs in order to limit the impact of power outages. In addition, FPL continues to look at its processes to ensure power restoration priorities account for locations such as grocery stores, pharmacies, gas stations and essential services in order to facilitate the resumption of basic services to a community.

Many do not associate tree trimming with hazard mitigation. Proper trimming can limit the cascading impacts of a hurricane. To continue to advance this message, Mr. Bob Brennan of Fairchild Tropical Botanic Garden spoke to the audience on tree safety and the proper care of trees to ensure their health and resilience during catastrophic events. During his presentation, Mr. Brennan referenced ANSI 300 for more information on the proper care of trees.

A team from the Miami-Dade Public Waste and Waste Management followed Mr. Brennan's presentation to discuss the county's stormwater program. The first half of the presentation focused on the design of the stormwater system and how a system's design relates with flooding in a community. One of the reasons flooding may occur on roadways is that the stormwater management system does not have the capacity to handle certain levels of rainfall. A good example of when this happened is Tropical Storm Irene and the No-name storm in 1999 and 2000, respectively. With projections of more severe and frequent weather events in the future, consideration will have to be made in stormwater manager for higher rainfall amounts.

The second part of the presentation by Public Works and Waste Management talked about the county storm monitoring system and how we are able to identify, in real time, flood risk in the county. This is done through monitoring of storm water pump stations, secondary canals, and pump stations in the county. The county seeks to increase the number of monitoring stations in order to create coverage throughout the county. As the county receives rainfall information, it will be able to analyze and assess the data to identify trends, hazard prone locations, and locations to direct mitigation efforts.

Finally, Mr. Ray Misomali talked about the Miami-Dade County Damage Assessment program and it's linkage to the Hazard Mitigation Grant Program (HMGP). Mr. Misomali reminded the audience of the value of developing a thorough damage assessment program as it is the engine through which the county receives a presidential disaster declaration and subsequently leads to HMGP funding for the county. The meeting concluded at 11:20 am.

Minutes of the September 19, 2012, Meeting

The June 2012 meeting of the Local Mitigation Strategy (LMS) Working Group was
Panel Discussion:

Ricardo Alvarez – Mitigation Expert

Everymary Hickey - FPL

Rick Stauts – Florida City

Mike Gambino – Floodplain Manager at Miami Gardens

Don Pybas – Former Director of Ag Extension

Max Mayfield – Former Director of National Hurricane Center

Welcome – Ray Misomali – Thanks everyone for coming and excited about powerhouse panel.

Eric Salna – Welcome to College of Engineering and Computing. Recalled had meeting about 1-1.5 yrs ago in the same location. Excited about the progress made on the wall of wind. 1 hour tour after the end of the meeting.

Amy Aiken – Director of EM at FIU – 20 yrs after Andrew at FIU. Presentation of pictures showing the growth of the campus as well maturation of EM on campus. Have dedicated EOC. Marked improvements from 2011 exercise to 2012, people were more engaged. Had first activation with TS Isaac (with snacks).

Jonathan Lord – Deputy Director at MDEM – Thanks Ray for all of the work he has done moving the LMS forward. Highlights Max Mayfield’s birthday as he has been a great partner to MDEM and this County for years.

Video from Remembering Hurricane Andrew event put on by FIU to set the tone for the discussion.

Max Mayfield – Background on Andrew – Asked audience how many people were in EM during Andrew – only 2 people. A week before, Andrew was not all that impressive as a storm. A few days before the NHC almost sent an advisory that it would be the last one unless reformation occurs b/c reconnaissance couldn’t find the center. Andrew upgraded from Cat 4 to 5 10 years later. Best model NHC had at the time had Andrew going north missing land at all as did most of the models. Forecasters have a hard time catching storms that change intensity quickly. Damage increases exponentially as winds increase. A lot of instrumentation failed due to the strong winds. Many reports say there wasn’t storm surge however there was in concentrated areas ex 16+ft at Burger King HQ. An import consideration to remember is that we were lucky that Andrew was small and south of higher populated areas otherwise could have been much worse.

Don Pybas – Large boating community approx. 45000 w/ 9000 in water in 1992. 60% of boaters said they had evacuation plans for their boats but only 4% did prior to Andrew. 918 boats destroyed, sunk or damaged. Huge number of boats were still in wet slips at Dinner Key and Black Point marina, most did not fare well. Dry storage structure was devastated and collapsed on the boats. Docks themselves fared well and remained mostly intact. Recommendations came from FEMA or State without much input from Marine community about putting in 15 ft pilings to allow for floating docks. Second largest Ag community in FL and 16th in nation. In 92 value was around \$900 million. 2012 value is 2.7 billion. Andrew caused about 1 Billion in ag losses with about half coming in actual infrastructure compared to crop loss. Lime industry was essentially wiped out, started to come back but then was wiped out by 1995 citrus canker. Now have about 60000 boats but not a whole lot of dockage and storage space, most are on trailers. Need more education especially due to transient nature of the marine industry.

