



GRANT AMENDMENT

Agency Tracking # 34101-20518	Edison ID	Contract # 34101-6116	Amendment # 11		
Contractor Legal Entity Name METRO NASHVILLE-DAVIDSON COUNTY			Edison Vendor ID 4		
Amendment Purpose & Effect(s) INCREASE AWARD					
Amendment Changes Contract End Date: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		End Date: 04/29/2020			
TOTAL Contract Amount INCREASE or DECREASE per this Amendment (zero if N/A):			\$5,190,470.49		
Funding —					
FY	State	Federal	Interdepartmental	Other	TOTAL Contract Amount
2018	\$3,788,901.35	\$68,200,224.69			\$71,989,126.04
TOTAL:	\$3,788,901.35	\$68,200,224.69			\$71,989,126.04
American Recovery and Reinvestment Act (ARRA) Funding: <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO					
Budget Officer Confirmation: There is a balance in the appropriation from which obligations hereunder are required to be paid that is not already encumbered to pay other obligations.			OCR USE		
Speed Chart (optional)		Account Code (optional) 71301000			

**AMENDMENT ELEVEN
OF GRANT CONTRACT 34101-6116**

This Grant Contract Amendment is made and entered by and between the State of Tennessee, Department of Military, Tennessee Emergency Management Agency, hereinafter referred to as the "State" and Metro Nashville-Davidson County, hereinafter referred to as the "Grantee." It is mutually understood and agreed by and between said, undersigned contracting parties that the subject Grant Contract is hereby amended as follows:

1. Grant Contract Section C.1. is deleted in its entirety and replaced with the following:
 - C.1. Maximum Liability. In no event shall the maximum liability of the State under this Grant Contract exceed seventy-one million, nine hundred eighty-nine thousand, one hundred twenty-six dollars and 04/100 (\$71,989,126.04). The Grant Budget, attached and incorporated hereto as Attachment 1, shall constitute the maximum amount due the Grantee for all service and Grantee obligations hereunder. The Grant Budget line-items include, but are not limited to, all applicable taxes, fees, overhead, and all other direct and indirect costs incurred or to be incurred by the Grantee.
2. Grant Contract Attachment 1 is deleted in its entirety and replaced with the new Attachment 1 attached hereto.

Required Approvals. The State is not bound by this Amendment until it is signed by the contract parties and approved by appropriate officials in accordance with applicable Tennessee laws and regulations (depending upon the specifics of this contract, said officials may include, but are not limited to, the Commissioner of Finance and Administration, the Commissioner of Human Resources, and the Comptroller of the Treasury).

Amendment Effective Date. The revisions set forth herein shall be effective February 9, 2018. All other terms and conditions of this Grant Contract not expressly amended herein shall remain in full force and effect.

IN WITNESS WHEREOF,

METRO NASHVILLE-DAVIDSON COUNTY:

GRANTEE SIGNATURE

DATE

MEGAN BARRY, MAYOR

PRINTED NAME AND TITLE OF GRANTEE SIGNATORY (above)

SIGNATURE PAGE
FOR

GRANT NO. Flood Public Assistance 10-20 Amdt 11

IN WITNESS WHEREOF, the parties have by their duly authorized representatives set their signatures.

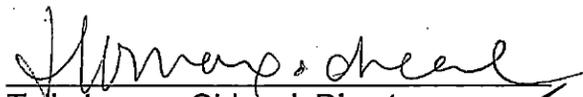
**METROPOLITAN GOVERNMENT OF
NASHVILLE AND DAVIDSON COUNTY**

see below

Department

Date

APPROVED AS TO AVAILABILITY
OF FUNDS:



Talia Lomax-O'dneal, Director
Department of Finance

1-29-18

Date

APPROVED AS TO RISK AND INSURANCE:

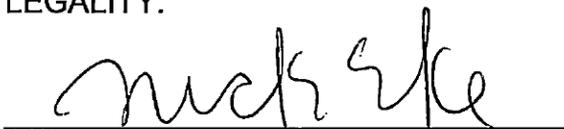


Director of Risk Management Services

1/30/18

Date

APPROVED AS TO FORM AND
LEGALITY:



Metropolitan Attorney

1/31/18

Date

see previous page

Megan Barry
Metropolitan Mayor

Date

ATTEST:

Metropolitan Clerk

Date

DEPARTMENT OF MILITARY, TENNESSEE EMERGENCY MANAGEMENT AGENCY:

**MG TERRY M. HASTON, THE ADJUTANT GENERAL,
MILITARY DEPARTMENT**

DATE

**I certify that this entity meets Civil Rights
Title VI compliance.**

Signature

Date

Reviewed by Dept. of Military Civil Rights Title VI Officer

ATTACHMENT 1

Page 1

GRANT BUDGET				
GRANTEE NAME: METRO NASHVILLE-DAVIDSON COUNTY				
PRESIDENTIAL DECLARATION FEMA-1909-DR-TN FOR SEVERE STORMS, FLOODING, STRAIGHT-LINE WINDS AND TORNADOES IN APRIL AND MAY 2010.				
The grant budget line-item amounts below shall be applicable only to expense incurred during the following				
Applicable Period: BEGIN: 04/30/2010 END: 04/29/2020				
POLICY 03 Object Line-Item Reference	EXPENSE OBJECT LINE-ITEM CATEGORY ¹	GRANT CONTRACT	GRANTEE MATCH	TOTAL PROJECT
1.2	Salaries, Benefits & Taxes	0.00	0.00	0.00
4.15	Professional Fee, Grant & Award ²	71,989,126.04	3,788,900.98	75,778,027.02
5, 6, 7, 8, 9, 10	Supplies, Telephone, Postage & Shipping, Occupancy, Equipment Rental & Maintenance, Printing & Publications	0.00	0.00	0.00
11.12	Travel, Conferences & Meetings	0.00	0.00	0.00
13	Interest ²	0.00	0.00	0.00
14	Insurance	0.00	0.00	0.00
16	Specific Assistance To Individuals	0.00	0.00	0.00
17	Depreciation ²	0.00	0.00	0.00
18	Other Non-Personnel ²	0.00	0.00	0.00
20	Capital Purchase ²	0.00	0.00	0.00
22	Indirect Cost	0.00	0.00	0.00
24	In-Kind Expense	0.00	0.00	0.00
n/a	Grantee Match Requirement (for any amount of the required Grantee Match that is <u>not</u> specifically delineated by budget line-items above)	0.00	0.00	0.00
25	GRAND TOTAL	71,989,126.04	3,788,900.98	75,778,027.02

¹ Each expense object line-item shall be defined by the Department of Finance and Administration Policy 03, *Uniform Reporting Requirements and Cost Allocation Plans for Subrecipients of Federal and State Grant Monies, Appendix A.* (posted on the Internet at: <http://www.state.tn.us/finance/act/documents/policy3.pdf>).

