

***SEWERAGE & WATER BOARD OF NEW ORLEANS***  
**COMMITTEE ON INFRASTRUCTURE**  
**REVISED**

**WEDNESDAY, AUGUST 6, 2014**

**9:00 AM**

**COMMITTEE MEMBERS**

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Mrs. Kerri Kane, Chair • Mr. Alan Arnold • Dr. Tamika Duplessis • Mr. Joseph Psychaud • Mrs. Kimberly Thomas

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**FINAL AGENDA**

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**ACTION ITEMS**

1. Approval of Previous Report
2. Septage Waste Program
3. Louisiana Avenue SELA

**EDUCATIONAL REPORT**

- ☐ Consent Decree

**INFORMATION ITEMS**

4. Award of Green Infrastructure Project – Rabouin International High School Green Infrastructure Lab
5. Differences in the Drainage Capital Program Between 2013 and 2014
6. 2014 Committee/Board Meeting Schedule
7. Any Other Matters
8. Reference Material (**In Binders**)
  - A. Sewerage and Water Board By-Laws
  - B. 2014 Operating & Capital Program
  - C. Strategic Plan
  - D. Tracking Tool for Commitments to the City Council
  - E. Bond Rating
9. Adjournment



**"RE-BUILDING THE CITY'S WATER SYSTEMS FOR THE 21<sup>ST</sup> CENTURY"**

# **Sewerage & Water Board OF NEW ORLEANS**

**MITCHELL J. LANDRIEU, President**  
**WM. RAYMOND MANNING, President Pro-Tem**

**625 ST. JOSEPH STREET**  
**NEW ORLEANS, LA 70165 • 504-529-2837 OR 52W-ATER**  
**www.swbno.org**

Wednesday, July 02, 2014

**TO THE HONORABLE PRESIDENT AND MEMBERS OF THE SEWERAGE AND WATER BOARD OF NEW ORLEANS**

Mesdames and Messieurs:

The **Infrastructure Committee** met on Wednesday, July 02, 2014 in the 2<sup>nd</sup> Floor Board Room, 625 St. Joseph Street, New Orleans, LA. with Mrs. Kerri Kane, Dr. Tamika Duplessis, Mrs. Kimberly Thomas, Mr. Alan Arnold, and Mr. Joseph Peychaud at approximately 9:00 a.m.

## **Action Items:**

1. The infrastructure Committee report of Wednesday, May 07, 2014 was motioned by Mr. Joseph Peychaud and seconded by Mr. Alan Arnold. The motion carried.

## **Power Point Presentation:**

General Superintendent Joseph Becker presented a slide overview regarding the ongoing and future capital program projects.

## **Information Items :**

2. 2014 Committee/Board Meeting Schedule – Received
3. Any Other Matters - Received
4. Reference Material (In Binders) - Received
  - A. Sewerage and Water Board By-Laws
  - B. 2014 Operating & Capital Program
  - C. Strategic Plan
  - D. Tracking Tool for Commitments to the City Council
  - E. Bond Rating

Adjournment – The Infrastructure Committee ended at approximately 10:10 a.m.

PRESENT: Mrs. Kerri Kane- Chair

**Members of the Board: ALAN ARNOLD • ROBIN BARNES • MARION BRACY • DR. TAMIKA DUPLESSIS • SCOTT JACOBS • KERRI KANE**  
**MITCHELL J. LANDRIEU • WM. RAYMOND MANNING • MARK MOODY • JOSEPH PEYCHAUD • KIMBERLY THOMAS**  
**"An Equal Opportunity Employer"**

Dr. Tamika Duplessis  
Mrs. Kimberly Thomas  
Mr. Alan Arnold  
Mr. Joseph Peychaud

ABSENT: NONE

OTHER COMMITTEE/  
BOARD MEMBERS PRESENT: NONE

Also in attendance were: Robert Miller, Interim Executive Director; Joseph Becker, General Superintendent; Anita Simmons, Staff of the Executive Director; Susan Higginbotham, Staff of the Executive Director Office; Robert Jackson, S&WB Community & Intergovernmental Relations (S&WB); Geneva Coleman, The Hawthorne Agency, Inc.;

Very truly yours,

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Mrs. Kerri Kane  
Chairperson

KK/kal

**REVISION TO SEPTAGE WASTE PROGRAM**

**WHEREAS**, in April 2012 the Sewerage & Water Board of New Orleans (Board) implemented a program at the East Bank Wastewater Treatment Plant for the disposal of hauled septage waste and wet sludge from nearby wastewater treatment plants; and

**WHEREAS**, a truck-in materials protocol was developed to provide an overview of the program, provide written policy for the roles and responsibilities of the Board and the Operator (Veolia North America), defined approved truck routes to reduce impact on the neighborhood and septage quality acceptance criteria for the Hauler, and establishment of costs of the septage program, including fees charged and sharing of revenue between the Board and the Operator; and

**WHEREAS**, revisions to the program is required to safeguard the wastewater treatment process with the prohibition of formaldehyde products in the septage, replace testing for BOD and TSS with relative toxicity to ensure the quality of the septage is not detrimental to the wastewater microorganisms, reduced hours of operations and eliminate the use of Sewer Pump Station A as an alternate disposal site; and

**WHEREAS**, the Board proposes to increase the fee for disposal of septage to provide the increased cost of operations as follows:

- Monday through Friday from 7 am to 4 pm      \$0.15/gallon (formerly \$0.10/gal)
- Special event times and days as specified by the Board      \$0.20/gal (formerly all after hours, weekends and holidays at \$0.14/gal)

**NOW THEREFORE, BE IT RESOLVED**, that the Board approves the revisions to the septage program and authorizes implementation of the increased fees and hours of operations effective September 1, 2014.

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I, Cedric S. Grant, Executive Director,  
Sewerage and Water Board of New Orleans, do hereby  
certify that the above and foregoing is a true and  
correct copy of a Resolution adopted at the Regular  
Monthly Meeting of said Board, duly called and held,  
according to law, on August 20, 2014.

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CEDRIC S. GRANT, EXECUTIVE DIRECTOR  
SEWERAGE AND WATER BOARD OF NEW ORLEANS



**SEWERAGE AND WATER BOARD OF NEW ORLEANS**

**TRUCKED-IN MATERIALS PROTOCOL**

**July 25, 2014**

## **TRUCKED-IN MATERIALS PROTOCOL**

### **1. OVERVIEW**

- 1.1. Materials that may be received at the Sewerage and Water Board of New Orleans (SWBNO) East Bank Wastewater Treatment Plant (WWTP), via truck, for disposal consist of hauled septage waste and wet sludge from nearby WWTP's.
  - 1.1.1. All septage material will be disposed of in the plant Muck Pit. Liquid Sludge from nearby WWTP's will be pumped directly into the collection trough for Clarifier No. 4 utilizing the truck unloading station. (See attached figure titled East Bank Wastewater Treatment Plant – Plant Layout)
  - 1.1.2. Septage is defined as wastewater from portable toilets, septic tanks, and marine toilet wastes.
  - 1.1.3. **The use of formaldehyde products in septage is strictly prohibited.** Random testing will be done to monitor for formaldehyde.
  - 1.1.4. Wet sludge for this purpose is defined as sludge material from WWTP's that has not been dewatered and is less than 8% Total Solids by weight.
- 1.2 The East Bank WWTP ("Facility") is accessible by Florida Avenue which provides access for cars, and for truck deliveries of materials and supplies. All trucks entering the site will need to follow the approved truck route, which is Caffin Avenue to Florida Avenue and are not to travel down any of the residential neighborhoods adjacent to the plant site. All trucks will be required to follow the truck speed limits on Florida Avenue at no more than 25 MPH. **Attachment 1** presents a map depicting the approved truck route.
- 1.3 Note: Trucked in materials may also be accepted at the SWBNO Sewer Pumping Stations "A" and "D". The discharge of trucked waste at these facilities shall only occur with prior written authorization by the SWBNO.
- 1.4 Trucked-In Materials shall only be accepted for disposal at the Facility under the following conditions:
  - 1.4.1 Prior approval,
  - 1.4.2 A consummated agreement with either the SWBNO (Owner) or Veolia Water (Operator), and transporter of the Trucked-In Materials,
  - 1.4.3 Shall meet the minimum requirements specified in **Attachment 2**; and
  - 1.4.4 Make acceptable payment arrangements.