Mike Gambino – Was with DERM in 1992. After Andrew had problems that took us out of compliance with NFIP. No one was doing substantial damage determinations to structures. Community lacked an objective way to look at damage to determine fair evaluations. After Andrew put together teams that were prepared to go in the field and do determinations. Around Andrew, County as a whole did not do a good job of managing flooding and related issues. Now we do a good job of doing this especially with CRS and ratings for County and many of the cities.

Rick Stauts– was with Dept. of Community Affairs at State at the time. After a disaster of this magnitude, the large influx of money and managing that becomes a major issue as policies, procedures and personnel are not prepared for that. Need to listen to the program people when it comes to recovery and how to spend the \$, don't listen to the politicians b/c they do not know. Enterprise Florida doing CRA in Homestead was classic mistake of acting too quickly, City had to foot bill b/c it wasn't reimbursable. Take the time to do things right when you are spending money b/c sometimes you can't go back and fix the mistakes that were made in the rush to fix things.

Question of Max – are we prepared? There are percentages of people who will never be prepared and so we still have a lot of work to do no matter how far we come. Classic example is residents of LA not heeding storm surge warnings.

Everymary Hickey – FPL – Too many lessons learned and what has been done to highlight in 15 mins. Dealing with human psyche is a major recovery item that must be addressed by organizations. Lessons Learned 1) people need to have personal plans that include more than just having kit but that the people are taken care of especially the family members when someone has to go work 2) personal impact of employees – need to have buddy system that will look out for co-workers 3) in it for the long haul – FPL's just restoration was 31 days then had to deal with all of the other issues. Electrical lines a susceptible to damage in minor incidents (flying debris etc). 90% of FPL customers live within 20 miles of the coast. 2011 FPL built a Cat 5 resistant building in Riviera Beach to house their Command Center operations. FPL has pre-identified staging centers to allow their operations to get up and running quickly. FPL has damage forecast model to help them determine what and how many resources they will need to recover.

Question – Are putting utilities underground a priority? Each solution has pros and cons. Putting underground is more expensive and susceptible to flooding issues so it's not a panacea.

Ray – Ricardo has the tough job of summarizing all that was heard today.

Ricardo – LMS is a child of Andrew. IHC & Wall of Wind are children of Andrew. Andrew was an exercise of learning by doing b/c we weren't prepared for such an event. USACE was put in charge to handle mitigation after Andrew. How do you go from regulation to implementation? Building envelope is only as strong as its weakest point. Federal requirement to have mitigation planning is modeled after the LMS here in MDC. What is being done about storm surge? Not much, we need to make sure building codes and education help us mitigate impacts from storm surge.

Work to be done: using the Saffir Simpson scale as a warning does not give complete picture of potential damage, not to consider water and its potential impacts. Water is dense and its ability to damage is considerable, need building codes to focus on water; we focus too much on response and not enough on preparedness and mitigation; with the increase in population and structures we have more to be damaged and therefore we need to focus on mitigation.

Joe – really wants to thank Ray for taking leadership role for LMS as it was tough to take over after Frank's passing.

Q – what is the weakest link in forecasting? Track forecasting has improved significantly; there has been little improvement in intensity forecasting. Wilma went from TS to Cat 5 in 24 hr period, that has major implications.

Announcements: Next meeting – Dec 19 at Camillus House; project updates are due Dec 31st to Charles Cyrille. Potential Tier 3 funding for TS Debbie encourage everyone to submit projects. Tour of Wall of Wind following the meeting.

Sponsor Announcement – Floodsax – Katherine Howington – sandless sandbag – flooding is the #1 natural disaster in the world. Just an inch of water can cause significant damage to your home. Average annual flood losses for last 10 years is 2.7 billion. 1 flood sax will hold 45 lbs of water. 1 case = 900 lbs of sand; biodegradable therefore after use, minus contamination, can be used as watering device for landscaping. Holds water for 90 days. Shelf life is 5 yrs.

Minutes of the December 19, 2012 Meeting

Welcome – Charles Cyrille – Thank you everyone for attending and thank you to Camillus House for being a gracious host and allowing us to conduct our quarterly meeting at the Camillus House Norwegian Cruise Line Campus.

C.J. Matherne – Welcome to Camillus House Norwegian Cruise Line Campus where we will soon be celebrating the groundbreaking of the new Camillus House Direct Care Building, a 31,000 square-foot building to be constructed adjacent to this building. It will also be home to a 48-bed overnight shelter for men and women, a service center offering showers, clothing exchanges, laundry and mail services. The Direct Care facility will feature a host of unique attributes including a rooftop urban garden that serves both as an energy conservation measure and a healing program for residents. We anticipate earning Gold LEED Certification for the entire campus as a result of the energy efficient elements incorporated into the design. Once fully operational, the campus will have a 340-bed capacity integrated with a variety of employment, social service and clinical treatment programs including an expansion of emergency housing and residential programs. A tour will be made available to LMS members immediately after the adjournment of the meeting.

