

**MINUTES OF THE
SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST
PUBLIC HEARING AND BOARD MEETING
THURSDAY, NOVEMBER 18, 2010**

The public hearing and regular monthly Board Meeting of the Southeast Louisiana Flood Protection Authority - East (Authority or SLFPA-E) was held on Thursday, November 18, 2010, in Room 131, Building 20 Kirschmann Hall, University of New Orleans, 2000 Lakeshore Drive, New Orleans, Louisiana, after due legal notice of the meeting was sent to each Board member and the news media and posted.

Mr. Doody called the meeting to order at 9:40 a.m. and led in the pledge of allegiance.

PRESENT:

Timothy P. Doody, President
John M. Barry, Vice President
Louis E. Wittie, Secretary
Stephen Estopinal, Treasurer
David P. Barnes, Jr.
Ricardo S. Pineda

ABSENT:

Stradford A. Goins
Thomas L. Jackson
George Losonsky, PhD

OPENING COMMENTS:

Mr. Doody explained that the SLFPA-E is responsible, as a member of the Coastal Protection and Restoration Authority (CPRA), for representing the local parish governments. He reported that he recently met with local parish officials relative to the National Resource Damage Assessment (NRDA) Process in response to the BP oil spill. Meeting participants included Craig Taffaro, St. Bernard Parish President, City of New Orleans and St. Tammany Parish representatives, Steve Wilson, Pontchartrain Levee District, and Carlton Dufrechou, SLFPA-E Coastal Advisory Committee. He noted that he is still attempting to get in touch with Jefferson Parish officials. The meeting resulted in a vote to update the emergency projects on the State's list to include several additions. A presentation will be provided to the CPRA at its next meeting.

Mr. Doody commented that he visited the IHNC surge barrier with a group from Citizens for One Greater New Orleans. He stated that he was reminded about how much money the Federal government is investing in the local projects (a total of approximately \$14 billion including SELA projects on the Mississippi River East Bank). This investment is in response to a terrible disaster (Hurricane Katrina). Although this investment is a large portion of the U.S. Army Corps of Engineers' (USACE) budget, it is not out of the ordinary when looking at other national disasters. The Nation comes to the aid of

communities in peril. This area was and still is a community in peril. He commented on value this region adds to the national economy.

Mr. Pineda thanked Colonel Robert Sinkler and his team for the briefing and tour of the IHNC surge barrier provided to one of the California Legislature's top attorneys during a recent visit. He thanked John Barry for his recent testimony presented in Washington, D.C. He commented on a news story that aired last night relative to armoring and on the importance of armoring in project resilience.

ADOPTION OF AGENDA:

The agenda was amended to move Agenda Items XIV.C1, C2 and C3 immediately after Item VII - Public Hearing. A motion was offered by Mr. Wittie, seconded by Mr. Barry and unanimously adopted by a roll call vote, to adopt the agenda as amended.

RESOLUTION #11-18-10-01 - APPROVAL OF OCTOBER 21, 2010 MINUTES

On the motion of Mr. Wittie,
Seconded by Mr. Estopinal, the following resolution was offered:

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East approves the minutes of the Board Meeting held on October 21, 2010.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

ORLEANS LEVEE DISTRICT PUBLIC HEARING:

Conducting a Public Hearing for the purpose of considering levying an additional or increased millage rate for the Special Levee Improvement Tax of the Orleans Levee District above the millage rate levied for year 2010 without further voter approval by rolling forward the millage rate for said tax to a rate not to exceed the maximum rate permitted in accordance with Art. 7, Sec. 23(C) of the LA Constitution and R.S. 47:1705(B).

Mr. Doody asked whether there was any member of the public who wished to comment. There was no member of the public wishing to comment.

Mr. Doody explained that property is reassessed every four years. The Authority is required by law to roll millage rates back to the rates that would produce the same revenue generated by the previous assessment. The Authority then has the opportunity with a two-thirds vote to roll the millage rates back up to the millage rates prior to the reassessment. Three years ago the Board voted to roll back the millage rate for the Special Levee Improvement Projects (SLIP) Fund. The Board has the opportunity on this final year to roll up the SLIP tax millage rate to 6.55 mills. The current SLIP tax

millage rate is 5.46 mills. He pointed out that the Orleans Levee District saved a tremendous amount of money by retiring some of its bonds early and probably by having fewer personnel than it would desire. The repayment of the Community Disaster Loan and Go Zone bonds were included when considering whether to roll forward this millage rate.

Mr. Doody further explained that the additional operations and maintenance (O&M) costs when the USACE turns over the Hurricane and Storm Damage Risk Reduction System (HSDRRS) projects to the levee districts are difficult to estimate. An estimate of this cost was included in the consideration. Mr. Pineda pointed out that an O&M cost study that includes the HSDRRS projects is being conducted for future planning.

Mr. Doody noted the difficulty in the process of considering a roll forward of the millage rate because of uncertainties and unknowns. At the time that the SLIP fund tax expires in 2015 the Authority should know the O&M costs going forward. In addition, the Orleans Levee District will be required to begin paying approximately \$300 million to the Federal government for the local cost share for the HSDRRS for Orleans Parish at \$10 million per year over a thirty year period. The State made a commitment to pay for all of the lands, easements, rights-of-way, relocations and disposal sites (LERRDS) for the HSDRRS; however, this commitment did not cover the local cost share for the construction of the system. Therefore, a renewal of the SLIP fund tax or the passage of another tax will be required because the General Fund cannot fund the local cost share of the projects currently under construction. Mr. Barry commented that the levee district should not have to pay this entire cost since the damage inflicted on the region was caused by elements that benefit the entire nation. Mr. Pineda commented on the need for a dynamic financial plan that is a component of the SLFPA-E's strategic plan.

There were no further comments from Board members or any comments from the public; therefore, the public hearing was closed. The Board returned to the regular session and proceeded with the amended agenda.

RESOLUTION #11-18-10-02 - DOWNWARD ADJUSTMENT OF MILLAGE RATES TO TAKE INTO ACCOUNT 2007 REASSESSMENT

Mr. Wittie read the entire resolution into the record. Mr. Doody clarified that this is a resolution to ratify the millage rate roll down in 2007 and is being adopted on the advice of counsel in order to take the most conservative approach possible. The resolution was unanimously adopted by a roll call vote.

On the motion of Mr. Barry,
Seconded by Mr. Barnes, the following resolution was offered:

WHEREAS, Article 7, Section 23 (B) of the Louisiana Constitution of 1974, as amended (the "Constitution") and La. R. S. 47:1705(B).(2)(a) requires taxing authorities to adjust the millage rates upward or downward so that the taxing authorities receive not more or less ad valorem taxes in the year following reassessment than in the year preceding the last reassessment of property, (for

these purposes: year preceding last reassessment is 2007 and year following reassessment is 2008); and

WHEREAS, the reassessment of property in Orleans Parish made during 2007 as completed for use for tax year 2008 resulted in more assessed valuation than that assessed in 2007, which required a reduction in millage rates for 2008; and

WHEREAS, the Southeast Louisiana Flood Protection Authority – East (the “Authority”), acting as the governing authority of the Orleans Levee District (the “District”) pursuant to the provisions of Resolution No. 11-08-07-03 adjusted downward each of the millage rates for the three (3) ad valorem taxes levied by the District as required by Article 7, Section 23 (B) of the Constitution and La. R. S. 47:1705(B).(2) (a) from the rates collected in 2007 of:

- 1) for the tax authorized by Article 6 Section 39 (A) of the Constitution (the “General Tax”), at the rate of 5.46 Mills;
- 2) for the Special Levee Improvement Tax authorized by the Special Election of November 19, 1983 (the “SLIP” Tax”) at the rate of 6.55 Mills; and
- 3) for the Maintenance tax authorized by the Special Election of November 19, 1983 and imposed by the District’s Resolution No. 1-081899 (the “Maintenance Tax”) at the rate of .75 Mills.

to the recalculated rates provided for and ratified by the District in Resolution 12-20-07-05 of:

1. 3.97 mills for the District’s General Tax;
2. 4.76 mills for the District’s SLIP Tax; and
- 3 .55 mills for the District’s Maintenance Tax.