## **2. POLICY**

- 2.1 Terms for acceptance, treatment and disposal of Trucked-In Materials shall contain the following appropriate provisions:
  - 2.1.1 Established Acceptance Criteria for the specific Trucked-In Materials to be delivered to the facility;
  - 2.1.2 Requiring that haulers warrant that the Trucked-In Materials delivered to the facility comply with the Acceptance Criteria;
  - 2.1.3 Requiring that haulers advise the Owner or Operator of any changes in the process of generating the Trucked-In Materials that may affect the characteristics of such materials;
  - 2.1.4 Providing for rejection of Trucked-In Materials that do not conform with the Acceptance Criteria, and imposing on haulers responsibility for transportation, treatment and disposal of such rejected materials; and
  - 2.1.5 Requiring haulers to indemnify the Owner and Operator from all Loss-and-Expense arising out of the delivery or attempted delivery of Trucked-In materials that do not comply with the Acceptance Criteria.
- 2.2 All Trucked-In Materials shall be screened by the Operator utilizing the Protocol for Monitoring, Sampling and Screening of Trucked-In Materials (**Attachment 2**) which provides the requirements and procedures by which Trucked-In Materials will be afforded acceptance at the Facility.
- 2.3 The Operator has sole responsibility to ensure that Trucked-In Materials to the Facility are accepted and treated in such a manner that:
  - 2.3.1 Operation of the Facility is not adversely impacted;
  - 2.3.2 The ability to maintain compliance with all regulatory permits is not adversely impacted;
  - 2.3.3 The ability to achieve compliance with current or future discharge limits is not jeopardized;
  - 2.3.3 The receipt of Trucked-In Materials does not result in odor complaints; and,
  - 2.3.4 The receipt of Trucked-In Materials is in full compliance with all Applicable Laws.



- 2.4 The Operator shall have the right to refuse acceptance of any load of Trucked-In Materials not in conformance with the above requirements, based on the criteria agreed upon in advance by the Owner and Operator and the generator or transporter.
- 2.5 The Operator shall be responsible for ensuring that all required sampling, testing and reporting of the Trucked-In Materials is carried out in accordance with applicable State regulations and procedures and as necessary to ensure that Facility's operation is not adversely effected by the acceptance of these materials.
- 2.6 The Operator shall maintain complete records of all Trucked-In Materials sampling and testing as required by Applicable Laws.
- 2.7 If the Operator elects to allow the generator or transporter of Trucked-In Materials to perform the required sampling and testing, the Operator shall ensure that such records are received prior to the off-loading of the Trucked-In Materials.
  - 2.7.1 These records provided to the Operator shall be certified by the generator or transporter by affidavit, signed under penalty of perjury.
  - 2.7.2 If necessary the Operator shall perform any sampling and analysis required immediately prior to the authorized off-loading to supplement testing by generators and haulers.
- 2.8 The Operator shall be responsible for the maintenance of all required records associated with the receipt of Trucked-In Materials. These records shall include, but shall not be limited to the following:
  - 2.8.1 Type of material (e.g. liquid)
  - 2.8.2 Volume of materials received
  - 2.8.3 Date of receipt
  - 2.8.4 Charges for receipt
  - 2.8.5 Name of Hauler
  - 2.8.6 Name of Generator
  - 2.8.7 Profile number (e.g. specific septage agreement number)
  - 2.8.8 Analysis and testing results

- 2.9 Annual report completion and submission in accordance with the LDEQ permit amendment.
- 2.10 Complete billing records to be presented weekly to the SWBNO's Environmental Affairs Department for the purpose of review.
  - 2.10.1 The Owner is responsible for forwarding billing records to accounting for processing.
- 2.11 Retention of records includes loading data for all waste material received.
  - 2.11.1 Loading from the septage and/or wet sludge will be subtracted from the total plant loading from the three force mains entering the facility.
  - 2.11.2 As part of the year-end reconciliation invoice influent loading is submitted from the automatic sample for TSS and BOD. The existing formula is influent loadings minus the recycle streams for belt press filtrate return and ash pond water return. Since the septage material will be received "upstream" of the automatic sampler the new loading calculation will include an additional subtraction for the septage side stream.

### **3. COSTS- SEPTAGE**

- 3.1 Samples delivered M-F between the hours of 7:00 am-4:00 pm.....\$0.15/gallon  
Special event times and days specified by SWBNO.....\$0.20/gallon
- 3.2 The revenue split for the normal business hours will be \$0.075/gallon for the Owner and \$0.075/gallon to cover the operational costs for the Operator. The revenue split for special event times and days specified by SWBNO will be \$0.10/gallon for the Owner and \$0.10/gallon for the Operator to cover costs incurred.
- 3.3 The invoice from the Operator to the Owner to cover the costs incurred shall be once a month and accompany the regular operations and maintenance invoices.
- 3.4 Costs involved for the Operator include:
  - 3.4.1 Labor for the receipt of the septage load, scale weight of truck, sample collection, and documentation
  - 3.4.2 Sample analysis for Relative Toxicity, pH, and temperature.
  - 3.4.3 Tracking and documentation for billing purposes
  - 3.4.4 Project Management & Environmental oversight
  - 3.4.5 Marketing for growth of the septage receiving initiative

**4. COSTS-WET SLUDGE**

- 4.1 This section to be amended upon approval in the form of a letter amendment issued by the Owner to the Operator to accept discharge of wet sludge at the Facility.
- 4.2 Terms of agreement shall include volume received, sludge characteristics, %Total Solids, and %Volatile Solids between the Public or Private treatment plant and the Owner and Operator of the Facility.

**ATTACHMENT 1**  
**Approved Truck Route**

**ATTACHMENT 2**  
**Acceptance Criteria**

## **ACCEPTANCE CRITERIA**

### **I Approval Procedures**

- I.1. All source locations must meet the latest requirements for septage waste sampling, based on the latest standards, requirements and/or regulations of the Louisiana Department of Environmental Quality (LDEQ).
  - I.1.1 All source locations for septage must test at a minimum the required parameters as laid out in Supplement 1 to Attachment 2.
- I.2 All wet sludge source locations must test at a minimum the required parameters as specified in their Louisiana Pollution Discharge Elimination System (LPDES) permits for residual solids and meet the latest sampling frequency.
  - I.2.1 At a minimum, the frequency and parameters must be those identified in Supplement 1 to this Attachment.
  - I.2.2 For Wet Sludge an initial residual test from the source facility will be required prior to approval of any acceptance agreement.
  - I.2.3 A copy of the source facility's LPDES permit must also be provided.
  - I.2.4 Owner/Operator reserves the right to decline acceptance of residuals from any source facility making application for treatment or disposal.

### **II Reporting and Sampling Procedures – Septage Waste**

- II.1 All septage haulers will be required to be pre approved to be able to discharge at the Facility.
  - II.1.1 The approval will be based up the examination of the characteristics of the waste and concentration levels of the parameters required for testing in Supplement 1.
- II.2 A representative sample of the waste load to be disposed of at the facility will be collected and analyzed for pH, temperature, TSS, VSS, and BOD or COD.
- II.3 Owner/Operator has the right to refuse any and all septage material determined to be a detriment to the wastewater treatment process.

### **III Reporting and Sampling Procedures – WWTP Sludge**

- III.1. Scheduled sampling results must be received by the Facility no later than the 20<sup>th</sup> day following the month in which the samples were taken.
  - III.1.1 Sample results should be in the same format as those required by LDEQ with copies of the certified laboratory results attached.
  - III.1.2 Test results should be signed by the source facility's Licensed Operator of Record, or if the Licensed Operator is not available, by an authorized representative of the source facility.
- III.2 The source facility must notify the Facility of any sample results that exceed its NPDES permit or if there is any problem in sample results.
  - III.2.1 Verbal/fax notification must be provided by the source facility Operator within 24 hrs of receipt of knowledge of any problem and within 3 business days in writing.
- III.3 The Facility will spot sample each source facility at a minimum of once per year, or more frequently if it deems necessary.
- III.4 Owner/Operator may, at its discretion, suspend or terminate acceptance of waste material from any source facility, if residual analysis results or any other available information indicate that the source material may have a detrimental effect to the Facility.
- III.5 Individual waste haulers will be required to provide a sample of each waste load.
  - III.5.1 The Operator will provide 500-ml bottles for said samples.
  - III.5.2 Haulers will be required to provide the hauler's name, source location(s), date, time of sample, and profile number on each sample.
  - III.5.3 Waste haulers will be provided a written protocol for sample collection along with site approval.

### **IV. Delivery Procedures**

- IV.1 All trucked in waste material must be delivered by a fully licensed LDEQ hauler.
  - IV.1.1 All waste haulers must be pre-approved by the Owner/Operator 5 days prior to initial deliveries.
  - IV.1.2 Owner/Operator may waive the 5 day requirement at its own discretion.

**Trucked-In Materials Protocol**  
**Attachment 2**  
April 1, 2013

- IV.1.3 Owner/Operator may, at its own discretion, suspend or terminate acceptance of any waste deemed a detriment to WWTP operations.
- IV.2 Waste haulers will be required to make their own connections to the Facility equipment.
  - IV.2.1 They are responsible for their own equipment at all times.
  - IV.2.2 Haulers are required to immediately report to the Operator any traffic problem, accident, or safety incident that occurs on WWTP property.
- IV.3 In any circumstance of a spill, the waste haulers shall contact the Operator immediately.
  - IV.3.1 The Operator will provide appropriate emergency contact and clean up procedures at the facility.
  - IV.3.2 The waste hauler shall take immediate action to contain any spilled materials, and thereafter complete any required cleanup and decontamination procedures.
- IV.4 All waste haulers are required to utilize trash facilities provided by the Operator and shall not leave any debris at the site.
- IV.5 Haulers who violate any of the requirements of this protocol may have their disposal privileges suspended or revoked.
- IV. 6 Haulers must follow the approved truck routes and obey the truck speed limits on Caffin Avenue and Florida Avenue or may have their disposal privileges suspended or revoked.