Charles Cyrille – OEM has identified a candidate to take over the LMS Coordinator position. The prospective start date will be January 2nd, 2013. Once the person has been officially installed; a notice will be sent out via e-mail to all LMS members. In the meantime, it is imperative that all LMS members provide me with their respective updated project list by December 31st. The updated project list is a true tangible testament to the success of our LMS program so it is imperative that we all contribute to ensuring the accuracy of our successes and on-going projects. The updated list may be sent to me via e-mail at cyrille@miamidade.gov.

Paul Vitro – The last LMS Plan update was completed in early 2010 shortly after Frank's passing. The transition to Ray was sudden and although the plan met all minimum requirements it is our contention that a more comprehensive document would be more representative of our community. The next update is due in May of 2015 so preparation and the update process needs to begin soon. Broward County has completed a draft update and has made it available on-line: <http://www.broward.org/EMERGENCY/Pages/October2012ELMSPlan.aspx>

Paul Vitro – The Florida Division of Emergency Management has changed the manner in which you register for courses. You must now create a username and password. I have provided the link to the sign-in page: <http://trac.floridadisaster.org/trac/loginform.aspx>. The following courses may have benefit to you. Please review the course list once you have logged in to the new SERT TRAC.

- G-393 - Mitigation for Emergency Managers: January 30 -31 @ Broward EOC
- G-278 - Benefit-Cost Analysis: Entry Level Training: March 6 - 7 @ Palm Beach Fire Rescue
- BRO-001 - Hurricane Resilient Community Planning and Building Design: March 19 – March 20 @ Broward EOC

Mike Gambino – The updated Community Rating System changes went into effect in mid-2012. If you have not reviewed the changes you should do so. The 2012 changes are based on research; activity evaluations; committee deliberations; weighting review; community feedback; and actuarial review. Some activities will have more points. Some will have fewer points. More emphasis will be placed on keeping the floodplain open and free of development, protecting natural floodplain functions and incorporating low-impact development approaches into local regulatory standards likewise will receive more attention. Additionally, prohibiting or restricting filling in the floodplain will receive more attention, protection of human life and safety, an emphasis on master planning for better programs, and a new activity is devoted to promoting flood insurance. In order to balance the total discount and impact on the National Flood insurance Fund, other activities will have their maximum points reduced. Among those with lower total points available are: Activity 520 – Acquisition and Relocation, Activity 530 – Flood Protection, and Activity 320 – Map Information Service. For a fool explanation of all the changes you can visit www.crs2012.org. A new on-line tool has been released to help communities better understand the risks and natural functions inherent in their floodplains. This tool will also help communities identify which CRS activities would of most benefit to them. A demo version of the Community Self-Assessment is available online at www.crs2012.org. Please feel free to contact me if you have any questions.

Paul Vitro – (HMGP Slide Show) The HMGP process is as follows: Notice of Funding Availability, Applicant development workshops, LMS Working Group submit priority list to state, Applications submitted to state for eligibility review, State conducts project reviews, State submits eligible projects to FEMA for final approval and potential funding consideration, Upon FEMA approval, State begins the project/grant management process. FEMA provides the state with initial HMGP funding amount. The State determines their respective county allocations based on the prorated share of Federal disaster funds spent in their county on: Public Assistance (PA), Individual Assistance (IA), and Small Business Administration (SBA). The state publishes a Notice of Funding Availability (NOFA) which contains allocations to all designated counties. There three Funding Tiers. Tier One - Initial allocation of submitted and eligible projects for each county included in the relevant presidential disaster declaration will be funded in order of priority as endorsed by the LMS Working Group. Tier Two - Any allocation remaining after all eligible projects in any declared county are funded shall be reallocated to those counties included in the relevant disaster declaration whose allocation was not sufficient to fund all submitted eligible projects. The order of priority for Tier Two will begin with the designated county with the lowest initial allocation. Tier Three - If funds remain after the Tier Two funding process, the un-obligated funds will be provided to any applicant statewide with a project application submitted within the application period, on a first-come-first-serve basis until all available funds are obligated. Your HMGP application must include

Endorsement from LMS Chairperson and Meet the requirements of the LMS. If more than one project per endorsement then they must be prioritized (Tier 3). The state provides technical assistance to aid you in completing your application. State submits local applications to FEMA up to 12 months after the disaster declaration. FEMA's goal is to obligate all funds within 24 months of disaster declaration. With respect to Tropical Storm Debby; Miami-Dade is a Tier 3 county. FEMA 4068-DR-FL (07/03/12). Initial Estimate (Federal Share) = \$16.6 M. Application deadline is February 15, 2013. Tier 3 is first come first served so don't wait for the deadline. With respect to Hurricane Isaac; Miami-Dade is once again a Tier 3 county. FEMA 4084-DR-FL (10/18/12). NOFA expected in February Eligible applicants are state and local governments with an approved LMS, Private Not-for-Profits, and Indian tribes or authorized tribal organizations. Additionally, everyone should be familiar with CFR 44 206.434(a). The Biggert-Waters Flood Insurance Reform Act (H.R. 4348). Consolidates NFIP funded mitigation programs into a single program (FMA, RFC, SRL). "National Flood Mitigation Fund" is to be funded at \$90 million per year. Mitigation of repetitive or severe repetitive loss structures and demolition and rebuilding are eligible activities.