Totaling 9.28 mills; and

(Collectively the “Adjusted Rates”)

WHEREAS, the Authority intends to hold a public hearing in accordance with the provisions of Article 7 Section 23 (C) of the Constitution and the provisions of La. R.S. 47:1705(B) for the purpose of getting public input on whether the Authority should or should not increase the millage rates above those levied in years 2008, 2009, and 2010 which were above the Adjusted Rates and therefore it desires to adopt a separate resolution adjusting downward the millage rates actually levied in year 2007 (the Adjusted Rates) as a condition precedent to the process of increasing the millage rates to be levied in year 2011 above both the millage rates levied in years 2008, 2009, and 2010 and the Adjusted Rates.

NOW THEREFORE BE IT HEREBY RESOLVED BY THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY-EAST as the governing authority of the Orleans Levee District that:

SECTION 1. Downward Adjustment of 2007 Millages to Take Into Account the 2007 Reassessment. The Authority does hereby adjust downward each of the millage rates for the three (3) ad valorem taxes levied by the District as required by Article 7, Section 23 (B) of the Constitution and La. R. S. 47:1705(B). (2) (A) from

the rates collected in 2007, as shown in Column B below to the adjusted rates shown in Column C below:

| A | B | C |
|-----------------|---|--|
| Name of Tax | Millage Rate Actually Levied in Year 2007 | Reduced Adjusted Millage Rate Established After Taking into Account Reassessment |
| General Tax | 5.46 | 3.97 |
| SLIP Tax | 6.55 | 4.76 |
| Maintenance Tax | 0.75 | 0.55 |

Attached hereto as Exhibit "A" are the adjustment schedules calculating the reduced adjusted millage rates established after reassessment as set forth in column C of the above chart.

SECTION 2. Further Actions. The President of the Authority or Director of Hurricane and Flood Protection of the District is and they are hereby authorized and empowered to execute any and all documents necessary to accomplish the above purposes.

The foregoing was submitted to a vote, the vote thereon was as follows:
 YEAS: Mr. Barnes, Mr. Barry, Mr. Doody, Mr. Estopinal, Mr. Pineda and Mr. Wittie
 NAYS: None
 ABSTAINED: None
 ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

Consideration of adoption of a resolution establishing, levying and certifying millage rates for the three (3) taxes collected by the Orleans Levee District at rates in excess of the rates resulting from the 2007 downward adjustment to the millage rates required by Article 7 Sec. 23(B) of the Constitution, in excess of the millage rates levied in 2010 but not more than the millage rates levied in year 2007 and other matters in connection therewith.

Mr. Barry read the entire resolution into the record. Mr. Doody explained that the Orleans Levee District advertised the public hearing in July in order to have the opportunity to consider rolling the SLIP millage rate forward. It was clarified that this matter was forwarded to the Board from the Finance Committee without recommendation. A motion was offered by Mr. Estopinal to maintain the present SLIP tax millage rate of 5.46 mills. There was a consensus of the Board that the current (2010) SLIP millage rate should be maintained for 2011; therefore, the Board moved to Agenda Item No. XIV.C.3.

RESOLUTION #11-18-10-03 - ESTABLISHING 2011 MILLAGE RATES AT THE SAME RATES AS LEVIED IN 2010

Mr. Estopinal read the entire resolution into the record. Mr. Doody clarified that with the adoption of this resolution the Orleans Levee District would collect the same millage

rates for 2011 as it collected in 2010. The unknown factor is what additional properties came on or dropped off the tax rolls during the past year. A representative of the Assessor's Office present at the meeting explained that there was a damage assessment in 2006 (post Hurricane Katrina), which was an across the board reduction authorized by the State Tax Commission. Some properties still maintain the damage assessment until the property is rehabilitated or comes back into commerce. The question was called and the resolution was unanimously adopted by a roll call vote.

On the motion of Mr. Estopinal,
Seconded by Mr. Wittie, the following resolution was offered:

WHEREAS, the property subject to ad valorem taxation in Orleans Parish was revalued and reassessed by the tax assessors during the year 2007 for use in adjusting and fixing millages for tax year 2008; and

WHEREAS, Article 7, Section 23 (B) of the Louisiana Constitution of 1974, as amended (the "Constitution") and La. R. S. 47: 1705 B(2)(a) require taxing authorities to adjust the millage rates upward or downward so that the taxing authorities receive not more nor less ad valorem taxes in the year following reassessment than in the year preceding the last reassessment of property (for these purposes: the year preceding the last reassessment is year 2007 and the year following the last reassessment is year 2008); and

WHEREAS, the reassessment of property in Orleans Parish, as completed for use for tax year 2008 resulted in more assessed valuation than that assessed in 2007, which required a reduction in millage rates for 2008; and

WHEREAS, the Southeast Louisiana Flood Protection Authority – East (the "Authority"), acting as the governing authority of the Orleans Levee District (the "District") pursuant to the provisions of Resolution No. 11-08-07-03 adjusted downward each of the millage rates for the three (3) ad valorem taxes levied by the District as required by Article 7, Section 23 (B) of the Constitution and LA. R.S. 47: 1705 B(2)(a) from the rates collected in 2007 of:

- 1) for the tax authorized by Article 6 Section 39 (A) of the Constitution (the "General Tax"), at the rate of 5.46 Mills;
- 2) for the Special Levee Improvement Tax authorized by the Special Election of November 19, 1983 (the "SLIP" Tax) at the rate of 6.55 Mills; and
- 3) for the Maintenance tax authorized by the Special Election of November 19, 1983 and imposed by the District's Resolution No. 1-081899 (the "Maintenance Tax") at the rate of .75 Mills.

to the recalculated rates provided for and ratified by the District in Resolution 12-20-07-05 of:

1. 3.97 mills for the District's General Tax;
2. 4.76 mills for the District's SLIP Tax; and
3. .55 mills for the District's Maintenance Tax.

Totaling 9.28 mills

(Collectively the “Adjusted Rates”); and

WHEREAS, the Authority has this date by separate resolution adopted, reestablished and ratified the Adjusted Rates; and

WHEREAS, as authorized by the provisions Article 7, Section 23 (C) of the Constitution and La. R. S. 47:1705 B. (1) allowing the collection of a larger amount of ad valorem taxes by a taxing entity for years after reassessment by setting millages not to exceed the millage rate assessed in the last year prior to the reassessment (in this case year 2007), notwithstanding the provisions of Article 7, Section 23 (B), upon two-thirds vote of the governing authority of a taxing entity after a public hearing held pursuant to the open meetings law, the millage rates for the District’s taxes were levied for year 2010 at the recalculated millage rates ratified by Resolution No. 11-19-09-04 of:

1. 5.46 mills for the District’s General Tax;
 2. 5.46 mills for the District’s SLIP Tax; and
 3. .75 mills for the District’s Maintenance Tax.
- Totaling 11.67 mills; and

WHEREAS, the Authority caused advertisements to be run in the Times-Picayune on July 6 and July 8, 2010, giving notice of the purpose, time and place for a public hearing to be held at 9:30 a.m. on Thursday, November 18, 2010 at University of New Orleans, Building 20, Kirchmann Hall, 2000 Lakeshore Drive, New Orleans, Louisiana, to consider whether to adjust the millages upward from the millage rates levied for year 2010 to rates not in excess of the rates levied in year 2007 (the “Public Hearing”), which hearing was conducted by the Authority at the advertised time and place; and

WHEREAS, after considering the issues raised at the Public Hearing, the Authority desires to establish the millage rates to be levied for year 2011 at the same rates as levied for year 2010.