**SUPPLEMENT 1: TESTING PARAMETERS**

**A. Annual parameters - Septage**

- Total Nitrogen
- Total Phosphorus
- Zinc
- Beryllium
- Copper
- Nickel
- Lead
- Cadmium
- Chromium
- Mercury
- PCB's
- Total Hydrocarbons
- Total Cyanide & Phenols

**B. Annual parameters – WWTP Sludge**

- TCLP – Complete including pesticides and herbicides
- RCI & PCB's
- Appendix D, Table II Metals

**CRITERIA DEFINING NON-CONFORMING SLUDGE AND SEPTAGE**

- A. Sludge offered to the Facility that fails to meet the following characteristics shall be Non-conforming Sludge:
1. Non-hazardous pursuant to 40 CRF Part 261 and Louisiana Administration Code.
  2. Dry solids content range of 1-10% for wet sludge, as determined by test method 2540B Total Solids dried at 103-105 degrees C.
  3. Volatile content of solids greater than 50%, as determined by test method 2540E fixed and Volatile Solids at 550 degrees C using the residue from method 2540B above.

4. The Sludge shall not exceed the "Regulatory Levels" set forth in the following tables:

a. Toxicity Leachate Characteristics Procedure (TCLP) Analysis-Volatile Organic Compounds

<u><b>Volatiles</b></u>	<u><b>Regulatory Levels*</b></u>
Benzene	< 0.5 mg/l
Carbon Tetrachloride	< 0.5 mg/l
Chlorobenzene	< 100.0 mg/l
Chloroform	< 6.0 mg/l
1,4 Dichlorobenzene	< 7.5 mg/l
1,2 Dichloroethane	< 0.5 mg/l
1,1 Dichloroethylene	< 0.7 mg/l
Methylethyl Ketone	< 200.0 mg/l
Tetrachloroethylene	< 0.7 mg/l
Trichloroethylene	< 0.5 mg/l
Vinyl Chloride	< 0.2 mg/l

\*Regulatory Levels and Test Procedures per 40 CFR 261.24

b. TCLP Analysis-Inorganic Compounds

<u><b>Inorganics</b></u>	<u><b>Regulatory Levels*</b></u>
Arsenic	< 5.0 mg/l
Barium	< 100.0 mg/l
Cadmium	< 1.0 mg/l
Chromium	< 5.0 mg/l
Lead < 5.0 mg/l	
Mercury	< 0.2 mg/l
Selenium	< 1.0 mg/l
Silver < 5.0 mg/l	

\* Regulatory Levels and Test Procedures per 40 CFR Part 261.24

c. TCLP Constituents –Semi-Volatile Organic Compounds

<u>Semi-Volatiles</u>	<u>Regulatory Levels*</u>
Chlordane	< 0.03 mg/l
Cresol, (Total)	< 200.00 mg/l
o-Cresol	< 200.00 mg/l
m-Cresol	< 200.00 mg/l
p-Cresol	< 200.00 mg/l
2,4 D	< 10.0 mg/l
2,4 Dinitrotoluene	< 0.13 mg/l
Endrin	< 0.02 mg/l
Heptachlor & Its Epoxide	< 0.008 mg/l
Hexachlorobenzene	< 0.13 mg/l
Hexachloro – 1,3 butadiene	< 0.50 mg/l
Hexachloroethane	< 3.00 mg/l
Lindane	< 0.40 mg/l
Methoxychlor	< 10.00 mg/l
Nitrobenzene	< 2.00 mg/l
Pentachlorophenol	< 100.0 mg/l
Pyridine	< 5.00 mg/l
Toxaphene	< 0.50 mg/l
2,4,5 Trichlorophenol	< 400.00 mg/l
2,4,6 Trichlorophenol	< 2.00 mg/l
2,4,5 TP (Silvex)	< 1.00 mg/l

\* Regulatory levels and test procedures per 40 CFR Part 261.24

<u>Parameter</u>	<u>Regulatory Levels</u>	<u>Procedure</u>
Copper	<150 mg/l	SW 846-1311
Nickel	<150 mg/l	SW 846-1311
Zinc	<150 mg/l	SW 846-1311
Oil & Grease	10,000 ppm max	ASTM-D3987- 85
Ammonia Nitrogen	70,000 ppm max	ASTM-D3987-85
pH	5-9 S.U.	SW 846-9045
Ignitability	>140°F	SW 846-C7
Reactive Sulfide	500 ppm max	SW 846-C7
Reactive Cyanide	250 ppm max	SW 846-C7
pH of TCLP extraction	2>x<12.5	SW 846-1311
PCBs	50 ppm max	SW 846 8080

## **SUPPLEMENT 2: RULES OF THE ROAD**

### **1. General Safety Rules**

- a. Smoking is not permitted on the Facility property.
- b. Waste hauler drivers must sign in at the front and check in the scale house.
- c. Under no circumstances may a person less than 16 years of age accompany a vehicle or driver.
- d. Drivers shall be familiar with the hazards, know the proper loading/unloading procedures, be equipped with the necessary protective equipment for the materials they are transporting.
- e. All vehicles are subject to inspection upon entering and leaving the Facility property.
- f. The speed limit on the Facility site is 5 miles per hour.
- g. When waste loads are trucked into the facility any driver not following the approved truck route or causing disfavor from the neighboring residents may be denied future access and permission to dump at the plant site.

### **2. Vehicle Requirements**

- a. Each vehicle owner and driver of a vehicle operated on the Facility property shall be in compliance with insurance requirements of the State of the vehicle registration or operator license and any other applicable authority.
- b. Each vehicle carrying septage and operated on the Facility property shall hold and comply with all licenses, certifications and insurance required under applicable Laws and Regulations.

### **3. Failure to Comply**

- a. Owner/Operator reserves the right to ban vehicle owners/drivers that violate these rules.
- b. Notice of violation from Owner/Operator staff will be investigated and if found that violations are accurate, the Owner/Drivers of the trucked in material may have their access privileges revoked in accordance with contract provisions.

**Trucked-In Materials Protocol  
Supplement 2 to Attachment 1**

April 1, 2013

**4. Alternate Route**

- a. In all cases the primary route to reach the Facility is through the access road as defined in the Attachment 1 Approved Truck Route.
- b. If this route is not available, the driver must first notify the Facility Operator. Facility Operator will inform the hauler on when the access road will be available.
- c. The Operator will work with the Owner to rectify any problems arising from vehicle problems. Repeat violators may be denied use of access through the Facility property.

**RESOLUTION REQUESTING STATE OF LOUISIANA, DEPARTMENT OF  
TRANSPORTATION AND DEVELOPMENT AUTHORIZATION TO EXERCISE  
OPTIONS ON LOUISIANA AVE CANAL – STATE PROJECT NO. H.011352,  
ORLEANS PARISH**

**WHEREAS**, the Sewerage and Water Board of New Orleans (S&WB) has submitted an application for funding for optional work associated with the Louisiana Avenue Canal, flood control project under the Statewide Flood Control Program; and

**WHEREAS**, the State's share of the project funds have been made available and the S&WB has available its local matching share of the project funds in an amount of not less than 30% of the non-federal share; and

**WHEREAS**, at the request of the S&WB, URS JEG Joint Venture, under the supervision of the U.S. Army Corps of Engineers has prepared plans and specifications for said project, which plans and specifications are designated by State Project H.011352, and

**WHEREAS**, the S&WB has reviewed the final plans, specifications, and cost estimate and accepts them as submitted and the Department of Transportation and Development (DOTD) has reviewed the final plans, specifications, and cost estimate and has approved them inasmuch as they comply with the requirements of the Statewide Flood Control Program; and

**WHEREAS**, all necessary servitudes, rights of way, spoil disposal areas, rights of ingress and egress and the means thereof have been acquired by the S&WB, and the titles thereto are valid and indefeasible; and

**WHEREAS**, the S&WB has obtained all necessary permits required for the construction of this project; and

**WHEREAS**, the S&WB has agreed to accomplish all necessary utilities, fence and other facilities, relocations and alterations made necessary by this projects; and

**WHEREAS**, the S&WB desires the Corps of Engineers to exercise the option for additional work under this contract, in accordance with Corps requirements, for the award of additional work under this contract in the name of the Corps of Engineers, and for the Corps of Engineers to furnish engineering services during the construction of the work.