² Applicable detail follows this page if line-item is funded.

³ A Grantee Match Requirement is detailed by this Grant Budget, and the maximum total amount reimbursable by the State pursuant to this Grant Contract, as detailed by the "Grant Contract" column above, shall be reduced by the amount of any Grantee failure to meet the Match Requirement.

ATTACHMENT 1

Page 2

GRANT BUDGET LINE-ITEM DETAIL:

PROFESSIONAL FEE, GRANT & AWARD	AMOUNT
APPLICANT ID: 037-52004-00 Small and Large Projects	68,200,224.69
STATE SHARE:	3,788,901.35
TOTAL	71,989,126.04



Capture Date: 10/26/2017 12:50

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 4

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0219(214)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05540(2)	B	N	11-04-2010	(524,356.00)

Facility Number: 1
 Facility Name: Emergency Protective Measures : Police Department
 Location:

Scope of Work: **** Version 2 **** This version has been prepared as a result of an Audit performed by the IG and costs questioned as outlined in Audit OIG-16-112-D finding A: unreasonable equipment costs.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-04654(1)	B	N	11-04-2010	(654,557.00)

Facility Number: 1
 Facility Name: NABFF30 - Emergency Protective Measures; Police Department
 Location:

Scope of Work: **** Version 1 **** This version has been prepared as a result of an Audit performed by the IG and costs questioned as outlined in Audit OIG-16-112-D finding A: unreasonable equipment costs.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-03551(2)	B	N	11-04-2010	(843,383.00)

Facility Number: 1
 Facility Name: NABFF01 - Emergency Protective Measures (Police Department)
 Location:

Scope of Work: **** Version 2 **** This version has been prepared as a result of an Audit performed by the IG and costs questioned as outlined in Audit OIG-16-112-D finding A: unreasonable equipment costs.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02031(2)	A	N	11-04-2010	(117,129.00)

Facility Number: 1
 Facility Name: NAAJS05 - Debris County/Wide
 Location:

Scope of Work: **** Version 2 **** This version has been prepared to de-obligate funds that were questioned by the Office of the Inspector General and outlined in Audit OIG-16-112-D. The findings were associated with unsupported documentation, Finding B, Recommendation 2, and Unapplied Credit Finding C, Recommendation 3. The Subgrantee has concurred.

4 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	(2,139,425.00)	0.00	(2,139,425.00)
Federal Share (\$)	(1,925,482.50)	0.00	(1,925,482.50)

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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 4



Capture Date: 10/26/2017 12:52

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 2

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0221(217)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05276(2)	E	N	11-04-2011	6,416.78

Facility Number: 1
 Facility Name: MTA Admin. & Maintenance Facility
 Location:

Version One: This version is to process the applicants request for an improved project. The improvements include the following: The Nashville Metropolitan Transit Authority Bus Maintenance facility (located at 130 Nestor St.) is in the process of being restored to complete working conditions. Since the facility was the only means of keeping the entire bus transportation system operational (a 24 hour/365 day operation) for the City of Nashville, the restoration was approached in phases prioritized by the building systems that kept the fleet operational. Those individual projects are described below: Building Electrical Distribution System - All existing electrical distribution panels, disconnects and receptacles were elated to cleaned and breakers replaced. To prevent further damages and the shutdown of the Nashville bus system in the event of future flooding, the electrical panels were raised above the flood level. This was accomplished by purchasing new panels (with the breakers included in the price) in lieu of cleaning the existing panels and installing new breakers, new transformers were purchased and installed above the flood line on steel platforms. Fire Alarm/Life Safety Systems/Security Systems-The fire alarm system was replaced due to the absence of the main fire panel, previously installed in a communications closet on the first floor. This closet, along with the entire first floor, was submerged during the flood event. It was removed during the cleanup of the first floor and non-recoverable. The system fire panel was no in production, nor available. A new panel was required, and since fire alarm systems require U.L. Approved proprietary initiation devices, new compatible initiation devices had to be installed per the manufacturer throughout the facility. The system also included the low voltage wiring for the bus security gates and card readers throughout the facility. The panels for all these systems were reinstalled above the flood line or on the second floor. First Floor Administration Offices - The first floor administration area was comprised of administrative functions, and driver dispatch, bus driver support functions, i.e. break room, restrooms, etc. Since this entire first level was submerged and sustained heavy damage throughout, the administrative functions were removed from the first floor to minimize future destruction of facilities, property, electronic equipment, etc. The previous remaining bus driver support areas and driver dispatch functions were reconfigured as they remain on the first floor. The restrooms were reconfigured to include ADA assessable toilets. Showers were added to the restrooms. Banks of lockers for the drivers were added as additional equipment. Security cameras were added for the entrances to the first floor. A new aluminum storefront entrance door and window was added to create a new entry separating visitors from the bus drivers/bus yard entrance. New lighting and ceilings will be installed due to aggressive demolition. Mechanical systems will be upgraded to respond to the new configuration of the floor plan and new exhaust systems installed for the bathrooms. In the driver's exercise room, carpet tiles have been installed in lieu of the vinyl tiles. A new kitchenette with a sink is included in the drivers breakroom area and the maintenance breakroom, therefore plumbing and electrical outlets must be provided. ADDITIONAL INFORMATION FOR EHP REVIEW: Improvements to the facility in 1992 are attached. Please see attached document that also includes photos and answers all questions submitted by EHP.

**** Version 2 **** This version has been prepared as a result of a partial first appeal approval for additional costs and DAC.