NOW THEREFORE BE IT HEREBY RESOLVED BY THE SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY – EAST as the governing authority of the Orleans Levee District that:

SECTION 1. Ratification of 2007 Adjustment in millages after reassessment. The Authority does hereby ratify the downward adjustment of each of the millage rates for the three (3) ad valorem taxes levied by the District as required by Article 7, Section 23(B) of the Constitution and La. R. S. 47:1705(B)(2)(a) pursuant to the District’s Resolution No. 11-08-07-03 from the rates collected in 2007, as shown below to the adjusted rates shown below:

| Name of Tax | Millage Rate Levied in Year 2007 | Reduced Adjusted Millage Rate Established After Reassessment |
|-----------------|----------------------------------|--|
| General Tax | 5.46 | 3.97 |
| SLIP Tax | 6.55 | 4.76 |
| Maintenance Tax | 0.75 | 0.55 |

as such rates were reestablished and ratified in the District's separate Resolution No. 11-18-10-02 adopted this date.

SECTION 2. Establishment 2011 Millage Rates. The taxes of the District for year 2011 be and they are hereby fixed and levied without the necessity of further voter approval at the same rates levied for year 2010 to wit:

| | |
|-----------------|-------------|
| General Tax | 5.46 Mills |
| SLIP Tax | 5.46 Mills |
| Maintenance Tax | .75 Mills |
| Total | 11.67 Mills |

Which rates do not exceed the 2007 millage rates respectively of 5.46 mills for the District's General Tax, 6.55 mills for the District's Special Levee Improvement Tax, and .75 mills for the District's Maintenance Tax.

SECTION 3. Statement of Total Millage to be Levied. A total of 11.67 mills shall be levied in 2011.

SECTION 4. Certification of Levy. The Authority acting for the District hereby certifies the annual levy of the General Tax, the Slip Tax and the Maintenance Tax to the Council of the City of New Orleans for the purpose of causing the three taxes to be entered on the tax rolls of said City and collected by its Finance Department in the manner and under the conditions and with interest and penalties prescribed by law for City taxes; and such monies, the ad valorem taxes including interest and penalties connected therewith, thus collected shall be paid to this Board as provided by law for the tax year 2011.

SECTION 5. Further Actions. The President of the Authority or Director of Hurricane and Flood Protection of the District is and they are hereby authorized and empowered to execute any and all documents necessary to accomplish the above purposes.

The foregoing resolution was read in full, the roll was called on the adoption thereof, and the resolution was adopted. The votes were:

YEAS: Mr. Barnes, Mr. Barry, Mr. Doody, Mr. Estopinal, Mr. Pineda and Mr. Wittie

NAYS: None

ABSTAINED: None

ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

PUBLIC COMMENTS:

Carol Byram, a resident along the 17th Street Canal, requested that the property owners be allowed to move their fences back to the property line for several reasons, which included information concerning the levee crown contained in the package that she presented to the Board members. She stated that the fence line inside the yard makes it harder to cut the grass on both sides of the fence. She commented about a newspaper article that quoted Mr. Wittie on concerns about grass issues and the

USACE not enforcing its contract specifications. She stated that the USACE was not following its own guidelines with respect to the tree issue and that the property owners' expert was dismissed. She presented a copy of a slide on the levee behind her property produced by the USACE when the vote was taken on the tree removal. She stated that this slide was a surprise to the property owners and that they were not given an opportunity to respond to the slide. She stated that she listed about ten flaws in the slide in the packet of information that she presented. She stated that at least five of these flaws, if corrected, would have placed the toe plus six-feet outside of the yard and save the fences and trees. She commented on the trees on the slide and stated that the tree roots would not have caused seepage, but served as reinforcement. She commented on the issue of tree removal in other states. She stated that there was never a servitude and asked that the Board look at the entire issue and make it right.

Roy Arrigo stated that his home backs up to the 17th Street Canal levee. He read a prepared statement (attached to the minutes).

Craig Berthold, a resident along the 17th Street Canal, stated that property owners were told that there would be no compensation for the loss of structures, fences, trees or the use of their property because the home owners should not have over built and planted knowing that there was an existing right-of-way servitude on the back of their property, just as there is a sidewalk/driveway easement on the front of the property. He stated that the sidewalk/driveway easement is not on the residents' property; however, the alleged servitude in the back is on their property. Residents do not pay taxes or held responsible for liability on the easement in front of their property. He commented that these statements are being made on eve of a further intrusion onto the property with the upcoming remediation work along the outfall canals.

Mr. Pineda pointed out that the issue of vegetation on the levee toe and right-of-way is not isolated to this community, but is an issue across the nation. Regional flood agencies and public works departments across the country are trying to make levee improvements in order to meet and exceed the FEMA 100-year standards. The FEMA standards are harder to meet now because there is more documentation required and because of the engineering and science that must go into this documentation. He commented that he understood the anxiety expressed by the property owners, but also recognized the need to have the best levee system possible. Mr. Doody noted that this will be a continuing issue because of the national levee certification program going on throughout the country.

PRESENTATIONS:

1. Development of SLFPA-E Strategic Communications Plan – Schulkens Communications and Kim Floyd Communications

Kim Floyd (Kim Floyd Communications) advised that she is partnered with Steve Schulkens (Schulkens Communications) on this task order. The Strategic Communications Plan Development ties into SLFPA-E Strategic Plan Smart Goal 3.2 to develop an effective communications plan and media strategy by December, 2011. Ms. Floyd explained that she brings 17 years of experience to the partnership and that her

experience has focused on public outreach for public and private sector clients. Kim Floyd Communications is headquartered in Sacramento, California. California has 2,200 miles of Federal levees with 1,600 miles of those levees located in California's Central Valley. She discussed some of the similarities of the Central Valley and the New Orleans Metropolitan area and noted that it is said that the Central Valley has the highest flood risk, second to New Orleans. This potential risk coupled with witnessing the events following Hurricane Katrina prompted California voters in 2006 to approve nearly \$5 billion in general obligation bonds to design and implement levee improvements in order to get ahead of the Federal projects. Ms. Floyd stated that she has focused exclusively for the past four years on designing and implementing strategic public outreach programs for levee authorities, levee maintaining agencies and cities and counties responsible for integrated flood management.

Ms. Floyd explained that there is a need to make things clearer in order to effectively communicate flood risk and engage property owners in plans to increase flood protection and in taking individual actions to reduce flood damages. She cited as examples the numerous regional acronyms for agencies and programs on the Federal, State and local levels and the practice of different agencies using different methodologies to evaluate risk. The National Academy of Sciences stated that flood risk should be refined, simplified and communicated consistently and the processes made more accessible to business owners, citizens and decision makers. She stated that this is where the Strategic Communications Plan comes into play.

Ms. Floyd reviewed an overview of the Strategic Communications Task Order. The public relations industry process for developing meaningful, cost effective communications programs (RACE – research, action, communications and evaluation) has been built into the development of the SLFPA-E Strategic Communications Plan. She discussed qualitative public research and explained that focus groups and stakeholder interviews are the two most common forms of qualitative public research. The proposed stakeholder interview process and the focus groups will provide an in-depth understanding of the level of knowledge, interest and assessment of flood risk of the stakeholders, as well as their willingness to make a personal investment either financially or by taking other actions to reduce their flood risks. She stated that this information needs to be known before the Authority can move forward with the pursuit of a higher level of flood protection. The public research will feed into the development of the strategic communications plan.