**NOW, THEREFORE BE IT RESOLVED** that the DOTD be and hereby is requested to authorize the S&WB to agree to exercise the option for additional work through the Corps of Engineers and in accordance with Corps of Engineers requirements for the award of optional work in the name of the Corps of Engineers, covering the aforesaid improvements.

**BE IT RESOLVED** that the DOTD be and hereby is assured that all necessary servitudes, rights of way, rights of ingress and egress and the means thereof have been obtained

by the S&WB, and the titles thereto are valid and indefeasible and the S&WB expressly agrees to defend any action for the failure of an servitude, right of way, right of ingress or egress, and S&WB does hereby assume complete responsibility for the maintenance and upkeep of the project after construction.

**BE IT RESOLVED** that DOTD be and hereby is assured that all required permits have been obtained by S&WB.

**BE IT RESOLVED** that the DOTD be and hereby is assured that S&WB has available its local matching funds in an amount not less than thirty (30%) percent of the non-federal share to insure construction of this project.

**BE IT RESOLVED** that S&WB will and hereby does assume complete responsibility for all utilities, fence, and other facilities relocations and alterations made necessary by this project.

**BE IT RESOLVED** that S&WB does hereby save and hold harmless the DOTD against any loss or damage of an kind incident to or occasioned by activities undertaken in pursuance of this agreement and expressly agrees to defend any suit brought against the DOTD, and pay any judgment which may result from said suit as it relates to this project.

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I, Cedric Grant, Executive Director,  
Sewerage and Water Board of New Orleans, do hereby  
certify that the above and foregoing is a true and  
correct copy of a Resolution adopted at the Regular  
Monthly Meeting of said Board, duly called and held,  
According to law, on August 20, 2014

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**EXECUTIVE DIRECTOR**  
**SEWERAGE AND WATER BOARD OF NEW ORLEANS**



**"RE-BUILDING THE CITY'S WATER SYSTEMS FOR THE 21<sup>ST</sup> CENTURY"**

# **Sewerage & Water Board OF NEW ORLEANS**

**MITCHELL J. LANDRIEU, President**  
**WM. RAYMOND MANNING, President Pro-Tem**

**625 ST. JOSEPH STREET**  
**NEW ORLEANS, LA 70165 • 504-529-2837 OR 52W-ATER**  
**[www.swbno.org](http://www.swbno.org)**

August 5, 2014

Sewerage & Water Board of New Orleans Infrastructure Committee

Re: Request for Information

Dear Members:

Per the request of the Infrastructure Committee, I am forwarding the spreadsheet that shows only the differences in the Drainage Capital Program between years 2013 and 2014. The major differences are summarized as follows:

- In 2013, SELA Projects at S. Claiborne Canal Phases I and II, Napoleon Ave. Canal Phase II and Jefferson Ave Canals Phases I and II were bid and awarded by the Corps.
- In 2013, Permanent Pump Stations at the Lake was awarded by the Corps.
- In 2014, Hazard Mitigation Grant Program funding for the Hardening of the Power Plant was allocated 53% to the Drainage Capital Program.

Please feel free to contact me at (504) 585-2365 or [mgoddard@swbno.org](mailto:mgoddard@swbno.org) if further information is required.

Sincerely,

*Madeline F. Goddard*

Madeline F. Goddard, P.E.  
Deputy General Superintendent





## Funded by Participation by Others

Capital Project#	Capital Project Title	Description	Calculated Score	2013	2014	Difference Between 2013-2014	Total 2013-2014
466-1	B Louisiana Avenue Canal (65% Cost Share)	Construction of covered canal in Louisiana Avenue right of way from S. Claiborne to Constance. This project will be constructed as a single project and take five years to complete. Paving costs associated with this construction project will be paid by DPW construction and engineering and are currently estimated at \$22 million. The estimate for damage claims is listed under Extra Work. Eng. Est. \$123,000,000 Corps of Engineer SELA Program 65%		\$ -	\$ 81,250,000	\$ (81,250,000)	\$ 81,250,000
478-1	A S. Claiborne Ave Canal Phase I (Monticello St to Lowerline St) - Contract 4180CE COE (65% Cost Share)	Design, construct & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program 65%	7.74	\$ 17,643,685	\$ -	\$ 17,643,685	\$ 17,643,685
478-2	A S. Claiborne Ave Canal Phase II (Lowerline St to Lowerline St) - Contract 4181CE COE (65% Cost Share)	Design, construct & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello (Contract 4181CE). Construction in each phase will take four years to complete. Extra Work is for consultant, damage claims and landscaping in each phase. Corps of Engineer SELA Program 65%	7.74	\$ 18,082,813	\$ -	\$ 18,082,813	\$ 18,082,813
486-1	B Napoleon Ave Canal Phase II (S. Claiborne Ave to Carondelet St) - Contract 4176CE COE (65% Cost Share)	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Upton Basin (Contract 4176CE). Costs will take two years to complete. Contract Award \$53,121,351 Corps of Engineer SELA Program 65%	7.74	\$ 35,828,878	\$ -	\$ 35,828,878	\$ 35,828,878
497-4	D Florida Avenue Canal Phase IV (Florida Ave/Peoples Canal) - Contract 4165CE COE (65% Cost Share)	Design, construction, and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS #19 Phase III (SE. Ferdinand St. Play St. - Contract 4164CE) will begin in 2014. Eng. Est. \$116,203,720 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 91,000,000	\$ (91,000,000)	\$ 91,000,000
498	E Dryer Inake Canal Improvements - Contract 4173CE	This project (Contract 4173CE) is currently under construction. Consulting fees are associated with engineering design during construction. Pending for claims is including in Extra Work.	10.00	\$ 250,000	\$ -	\$ 250,000	\$ 250,000
499-1	A, B Jefferson Ave Canal Phase I (S. Claiborne Ave to Dryades) - Contract 4178CE COE (65% Cost Share)	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE). Corps of Engineer SELA Program 65%. Eng. Est. \$65,726,775	7.74	\$ 42,726,775	\$ -	\$ 42,726,775	\$ 42,726,775
499-2	D Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE COE (65% Cost Share)	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance. Phase II (Dryades to Constance - Contract 4179CE) will start in 2012. Corps of Engineer SELA Program 65%	7.74	\$ 32,565,000	\$ -	\$ 32,565,000	\$ 32,565,000
511-1	D Normal Extensions & Replacement-DPS FEMA	Station "D" rolling door and foundation (FEMA)	10.00	\$ 750,000	\$ 1,500,000	\$ (750,000)	\$ 2,250,000
511-3	A Normal Extensions & Replacement-DPS	Repairs to Discharge Tubes - DPS 7 (Work to commence in conjunction with US ACE Storm proofing project OS7)	10.00	\$ 6,000,000	\$ -	\$ 6,000,000	\$ 6,000,000
511-19	Citywide Normal Extensions & Replacement-DPS	Miscellaneous repairs to DPS (restrooms, HVAC, doors, roofs, piping, bubbles, etc.)	8.75	\$ 500,000	\$ -	\$ 500,000	\$ 500,000
511-19	Citywide Normal Extensions & Replacement-DPS	Forecasted Structural engineering services for analysis	8.75	\$ 33,000	\$ -	\$ 33,000	\$ 33,000
575-2	Citywide Water Hurricane Recovery Bond FEMA (333333 W/ST)		10.00	\$ 3,000,000	\$ -	\$ 3,000,000	\$ 3,000,000
576-8	Citywide COE Storm Proofing Projects	OSP 48 DPS 1, 2, 4, 12, 19 & L-10 Storm Proofing, all funded by US ACE	10.00	\$ 7,217,138	\$ -	\$ 7,217,138	\$ 7,217,138
578-2	A, D COE Permanent Pump Stations at the Lake	Construction of three Pump stations at the Lake Pontchartrain, 100% funding via the COE.	10.00	\$ 800,000,000	\$ -	\$ 800,000,000	\$ 800,000,000
610-1	A, B Addition & Replacement to Underground Power Distribution Feeders HMGF	Replace feeders 302 / 302, 24 / 24, 312 / 412, 314 / 414, 612-B, 408 / 416 / 508, 406, SPS A to DPS 2 (HMGF)	10.00	\$ 3,380,000	\$ -	\$ 3,380,000	\$ 3,380,000