Paul Vitro – (Literature Review & Discussion) Two articles were sent out prior to this meeting for your review. They were an AP article titled "Despite law, warnings, NY lacked pre-incident plan for Sandy" and a Miami Herald article titled "Netherlands sets model for flood prevention".

Charles Cyrille – Thank you again for attending this quarters LMS meeting. Please be sure to sign-in if you have not done so already. Our next meeting will be on March 20th, 2013, at a location to be determined. If you are interested in hosting the next meeting please e-mail myself or Paul or see me after we adjourn. Thank you again Camillus House for your hospitality. If you are interested in participating on the tour of the new Camillus House Direct Care Building, still under construction, please meet CJ in the rear of the room. The meeting is adjourned please enjoy the tour.

2013

Notes of the March 20, 2013 Meeting

The meeting was held at the Miami-Dade Fire Rescue Headquarters' Training Facility. Cathie Perkins introduced herself as the new LMS Chair to the group formally. New sign in sheets were developed to help identify the agencies that are attending the meetings. 51 people attended representing 38 agencies.

LMS updates: Provided information on the new plan layout and website and the incorporation of our Threat Hazard Incident Risk Assessment (THIRA). You can check out our updates to the plan by going to our website: <http://www.miamidade.gov/fire/mitigation.asp>. Ms. Perkins will be send out LMS Information Bulletins to the distribution lists for the LMS.

Miami Dade County School Police – Sgt. Paisant - School Lock Down: in light of the Sandy Hook school shooting tragedy we invited MDCSP to present to us on the protective measures they have put in place. Since 1999 and the Columbine shooting laws enforcement have changed their tactics in their response to active shooters. MDCPS uses a two tiered system to protect their 364 schools within Miami-Dade County. Sgt. Paisant spoke about the District Critical Incident Response system they have in place and their planning procedures. Local laws enforcement that is interested in learning more about being added to the MDCPS DCIRS system may make a request of the district.

Sgt. Paisant – Opaisant@dadeschools.net

Sea Level Rise - Nichole Hefty – Office of Sustainability : Nichole shared with us the work that has been done through the hard work of dedicated personnel from Miami-Dade, Broward, Palm Beach and Monroe Counties to develop the Southeast Florida Climate Compact. This guidance document includes a Regional Climate Action Plan with initiatives to be addresses as the work to assess the evolving risk and address mitigation and sustainability. Projections are that we could see a 3-7 inch rise by 2030 and 9-24 inches by 2060. Sea Level Rise poses a threat to our public and private infrastructure, our water supply through shortages and salt water intrusion and compromising our natural systems. You can find a copy of the Compact at

www.SoutheastFloridaClimateCompact.org

Nichole Hefty - HeftyN@miamidade.gov

We also had a guest speaker from Building Performance Americas, Bob Stobaugh who shared some mitigation products that their company has designed including the BPA Claw and Trap™ and the BPA Safety Vent™. Bob's presentation on the BPA Safety Vent showed how it can reduce water intrusion, roof uplift failure, mold and A/C costs. For more information:

<http://buildingperformanceamerica.com/>

Bob Stobaugh - restobaugh@me.com

Notes of the June 19, 2013 Meeting

The meeting was hosted by Miami Lakes at their new Town Center. We had 54 people and representation from 42 agencies.

Here are the highlights of the meeting:

- Update on Subcommittees

Marine Interests – next mtg. August 1

- working on educational materials
 - § by vessel size
 - § How to tie knots
 - § Template for boat owners
- Marine interests day
- Damage assessment information

Agriculture/Landscaping – next mtg. TBD

- Education on the benefits of trees
- Tree trimming/inspections
 - § Standards and grades

Extreme Weather - next mtg. TBD

- Identify by hazard some mitigation methods
 - § Code and Code Plus
- Integrating research into mitigation considerations
- Sustainability measures

CRS/Floodplain – next mtg. August

- Integration of CRS elements into LMS – Uniform Credits
 - § 600 – Warning and Response
 - § 610 - Flood Warning and Response
 - § 370 – Flood Insurance Promotion

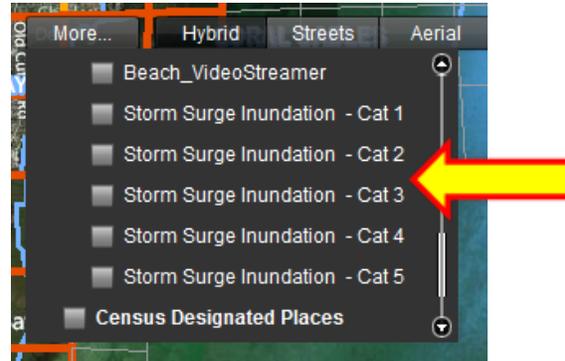
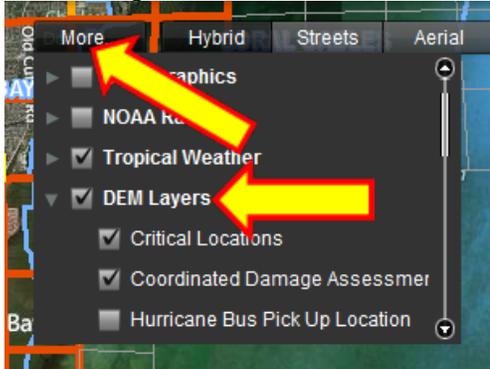
Storm Surge Update

For those of you who want more information on the projected surge amounts in your area you can go on line and see the storm surge planning zones and the surge levels(based on the Maximum of Maximums – all directions of storms by category).