Ms. Floyd explained that 15 stakeholder interviews split equally between the three parishes are proposed. SLFPA-E staff assisted with the development of targeted members of the community for the interviews, which will be conducted by telephone using the same set of questions. The stakeholder interviews will reach out to underrepresented groups and will attempt to find out the methods and modes of communication successful in their spheres of influence and determine how the Authority can tap into them. The stakeholder interview findings report will assist in the development of research instruments for the focus groups. The three focus groups will be very structured and the members randomly recruited based on screening criteria demographically representative of the community. The findings from the interviews will feed into the development of the moderator's guide for the focus groups and a findings

report will be developed. The findings reports will be evaluated and analyzed and will form the foundation for the development of the Strategic Communications Plan. The Strategic Communications Plan should do the following:

- Guide all communication activities
- Identify how people are informed, about what and why
- Establish clear program activities, strategic and tactical objectives and desired outputs, outtakes and outcomes
- Tie into the Authority's goals and be measurable

Ms. Floyd advised that the SLFPA-E will need to know whether the activities actually impact what people know, think and feel, and how they act. The goal is to increase awareness of residual flood risks. She discussed the evaluation process components:

- Benchmarks - public opinion research
- Outputs - short term surface level types of measurements
- Outtakes – determine if the activities, such as media relations, was received, paid attention, comprehended and retained
- Outcomes – determine whether behavior was actually changed, a difference made in reducing flood risks and public safety improved

Ms. Floyd reviewed the things that she hoped that the Strategic Communications Plan will accomplish:

- For the activities to inform, but not control the conversation
- Increase the awareness of the residual flood risks
- Encourage personal investment in further reducing potential flood damages
- Connect with underrepresented and disadvantaged groups
- Engage stakeholders in the alternatives that improve flood protection and public safety and instill confidence in the Authority to implement the solutions to provide the greatest flood protection benefits

Ms. Floyd addressed the implementation of the Strategic Communications Plan. The Authority currently has communication contracts with Schulkens-Floyd and the Estopinal Group. She stated that Schulkens-Floyd will coordinate with the Estopinal Group through the process in order to keep them in the loop and in order for them to provide input on the development of the plan. The implementation of the plan will be conducted under a separate task order at the purview of SLFPA-E.

Mr. Doody commented on the difficulty in attempting to communicate residual risks to the public and noted that the measureables of this task order will be important. Mr. Barry commented that two of the purposes that would be served by the Strategic Communications Plan would be to assist the Authority with any necessary tax elections and bond issues and with helping the public to recognize and prepare for residual risks. He added that a term other than 100-year protection should be identified to quantify residual risks to the public. Ms. Floyd explained that these programs are not run in California to pass an assessment, but to communicate flood risks. Mr. Doody pointed out the need to communicate reducing personal risk through evacuation and to impress upon local governments the necessity to ensure that building codes are compliant with the desire to reduce future risks.

Mr. Estopinal stated that one of the results that he would like to see from this task order is an evaluation of the Authority's performance on communicating the limits of the flood projection system to the public and on what the public must do to protect themselves and their property from flooding. Ms. Floyd responded that they will be able to identify some of this requested information through the public opinion research.

Mr. Pineda stressed the need to convince elected officials in Washington, D.C., and the decision making officials of Federal agencies that investments in the New Orleans Metropolitan area are worthwhile and that the Authority is doing everything it can to reduce flood risks on the structural and non-structural sides. He commented on public perceptions on flood protection and the Authority that he heard in his visits to New Orleans. He pointed out the mitigation benefit that would occur if the communications plan process slightly increases the number of property owners and renters who purchase flood insurance. The Strategic Communication Plan will lead to recommendations that will be executed through a future task order. He advised that Ms. Floyd was hired through a competitive process to assist with the process of sending flood risk notices required by California state law to property owners protected by State levees. The purposes of the notices were to reduce risks and to reduce State liability should a levee fail. He stated that this campaign is essentially available to the SLFPA-E at no cost. Mr. Turner noted that a requirement in the Project Partnership Agreement between the USACE and the State is that an annual notice be sent to property owners protected by the levee system; however, it is not known at this time whether this requirement will be met by the State or the local entities.

Steve Shulkens commented on the expertise that Ms. Floyd will provide to this task order.

COMMITTEE REPORTS:

Finance Committee: Mr. Estopinal reported that the Finance Committee met on November 4th and discussed the Orleans Levee District (O.L.D.) SLIP tax millage and the renewal quotes received for O.L.D. health care insurance coverages. The O.L.D. was requested to obtain additional quotes for comparison. He noted that if coverage is changed to another provider, the O.L.D. will lose its grandfather status and will become subject to all of the new requirements of the new health care reform law.

Operations Committee: Mr. Wittie reported that the Operations Committee met on November 4th and discussed the following items:

- Design Engineering, Inc. contract for seawall rehabilitation work - This matter will be discussed by the Board in Executive Session.
- Levee Information Management System (LIMS) – A presentation was received relative to the Emergency Management Module. The collection of information for the LIMS was discussed. The Committee concurred with the submittal of an application for the 2015 Project "Hurricane Risk and Safety Module", which would be a 50/50 cost share project with the Dutch government.

- Selection of Ben C. Gerwick, Inc. for the New Orleans Land Bridge (Chef to Rigolets) Project Study – Mr. Wittie advised that a resolution was placed on the agenda for the approval of this selection. He pointed out that the project area is an important part of the system dealing with coastal restoration and protection.
- NOLA Rising Floodwall Mural – Representatives of NOLA Rising requested the Board's support for the floodwall mural project. The Committee agreed that NOLA Rising should be allowed to proceed in the restricted area, subject to receipt of proof of the appropriate insurance coverages and a permit from the City of New Orleans. A resolution has been placed on the agenda for the approval of this item.
- Operation of the London Avenue, Orleans Avenue and 17th Street Canal Outfall Canal Pumps – The responsibility for operating the pump stations was discussed. Mr. Wittie pointed out that a written plan should be developed relative to the operation of the pump stations.

Legal Committee: Mr. Barry advised that the Legal Committee did not meet in November. A resolution to approve legal invoices has been placed on the agenda.

CPRA/Governmental Affairs: Mr. Barry commented on the difficulty in attempting to achieve the shifting the O&M of the IHNC system navigation gates to the USACE. The O&M of the navigation gates would, in effect, give the Authority and local levee districts control over interstate commerce. The navigation gates are holes in the flood protection structure for the maritime industry. He advised that an attempt will be made to get something through Congress on this issue in the lame duck session. Mr. Doody pointed out that the IHNC O&M issue must be a top priority of the Congressional Delegation. If the IHNC surge barrier was strictly a flood protection structure, the holes in the system caused by the navigation gates would not exist. The USACE is tasked with the O&M of maritime structures and is agreeable to taking on the O&M of the IHNC system navigation gates provided it receives the Federal funding to do so. The most recent best guess annual estimate to operate and maintain the Seabrook, Bayou Bienvenue and GIWW gates is \$600,000; however, this estimate may increase.

Engineering Advisory Committee: Mr. Estopinal reported on the Engineering Advisory Committee activities on behalf of Committee Chair Tom Jackson. The Committee met on November 4th and discussed the following items:

- Corrosion protection for the St. Bernard T-Wall Project – The CPRA will issue a letter relative to its position on this issue.
- Outfall canal floodwalls – The Committee noted a lack of creative contemplation relative to the outfall canal floodwalls. If the permanent pumping stations are constructed at the lake end of the canals with gates to prevent storm surge from entering the canals, the outfall canal floodwalls would no longer provide storm surge protection. The canals would then be converted into storm water conveyance structures. At that time the question should not be how high should the safe water elevation be, but how low can the water elevation in the canals be maintained and still convey storm water from the interior pump stations to the lake end pump stations. The Sewerage and Board (S&WB) is responsible for conveyance in the canals and for developing a hydraulic grade line. Mr. Jackson recommended at the

Committee meeting that the floodwalls be lowered to perhaps a foot above the safe water elevation. Should the safe water elevation of 8-ft. be exceeded from 8 to 12-ft., there could be a potential for a catastrophic failure with catastrophic flooding. However, if the floodwall has a freeboard that can be overtopped without failing, then an overtopping would occur along the length of the floodwall. The hydraulic evaluations that are needed deal with the conveyance of water and are outside of the USACE's studies, since its mission is to build surge protection. The Committee discussed this issue extensively, as well as the issue of the S&WB's future excavation of the canals, and will attempt to obtain more information.

- USACE modeling – The Committee discussed some general review of the modeling process. Robert Jacobsen will assist with questions relative to residual risks under Taylor Engineering, Inc.'s current ID-IQ contract with the Authority.

Avi Ben Basat, Vice President of NOLA Rising United Artist Front, thanked the Board for considering allowing NOLA Rising to proceed with the proposed painting of a mural on the floodwall located in the Lower Ninth Ward. NOLA Rising is a non-profit public arts initiative started after Hurricane Katrina. He described some of NOLA Rising's public art projects in New Orleans to beautify areas of the city and to lift public spirits.