Drainage WS 1

Capital Project #	Capital Project Name	Description	Calculated Score	2013	2014	Difference Between 2013-2014	Total 2013-2014
610-2	A. B Additions & Replacement to Underground Power Distribution Feeders HMGCP	OSP-02 60 Hz underground feeders is linked with OSP-01 15 MW Generator (HMGCP)	10.00	\$ 4,000,000 \$	- \$	4,000,000 \$	4,000,000
613-1	Citywide Modifications to the Power Generating System FEMA 100% D	Replace/replace Turbine #4 Steam Path, condenser, Rotor (This 20 Megawatt unit is currently available for emergency use with a reduced capacity of 8,000 KW). Install 8 transmitters tied into highlight chart readers, update governor control system	10.00	\$ 20,000,000 \$	700,000 \$	19,300,000 \$	20,700,000
613-2	Citywide Modifications to the Power Generating System FEMA 100% D	Rebuild of Boiler 1 and 3 FEMA	10.00	\$ 500,000 \$	13,613,000 \$	(13,113,000) \$	14,113,000
613-3	Citywide Modifications to the Power Generating System 100% D HMGCP	Complete replacement of Turbine No. 1 with a 15 Mega Watt 25 Hz unit and auxiliaries, either steam drives OR dual fuel internal gas-fired oil turbine, based on unit efficiency; inspect and rehabilitation of Turbine No. 3, including installation of hot well level controller; inspect/rehabilitation of Turbine No. 5 complete with new "black box" monitoring and control equipment	10.00	\$ 3,150,000 \$	- \$	3,150,000 \$	3,150,000
613-4	Citywide Modifications to the Power Generating System 100% D HMGCP	Plant SCADA System or at minimum remote monitoring of all water pumping units at the water Purification Plant, control cables from Central Control to the Power House	10.00	\$ 650,000 \$	- \$	650,000 \$	650,000
613-5	Citywide Modifications to the Power Generating System 100% D HMGCP	Automation of Boilers No. 1 and 3, including forced and induced draft fans; Re-tubing of Boilers number 1, 3 - 6	10.00	\$ 1,200,000 \$	- \$	1,200,000 \$	1,200,000
613-6	Citywide Modifications to the Power Generating System 100% D HMGCP	Hardening of power plant including inspecting and refurbishing the overhead cranes at low lift; structural repairs to the boiler room	10.00	\$ 575,000 \$	1,588,943 \$	(1,013,943) \$	2,163,943
613-7	Citywide Modifications to the Power Generating System 100% D HMGCP	Inspect and refurbish Turbine No. 4 swingturbine, install new temperature cooling control system for Generator No. 4	10.00	\$ 357,000 \$	- \$	357,000 \$	357,000
613-8	Citywide Modifications to the Power Generating System 100% D HMGCP	Rehabilitation of current above ground fuel storage tank to provide seven (7) days of fuel for boilers, and turbines	10.00	\$ 100,000 \$	4,992,818 \$	(4,892,818) \$	5,092,818
613-10	Citywide Modifications to the Power Generating System 33/33/34 W/STD	Boiler and High Lift Facilities Replace floors in offices/boiler rooms	4.31	\$ 27,000 \$	- \$	27,000 \$	27,000
613-13	Citywide Modifications to the Power Generating System 35/5/60 W/STD	Paint exterior pumping/power blage (participation by others)35%	4.11	\$ 900,000 \$	- \$	900,000 \$	900,000
613-16	Citywide Modifications to the Power Generating System 35/5/60 W/STD	Paint exterior pumping/power blage (participation by others)	10.00	\$ 900,000 \$	- \$	900,000 \$	900,000
613-17	Citywide Modifications to the Power Generating System 60/3/35 W/STD	Paint exterior pumping/power blage (participation by others)	10.00	\$ 60,000 \$	600,000 \$	(540,000) \$	660,000
676-1	Citywide Modifications to the Power Generating System HMGCP 34/13/33 W/STD	Hardening of power plant -addressing boilers, L&C	10.00	\$ - \$	23,118,193 \$	(23,118,193) \$	23,118,193
676-2	Citywide Modifications to the Power Generating System HMGCP 34/13/33 W/STD	Refurbish Turbines 3, including controls upgrade (HMGCP)	10.00	\$ - \$	9,425,602 \$	(9,425,602) \$	9,425,602
676-3	Citywide Modifications to the Power Generating System HMGCP 34/13/33 W/STD	Refurbish Turbines 5, including controls upgrade (HMGCP)	10.00	\$ - \$	9,955,602 \$	(9,955,602) \$	9,955,602
676-4	Citywide Additions & Replacement to Underground Power Distribution Feeders HMGCP 34/13/33 W/STD	Design Build Contract to replace feeders 201/202, 24/224, 416, 406, SPS A to DPS 2 (HMGCP)	10.00	\$ - \$	16,122,600 \$	(16,122,600) \$	16,122,600
676-5	Citywide Additions & Replacement to Underground Power Distribution Feeders HMGCP 34/13/33 W/STD	OSP-02 60 Hz underground feeder is linked with OSP-01 15 MW Generator (HMGCP)	10.00	\$ - \$	2,024,321 \$	(2,024,321) \$	2,024,321
676-6	Citywide Modifications to Oak St Raw Water Intake Station 34/13/33 W/STD	Design and construction of new Oak Street Raw Water Intake and Pump Station (HMGCP FEMA)	10.00	\$ - \$	42,400,000 \$	(42,400,000) \$	42,400,000
676-7	Citywide Modifications to the Power Generating System HMGCP 34/13/33 W/STD	Hardening of power plant including inspecting and refurbishing the overhead cranes at low lift; structural repairs to the boiler room	10.00	\$ - \$	842,140 \$	(842,140) \$	842,140
678-8	Citywide Modifications to the Power Generating System HMGCP 34/13/33 W/STD	Rehabilitation of current above ground fuel storage tank to provide seven (5) days of fuel for boilers, and turbines	10.00	\$ - \$	2,646,194 \$	(2,646,194) \$	2,646,194
676-9	Citywide Furnishing and Installation of 20MW Load Bank for testing Generators (HMGCP) 34/13/33 W/STD	The electrical testing and power verification of retrofitted Generators #3, #4 and #5, require a sizable load system capable of handling 20MW to verify generator rated capacity.	10.00	\$ - \$	945,320 \$	(945,320) \$	945,320

Drainage WS 2

Capital Project #	Capital Project Title	Description	Calculated Score	2013	2014	Difference Between 2013-2014	Total 2013-2014
807-9	D Improvements to Central Y and St. Joseph Street FEMA 33/33/34 W/SD	Central Y and St. Admin. Bldg. Replace 6 doors. FEMA	10.00	\$ 8,250	\$ -	\$ 8,250	\$ 8,250
807-10	D Improvements to Central Y and St. Joseph Street FEMA 33/33/34 W/SD	Central Y and St. Replace two air handlers w/aircurtains (FEMA)	10.00	\$ 6,188	\$ -	\$ 6,188	\$ 6,188
807-20	D Improvements to Central Y and St. Joseph Street FEMA 33/33/34 W/SD	Central Y and St. New annex FEMA	10.00	\$ 388,106	\$ -	\$ 388,106	\$ 388,106
810-5	Citywide Major Equipment Purchases FEMA 33/33/34 W/SD	Garage 1 Diagnostic equipment and upgraded every other year FEMA/SWBNO funds	10.00	\$ 1,650	\$ -	\$ 1,650	\$ 1,650
820	Citywide Overhead changed to Capital 33/33/34 W/SD	Portion of overhead attributed to capital from operations and maintenance	10.00	\$ 2,971,000	\$ -	\$ 2,971,000	\$ 2,971,000
843-3	Citywide Minor Equipment Purchases FEMA 33/33/34 W/SD	Vehicle replacement (small trucks, cars, etc.) FEMA	10.00	\$ 22,440	\$ -	\$ 22,440	\$ 22,440
843-4	Citywide Minor Equipment Purchases (FEMA) 33/33/34 W/SD	Central Y and St. Replacement of tools (milting machine, drill presses and bits (2), saws (2), tooling equipment associated with levee, plumbing - pipe machine, dyes, welding machine) FEMA	10.00	\$ 2,310	\$ -	\$ 2,310	\$ 2,310
875-1	Citywide Minor Equipment Purchases FEMA 33/33/34 W/SD	Central Y and St. Replacement of tools (milting machine, drill presses and bits (2), saws (2), tooling equipment associated with levee, plumbing - pipe machine, dyes, welding machine) FEMA	10.00	\$ -	\$ 22,440	\$ (22,440)	\$ 22,440
875-2	Citywide Minor Equipment Purchases (FEMA) 33/33/34 W/SD	Warehouse: Replacement of hydraulic lift (FEMA)	10.00	\$ -	\$ 2,310	\$ (2,310)	\$ 2,310
Total				\$ 1,003,796,234	\$ 302,749,883	\$ 701,046,351	\$ 1,306,546,117