<http://www.miamidade.gov/flipper>

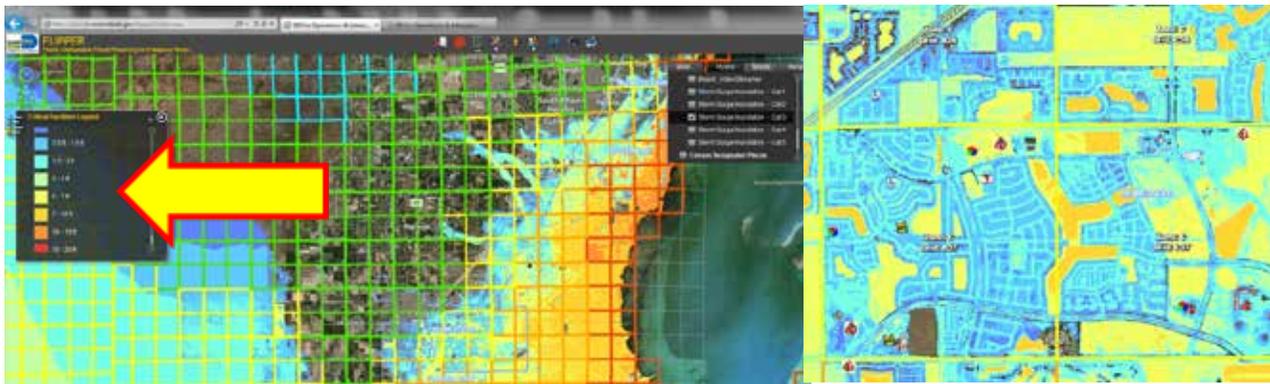
The user can turn on the surge for each category of storm so they can see how the surge will impact them.

Click on the “More” button and scroll down under DEM Layers until you see the Storm Surge inundation options



then select the Category of Storm you wish to see the layer for

This will show the levels of inundation – you can zoom in and out as needed – make sure you scroll down on the Critical Facilities Legend so you can see the levels of surge associated with each color.



As you zoom in closer the grid IDs will also show up.

Look at your facility and staging locations to see if you may need to identify a new mitigation project for the list!

New Project List Tool –Project Submittals are due by June 30

If you have questions, please call me or email me and either myself or Yamela Perez will assist you as able.

What is in a Forecast –

We also had Rob Molleda from the National Weather Service Miami Office present on the nuances of the local weather. Far too often the main concern is “weather” or not we are in the cone and the best information for what we will experience is the local weather forecast NWS – Miami will be providing more detailed information as a storm approaches and makes landfall. Some of the key information you can expect starting about 48 hours before a storm are the probabilistic impacts of:

- Local wind including the extreme winds in the inner wall of the storm

- Local rainfall amounts
- Potential for tornadoes
- Storm surge and coastal erosion predictions

Rob mentioned some interesting facts about the “cone” that so many people fixate on...

- 2 in 3 chance that the center of the storm is within the cone – which also means there is a 1 in 3 chance that it falls outside of the projected cone.
- The cone is always the same size regardless of how far out the winds extend from the center of the storm.
- 36-48 hours out the cone is really not what you should be monitoring – it is the local weather impacts.

In 2004 the NWS started issuing Extreme Wind warnings in relation to major category hurricanes (Cat 3 and higher) with winds > 115 mph. It became official policy in 2007, and knock on wood they have not issued one of these for Miami-Dade so far. They will typically be issued 1 hour prior to onset and are valid for about 2 hours. This will also activate the EAS messaging system. If we plot these out over the duration of the storm this may help us with identifying areas where the greatest damages may have occurred.

The heaviest rainfall bands may be far away from the center of the storm so even if a storm has passed and the winds have died down, you could still get a lot of rain. Case in point, Andrea a few weeks ago – was well up the East Coast and then dumped a lot of rain in short period of time in portions of Miami-Dade.

Here are some sites Rob directed everyone to:

- Tropical Cyclone Potential Impact Graphics <http://weather.gov/tcig>
- Local forecast information <http://weather.gov/miami>
- Interactive National Weather Service for emergency managers, community leaders and other government agencies only <http://INWS.wrh.noaa.gov>

Notes of the September 18, 2013 Meeting

The meeting was held at the UR/IFAS Miami Dade County Extension office in Homestead. We had 53 people representing 34 different agencies. It was good to see all of you again and a few new faces at the meeting.