REGIONAL DIRECTOR'S REPORT:

The Regional Director's Report is appended to the minutes. Mr. Turner advised that the first notice of completed construction was received for the Bonnabel Breakwater Project. The official notice of completion is sent to notify the local sponsor that it is required to start the O&M process. The Authority will need to consult with the CPRA on how to proceed with this particular project and with future projects as they are completed.

Mr. Turner congratulated Mr. Pineda for being given the William H. Hall Flood Control Award on September 9th by the Sacramento section of the American Society of Civil Engineers.

EXECUTIVE SESSION:

1. Discussion of settlement of accident claim between Amtrak and East Jefferson Levee District.
2. Report on proposed amendment to Design Engineering, Inc.'s contract.

A motion was offered by Mr. Barry, seconded by Mr. Barnes and unanimously adopted, for the Board to convene in Executive Session to consider the items listed on the Agenda. The Board convened in Executive Session at 12:03 p.m.

A motion was offered by Mr. Estopinal, seconded by Mr. Wittie and unanimously adopted, for the Board to reconvene in regular session at 1:35 p.m.

RESOLUTION #11-18-10-04 - LEGAL ACTION

On the motion of Mr. Pineda,

Seconded by Mr. Estopinal, the following resolution was offered:

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection-East (SLFPA-E) approves the recommendation offered in Executive Session from the East Jefferson Levee District Executive Director and SLFPA-E Legal Counsel in the case of Amtrak vs. East Jefferson Levee District.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

RESOLUTION #11-18-10-05 - LEGAL ACTION

On the motion of Mr. Pineda,
Seconded by Mr. Estopinal, the following resolution was offered:

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection-East (SLFPA-E) approves the amendment of the contract with Design Engineering, Inc. and authorizes the SLFPA-E President to sign the amended contract subject to approval by the Executive Director of the Orleans Levee District, SLFPA-E President and SLFPA-E General Counsel.

The foregoing was submitted to a vote, the vote thereon was as follows:
YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

RESOLUTION #11-18-10-06 - SELECTION OF BEN C. GERWICK, INC. FOR NEW ORLEANS EAST LAND BRIDGE STUDY

Mr. Turner requested that the verbiage “issue and execute a task order” in the second RESOLVED paragraph of the resolution be changed to “negotiate the scope of work for a task order”. He added that the completed scope of work would be brought to the Board for approval before the task order is executed. The Board concurred with the requested amendment to the resolution.

On the motion of Mr. Estopinal,
Seconded by Mr. Wittie, the following resolution was offered:

WHEREAS, the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) is the recipient of a Grant under the State of Louisiana Community Development Block Grant (CDBG) Disaster Recovery Program in the amount of \$900,000 as a part of a Local Governmental Infrastructure Program; and

WHEREAS, the State of Louisiana Office of Community Development approved the application for the aforementioned CDBG, which specified the projects to be accomplished with said funding, along with a cost for each project; and

WHEREAS, the application for CDBG funding included professional services to conduct a study for the Fortification of the New Orleans East Land Bridge (Chef to Rigolets) at a cost of \$229,000; and

WHEREAS, the SLFPA-E currently has an Indefinite Delivery-Indefinite Quantity (ID-IQ) Contract with Ben C. Gerwick, Inc., which can be utilized for the New Orleans East Land Bridge (Chef to Rigolets) Study.

BE IT HEREBY RESOLVED, that the SLFPA-E approves the selection of Ben C. Gerwick, Inc. for the Fortification of the New Orleans East Land Bridge (Chef to Rigolets) Study under the CDBG Program.

BE IT FURTHER RESOLVED, that the SLFPA-E Regional Director is authorized to negotiate the scope of work for a task order with Ben C. Gerwick, Inc. for the Fortification of the New Orleans East Land Bridge (Chef to Rigolets) Study at a cost not to exceed \$229,000.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

RESOLUTION #11-18-10-07 - REQUEST FOR THE USACE TO PREPARE OUTFALL CANAL DESIGN TEMPLATES

Mr. Doody commented that information was provided on this issue during the Engineering Advisory Committee report. Mr. Turner advised that the USACE seems receptive to the idea; however, no commitment was received. The S&WB has a minimum hydraulic template that can be coordinated with the template requested from the USACE.

On the motion of Mr. Wittie,

Seconded by Mr. Estopinal, the following resolution was offered:

WHEREAS, the U.S. Army Corps of Engineers (USACE) has selected an 8-ft. elevation as the required Safe Water Elevation (SWE) for the 17th Street, Orleans and London Avenue Outfall Canals; and

WHEREAS, the USACE has retained consultants to prepare Plans and Specifications for the necessary remediation work to insure that stability, seepage and other design issues are addressed in order to accommodate an 8-ft. SWE; and

WHEREAS, the Sewerage and Water Board of New Orleans (S&WB) has a minimum cross section Flow Template configuration to provide for adequate hydraulic flow conditions within the canals; and

WHEREAS, future maintenance dredging and natural erosion processes within the three outfall canals could potentially impact the stability of the canals floodwalls.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection-East hereby requests that the USACE to prepare Outfall Canal Design Templates that

will plan for future dredging of silt deposit buildups such that they insure that the banks of the canals are never cut back so far as to threaten the integrity or stability of the adjacent canal floodwalls.

BE IT FURTHER RESOLVED, that the USACE coordinate the Design Templates with the Flow Template required by the S&WB.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

RESOLUTION #11-18-10-08 - OUTFALL CANAL FLOODWALLS

Mr. Doody clarified that this is an investigation into the benefit of potentially lowering the height of the floodwalls. The intent of the resolution is to request that the appropriate entities begin a dialog on this important issue.

On the motion of Mr. Wittie,

Seconded by Mr. Barry, the following resolution was offered:

WHEREAS, after Hurricane Katrina the U.S. Army Corps of Engineers (USACE) constructed Interim Closure Structures (ICS) at the lake end of the Orleans Avenue, London Avenue and 17th Street Outfall Canals and installed temporary pumps at each ICS to pump storm water from the canals when the temporary gates are closed; and

WHEREAS, the USACE is proceeding with the construction of the Option 1 Permanent Pumping Stations with gated structures, which will replace the ICS at each of the aforementioned outfall canals; and

WHEREAS, the gated structures at the lake end of the outfall canals effectively seal the canals from storm surge from Lake Pontchartrain; and

WHEREAS, the interior pump stations which drain into the outfall canals must be operated in tandem with the pumps located at the lake end of the canals; and

WHEREAS, the USACE is in the process of designing remediation, which will include deep soil mixing, driving sheetpile and increasing the earthen embankment in certain reaches as needed, to strengthen the floodwalls along the aforementioned outfall canals in order to address seepage and stability issues; and

WHEREAS, the USACE's engineering analyses and remediation designs are to ensure the stability of the outfall canal floodwalls necessary to accommodate a safe water elevation of +8-ft.; and

WHEREAS, the height of the floodwalls along the outfall canals exceed the height of the safe water elevation and at some reaches are at an elevation of approximately +12-ft.; and

WHEREAS, the Engineering Advisory Committee of the SLFPA-E has recommended that consideration be given to the concept of lowering the height of

the outfall canal floodwalls to some level above the safe water elevation of +8-ft. in order to prevent the potential for a breach in the event the safe water elevation is violated by the operation of the pumping system.

BE IT HEREBY RESOLVED, that the Southeast Louisiana Flood Protection Authority-East (SLFPA-E) supports the investigation of the concept of lowering the height of the floodwalls along the Orleans Avenue, London Avenue and 17th Street Outfall Canals to some level determined appropriate above the safe water elevation of 8-ft. to prevent the potential for a sudden breach failure under certain conditions.

BE IT FURTHER RESOLVED, that the SLFPA-E requests that the appropriate entities with jurisdiction and responsibility for flood protection and storm water drainage, including the U.S. Army Corps of Engineers, the Louisiana Office of Coastal Protection and Restoration, the Sewerage and Water Board of New Orleans and Jefferson Parish, begin a dialog with the SLFPA-E on this critical issue.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie

NAYS: None

ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

4. Discussion of the issuance of a task order to examine residual risk concerns within the SLFPA-E jurisdiction raised by the USACE's modeling effort.