## Payback Corps of Engineers

466-2	B Louisiana Avenue Canal SWBNO 35% Cost Share minus relocation and engineering fees	Construction of covered canal in Louisiana Avenue right of way from S. Claiborne to Constance. This project will be constructed as a single project and take five years to complete. Paying costs associated with this construction project will be paid by DPW, construction and engineering and are currently estimated at \$22 million. The estimate for damage claims is listed under Extra Work. Eng. Est. \$123,000,000 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 43,750,000	\$ (43,750,000)	\$ 43,750,000
478-1	A S. Claiborne Ave Canal Phase I (Monticello St to Leonidas St) - Contract 4180CE SWBNO 35% Cost Share minus relocation and engineering fees	Design, construct & inspection of new drainage canal on S. Claiborne between Lowertine & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program 65%	7.74	\$ 7,000,446	\$ -	\$ 7,000,446	\$ 7,000,446
478-2	A S. Claiborne Ave Canal Phase II (Lowertine St to Lowertine St) - Contract 4181CE SWBNO 35% Cost Share minus relocation and engineering fees	Design, construct & inspection of new drainage canal on S. Claiborne between Lowertine & Monticello (Contract 4181CE). Construction in each phase will take four years to complete. Extra Work is for consultant, damage claims and landscaping in each phase. Corps of Engineer SELA Program 65%	7.74	\$ 8,486,900	\$ -	\$ 8,486,900	\$ 8,486,900
486-1	B Napoleon Ave Canal Phase IHS Claiborne Ave to S. Claiborne Ave - Contract 4176CE SWBNO 35% Cost Share minus relocation and engineering fees	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4176CE). Cost will take two years to complete. Contract Award \$55,121,351 Corps of Engineer SELA Program 65%	7.74	\$ 17,592,473	\$ -	\$ 17,592,473	\$ 17,592,473
497-2	D Florida Avenue Canal Phase II & III (St. Ferdinand to Mezent St) - Contract 4163/4164 SWBNO 35% Cost Share minus relocation and engineering fees	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DP98 19. Construction of phase II (Peoples St to Mezent St - Contract 4163CE) will begin in 2012. Eng. Est. \$100,544,622 Corps of Engineer SELA Program 65%	7.74	\$ 22,495,607	\$ 22,095,607	\$ 400,000	\$ 44,591,214
497-4	D Florida Avenue Canal Phase IV (Florida Ave/Peoples Canal) - Contract 4165CE SWBNO 35% Cost Share minus relocation and engineering fees	Design construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DP98 #12. Phase III (St. Ferdinand St. to Peoples St. - Contract 4164CE) will begin in 2014. Eng. Est. \$116,203,720 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 49,000,000	\$ (49,000,000)	\$ 49,000,000
499-1	A, B Jefferson Ave Canal Phase I (S. Claiborne Ave to Dryades) - Contract 4178CE SWBNO 35% Cost Share minus relocation and engineering fees	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE). Corps of Engineer SELA Program 65%. Eng. Est. \$65,726,773	7.74	\$ 12,288,000	\$ -	\$ 12,288,000	\$ 12,288,000
499-2	D Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE SWBNO 35% Cost Share minus relocation and engineering fees	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance. Phase II (Dryades to Constance - Contract 4179CE) will start in 2012. Corps of Engineer SELA Program 65%	7.74	\$ 19,035,000	\$ -	\$ 19,035,000	\$ 19,035,000

Drainage WS 3

# Funded by Sewerage & Water Board of New Orleans

Capital Project #	Council District	Capital Project Title	Description	Calendar Score	2013	2014	Difference Between 2013-2014	Total 2013-2014
Total					\$ 86,898,426	\$ 114,845,607	\$ (27,947,181)	\$ 201,744,033
474	B	Madamez Canal Improvements	Funding for Extra Work is for damage claims. Construction of the concrete box has been completed.	10.00	\$ 50,000	\$ 5,000	\$ 45,000	\$ 55,000
476	A	Hollygrove Canal Improvements	Extra work is for resolution of Damage claims. The construction of the concrete box culverts are complete.	10.00	\$ 50,000	\$ 5,000	\$ 45,000	\$ 55,000
488	E	Dryer Imbie Canal Improvements - Contract 417ACE	This project (Contract 417ACE) is currently under construction. Consulting fees are associated with engineering design during construction. Funding for claims is including in extra work.	10.00	\$ -	\$ 50,000	\$ (50,000)	\$ 50,000
511-3	A	Normal Extensions & Replacement-DPS	Repairs to Discharge Tubes - DPS 7	10.00	\$ -	\$ 6,000,000	\$ (6,000,000)	\$ 6,000,000
576-18	Citywide	COE Storm Proofing Projects	OSP-X Water Walls at 13 DPS currently unfunded by US ACE	10.00	\$ 8,250,000	\$ -	\$ 8,250,000	\$ 8,250,000
703	Citywide	Damage Reserve for Emergencies	Contingency	10.00	\$ -	\$ 700,000	\$ (700,000)	\$ 700,000
810-5	Citywide	Major Equipment Purchases FEMA 33/33/34 W/SD	Change 1 Diagnostic equipment and upgraded every other year FEMA/SWBNO funds	10.00	\$ -	\$ 1,650	\$ (1,650)	\$ 1,650
843-17	Citywide	Mainframe DPS Battery Replacement 33/33/34 W/SD	Replacement of UPS Batteries purchased in 2006.	10.00	\$ 2,475	\$ -	\$ 2,475	\$ 2,475
843-29	Citywide	Centralized Storage Expansion 33/33/34 W/SD	Expansion of centralized storage of data off individual pc's onto a server-based system	10.00	\$ 17,000	\$ 6,000	\$ 11,000	\$ 23,000
843-13	Citywide	Wing-Drainage System 00 D	Data wiring for each drainage pumping station	10.00	\$ 60,000	\$ 30,000	\$ 30,000	\$ 90,000
843-33	Citywide	Personal Computers 33/33/34 W/SD	Phased replacement of all personal computers throughout the Board	10.00	\$ 100,000	\$ 67,000	\$ 33,000	\$ 167,000
812-15	Citywide	New Development Contract Work 33/33/34 W/SD	Programming done for implementations of new systems and system expansions such as CAM replacement, Financial System replacement or bringing up new modules of current software.	10.00	\$ 167,000	\$ 267,000	\$ (100,000)	\$ 434,000
812-18	Citywide	Indoor Risk Management Information System Software		10.00	\$ 334,000	\$ 8,250	\$ 325,750	\$ 342,250
812-11	Citywide	AutoCAD 33/33/34 W/SD	Upgrade of AutoCAD and related software	9.78	\$ -	\$ 25,000	\$ (25,000)	\$ 25,000
812-20	Citywide	New Development Contract Work 33/33/34 W/SD	Audit Software	9.75	\$ -	\$ 8,250	\$ (8,250)	\$ 8,250
812-21	Citywide	New Development Contract Work 33/33/34 W/SD	Webware Software Appliance	9.75	\$ -	\$ 8,250	\$ (8,250)	\$ 8,250
820	Citywide	Overhead changed to Capital 33/33/34 W/SD	Portion of overhead attributed to capital from operations and maintenance	10.00	\$ -	\$ 3,590,000	\$ (3,590,000)	\$ 3,590,000
843-23	Citywide	Security System Servers / software Miscellaneous Locations 33/33/34 W/SD	Purchases of servers and software to run security cameras at miscellaneous Board locations.	9.63	\$ -	\$ 34,000	\$ (34,000)	\$ 34,000
843-39	Citywide	High Volume Scanners 33/33/34 W/SD	Replacement of High Volume Scanners used for Networks and Revenue documents	9.31	\$ 6,667	\$ -	\$ 6,667	\$ 6,667
812-9	Citywide	Windows Server Software and applicable Client Access Licenses 33/33/34 W/SD	Upgrade of Network server software, and applicable user licenses	9.30	\$ 20,000	\$ 10,000	\$ 10,000	\$ 30,000
843-27	Citywide	Oracle Server Refresh 33/33/34 W/SD	*Refresh/Replace Oracle Database server	9.13	\$ -	\$ 6,600	\$ (6,600)	\$ 6,600
843-38	Citywide	Printers 33/33/34 W/SD	Replacement Printers	9.13	\$ 8,334	\$ 10,000	\$ (1,666)	\$ 18,334
812-13	Citywide	Web Developer Software 33/33/34 W/SD	Upgrades and Replacement of software used by web developer for web design and maintenance.	8.76	\$ 667	\$ -	\$ 667	\$ 667
511-19	Citywide	Normal Extensions & Replacement-DPS	Miscellaneous repairs to DPS (restrooms, HVAC, doors, roofs, piping, huddles, etc.)	8.75	\$ -	\$ 1,000,000	\$ (1,000,000)	\$ 1,000,000