Scope of Work:

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02654(2)	G	N	11-04-2011	56.04

Facility Number: 1
 Facility Name: NAGLF01 - Harpeth Youth Soccer Field Bridge

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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 2

Location:

VERSION 2 Final Inspection and Closeout - Overrun

This version is being written in response to final inspection and closeout. The applicant has requested an overrun in the amount of \$56.04 for additional direct administrative costs. All work has been completed. See back up documentation.

Scope of Work:

2 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	6,472.82	0.00	6,472.82
Federal Share (\$)	5,825.54	0.00	5,825.54



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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0222(218)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05511(1)	G	N	11-04-2011	314,005.21

Facility Number:

1

Facility Name:

Sand Bunkers and Irrigations system on golf course

Location:

Ted Rhodes Golf Course, 1901 Ed Temple Blvd., Nashville, TN. 37208

Scope of Work:

Work To Be Completed:

Toro VT II controller boxes and parts are no longer available or produced by TORO. This system will require different Toro equipment to perform the same function as the irrigation system was performing before the disaster.... This system is being restored to original design, function and capacity. The original irrigation system was manually operated from 31 Toro VT II controllers, located throughout the course, which activated the hydraulic lines for each sprinkler line running from the Toro VT II controller. Toro stopped manufacturing the VT II controller in 1993. No replacement Toro VT II controllers have been found.... Toro Irrigation dealer, Smith Turf, Justin Hermsdofer, 704-512-9132, provided the equipment that would interface with the existing irrigation system. Toro's golf irrigation systems now operate from a central computerized main controller. Manual controller systems are no longer available. Mr. Hermsdofer also provided the cost for each new piece of the equipment required to bring the irrigation system back on line. This information was used in the attached CEF....

In addition, the Applicant claims damage to 41 sand bunkers. Sand bunkers were originally built to a minimum depth of 6 inches of sand throughout the bunker. Applicant has advised that many of the sand bunkers have a drainage system consisting of perforated 4 inch corrugated plastic pipe including silt socked, surrounded by 6 inches of rock in all directions and wrapped in ground cloth filter fabric. The drainage system was then covered to a minimum depth of 6 inches of sand. While on site, due to silt buildup, we were unable to see the drainage systems in any of the bunkers without excavating the drainage system. Applicant has not been able to validate which sand bunkers contain drainage systems but will provide site photographs and validation of existing drainage systems as construction progresses. An estimate has been made in the scope of this PW and CEF for repair/replacement of the bunker drainage system.... Applicant has been informed this amount will be deducted from this PW until the Applicant provides proof of an existing bunker drainage system....

Work to be completed can be found in the tabs following the CEF, in detail, for all irrigation requirements for each controller location and for each sand bunker on a hole by hole basis....

Work to be completed is as follows:..

Item . Hole 1....

1. Bunker 2, 36.1835, -86.8294, 80 Ft. x 48 Ft. = 3840 SF rebuild with drainage.
2. Irrigation controller 1, 36.1838, -86.8246, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed.
3. Irrigation controller 1 & 2, 36.1835, -86.8282, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed....

Hole 2....

No work required....

Hole 3....

4. Bunker 3, 36.1875, -86.8287, 27 Ft. x 27 Ft. = 729 SF.
5. Bunker 4, 36.1876, -86.8286, 33 Ft. x 24 Ft. = 792 SF.
6. Bunker 5, 36.1877, -86.8285, 33 Ft. x 33 Ft. = 1089 SF.
7. Irrigation controller 4 & 5, 36.1864, -86.8294, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed.
8. Irrigation controller 6 & 7, 36.1876, -86.8282, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed....

Hole 4....

9. Bunker 6, 36.1846, -86.8266, 48 Ft. x 40 Ft. = 1920 SF.
10. Bunker 7, 36.1847, -86.8261, 36 Ft. x 36 Ft. = 1296 SF.

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

11. Irrigation controller 8 & 9, 36.1843, -86.8261, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed....
Hole 5....
12. Bunker 8, 36.1837, -86.8289, 51 Ft. x 27 Ft. = 1377 SF....
Hole 6....
13. Bunker 9, 36.1859, -86.8281, 36 Ft. x 27 Ft. = 972 SF.
14. Bunker 10, 36.186, -86.8281, 36 Ft. x 45 Ft. = 1620 SF.
15. Bunker 11, 36.1862, -86.8281, 27 Ft. x 30 Ft. = 810 SF.
16. Bunker 12, 36.1864, -86.8279, 30 Ft. x 30 Ft. = 900 SF.
17. Bunker 13, 36.1864, -86.8278, 35 Ft. x 39 Ft. = 1365 SF.
18. Bunker 14, 36.1865, -86.8277, 39 Ft. x 38 Ft. = 1482 SF.
19. Bunker 15, 36.1867, -86.8277, 33 Ft. x 30 Ft. = 990 SF.
20. Bunker 16, 36.1866, -86.828, 35 Ft. x 30 Ft. = 1050 SF.
21. Irrigation controller 10 & 11, 36.1868, -86.8281, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed....
Hole 7....
22. Bunker 17, 36.1841, -86.8299, 24 Ft. x 27 Ft. = 648 SF....
Hole 8....
23. Bunker 18, 36.1822, -86.8272, 85 Ft. x 36 Ft. = 3060 SF.
24. Bunker 19, 36.1818, -86.8257, 18 Ft. x 23 Ft. = 414 SF.
25. Bunker 20, 36.1821, -86.8256, 60 Ft. x 18 Ft. = 1080 SF.
26. Irrigation controller 12 & 13, 36.1825, -86.8287, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed.
27. Irrigation controller 14, 36.1824, -86.8253, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed....
Hole 9....
28. Bunker 21, 36.1831, -86.8249, 65 Ft. x 60 Ft. = 3900 SF.
Hole 10
29. Bunker 22, 36.1881, -86.8283, 27 Ft. x 30 Ft. = 810 SF.
30. Bunker 23, 36.1886, -86.8629, 24 Ft. x 39 Ft. = 936 SF.
31. Irrigation controller 15 & 16, 36.1873, -86.8273, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed....
Hole 11....
32. Bunker 24, 36.1915, -86.8233, 20 Ft. x 93 Ft. = 1860 SF.
33. Bunker 25, 36.1918, -86.8229, 15 Ft. x 45 Ft. = 675 SF.
34. Irrigation controller 17 & 18, 36.1918, -86.8229, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed.
35. Irrigation controller 19, 36.1921, -86.8254, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed....
Hole 12....
36. Bunker 26, 36.1924, -86.8231, 55 Ft. x 47 Ft. = 2585 SF.
37. Irrigation controller 20, 36.1916, -86.8218, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed.
38. Irrigation controller 21, 36.1925, -86.8227, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed....
Hole 13....
39. Bunker 27, 36.1931, -86.8199, 54 Ft. x 24 Ft. = 1296 SF.
40. Bunker 28, 36.1935, -86.8193, 60 Ft. x 24 Ft. = 1440 SF.
41. Bunker 29, 36.1942, -86.8181, 55 Ft. x 30 Ft. = 1650 SF.
42. Irrigation controller 22, 36.1936, -86.8201, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed.
43. Irrigation controller 23, 36.1942, -86.8181, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed....
Hole 14....
44. Bunker 30, 36.1921, -86.8202, 84 Ft. x 21 Ft. = 1764 SF.
45. Bunker 31, 36.1916, -86.8215, 27 Ft. x 51 Ft. = 1377 SF....
Hole 15....
46. Bunker 32, 36.1925, -86.8182, 21 Ft. x 18 Ft. = 378 SF.
47. Bunker 33, 36.1925, -86.8182, 24 Ft. x 18 Ft. = 432 SF.