Mr. Estopinal advised that this item is a result of concerns expressed by Stradford Goins at a previous meeting about the modeling performed by the USACE. He stated that Robert Jacobsen with Taylor Engineering, Inc., an ID-IQ coastal engineering contract consultant, may be able to address and satisfy the risk assessment.

Mr. Barnes was asked to comment on his review of information recently submitted by Mr. Goins to the SLFPA-E. Mr. Barnes indicated that a peer review had been conducted by two highly respected organizations, which were positive in their comments. He stated that he felt comfortable with the USACE's effort; however, he suggested that another look could be taken at the peer reviews.

Robert Jacobsen explained that there are a number of ways to categorize winds and different types of wind estimates are used for different calculations for different purposes. The Saffir-Simpson Scale uses a one minute average wind. Wind stress on water for the purpose of calculating how high the wind will push up the water is done with a 10 minute average wind. A 30 minute average wind is used to generate an atmospheric regional scale model that will estimate winds generated in a vortex generating model. Additional calculations are used to reduce these winds depending on tree and building sheltering. The USACE uses a technique that utilizes one hour winds for calculating particular effects on a small enclosed channel, such as the IHNC or 17th Street Canal. A question that was brought up dealt with the 30 minute wind average used by the vortex generating program to generate the model's 152 storms. The typical method to estimate a one minute wind (Saffir-Simpson Scale) is to multiply the 30 minute winds by 1.24. He suggested that these are the types of issues that the Authority needs to have someone review, explain the methodologies and advise

whether the proper calculations have been performed in accordance with accepted engineering practices. Another question that could be addressed concerns how the USACE dealt with uncertainties (the number of standard deviations). He pointed out that the Authority will accept responsibility in the future for these types of matters as the recertification process comes up every ten years. The Authority and staff should become comfortable with the technologies and models so that they can continue to assess the viability of the system. He noted that there are 110-plus links in the chain. The Authority should understand the status and design life of each link and when different links in the chain potentially become a subject of concern. All of the 152 storms used to generate the analysis of a one percent event were Category 3 or higher as they approach the coast line and degraded slightly once they actually came on shore. Mr. Jacobsen reiterated that the Authority should satisfy itself as to how the calculations measure up so that in going forward it can continue to analyze the various links in the chain and prioritize future decisions.

Mr. Jacobsen advised that two points brought up in the Engineering Advisory Committee meeting related to understanding how the models were validated and the sources of relative certainty and uncertainty. He pointed out that the models were validated with Hurricane Katrina and that the extensive documentation for this validation is contained in the backup documents for the FEMA flood insurance study. There is an extensive amount of documentation as to how well the models performed in replicating what was observed in Katrina. He stated that he would help the staff, Committee members and other interested individuals understand the how well these models performed, as well as understanding the performance of models historically and their ability to match the hind-cast of an event and predict future events.

Mr. Jacobsen pointed out that the National Academy of Sciences reviewed both the LaCPR and IPET reports; however, it did not get into the details of how the models were done and what parameters were used. The National Academy mentioned in its general overview of the IPET report that strictly communicating risks on the basis of probability was difficult for many people to comprehend. It recommended that in using this model to explain residual risk to the public that scenarios be developed that the public would understand; for example, how would the system perform in a Hurricane Betsy, Katrina or Gustav-type event and in using these historical events with different scenarios (different tracks or speeds). A probabilistic approach is needed in the basic fundamental decision framework; however, it is not always the best communication tool. He suggested that he and Mr. Turner confer with Kim Floyd on the communication of residual risks in terms of benchmarks that the public can understand.

Mr. Turner explained that he had not seen any indications of a fatal flaw in anything that he had reviewed with regards to the hydraulics and hydrology (H&H). Many people have looked at the H&H package, which is undergoing independent external peer review. Mr. Doody requested that Mr. Turner and Mr. Jacobsen work together to determine the issues that needs to be verified or addressed.

Mr. Barry asked the reason for using a 10-year rain event in calculating the 100-year storm event in the IHNC calculations. Mr. Turner responded that part of the reason is that the S&WB cannot pump more than a 10-year rain event into the IHNC. Mr.

Jacobsen advised that his primary roll had been to look at the external H&H issues associated with the surge events. A task order has been issued to Taylor Engineering to look at potential future compartmentalization projects and benefits versus costs versus other priorities.

Mr. Jacobsen commented that the Engineering Advisory Committee and the SLFPA-E communications consultant could provide valuable input in residual risk communication. He pointed out that no one storm event places 500-year risk throughout the entire system. Storm event scenarios could be developed using historical events to demonstrate different risks; for example, an extreme storm event that presents greater than 500-year risk at specific locations along the system.

Mr. Pineda commented that using the same criteria he would be interested in knowing the profile throughout the system to obtain an idea of the additional height that the system would have to be raised for a 500-year level of protection. John Greishaber with the USACE explained that an honest effort to determine the information for a 500-year system would take a rigorous approach and that it would take a monumental effort to reproduce the equivalency to the rigorous solution that was run for the 100-year level. Mr. Jacobsen pointed out that the 500-year surge estimate is listed in the USACE H&H elevation documents for every 100-plus reaches in the system and that the standard deviation number is listed in another document. The USACE also has the wave numbers. He stated that he did not think that the information requested would require any new runs on the supercomputer, but just a tabulation of some previous outputs. Mr. Greishaber asked whether the information described by Mr. Jacobsen was what Mr. Pineda was requesting or was he asking what would have to be built for 500-year protection. Mr. Pineda stated that eventually he would want to know what would have to be built; however, he was willing to take the information in incremental steps.

RESOLUTION #11-18-10-09 - APPROVAL OF LEGAL INVOICES

On the motion of Mr. Barry,
Seconded by Mr. Wittie, the following resolution was offered:

WHEREAS, the legal invoices submitted to the Southeast Louisiana Flood Protection Authority-East (SLFPA-E), East Jefferson Levee District, Lake Borgne Basin Levee District and Orleans Levee District listed on the spreadsheet entitled "Legal Invoices Approved on November 18, 2010", have been reviewed and approved by the appropriate levee district Executive Director, the SLFPA-E Regional Director and the SLFPA-E General Counsel, Robert Lacour; and

WHEREAS, the aforementioned invoices were submitted to the members of the Legal Committee for review.

BE IT HEREBY RESOLVED, that the legal invoices listed on the spreadsheet entitled "Legal Invoices Approved on November 18, 2010" are hereby approved.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

Discussion of update to SLFPA-E 2008 Strategic Plan.

Mr. Pineda explained that he met with Robert Turner and the levee district executive directors on October 22nd and discussed the SLFPA-E Strategic Plan approved in March, 2008. He stated that the Strategic Plan should be updated about every two years. Clean and red lined versions were distributed of the recommended changes to the Strategic Plan offered in the October 22nd meeting. Completed items in the 2008 version of the plan were stricken. He asked that Board members review the draft changes to the plan and provide comments and recommendations. He recommended the establishment of a working group. The working group would include Mr. Pineda, the SLFPA-E Regional Director, the levee district executive directors and other individuals interested in participating in monthly teleconference meetings on the proposed changes.

RESOLUTION #11-18-10-10 - NOLA RISING FLOODWALL MURAL

On the motion of Mr. Estopinal,
Seconded by Mr. Barry, the following resolution was offered:

WHEREAS, NOLA Rising United Artist Front, Inc. is proposing a mural project for the Lower Ninth Ward Industrial Canal floodwall between Derbigny Street to Florida Avenue; and

WHEREAS, the centerpiece mural, 12 feet high and 30 feet long, is the first section in a series of future sections to be painted; and

WHEREAS, a community advisory committee will select the final mural designs to present to Southeast Louisiana Flood Protection Authority – East (SLFPAE) and the Arts Council of New Orleans for approval.

BE IT HEREBY RESOLVED, that the Orleans Levee District, as the property owner, is hereby authorized to allow NOLA Rising United Artist Front, Inc. to proceed with the project provided that all of the City of New Orleans mural permit specifications are met.