Capital Project #	General Project	Capital Project Title	Description	Calculated Costs	2013	2014	Difference Between 2013-2014	Total 2013-2014
511-19	Citywide	Normal Examinations & Replacement-DPS	Forensic Structural engineering services for analysis	8.75	-	33,000	(33,000)	33,000
843-35	Citywide	Board Room AV Renovation 33/33/34 W/SD	Renovation, upgrade and replacement of Audio-Visual Equipment in the Board Room--microphones, cameras, monitor, etc.	8.72	41,667	50,000	(8,333)	91,667
843-24	Citywide	Security-New Badge Reading System 33/33/34 W/SD	Replacement of Security Badge readers, software, etc.	8.64	-	157,000	(157,000)	157,000
843-30	Citywide	IP Unified Communication 33/33/34 W/SD	Voice over IP Telephone System	8.59	-	-	-	-
496-1	C	General DeCadeille Canal Improvements SWBNO	Design, construction and inspection of drainage improvements within the General DeCadeille right of way between the Norman Canal and Vial Boulevard, between St between Seize and Gent DeCadeille, between DrPhase 5, Holiday Dr between Gent DeCadeille and Vixen, Memorial Park between Texas and the Algiers Outfall Canal, and Land between Gent DeCadeille and Badley. This work is included in the proposed Algiers Basin-Plan B improvement area. Eng Est. \$140,000,000 Corps of Engineer SELA Program 65%	7.74	50,000	-	50,000	50,000
496-2	C	General DeCadeille Corridor Canal Culvert Replacement SWBNO	Replacement of six (6) culvert crossings within Corridor	8.56	500,000	50,000	450,000	550,000
843-37	Citywide	Plotters 33/33/34 W/SD	Replacement Plotters	8.13	5,334	2,667	2,667	8,001
807-11	D	Improvements to Central Y and St. Joseph Street 33/33/34 W/SD	Central Y and: Replace air handler/w/accumulator for 2nd floor	7.96	9,240	-	9,240	9,240
843-40	Citywide	Desktop Scanners 33/33/34 W/SD	Purchase of limited number of desktop scanners	7.87	667	-	667	667
879-1	Citywide	Green Infrastructure	Development and implementation of green infrastructure projects	7.79	-	500,000	(500,000)	500,000
466	B	Louisiana Avenue Canal SWBNO Relocations Canal	Construction of covered canal in Louisiana Avenue right of way from S. Claiborne to Constance. This project will be constructed as a single project and take five years to complete. Paying costs associated with this construction project will be paid by DPW construction and engineering) and are currently estimated at \$22 million. The estimate for damage claims is listed under Extra Work. Eng. Est. \$123,000,000 Corps of Engineer SELA Program 65%	7.74	-	4,000,000	(4,000,000)	4,000,000
466	B	Louisiana Avenue Canal Entryway Temporary Relocations & S&WB Forensic Engineering	Construction of covered canal in Louisiana Avenue right of way from S. Claiborne to Constance. This project will be constructed as a single project and take five years to complete. Paying costs associated with this construction project will be paid by DPW construction and engineering) and are currently estimated at \$22 million. The estimate for damage claims is listed under Extra Work. Eng. Est. \$123,000,000 Corps of Engineer SELA Program 65%	7.74	-	1,000,000	(1,000,000)	1,000,000
478-1	A	S. Claiborne Ave Canal Phase I (Monticello St to Leonidas St) - Contract 4180CE SWBNO Engineering Fees	Design, construct & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program 65%	7.74	800,000	250,000	550,000	1,050,000
478-1	A	S. Claiborne Ave Canal Phase I (Monticello St to Leonidas St) - Contract 4180CE SWBNO Relocation Costs	Design, construct & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program 65%	7.74	1,200,000	250,000	950,000	1,450,000
478-1	A	S. Claiborne Ave Canal Phase I (Monticello St to Leonidas St) - Contract 4180CE Entryway Temporary Relocations & S&WB Forensic Engineering	Design, construct & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello. This work will be completed in two phases (Contract 4180CE). Construction will take four years to complete. Extra Work is consultant costs, damage claims and landscaping. Corps of Engineer SELA Program 65%	7.74	500,000	2,000,000	(1,500,000)	2,500,000
478-2	A	S. Claiborne Ave Canal Phase II (Leonidas St to Lowerline St) - Contract 4181CE SWBNO Engineering Fees	Design, construct & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello (Contract 4181CE). Construction in each phase will take four years to complete. Extra Work is for consultant, damage claims and landscaping in each phase. Corps of Engineer SELA Program 65%	7.74	500,000	250,000	250,000	750,000

Drainage WS 5

Canal Project #	Canal District	Canal Project Title	Description	Calculated Score	2013	2014	Difference Between 2013-2014	Total 2013-2014
478-2	A	S. Claiborne Ave Canal Phase II (Lacortas St to Lowerline St) - Contract 4181CE Emergency Temporary Relocations & S&WB Forensic Engineering	Design, cost & inspection of new drainage canal on S. Claiborne between Lowerline & Monticello (Contract 4181CE) Construction in each phase will take four years to complete. Extra Work is for consultant, damage claims and landscaping in each phase. Corps of Engineer SELA Program 65%	7.74	\$ 750,000	\$ 250,000	\$ 500,000	\$ 1,000,000
486-1	B	Napoleon Ave Canal Phase II/IS Claiborne Ave to Carondelet St) - Contract 4176CE SWBNO - Engineering Fees	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4176CE) Cost will take two years to complete. Contract Award \$55,121,351 Corps of Engineer SELA Program 65%	7.74	\$ 500,000	\$ 150,000	\$ 350,000	\$ 650,000
486-1	B	Napoleon Ave Canal Phase II (S Claiborne Ave to Carondelet St) - Contract 4176CE Emergency Temporary Relocations & S&WB Forensic Engineering	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4176CE) Cost will take two years to complete. Contract Award \$55,121,351 Corps of Engineer SELA Program 65%	7.74	\$ 350,000	\$ 500,000	\$ (150,000)	\$ 850,000
486-2	B	Napoleon Ave Canal Phase III (Carondelet St to Constance) - Contract 4177CE SWBNO Engineering Fees	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4177CE) Construction will take two years to complete. Eng. Est. \$46,101,745 Corps of Engineer SELA Program 65%	7.74	\$ 1,500,000	\$ 300,000	\$ 1,200,000	\$ 1,800,000
486-2	B	Napoleon Ave Canal Phase III (Carondelet St to Constance) - Contract 4177CE SWBNO Relocation Costs	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4177CE) Construction will take two years to complete. Eng. Est. \$46,101,745 Corps of Engineer SELA Program 65%	7.74	\$ 1,000,000	\$ 250,000	\$ 750,000	\$ 1,250,000
486-2		Napoleon Ave Canal Phase II (Carondelet St to Constance) - Contract 4177CE Emergency Temporary Relocations & S&WB Forensic Engineering	Design, construction and inspection of an additional canal in Napoleon Avenue right of way to increase the drainage capacity in the Uptown Basin (Contract 4177CE) Construction will take two years to complete. Eng. Est. \$46,101,745 Corps of Engineer SELA Program 65%	7.74	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 1,500,000
496-1	C	General DeCadeville Canal Improvements SWBNO (35% Cost share minus relocation and engineering fees)	Design, construction and inspection of drainage improvements within the General DeCadeville right of way between the Norman Canal and Wall Boulevard, Indiana St between Seine and Gentl DeCadeville, Sandra Dr/Peace St, Holiday Dr between Gentl DeCadeville and Vieux, Memorial Park between Texas and the Algiers Grunell Canal, and Lang between Gentl DeCadeville and Berkeley. This work is included in the proposed Algiers Basin-Plan E improvement area. Eng. Est. \$140,000,000 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 50,000	\$ (50,000)	\$ 50,000
497-1	D	Florida Avenue Canal Phase I (DPS No. 19 to Mazant St) - Contract 4160CE Corps of Engineer SELA Program 100%	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Construction of phase II (Pley St to Mazant St - Contract 4163CE) will begin in 2012. Eng. Est. \$100,544,622 Corps of Engineer SELA Program 65%	7.74	\$ 300,000	\$ 100,000	\$ 200,000	\$ 400,000
497-2	D	Florida Avenue Canal Phase II & III (St. Ferdinand to Mazant St) - Contract 4163/4164 SWBNO Engineering Fees	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Construction of phase II (Pley St to Mazant St - Contract 4163CE) will begin in 2012. Eng. Est. \$100,544,622 Corps of Engineer SELA Program 65%	7.74	\$ 4,000,000	\$ 4,900,000	\$ (900,000)	\$ 8,900,000
497-2		Florida Avenue Canal Phase II & III (St. Ferdinand to Mazant St) - Contract 4163CE/4164CE Emergency Temporary Relocations & S&WB Forensic Engineering	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Construction of phase II (Pley St to Mazant St - Contract 4163CE) will begin in 2012. Eng. Est. \$100,544,622 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 1,000,000	\$ (1,000,000)	\$ 1,000,000
497-4	D	Florida Avenue Canal Phase IV (Florida Ave/Peoples Canal) - Contract 4165CE SWBNO Relocation Costs	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Phase III (St. Ferdinand St to Pley St - Contract 4164CE) will begin in 2014. Eng. Est. \$116,203,720 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 6,200,000	\$ (6,200,000)	\$ 6,200,000
497-4		Florida Avenue Canal Phase IV (Florida Ave/Peoples Canal) - Contract 4165CE Emergency Temporary Relocations & S&WB Forensic Engineering	Design, construction and inspection of an open concrete canal within the Florida Avenue right of way between Peoples Avenue and DPS# 19. Phase III (St. Ferdinand St to Pley St - Contract 4164CE) will begin in 2014. Eng. Est. \$116,203,720 Corps of Engineer SELA Program 65%	7.74	\$ -	\$ 1,500,000	\$ (1,500,000)	\$ 1,500,000
499-1	A, B	Jefferson Ave Canal Phase I (S Claiborne Ave to Dryades) - Contract 4178CE SWBNO Engineering Fees	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE) Corps of Engineer SELA Program 65%. Eng. Est. \$65,726,775	7.74	\$ 2,012,000	\$ 300,000	\$ 1,712,000	\$ 2,312,000
499-1	A, B	Jefferson Ave Canal Phase I (S Claiborne Ave to Dryades) - Contract 4178CE SWBNO Relocation Costs	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE) Corps of Engineer SELA Program 65%. Eng. Est. \$65,726,775	7.74	\$ 4,500,000	\$ 4,900,000	\$ (400,000)	\$ 9,400,000