Capture Date: 10/26/2017 12:54

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

- 48. Bunker 34, 36.1927, -86.8183, 24 Ft. x 21 Ft. = 504 SF.
- 49. Irrigation controller 24 & 25, 36.1922, -86.8191, E-OSMAC Satellite, 24 station controller, with level 4 surge protection, (2) hydraulic systems, grounding, furnished and installed.
- 50. Irrigation controller 26, 36.1931, -86.8183, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed....
Hole 16....
- 51. Bunker 35, 36.1916, -86.8202, 72 Ft. x 15 Ft. = 1080 SF....
Hole 17....
- 52. Bunker 36, 36.1913, -86.8241, 66 Ft. x 18 Ft. = 1188 SF.
- 53. Bunker 37, 36.1915, -86.8244, 90 Ft. x 23 Ft. = 2070 SF.
- 54. Bunker 38, 36.1916, -86.8253, 60 Ft. x 36 Ft. = 2160 SF.
- 55. Irrigation controller 27, 36.1901, -86.8225, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed....
Hole 18....
- 56. Bunker 39, 36.1861, -86.8249, 42 Ft. x 42 Ft. = 1764 SF.
- 57. Bunker 40, 36.1861, -86.8252, 70 Ft. x 66 Ft. = 4620 SF.
- 58. Bunker 41, 36.1856, -86.8248, 90 Ft. x 51 Ft. = 4590 SF.
- 59. Irrigation controller 28, 36.1885, -86.8275, E-OSMAC Satellite, 16 station controller, with level 4 Surge protection, hydraulic system, grounding plates furnished and installed.
- 60. Irrigation controller 29, 30, 31, 36.1857, -86.8247, E-OSMAC Satellite, 40 station controller, With level 4 surge protection, hydraulic system, grounding plates furnished and installed....

Main controls located above flood line.

Equipment required to operate controllers: These systems no longer are manually activated in the field. The replacement system requires a computer generated application to run the in-place irrigation system. The items below make up the main control system....

- 61. Toro Synergy Standard Computer, with all software furnished and installed to run irrigation system.
- 62. 5db fiberglass antenna, 50' Base Antenna Cable, Antenna Mounting Bracket furnished and installed.
- 63. Radio Site Survey.
- 64. Pr400 Handheld Radio with Keypad and charger. (2)
- 65. Programming complete system for full operations....

Drainage Pipe in sand bunkers has been removed until validated by photographs from Applicant for each sand bunker. Applicant has been notified and agrees to this requirement. (1,811 LF Estimated Drainage Pipe x \$71.42/LF = \$129,342)....

Photographs of each controller and sand trap are located in file....

Fully documented direct administration costs will be captured when project is finalized....

Note:

John Johnson, Construction Manager, Heery, 856-275-1154 cell.

Lynn Ray, Vice President, Golf Management Group, 615-372-2490 cell.

Phil Locket, Superintendent Golf Course Maintenance, Metropolitan Nashville Parks Department, 615-372-4161 cell.

**** Version 1 **** This version has been prepared to reinstate costs as a result of a 2nd appeal approval. In addition, the Subgrantee has submitted its actual costs for the repair work in question. This is a FIR

1 PW	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	314,005.21	0.00	314,005.21
Federal Share (\$)	282,604.69	0.00	282,604.69



Capture Date: 10/26/2017 12:55

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0223(219)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05441(1)	E	N	11-04-2011	(214.16)

Facility Number: 1
Facility Name: Building (Offender Re-Entry Center)

Location:

Scope of Work: ***** VERSION 1 ***** This Version has been created due to a request for this PW to be withdrawn. The Request was submitted by the Grantee on April 20, 2017.

1 PW	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	(214.16)	0.00	(214.16)
Federal Share (\$)	(192.74)	0.00	(192.74)



Capture Date: 10/26/2017 12:57

Federal Emergency Management Agency
Project Application Grant Report (P.2)
Disaster: FEMA-1909-DR-TN

Number of Records: 3

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0224(220)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05598(3)	E	N	11-04-2011	121,184.97

Facility Number:

1

Facility Name:

Wet Weather Pump Station, Influent Pump Station, and Storm Water Pump Station

Location:

**** Version 3 **** This version has been prepared as a result of a 2nd appeal approval. Based on the analysis, the work to replace the grinder control panel, 2 unit heaters and various buckets in the electrical room have been determined have been included in the SOW.

Scope of Work:

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05495(2)	F	N	11-04-2011	24,923.00

Facility Number:

1

Facility Name:

Ferric Chloride Building & Contents

Location:

**** Version 2 **** This version has been prepared as a result of a 2nd appeal approval. Based on the documentation submitted the SOW has been amended to include the replacement of conduits and various conductors.