Thank you to Theresa Olczyk, of the UF/IFAS Miami-Dade County Extension for hosting our meeting. Theresa spoke of the many programs that they promote and support in our community including the Agriculture, Urban Horticulture and Master Gardeners, Sea Grant/Marine, Food and Nutrition and the 4-H Youth Program. For more information about their services you can go to <http://miami-dade.ifas.ufl.edu>.

Cathie Perkins opened the meeting by reviewing the agenda and then talked about the work that the Subcommittees have been doing.

Marine Interests: We continue to work on the brochure for boat owners, we are looking to host a Marine Interests Day and also looking at ways we can also engage the Marinas and perhaps develop guidance for them for hurricane preparedness as well.

Grants and Finance: The group is reviewing the list of grant opportunities and will be assisting with the development of our reimbursement procedures, including looking at reimbursement for our For-Profit hospitals that support our Medical Management Facility Program. I requested two classes from the State – a Benefit Cost Analysis and a Public Assistance Class. The BCA class will be held in November.

CRS/Floodplain: Miami-Dade will be hosting a four day NFIP CRS class for floodplain managers and CRS coordinators. The class will be held December 3-6. Space will be VERY limited and we will allow 1 person per jurisdiction unless there is space available. This class will focus on the updates to the CRS manual. A flyer will be sent out in the near future.

Emergency Management Updates

Flood Mitigation Grant

The State has extended the deadline for submittals for the FMA grant until October 3, 2013. We have heard there are a number of individual homeowners with RL that are interested. They must work through their jurisdiction who will file on their behalf. We had a recent homeowner that was awarded an FMA project and recently found out their taxes went up. Be sure to let your homeowners know that when they apply, elevating their homes is quite costly and a substantial improvement.

State Enhanced Hazard Mitigation Plan

The State of FL now has an approved Enhanced HMP and that will translate to an additional 5% for HMGP monies after a disaster. So now instead of 15%, communities will be eligible for 20% of the total PA monies for HMGP.

Debris Plan

MDEM is working on updating the Debris Plan and will send it for FEMA review and approval upon completion. Under the currently FEMA Pilot, if the County chooses to implement the pilot for a disaster then they could get an additional 2% of reimbursement with an approved plan. Municipalities will have to submit their own plans for approval to FEMA, I did inquire, hoping it would be like the LMS plan but sorry no luck on that one. We mapped and calculated every mile of road in the county by whom maintains in for each municipal and the unincorporated areas. We sent this out along with a survey to all municipalities. I have created a distribution list just for the Public Works/Services folks for each jurisdiction so I can communicate with them directly before, during and after a disaster in relation to debris and public works issues.

We received guidance from FEMA for the Debris Plans – I will attach to the email and also send to the Debris distribution group.

Project List

I have received project updates from most of our stakeholders in the new excel format. Thank you for your assistance. We are working with WebEOC (our internet based incident tracker) to create an LMS Project board that will enable each stakeholder to enter and update their projects on line. I hope to have this completed by end of this year and we will upload all of the information we received from the June updates into the system. We will do a training and provide usernames and passwords once we get it all on line.

Integration of Climate Change and Sea Level Rise

The state is currently integrating Climate Change into their Hazard Mitigation Plan and we plan to follow suit. We are currently seeking funding for a position to assist with integrating climate change, through reviewing research, developing language for incorporation into a number of different community plans, including the LMS, and developing educational materials and workshops for our decision makers, facilities, infrastructure and finance personnel and the public.

Guest Speakers**Rain Gauges - Real-time Monitoring and Historical Records**

Our first guest speaker was Alex Barrios, Manager of the Miami-Dade Public Works and Waste Management Department Stormwater Drainage Design Section. Alex spoke about the rain gauge and canal monitoring system they have developed. [The system allows for](#) real time monitoring rainfall at over 100 gauges throughout the county and this has been instrumental in helping to deploy work crews to locations that are being impacted by heavy rainfall to assess the areas and mitigate damages. They granted access the MDEM and the NWS so that we can also monitor. During some of our recent heavy rains we were able to see where the storm was currently hitting and where it was moving to. This provides the NWS with a wonderful tool for their local forecasting as well. The system allows you to also look at historical records to see where heavy rains have been, a great tool for our stakeholders as they prepare reports on rain impacts. MDEM also sees this as an invaluable tool for our Impact Assessment capabilities. As a storm is approaching our area, we can ascertain what the recent rainfall has been and how high the Miami-Dade canals are. We can also monitor the gauges real time to record where the rain is occurring. This will help us determine areas of impact and be able to provide this information to our stakeholders. We also discussed the ability to add additional monitoring capabilities such as wind meters as well. Anyone who is inter-

ested in getting access to the real time monitors should contact Alex at barria@miamidade.gov. This is not for the general public and you will have to given a secure log in to access the system. Also if any of our stakeholders have rain gauges that can feed real time information we are very interested in getting the sites added to this [system](#) as well. Additionally, Alex mentioned that PWWM along with FDEP will be hosting a Muddy Waters Blues seminar which is being scheduled for November 13 and 14. This class is considered a follow up to the Florida Stormwater Erosion and Sedimentation Control Inspector course.