The foregoing was submitted to a vote, the vote thereon was as follows:

YEAS: Mr. Barnes, Mr. Barry, Mr. Estopinal, Mr. Pineda and Mr. Wittie
NAYS: None
ABSENT: Mr. Goins, Mr. Jackson and Mr. Losonsky

The next regular monthly Board meeting will be held on December 16, 2010.

There was no further business; therefore, the meeting was adjourned at 2:15 p.m.

SOUTHEAST LOUISIANA FLOOD PROTECTION AUTHORITY - EAST

REGIONAL DIRECTOR'S REPORT

November 18, 2010

100 Year Level of Protection

Inner Harbor Navigation Canal Hurricane Storm Surge Barrier:

The Contractor continues to make good progress. Overall design is approximately 100% complete. Major construction activities are about 78% complete. Our emphasis continues to be Operation & Maintenance considerations and the necessity to "design in" reasonable O&M features.

All of the 66" diameter concrete piles and closure piles have been driven. All of the batter piles (645) have been driven with no major difficulties. All precast caps (337) have been set and all sections of the parapet wall have been erected. Cast in place "gaps" have also been completed. The entire wall is now at final elevation.

All 26 castings on the north T-wall are complete and all 24 castings of the south T-wall are complete.

The Barge Gate area has been flooded and all navigation traffic is being routed through the Barge Gate Structure (as of August 16, 2010).

The GIWW Barge keel slab is complete. The barge's lower walls are 90% complete and the mid deck is 30% complete.

The cofferdam at the Sector Gate location has been dewatered and work has begun on the leveling course. Steel gate leaf fabrication is ongoing.

Construction on the first of eleven wall castings for the Bayou Bienvenue Lift Gate Structure began during the first week of November 2010.

Bayou Bienvenue will remain closed to all navigation at the Project site due to lift gate construction.

East Jefferson Levee District:

Reach 1:

The Work is substantially complete. Turf establishment issues still remain.

Reach 2:

The Work is approximately 95% complete. The Red Zone Meeting was held October 26, 2010.

Reach 3:

The Work is approximately 99% complete. Clearview Park has been restored to pre-construction condition. Turf establishment issues still remain.

Reach 4:

The Work is substantially complete. Turf establishment issues still remain.

Reach 5:

The Work is approximately 99% complete. Utility relocations at the Coast Guard Station will be completed by the USACE hired labor crews outside of hurricane season.

Bonnabel Breakwater Project:

The Notice of Construction Complete Letter for this Project has been transmitted by the USACE to CPRA, copied to EJLD.

Duncan Breakwater Project:

Work is substantially complete. Final inspection was conducted on October 27, 2010.

Williams Blvd. Floodwall and Gate:

Work is substantially complete. The delivery of the winch is still outstanding. The final inspection will be scheduled for late November or early December 2010.

Bonnabel Floodwall and Gate:

Work is substantially complete. Final inspection will be scheduled in Early December 2010.

Pump Station Fronting Protection:

The Work is approximately 15% complete. Dredging is ongoing at the Suburban Pump Station.

LPV 017.2 (Causeway Crossing):

Contractor was given the NTP on October 18, 2010. The pre-construction meeting was held on November 3, 2010 and partnering meeting was held on November 10, 2010.

West Return Levee/Floodwall - North:

Work is approximately 5% complete. The Contractor is clearing and grubbing along the levee/wall alignment and dredging in the Parish Line Canal.

West Return Levee/Floodwall - South:

Contract Award is under protest. The protest period could last into January 2011.

Foreshore Protection Reaches 1 and 2:

Contract Award protest has been lifted and the NTP was issued on November 8, 2010.

Foreshore Protection Reaches 3 and 4:

The Contractor is mobilizing on site and installing safety fence and the turbidity curtain.

West Return Levee (Airport Runway):

The pre-construction conference was held on October 28, 2010. The first progress meeting will be held on November 18, 2010 on the project site.

Orleans Levee District:

LPV 101.02 (17th St. Canal to Topaz Street):

Construction is approximately 64% complete and the Project is scheduled for completion before June 2011. The Work is approximately 11% behind schedule. The aesthetic quality of the wall finish has been poor and we have requested the USACE to require the Contractor to make the appropriate repairs. Construction has been hindered by lake water seepage under the parking lot area. A "fix" to the seepage problem is being finalized by the USACE.

LPV 102.01, 103.01, and 104.01

Projects are 100% complete.

LPV 103.01 A1 (Bayou St. John):

Construction is now about 95% complete.

LPV 103.01 A2 (Rail Street and Lake Terrace Flood Gate):

Construction is approximately 35% complete. Lakeshore drive is closed at Rail St.

LPV 104.01 A (Ramp Crossings – Lakeshore Dr.):

Construction is approximately 81% complete. All roadway ramps will be open to traffic on or before November 18, 2010. Turf establishment is still required.

LPV 104.02 (Seabrook West Side IHNC):

This project includes the construction of a new T-Wall. Construction is approximately 59% complete. The UNO Ramp will undergo consolidation for approximately 3 more months before it is paved.

LPV 104.02A (Retrofit of Wall and Floodgate South of W-40):

100% Plans and Specs were completed in mid June 2010. This Project will be completed as part of IHNC-01 (Seabrook). The ROE for the N.S. Railroad right-of-way is still pending.

LPV 105.01 (Lakefront Airport T-Wall West):

Construction is approximately 12% complete. The cofferdam at Downman Rd. has been removed and the roadway is expected to reopen to traffic in the week of November 22, 2010.

LPV 105.02 (Lakefront Airport T-Wall East):

Construction is approximately 33% complete.

LPV 106 (Citrus Lakefront Levee):

Construction is approximately 29% complete.

LPV 107 (Lincoln Beach Floodgate):

Construction is approximately 35% complete.

LPV 108 (New Orleans East Lakefront Levee):

The Project is substantially complete. USACE hired labor crews are now working this Project. Final punch list items have not yet been addressed.

LPV 109.02a (South Point to CSX Railroad – Levee Embankment):

Construction of the Project has been combined with LPV 109.02c (HWY 90 and HWY 11 floodgates). Construction is about 33% complete.

LPV 109.02a1 (South Point to CSX Railroad - Wick Drain Test Section):

Construction is 100% complete.

LPV 109.02a2 (South Point to CSX Railroad – Drainage Blanket):

Construction is 100% complete.

LPV 109.02b (South Point to CSX Railroad - I-10 Crossing):

Construction is approximately 46% complete. I-10 west bound traffic has been rerouted onto the newly constructed temporary bridge and raised ramp. Bridge inspection will be done every Saturday morning at 5:00 am.

LPV 109.02c (South Point to CSX Railroad – Hwy 90 and Hwy 11 Floodgates):

Construction will be done under LPV 109.02a. Deep Soil Mixing operations are underway. Pile driving activities will begin in the week of November 22, 2010.

LPV 110 (CSX Railroad Crossing):

The Contractor has mobilized on site. Demolition of concrete slope paving is underway. Work drive sheet pile will begin after December 1, 2010. Construction is about 1% complete.

LPV 111.01 (North Side GIWW):

The contract includes construction of levee sections using deep soil mixing techniques. Work is progressing on schedule and is approximately 52% complete.

LPV 111.02 Pump Station 15 Fronting Wall:

Work is progressing on schedule and is about 20% complete.

LPV 111.03 Tie-in to IHNC:

The Project consists of about 1000' of new T-Wall. 87% of H-piles have been driven. 95% of sheet piles have been driven. 66% of the monoliths have been completed.

LPV 113 (NASA):

Construction is approximately 99% complete. Pre-final inspection was conducted in the first week of October 2010 and the Contractor is working on the punch list. Cracks in levee section are being investigated by the USACE.

Seabrook Structure:

95% P&S are complete. Final P&S is scheduled for completion in December 2010.

Piles for the west side T-Wall are now being driven. Clearing and grubbing work is underway on the east side. The Contractor has begun filling the scour hole in the IHNC on the protected side of the proposed Seabrook Structure. The IHNC is now completely closed to navigation at the construction site.