Scope of Work:

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-04706(1)	G	N	11-04-2011	210,010.34

Facility Number:

1

Facility Name:

McCabe Golf Course

Location:

**** Version 1 **** This version has been prepared as a result of a 2nd appeal approval and actual costs submitted by the Subgrantee with its final inspection. FIR Complete

Scope of Work:

3 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	356,118.31	0.00	356,118.31
Federal Share (\$)	320,506.48	0.00	320,506.48



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Federal Emergency Management Agency
Project Application Grant Report (P.2)
Disaster: FEMA-1909-DR-TN

Number of Records: 1

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0225(221)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05597(3)	F	N	11-04-2011	1,560,819.15

Facility Number: 1

Facility Name: Secondary Treatment and Contents

Location:

Scope of Work: *****PW 5597 - HMP VERSION LANGUAGE

Version Two: This version is to process the applicant's submission of a hazard mitigation proposal for the Dry Creek Wastewater Treatment Plant. The applicant has submitted a HMP in the amount of \$9,256,712.00. The applicant would like to do the following: Install a perimeter wall around the facility with 3 flood gates at site entrance to an elevation two feet above the flood of record. Install one new pump station and upgrade the existing pump station inside the perimeter wall to accommodate up to over 1000-year rainfall events. Provide isolation of utility lines and seats for conduits crossing the perimeter flood wall. ADDITIONAL DETAILS: Sheet Pile Flood Walls

Flood walls will be constructed in areas of the plant that are not currently protected by existing structures and berms and other areas that currently do not have any means of flood protection. The perimeter flood wall will utilize a sheet piling system composed of PVC walls. The sheet piling will extend into the ground twice the height above ground. Refer to Figure 2 showing a close-up of a sheet piling system with a concrete cap. The sheet piling will be installed with conventional pile driving equipment, which will be appropriate for the soil and site conditions. Caps and walers are often used to improve the sheet pile wall stiffness and for distributing the impact and debris loads. Caps are used for barbed wire attachments as well. At buried utility/pipe crossing locations, sheet piling can be notched and concrete collars can seal the gap between the sheet piling and the utility/pipe. Concrete collars can also provide additional support for the sheet piling. Access over the sheet piling can also be provided where needed. Utility/pipe crossing locations are shown in Appendix A. Where flood gates are located, concrete posts will provide a water-tight seal between the interrupted sheet pile locations and the flood gates. Several existing structures will be used as a perimeter wall without the need for modifications. These include the Equalization (EQ) Basins, Aeration Tanks, and Primary Clarifiers.
_ Equalization Basins - The outer walls of the EQ Basins have a top of structure elevation of 441.0 feet, which is 3.2 feet above the flood protection elevation. Figure 3 below is a view of the southeast corner of the EQ Basin structure. During a flood event, the EQ Basins must be full to counter the hydrostatic forces imparted on the outside of the tank walls by the flood water. It is very likely that the EQ Basins will be full as flood waters rise, as the plant should be receiving flow in excess of its capacity. If not, the EQ Basins can be filled in less than 8 hours. Filling the EQ Basins will be included in the standard operating procedures (SOP) for preparing for an imminent flood.
Aeration Tanks - The top of the outer walls of the Aeration Tanks have a top of structure elevation of 437.75 feet, which is 0.95 feet above the flood protection elevation. One of the outer walls of the Aeration Tanks is shown in Figure 4. Concerning the hydrostatic forces of the flood waters, all of the Aeration Tanks are normally full except during infrequent maintenance when one of the six tanks could be out of service. If one of the tanks is out of service, it could be filled very quickly.
_ Primary Clarifiers - The top of the outer walls of the primary clarifiers have a top of structure elevation of 439.25 feet, which is 2.45 feet above the flood protection elevation. A view along the back of the Primary Settling Tanks is shown in Figure 4. Similar to the Aeration Tanks, all primary clarifiers are typically online during a flood event, and even if offline, can be filled very quickly such that the hydrostatic forces of the flood water on the outer tank walls are offset. The primary clarifier effluent channels will also be modified to include several weir gates to allow discharge of primary effluent during the flood.

Small Berms and Re-Graded Ground Surface

There are two areas where the existing ground surface is within less than two feet of the flood protection elevation, where berms will be constructed. The berms will be designed to maintain

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Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

existing drainage patterns and can have shallow slopes to allow standard lawn care practices. One area will require raising a portion of the road near the main plant entrance. If this is difficult logistically, a flood gate can be installed near the guard shack on plant property instead.

Site Drainage and Pumping

Gravity Sanitary Sewer Manholes near Chlorine Building

There are two gravity sanitary sewer manholes near the chlorine building that are associated with the relocation of a 42-inch interceptor sewer that was required during the construction of final settling tanks #7 and #8 as part of the mid 1990's plant upgrade. These manholes will be hydraulically connected to the flood waters outside the perimeter flood protection system. Therefore, the manholes must either be retrofitted with pressure-tight covers and the manhole sections and cone modified to be able to withstand the pressure of the flood waters, or gated vault structures can be installed to prevent flood waters from entering the plant during a flood, but also allow wastewater to flow freely during normal times. The vaults would have to be designed to resist the buoyant forces of the saturated ground around it during a flood. Additionally, the vaults can be used to install temporary dewatering pumps during a flood, if needed. To be conservative, for the purposes of this HMP, installation of gated structures will be assumed for the plant-wide perimeter flood protection alternative.