Alex also mentioned they have a brochure entitled “Save our Swales”- click on the links below to access them. He mentioned that they often get calls from homeowners reporting that the swales have water in them and this is a good educational brochure that explains that this is a normal function of a swale. [Save Our Swales -- English](#)  [Español](#)  [Kreyol](#) 

Repetitive Losses - Miami Gardens Update

Our second speaker was Mike Gambino, Floodplain Administrator for the City of Miami Gardens. Mike provided a progress report on the work he has been doing in his community for repetitive losses. He provided a map to show where those locations are. Mike also spoke on how communities can utilize the LMS plan as their Floodplain Management Plan and how they should also be sure to list all of their floodplain projects in the LMS Project List. Mike spoke briefly about the CRS program and encouraged communities that are not participating to join. He stressed that as of October 1st that the Biggert-Waters Act may go into effect and this will mean significant increases for homeowners and business owners in FEMA flood zones that were constructed Pre-FIRM. Those dates are either September 29th 1972 or 1974, depending upon when the communities’ maps were completed. On November 1, 2013 in North Miami there will be a Hydrology and Hydrologic Modeling class and there will also be an exam offered for those interested in becoming a Certified Floodplain Manager on November 15, 2013.

Coincidentally, Craig Fugate, FEMA Director, addressed Congress yesterday to speak about the Biggert Waters Flood Insurance Reform Act of 2012. Here is a link where you can find out more about Mr. Fugate’s testimony <http://www.dhs.gov/news/2013/09/18/written-testimony-fema-administrator-craig-fugate-senate-banking-housing-and-urban>.

Mitigation Product Highlight

This meeting we had a presentation by TrapBag who has created a versatile flood barrier product. Per their brochure, the TrapBags are designed to be rapidly deployable, durable and flexible. The product can be utilized for flood protection, temporary levees, levee repair, erosion protection, force protection, coffer dams, walls for temporary shelters, barricades, pollution barrier, gravity wall, blast wall and sea walls. For more information you can contact Everett “Buzz” Waid at 239-229-5285 or go to www.TrapBag.com. Buzz presented the product and showed some video of the testing performed by the USACE. They are currently working on a project in Jupiter, FL and numerous projects in the aftermath of Hurricane Sandy.

Notes of the December 11, 2013 Meeting

The meeting was held at the garage at Vizcaya Museum and Gardens. 62 people attended representing 42 agencies.

Cathie Perkins welcomed everyone to the meeting and asked any new attendees to identify themselves. Ms. Perkins asked the Steering Committee and Subcommittee members to identify themselves by standing and thanked them for their support throughout the year. Ms. Perkins asked if anyone had any announcements for the group. Alex Barrios of PWWM spoke of an upcoming seminar called Muddy Waters Blues.

Ms. Perkins announced that the state sent out a notification for potential funding for HMGP monies from the flooding in North Florida. The Impact Assessment System has been put out for bid and attendees that are interested in participating in worksheet development for the assessments were asked to notify Ms. Perkins after the meeting. The state on the SHMAP call announced that they will accept submittals for FMA projects at anytime to help allow for time for the projects to be reviewed.

Ms. Perkins gave an update on the activities of the Subcommittees and announced that the BCA class would be held on December 12 -13 at the Miami -Dade EOC. It was mentioned again about global matches and how any non-federally funded projects should be identified as a potential for a global match.

Ms. Perkins discussed the new Part 7 of the LMS plan that will inexpand upon flooding issues and address NFIP and issues relevant to the CRS program and how the county is working to identify uniform credit for activities performed by the county, in particularly Emergency Management. It was stressed that for the annual updates, the Activity 510 , that it is the responsibility of each jurisdiction to present it to their elected officials and do a public notice. ISO does NOT recognize inclusion in the LMS as preforming that function. When the LMS has its 5-year renewal it will count for that year with communities doing a local adoption.

Ms. Perkins mentioned that the Education and Outreach Subcommittee will be assisting with the CRS Public Information outreach (PPI) to assist with getting credits and identifying educational materials as per Series 300 of the CRS manual.

Ms. Perkins demonstrated the new LMS Project Submittal process via WebEOC. Log in information, usernames and passwords will be sent out by the end of this week so that everyone may review and update their projects. Project updates are due by January 15th.

Rain for Rent, Randy Cordrey spoke about their pumping systems for flooding issues. Materials were provided for all attendees.

A tour of Vizcaya Museum to show a number of the successful mitigation projects they have implemented over the years was provided. Jim Rustin spoke of the window protection, issues with

flooding, historical preservation challenges and challenges with the large entryway protection and the skylight in the main courtyard.

2013 Meeting Attendance

This chart documents the attendance of agencies for the Quarterly Working Group Meeting and the Subcommittee and Steering Committee meetings that were held in 2013.