Outfall Canal Remediation to Raise SWE to +8.0:

Plans are under review for portions of the London Ave, Orleans and 17th St. Canals and are being reviewed by our Consultant (Halcrow, Inc.). Contract Award for Construction of 3 of the 4 packages is scheduled for mid December 2010. Work is scheduled for completion on or before June 1, 2011.

IHNC Remediation:

A public hearing was held by the USACE on November 8, 2010 to discuss and accept comment on the IER for this Work.

Lake Borgne Basin Levee District:

LPV 144 (Bayou Dupre Control Structure):

Overall, the Work is approximately 32% complete. Construction is about 6% behind schedule. Bayou Dupre will be closed to navigation at the existing Control Structure until April 2011.

LPV 145 (Bayou Bienvenue to Bayou Dupre):

The USACE has instructed the Contractor to use uncoated steel sheet piles and H-piles on this project in order to meet schedule demands. Construction is approximately 79% complete. The Work is approximately 3% ahead of schedule.

A swing bridge will be constructed at Bayou Bienvenue for O&M access.

LPV 146 (Bayou Dupre to Verret):

The USACE has instructed the Contractor to use uncoated steel sheet piles and H-piles on this project in order to meet schedule demands. The Work is

approximately 61% complete and 3% ahead of schedule. The stem section of one of the T-Wall monoliths (#633) will have to be broken out and replaced due to bad concrete.

The emergency by-pass ramp for LA HWY 46 will be constructed under the LPV 146 Contract.

LPV 147 (LA Hwy 46 Flood Gate):

The Work is approximately 54% complete.

The LA Hwy 300 Flood Gate will be constructed under the LPV 148.02 Project.

LPV 148.02 (Verret to Caernarvon):

The USACE has instructed the Contractor to use uncoated steel sheet piles and H-piles on this project in order to meet schedule demands. Construction is approximately 17% complete.

Contrary to St. Bernard Parish's objection, the USACE has determined that the Creedmore Drainage Structure is no longer needed and will be removed from the Project without replacing the Structure's drainage capacity.

LPV 149 (Caernarvon Floodwall – Lake Borgne Basin Levee District):

The Work is approximately 44% complete and about 3% ahead of schedule.

Permanent Pump Stations and Outfall Canals:

The "short list" of the Consultants who submitted on the Phase I RFP has been finalized.

The Phase II RFP has been issued and the short-listed firms have turned in preliminary design submittals. Award of the Design-Build Contract is scheduled for late April 2011.

All three Pump Stations will undergo Independent External Peer Review.

Elevation Map:

The USACE has published a map showing the 100 year level of protection elevations for the hurricane protection levee system in the metro New Orleans area. The elevations depicted are current as of June 2010. The map can be found at the following web address:

<http://www.mvn.usace.army.mil/hps2/pdf/riskstatusmap.pdf>

Coastal Protection and Restoration

Lake Borgne Basin Levee District:

The Violet Freshwater Diversion siphon stopped operating on November 3, 2010 due to low river conditions.

Flood Fight

The Mississippi River is below 3' at the Carrollton Gage and is predicted to remain around 3' for the next 28 days.

Design and Construction

East Jefferson Levee District:

Work is continuing on the EJLD Safe House. The Architect has submitted a draft of the "Existing Conditions Assessment". EJLD meets with the A/E about twice a month.

Orleans Levee District:

Construction of the OLD Safe House Project began in January 11, 2010. The Project is approximately 67% complete. The Contractor has fallen behind schedule, but lately progress continues to show improvement.

The Bayou St. John Water Management Study is approximately 17% complete. This Project is being funded through State Capital Outlay.

The Orleans Levee District Benchmark and Organization Study is nearly complete. The final report is pending.

The Tier 2 Environmental Inventory is approximately 95% complete.

Dr. Lorenzo continued field tests in October and has provided a status report.

Lake Borgne Basin Levee District:

Work has begun on the Violet Canal Closure Structure Improvement Project. The construction access road has been constructed and sheet piles have been delivered to the site.

FEMA has written a PW and has obligated funds for pump repairs at Pump Station #6 (\$360,000). LBBLD will bid the work after hurricane season.

The Emergency Work required to address the seepage issue at Pump Station #3 has been completed. Sheet piles were driven to construct a temporary

cofferdam to isolate 2 of the three discharge tubes. Seepage stopped after the cofferdam was dewatered. An RFQ for the design of the permanent fix to seepage at Pump Stations 2 and 3 was advertised and all Statements of Qualifications submitted were evaluated. A short list of Consultants has been prepared and interviews will be conducted before a final selection is made.

LBBLD is negotiating with W.R. Nelson for the preparation of plans and specs for a remote control system to operate the pumps at Pump Station 2 from Pump Station 6, and Pump Station 3 from Pump Station 7.

Burk-Kleinpeter has been selected as the A/E for the Engine Replacement Project at Pump Station 1 or 4. Scope of Work and fee negotiation is complete. Contract execution is pending legal review.

The USACE will issue a Contract to repair the right angle gear drives at Pump Station 8. The drives were improperly repaired by the USACE's Contractor post Katrina.

OCPR has begun preparation of Plans and Specifications for the Violet Canal Dredging Project (Phase II). LBBLD is working to secure the necessary right-of-ways.

The Fortification Canal Bank Repair Project is nearing completion. An inspection was conducted and a punch list prepared on November 12, 2010. Final inspection is scheduled for the week of November 15, 2010.

OCPR has requested LBBLD to perform routine O&M on the Hopedale Gravity Drainage Structure. All O&M expenses would be reimbursed by OCPR. Major Maintenance would remain the responsibility of the OCPR.

Internal Affairs

The USACE intends to make modifications to the existing canal floodwalls to achieve a minimum safe water elevation of 8' in all three canals. Our ID/IQ Consultant, Halcrow Inc. continues to review the Safe Water elevation Reports and the designs for the remediation work proposed by the USACE.

We now have four inspectors working with us provided by OCPR. We have developed a management plan to establish procedures for interaction between the USACE, OCPR and SLFPAE during project construction. We are still awaiting USACE concurrence. We have been getting addition technical assistance from OCPR staff, LDOTD staff, and PBS&J (through an ID/IQ contract with OCPR).

The Emergency Module for Floodgate Management is complete and a demonstration was given at the last Operations Committee Meeting. Training will be scheduled within the next two weeks.

We have submitted a revised Construction Coordination Plan to HPO and met with HPO staff to begin discussion on the Plan. Another meeting will be scheduled after HPO has reviewed the plan to resolve any issues. The Plan seeks to outline responsibilities of all parties and provide a means to maintain clear and open communication. Particular attention was placed on the “Red Zone” or Project Closeout Process.

OCPR sent a letter to the USACE on November 10, 2010 stating their support of SLFPA-E’s Board Resolution #09-16-10-02 regarding corrosion protection.

Royal Haskoning has submitted a potential SLFPA-E Project for funding through Flood Control 2015. The Project is called “Hurricane Risk & Safety Module for New Orleans Levee System”. If approved, the Dutch will provide 50% of the cost associated with the work.

New Contracts:

OLD – Shelly Midura – Grant Writing and Administration, not to exceed \$45,000.

Hurricane Preparedness

Preparation for the 2010 Hurricane Season began in earnest in April 2010. The Emergency Manuals for all Districts were updated and forwarded to all appropriate parties and the following tasks were completed:

- Inventory of emergency supplies has been completed
- Orders for required durable goods have been placed and plans have been made for the acquisition of perishables as needed
- Vendor contact information has been updated
- The annual Hurricane Preparedness Staff Meeting has been held at each District
- The Heavy Equipment Inventory has been updated and forwarded to OCPR as part of the interagency cooperative resource sharing plan

We are conducting radio checks of our emergency radio system and monitoring weather conditions in the tropics.

We are monitoring the Construction Projects throughout the LPV System and the USACE/Contractor’s emergency closure plans that must be executed in case of an approaching storm.

We continue to inspect our levees and immediately correct any deficiencies.

Hurricane Season officially ends on the last day of November.