Stormwater Pumping and Drainage

The existing DCWWTP presently has an underground, combined gravity-flow/pumped stormwater collection and drainage system consisting of reinforced concrete piping (RCP), concrete catch basins, a stormwater sediment separator, and a stormwater pump station. The RCP sizes range from 10 inches to 30 inches in diameter. A stormwater sediment separator is utilized to separate the larger solids and debris from the stormwater flow prior to downstream discharge into Dry Creek. This stormwater collection and drainage system collects approximately 85% of the rainfall runoff from the site and directs the flow to an existing stormwater diversion structure and pump station, located on the southern edge of the site. This structure discharges stormwater to Dry Creek, just prior to its confluence with the Cumberland River. Under normal operation, it is designed to allow gravity flow into Dry Creek. Under high flood stage, manually operated sluice gates are operated to close the gravity discharge line and allow flow to enter the pump station wet well to be pumped through the existing force main to the flooded side of the berm. The remaining 15 % of the DCWWTP site drains toward the northern side of the site, where grading directs stormwater runoff down an existing access road to Grizzard Branch, extending along the east side of the plant site, prior to discharging into the Cumberland River. The protection system for the DCWWTP site does not significantly impact the area presently served by the stormwater collection and drainage system. Approximately 35% of the WWTP site is open basin area that can accept the design rainfall without affecting operation. The area of the site most affected by the proposed flood wall location is the central northern side, where the wall will enclose an area of the site that drains away from the existing stormwater collection and drainage system. The existing stormwater pump station houses one submersible pump, rated at 8,250 gallons per minute at 32 feet total dynamic head. This almost twenty-year old pump is operated only during a high flood stage event. More recent hydraulic calculations indicate that the existing pump is conservatively adequate for stormwater flows associated with a record flood event. If it is determined that this pump is still adequate for use, it could still be utilized during flood situations. It would also be prudent to alter the existing stormwater pump station to include another pump to provide redundancy. For ease of operation, electric operators could also be installed on the existing gates and valves at the existing stormwater pump station. The proposed flood wall for the DCWWTP site does not significantly impact the area presently served by the stormwater collection and drainage system. Approximately 35% of the WWTP site is open basin area that can accept the design rainfall without affecting operation. The area of the site most affected by the proposed flood wall location is the central northern side, where the wall will enclose an area of the site that drains away from the existing stormwater collection and drainage system. The position of the proposed flood wall in this area would require the installation of drainage piping and catch basins to capture and direct the stormwater to a new second stormwater pump station located in the vicinity of the Locker Building. Similar to the existing stormwater pump station, it would include a diversion structure to normally allow stormwater to flow by gravity to a discharge adjacent to the access road. Under high flood stage, manually operated valves can be operated to close the gravity discharge line and direct flow to the pump station. This station would be an in-ground, packaged pump station, with two submersible pumps, each rated at 250 gallons per minute at 25 feet total dynamic head and

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Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

powered by 5 Hp motors. This arrangement would provide for 100% backup pumping capability, if needed, but would also allow both pumps to be operated simultaneously, if storm intensity is greater than the design storm intensity. This pump station would have a 6-inch diameter discharge force main that would extend over the flood wall to discharge stormwater onto a thick layer of rip-rap stone, just outside the wall.

Electrical Distribution

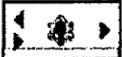
The main electrical power distribution located in the yard will be protected from flooding as part of the perimeter flood wall protection. It is imperative that the primary power conductors and conduits that feed the main switchgear do not allow the infiltration of flood waters through the conduits and into the electrical gear. The DCWWTP has an overhead primary power feed and the perimeter flood protection alternative is configured to keep the power poles with the primary power feed on the dry side of the wall, which will keep flood waters from flowing freely into the primary power conduits. The stormwater pumps will be provided with emergency generators so that their continued operation during a flood is ensured.

Flood Gates

As shown in Appendix A, there are three locations where flood gates are necessary, either for normal or limited use. Flood gates for normal use will be normally open, and for limited use will be installed closed. This will minimize the impact of the flood gates during normal daily life, but also limit the effort required to close or install the flood gates when flooding is imminent. There are many different types of flood gates, which will be evaluated during the detailed design phase of the project. Some flood gates can be installed as typical swinging gates; others are removable but will require lifting equipment to install. There are also flip-up type gates that are normally flush with the ground, but are buoyant and float up automatically when flooding occurs.

**** Version 3 **** This version has been prepared as a result of a 2nd appeal decision. Based on the documentation submitted the SOW has been amended to include the replacement of cable and conduit, power and control cables, and flow tubes as well as field verify, supply, install rewire, test, and replace various lighting and receptacle components.

1-PW	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	1,560,819.15	0.00	1,560,819.15
Federal Share (\$)	1,404,737.24	0.00	1,404,737.24



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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 8

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0226(222)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05593(3)	F	N	11-04-2011	623,712.00

Facility Number:

1

Facility Name:

Building 40 - Anaerobic Digesters #1, #4, #5

Location:

Scope of Work:

***** Version 2 *****

This version is to process the applicant's request for an improved project. The applicant would like to install a high gas take-off cover on digesters #4 & 5. The funding for this project will be limited to the federal share of the costs that would be associated with repairing or replacing the damaged facility to its pre-disaster design.

*****Version Three: This version is to process the 2nd appeal determination to fund the costs granted by the second appeal for resident engineering services and construction management services. It is noted in the appeal that final costs will be reconciled at closeout. In addition, this version is also to process the applicant's request for a Hazard Mitigation Proposal in the amount of \$4,218,831.00. The applicant has included a BCA with their HMP to show the cost effectiveness. Although this HMP will mitigate flooding for all PWs related to the Bio Solids WWTP (PWs #5570, #5593, #5531, #5571, #5579, #5580, #5575, #5586, #5567 and #5569) this HMP will be attached to PW #5593. This HMP will include construction of a perimeter flood wall around the facility with two flood gates at the site entrances to an elevation two feet above the flood of record. It will also include installation of two pump stations inside of the perimeter wall to accommodate up to 500 year rainfall events. It will also include isolation of utility lines and seals for conduits crossing the perimeter flood wall. STRUCTURAL REQUIREMENTS: The perimeter flood wall will utilize a sheet piling system composed of ShoreGuard PVC walls. The sheet piling will extend into the ground twice the height above ground. The PVC sheet piling will be installed with conventional pile driving equipment. At buried utility/pipe crossing locations, sheet piling will be notched and concrete collars will seal the gap between the sheet piling and the utility/pipe. Concrete collars will also provide additional support for the sheet piling. Where flood gates are located, concrete posts will provide a water-tight seal between the interrupted sheet pile locations and the flood gates. In general, the sheet pile flood wall will protrude about 5 feet above grade. SITE DRAINAGE AND PUMPING: A perimeter flood protection approach will require provisions to protect the internal area against storm events and backing up of site drainage and sewer piping. Stormwater collection and drainage systems have been sized based upon the area to be served, any structures located within the area, the ground cover and soil type receiving the rainfall, and, most important, the intensity of the rainfall event. A 500-year rainfall event has been selected for mitigation. Additionally, the drainage system includes a safety factor for seepage under the flood walls and inside the protected area. If the water level inside the flood wall exceeds this flowrate of the permanent stormwater pumps, portable pumps and piping will be used to supplement the permanently installed pumps. The proposed stormwater pump stations will be in-ground, packaged pump stations, with two submersible pumps each, one rated at 250 gallons per minute at 25 feet total dynamic head powered by 5 Hp motors, and the other rated at 1500 gallons per minute at 25 feet total dynamic head powered by 20 Hp motors. This arrangement provides for 100% backup pumping capability, if needed, but will allow both pumps to be operated simultaneously if the storm intensity is higher than the design assumptions. Additionally, sanitary and storm sewer piping will be provided with automatically actuating isolation valves to prevent the sewer from backing up inside the perimeter wall. ELECTRICAL DISTRIBUTION: The main electrical power distribution located in the yard will be protected from flooding as part of the perimeter flood wall protection. It is imperative that the primary power conductors and conduits that feed the main switchgear are flood proofed to prevent the infiltration of flood waters through the conduits and into the electrical gear. The electrical conduits which pass to the other side of the perimeter wall will be sealed to keep water from entering the site. Annual maintenance to check the integrity of the seal will be performed. An alternative to be considered during detailed design would be to raise the conduit above the flood protection level in a "goose-neck" to prevent flood waters entering the equipment. FLOOD GATES: Flood gates will be