Organization	Jurisdiction	2013	2013 LMS Meetings														
			12/11/2013	1/5/2013	10/10/2013	9/18/2013	8/29/2013	8/20/2013	8/5/2013	6/19/2013	6/13/2013	5/23/2013	5/9/2013	4/25/2013	3/20/2013	2/21/2013	
Florida International University	Colleges and Universities	4+*	X			X					X			EXW		X	SC
St. Thomas University	Colleges and Universities	3	X								X					X	
University of Miami	Colleges and Universities	3+*				X				X	X					X	SC
Miami Dade College	Colleges and Universities	4+*	X			X				X						X	SC
International Hurricane Research Center	Colleges and Universities	2+								X	X					X	SC
University of Florida IFAS Extension	Colleges and Universities	**										MI			AG		
MD-County Unincorporated MD	County																
MD-Finance	County	1	X														
MD - Fire Rescue	County	3**	X	EO			X			G FI	X					X	
Office of Emergency Management	County	4+****	X	EO	CRS		ORTLY	MI		G FI	X	MI	CRS	EXW	AG	X	SC
MD-Internal Services (GSA, HR, Procurement, A&E of CIP)	County																
General Services Administration	County	2	X														X
MD-Library	County	2	X														X
MD - Management and Budget																	
Office of Grants Coordination	County	3*	X							G FI	X						X
Office of Capital Improvements																	
MD-Parks, Recreation and Open Spaces	County	2**	X							G FI	X	MI					
MD-Police Department	County	2									X						X
MD-Public Housing and Community Development	County	3	X								X						X
MD-Public Works and Waste Management	County	4	X				X				X						X
Public Works Department	County	3*	X			CRS	X										X
MD-Port of Miami	County	*				CRS											
MD-Regulatory and Economic Resources	County	2**+	X			CRS								EXW		X	SC
Planning (P&Z)	County	2	X														X
Agriculture Extension	County	3*	X				X								AG		X
MD-Transit	County	2									X						X
MD-Water and Sewer Department	County	3	X				X				X						X
Vickeysa Museum and Garden	County	3	X								X						X
Miami Dade County Public Schools	County	4	X				X				X						X
South Florida Water Management District	State	1+									X	X					
FEMA	Federal	*											FP				
NOAA	Federal	2									X						X
Citrus Health	Hospital/Health Care	3	X				X				X						X
Jackson Health Systems	Hospital/Health Care	1	X														
Miami Childrens Hospital	Hospital/Health Care	1					X										
Mount Sinai Medical Center	Hospital/Health Care	2+*	X								X	X					SC
Aventura	Municipalities	*											FP				
Biscayne Park	Municipalities	2	X								X						
Coral Gables	Municipalities	3	X				X				X						
Cutler Bay	Municipalities	2**	X			CRS	X						FP				
Doral	Municipalities	2**	X			CRS	X				X			FP			
EI Portal	Municipalities	3					X				X						X
Florida City	Municipalities	4	X				X				X						X
Golden Beach	Municipalities	1	X														
Hialeah	Municipalities	2**	X			CRS								FP			X
Homestead	Municipalities	3	X				X										X
Key Biscayne	Municipalities	2**				CRS	X				X			FP			
Medley	Municipalities	2*					X										X
Miami	Municipalities	3**	X			CRS	X				X			FP			X
Miami Beach	Municipalities	4**	X			CRS	X				X			EXW			X
Miami Gardens	Municipalities	3+**				CRS	X				X	X					SC
Miami Lakes	Municipalities	4**	X	EO		CRS	X				X			FP			X
Miami Shores	Municipalities	3**	X			CRS	X				X			FP			
Miami Springs	Municipalities	2	X				X										
North Bay Village	Municipalities	4	X				X				X						X
North Miami	Municipalities	1*				CRS	X				X						
North Miami Beach	Municipalities	3*	X				X				X			FP			
Opa-locka	Municipalities	*				CRS											
Palmetto Bay	Municipalities	3**	X			CRS	X							FP			X
Pinecrest	Municipalities	3					X				X						X
South Miami	Municipalities	1*									G FI	X					
Sweetwater	Municipalities	3	X				X				X						
Virginia Gardens	Municipalities	2					X				X						
AMEC	Business - Consultant	2+*	X								X	X					X
URS	Business - Consultant	1									X	X					X
Grove Isle Marina		**						MI				MI					
HPI	Business	1+*								STR	X	X					SC
Kolisch Marine Insurance	Business	*						MI									
Mitgat	Business - Consultant	1+*									X	X		EXW			SC
ARC	PNP	3+*	X				X				X	X					SC
Camillus	PNP	1					X										
Community Council		*										MI					
Miami River Commission		*										MI					
Miami River Marine Group	PNP	**						MI				MI					
Strategic Initiatives Planning and Advocacy		**						MI				MI					
Private Citizen	Other						X	MI				MI			AG	X	SC
Guest	Guest		X				X										X
Total Municipalities		34	20				25				26						13
Total County		30	25				13				14						23
Total State		4	0								1						0
Total Federal		5	0								1						1
Total Other		9	10				7				6						7
Total Colleges and Universities		10	5				4				6						5
Total Guest		0	2				4										2
Other County		0															0
Number of Agencies Represented			46	3	16	34	7	8	2		42			5	7	38	15
Total Individuals in Attendance			62	4	25	53	7	8	2		54	10	30	5	7	51	15