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Canal Project #	Canal District	Canal Project Title	Description	Calculated Score	2013	2014	Difference Between 2013-2014	Total 2013-2014
499-1	A, B	Jefferson Ave Canal Phase I (S Claiborne Ave to Dryades) - Contract 4178CE Battery Temporary Relocations & Forensic Engineering	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance (Contract 4178CE) Corps of Engineer SELA Program 65% Eng. Est. \$65,726,776	7.74	\$ 1,000,000	\$ 600,000	\$ 400,000	\$ 1,600,000
499-2	D	Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE SWANO Engineering Fees	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance - Contract 4179CE will start in 2012. Corps of Engineer SELA Program 65%	7.74	\$ 500,000	\$ 100,000	\$ 400,000	\$ 600,000
499-2	D	Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE SWANO Relocation study	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance - Contract 4179CE will start in 2012. Corps of Engineer SELA Program 65%	7.74	\$ 1,100,000	\$ 1,700,000	\$ (600,000)	\$ 2,800,000
499-2	D	Jefferson Ave Canal Phase II (Dryades to Constance) - Contract 4179CE Battery Temporary Relocations & S&WB Forensic Engineering	Design, construction and inspection of a covered canal within the Jefferson Avenue right of way between S. Claiborne and Constance - Phase II (Dryades to Constance - Contract 4179CE) will start in 2012. Corps of Engineer SELA Program 65%	7.74	\$ 1,000,000	\$ 500,000	\$ 500,000	\$ 1,500,000
613-11	Clywilde	Modifications to the Power Generating System 33/5/60 W/SD	Install Feedwater pump for Boiler 2, boiler pump to cleaveland, replace boiler instrument compress air system (1-25 HV/1-60HZ)	7.66	\$ 60,000	\$ -	\$ 60,000	\$ 60,000
613-12	Clywilde	Modifications to the Power Generating System W/SD	Install deaerator and well pump, repair basement leaks, Participation by others	10.00	\$ 600,000	\$ -	\$ 600,000	\$ 600,000
511-4	C	Normal Extensions & Replacement-DPS	Repairs to Discharge Tubes - DPS 3	7.66	\$ 500,000	\$ 4,600,000	\$ (4,100,000)	\$ 5,100,000
612	A, B, D	Furnishing Emergency Generation for Drainage Underpass Pumping Stations 100% D	Generators are desirable at various Underpass Stations (Canal Blvd, St. Bernard Ave., Paris Ave., Press Dr., Old Carrollton, new Carrollton and Hospital St)	7.45	\$ -	\$ 250,000	\$ (250,000)	\$ 250,000
843-9	Clywilde	Minor Equipment Purchases 33/33/34 W/SD	Customer Services: Upgrade telephone center equipment & software to symposium	7.15	\$ 34,000	\$ 51,000	\$ (17,000)	\$ 85,000
843-10	Clywilde	Minor Equipment Purchases 33/ 33/ 34 W/SD	Upgrade telephone equipment at various locations throughout SWANO (DPS 13, SES C, DPS 6, Algiers WTP, DPS 4, CWP Admin & Engineering	7.15	\$ 6,800	\$ 34,000	\$ (27,200)	\$ 40,800
807-1	B	Improvements to Central Y and & St. Joseph Street 33/33/34 W/SD	St. Joseph: Replace 2nd floor IT air conditioning unit pumps, drive motors and controls	6.96	\$ 1,975,000	\$ 1,975,000	\$ -	\$ 3,950,000
843-7	Clywilde	Minor Equipment Purchases 33/ 33/ 34 W/SD	Central Y and Grange 1 and II, Body Shop, Old Warehouse, Inventory, Support Services (Admin Bldg), EMIS-Install pre-Katrina telecom equipment for newly repaired facilities	6.85	\$ 28,050	\$ -	\$ 28,050	\$ 28,050
807-2	B	Improvements to Central Y and & St. Joseph Street 33/33/34 W/SD	St. Josephs: Replacement of switchgear for generator hook-up.	6.76	\$ 123,750	\$ 330,000	\$ (206,250)	\$ 453,750
810-1	Clywilde	Major Equipment Purchases 33/33/34 W/SD	Vehicle replacement (large trucks, cranes, etc.) at approximately 15 equipment and 15 heavy trucks each year.	5.80	\$ 100,000	\$ 66,000	\$ 34,000	\$ 166,000
810-6	Clywilde	Major Equipment Purchases 33/33/34 W/SD	Grange 1 Replacement of 2 hydraulic lifts	5.80	\$ -	\$ 5,500	\$ (5,500)	\$ -5,500
810-2	Clywilde	Major Equipment Purchases 33/33/34 W/SD	Vehicle replacement Central Yard/Warehouse Forklift (2), pallet jack and bulldozers (2)	5.72	\$ 1,650	\$ -	\$ 1,650	\$ 1,650
843-5	Clywilde	Major Equipment Purchases 33/33/34 W/SD	Warehouse: Replace shelving	5.71	\$ -	\$ 33,000	\$ (33,000)	\$ 33,000
807-6	B	Improvements to Central Y and & St. Joseph Street 33/33/34 W/SD	St. Josephs: Replace/repair west hydraulic elevator.	5.33	\$ -	\$ 51,150	\$ (51,150)	\$ 51,150
511-12	D	Normal Extensions & Replacement-DPS	Exterior Painting of DPS 17	5.10	\$ 1,000,000	\$ -	\$ 1,000,000	\$ 1,000,000
811-2	Clywilde	Plant Stationary Equipment 1.00% D	Laser alignment machine for pump/motors	5.06	\$ 75,000	\$ 100,000	\$ (25,000)	\$ 175,000
843-6	Clywilde	Minor Equipment Purchases 33/ 33/ 34 W/SD	Grounds Maintenance: Pothole driver, iron wheel for curves edges	5.00	\$ 660	\$ -	\$ 660	\$ 660
811-1	Clywilde	Plant Stationary Equipment 1.00% D	Replacement of bridge cranes, etc.	4.97	\$ 51,000	\$ 52,000	\$ (1,000)	\$ 103,000
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<u>Capital Project #</u>	<u>Council District</u>	<u>Capital Project Title</u>	<u>Description</u>	<u>Calculated Score</u>	<u>2013</u>	<u>2014</u>	<u>Difference Between 2013-2014</u>	<u>Total 2013-2014</u>
812-4	Citywide	Computer Systems Development 33/33/34 W/SD	Implementation of AVL automatic vehicle locator system	4.83	\$ -	\$ 600,000	\$ (600,000)	\$ 600,000
812-1	Citywide	Computer Systems Development 33/33/34 W/SD	Warehouse: Install scanning equipment for inventory, labeling barcodes and associated software	4.54	\$ 3,400	\$ 3,300	\$ 100	\$ 6,700
807-8	B	Improvements to Central Y and St. Joseph Street 33/33/34 W/SD	St. Josephs: Upgrade and replace 8 security cameras and associated recording instrument.	4.37	\$ 660	\$ -	\$ 660	\$ 660
843-42	Citywide	Upgrade Network Infrastructure	Purchase of new routers and switches beyond useful life	3.93	\$ -	\$ 60,000	\$ (60,000)	\$ 60,000
807-3	B	Improvements to Central Y and St. Joseph Street 33/33/34 W/SD	St. Josephs: Modification of restroom facility to provide for direct and secure access for telephone system operators	2.82	\$ 3,300	\$ -	\$ 3,300	\$ 3,300
<b>Total</b>					\$ 36,748,221	\$ 52,385,617	\$ (15,637,396)	\$ 89,133,938
Total Drainage Capital Program*					\$ 1,127,442,980	\$ 355,135,500	\$ 772,307,480	\$ 1,482,578,480

\*The total for Payback Corps of Engineers (\$114,845,607) was subtracted from the total drainage capital program of 2014