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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 8

required at the front and at the rear of the facility. Consideration was given to providing drive-over berms in lieu of gates, but, due to the need for gentle slopes for the large trucks entering and leaving the site, there was not enough land available. There are different types of flood gates available which can be evaluated during the design phase of the project. There are types which are self actuating during a flood, but these require periodic maintenance to be sure they will close during the flood. Drop in or swing gates do not require much maintenance but need equipment and time to close. Self actuating flood gates have been selected for the HMP, but a more detailed analysis will be performed during the design phase. ADDITIONAL INFORMATION FOR EHP: The new flood wall will be installed on previously disturbed ground. The ground was disturbed during construction of the Facility. See attached grading plan record drawing. There will be no work done on previously undisturbed ground.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-04867(4)	E	N	11-04-2011	251,546.26

Facility Number:

1

Facility Name:

Metropolitan Nashville Public Schools - District Wide Vehicles

Location:

Scope of Work:

**** Version 4 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-04838(4)	E	N	11-04-2011	190,352.80

Facility Number:

1

Facility Name:

Metropolitan Nashville Public Schools - District Wide Vehicles

Location:

Scope of Work:

**** Version 4 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02200(3)	E	N	11-04-2011	76,425.99

Facility Number:

1

Facility Name:

NAEHR02 - Damaged Vehicles

Location:

Scope of Work:

**** Version 3 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02199(3)	E	N	11-04-2011	55,651.79

Facility Number:

1

Facility Name:

NAEHR05 - Damaged Vehicles

Location:

Scope of Work:

**** Version 3 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 8

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02193(3)	E	N	11-04-2011	60,460.41

Facility Number: 1
Facility Name: NAEHR04 - Damaged Vehicles
Location:

Scope of Work: **** Version 3 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02174(4)	E	N	11-04-2011	283,900.70

Facility Number: 1
Facility Name: NAEHR07- Damaged Vehicles
Location:

Scope of Work: **** Version 4 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02165(4)	E	N	11-04-2011	62,289.02

Facility Number: 1
Facility Name: NAEHR01- Damaged Vehicles
Location:

Scope of Work: **** Version 4 **** This version has been prepared as a result of a 1st appeal approval. The Subgrantee has provided documentation that they have obtained insurance.

8 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	1,604,338.97	0.00	1,604,338.97
Federal Share (\$)	1,443,905.07	0.00	1,443,905.07



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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 1

Applicant ID: 037-52004-00
Bundle # : PA-04-TN-1909-
State-0227(223)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-02636(2)	F	N	11-04-2011	(28,302.79)

Facility Number: 1
 Facility Name: MEFAM05 - Electrical
 Location:

Version #2:

Scope of Work: Final Inspection has been received dated 01-05-2017, reflecting actual costs for \$143,222.36, bringing an underrun in the amount of (-\$28,302.79)

1 PW	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	(28,302.79)	0.00	(28,302.79)
Federal Share (\$)	(25,472.51)	0.00	(25,472.51)



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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 3

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0228(224)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05579(2)	F	N	11-04-2011	23,395.99

Facility Number: 1
 Facility Name: Bio Solids Admin Building 50
 Location:

Version #2:

Scope of Work: This FIR has been written to comply with EHP Standard Conditions 1, 2 and 3 delineated in the Project Worksheet. The project is completed.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05574(3)	E	N	11-04-2011	3,189,722.88

Facility Number: 1
 Facility Name: Plant Primary Electrical Distribution
 Location:

**** Version 3 **** This version has been prepared as a result of a 2nd appeal approval. Based on an analysis performed this version approves the identified work to restore several transformers and its associated components, cable, and wires. In addition the appeal has approved the removal, cleaning, and replacement of damaged power and control cables and conduits in the U-4, U-7, U-8, U-9, and U-10 substations.

Scope of Work:

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05567(2)	F	N	11-04-2011	19,829.69

Facility Number: 1
 Facility Name: Bio Solids WWTP - Building 75 - Fats, Oils, Greases
 Location:

**** Version 2 - Final Inspection and Closeout ****

As a result of final inspection review, this report is prepared to obligate \$19,829.69.

The reported cost of \$147,823.57, minus the obligated amount of \$106,266.03 resulted in an overrun of \$19,929.69. PW 5567 was written to repair the Bio Solids Facility (Building 75) system and equipment to pre-disaster condition.

Scope of Work:

3 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	3,232,948.56	0.00	3,232,948.56
Federal Share (\$)	2,909,653.70	0.00	2,909,653.70

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Federal Emergency Management Agency
Project Application Grant Report (P.2)
Disaster: FEMA-1909-DR-TN

Number of Records: 5

Applicant ID: 037-52004-00
Bundle # : PA-04-TN-1909-
State-0232(228)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05586(2)	F	N	11-04-2011	36,537.56

Facility Number: 1
Facility Name: Truck Loading Building 65 - Bio Solids WWTP
Location:

****VERSION 2 - FINAL INSPECTION AND CLOSEOUT

This version is being written to document final claimed costs by the applicant. The applicant is requesting an overrun in the amount of \$36,537.56.

Scope of Work: Final claims have been verified by the grantee.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05571(2)	F	N	05-04-2014	48,584.65

Facility Number: 1
Facility Name: Flares - Building 46 - Bio Solids WWTP
Location:

**** Version 2 **** This version has been prepared to document the Subgrantee's costs incurred to complete the work associated with the PW that were identified at the final inspection. FIR Complete:

Scope of Work:

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05569(2)	F	N	11-04-2011	19,620.24

Facility Number: 1
Facility Name: Bio Solids WWTP - Building 80.- Recirculating Pump Station
Location:

****Version 2 - Final Inspection and Closeout
This Version is being written to document final claimed costs by the applicant. The applicant is requesting an overrun in the amount of \$19,620.24

Scope of Work: final claims have been verified by the grantee

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05531(2)	F	N	11-04-2011	96,656.59

Facility Number: 1
Facility Name: Building 45 - Boiler and Compressor Rooms Systems
Location:

****Version 2**** Final Inspection and Closeout

This version is being written to document final claimed costs by the applicant. The applicant is requesting an overrun in the amount of \$96,656.59.

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Federal Emergency Management Agency
Project Application Grant Report (P.2)
Disaster: FEMA-1909-DR-TN

Number of Records: 5

Final claims have been verified by the grantee.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05523(3)	E	N	11-04-2011	13,691.00

Facility Number:

1

Facility Name:

Generator Building - K R Harrington Water Treatment Plant

Location:

Scope of Work:

**** Version 3 **** This version has been prepared as a result of a 2nd appeal decision to approve costs associated with the resident engineering services.

5 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	215,090.04	0.00	215,090.04
Federal Share (\$)	193,581.04	0.00	193,581.04

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Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 3

Applicant ID: 037-52004-00
Bundle #: PA-04-TN-1909-
State-0233(229)

Applicant: NASHVILLE-DAVIDSON

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05580(2)	F	N	11-04-2011	297,058.16

Facility Number: 1
Facility Name: Building 60 - Solids Processing Bldg - Bio Solids WWTP
Location:

*****VERSION 2 - FINAL INSPECTION AND CLOSEOUT AND TO INCLUDE 2ND APPEAL*****
This version is being written to for final claims from the applicant. As part of the final inspection report, an overrun of \$297,058.16 which includes \$117,165.00 for a second appeal determination. According to the 2nd appeal letter, the appeal is granted and reconciliation of final costs for resident engineering services and review of associated procurement documentation will need to occur at closeout.

Scope of Work: The state has reviewed the documentation.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-05575(2)	F	N	11-04-2011	15,374.26

Facility Number: 1
Facility Name: Bio Solids WWTP - Regenerative Thermal Oxidizer (RTO) System
Location:

*****VERSION 2 - FINAL INSPECTION AND CLOSEOUT*****
This version is being written to document final claimed costs by the applicant. The applicant is requesting an overrun in the amount of \$15,374.26.

Scope of Work: Final claims have been verified by the grantee.

PW #	Cat	Cost Share	Projected Completion Date	Approved PW Amount (\$)
PA-04-TN-1909-PW-03263(2)	E	N	11-04-2011	29,369.58

Facility Number: 1
Facility Name: NAETD18 - Dry Creek WWTP - Main Office Building
Location:

Scope of Work: *****Version One: This version is to grant the applicant additional funding as a result of the first appeal determination approval for missed damaged windows, doors, walls and mechanical components with reasonable repair costs associated with damaged items that were omitted from the obligated PW. During the insurance review, a deduction was added for anticipated flood insurance proceeds for the additional funding granted in the first appeal in the amount of (\$62,912.11).

*****VERSION 2 - FIRST APPEAL DETERMINATION, PARTIALLY APPROVED*****
This version was created to reimburse the applicant for partial anticipated flood insurance proceeds that were deducted on version 1 of this project worksheet. The applicant appealed FEMA's decision to deduct all costs associated with version 1 (which was also a first appeal determination) and it was determined that the appeal be partially granted for \$29,369.58. FEMA may only reimburse costs that are ineligible or non-recoverable through the NFIP for locations

Capture Date: 12/21/2017 13:33

Federal Emergency Management Agency

Project Application Grant Report (P.2)

Disaster: FEMA-1909-DR-TN

Number of Records: 3

damaged in a SFHA. In this instance, the NFIP would not have covered \$29,369.58 in damages associated with PW 3263. Accordingly, those costs are eligible for Public Assistance funding and the appeal is partially approved.

3 PWs	PWs (\$)	Subgrantee Admin Exp. (\$)	Total (\$)
Amount Eligible (\$)	341,802.00	0.00	341,802.00
Federal Share (\$)	307,621.79	0.00	307,621.79

Federal Award Identification Worksheet

Subrecipient's name (must match registered name in DUNS)	Metro-Nashville Davidson County
Subrecipient's DUNS number	078217668
Federal Award Identification Number (FAIN)	FEMA-1909-DR-TN
Federal Award Date	5/4/2010
CFDA number and name	97.036 - Public Assistance Grants
Grant contract's begin date	4/30/2010
Grant contract's end date	4/29/2020
Amount of federal funds obligated by this grant Contract	\$68,200,224.69
Total amount of federal funds obligated to the subrecipient	Consolidated data not available
Total amount of the federal award to the pass-through entity (Grantor State Agency)	\$218,667,237.30
Name of federal awarding agency	Federal Emergency Management Agency
Name and contact information for the federal awarding official	Gracia Szczech Regional Administrator FEMA Region IV 3003 Chamblee-Tucker Road Atlanta, Georgia 30341
Is the federal award for research and development?	No
Indirect cost rate for the federal award (See 2 C.F.R. 200.331 for information on type of indirect cost rate)	N/A