



Solid Waste Debris Removal Contract, Monitoring Contract and FEMA Reimbursement- Hurricane Harvey



Council Presentation
November 14, 2017



Multi-Hazard Disaster Debris Management Plan



The City of Corpus Christi Disaster Debris Management Plan (DDMP) provides key information to initiate and manage debris removal operations following a major debris-generating event.

The DDMP is an Accepted Debris Management Plan by FEMA, that entitles the City to receive a one-time incentive of 2% Cost Share Increase for expenses incurred during the first 90 days of operations.



Debris Recovery Contract



CrowderGulf was selected through an RFP Bid Invitation No. BI-0167-13 in 2013.

- CrowderGulf began brush debris collection on August 31st, 6 days after the storm made landfall.
 - CrowderGulf has picked up an excess of 426,000 cubic yards as of day 66 for a total estimated amount \$5,946,096.07.
 - Amendment No. 1 will allow CrowderGulf to haul the debris from the temporary debris site to the Cefe Valenzuela Landfill for \$236,875.
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CrowderGulf High Capacity Equipment





CrowderGulf





CrowderGulf





Debris Monitoring Contract



Tetra Tech was selected through a Cooperative Purchasing Agreement with Houston-Galveston Area Council in August 2011.

- Task Order No. 1 - Monitors the debris recovery contractors, quantifies and verifies CrowderGulf volumes, completes and submits paperwork in accordance with FEMA requirements for an estimated amount of \$1,570,041.
 - Task Order No. 2 - from Tetra Tech is \$90,427 to assemble City Force Account data to assure maximum FEMA reimbursement.
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Tetra Tech Monitors





Tetra Tech Monitoring Station





Debris Management Sites



To accommodate the enormous amount of debris and brush, the following two of the City-owned sites were pre-qualified by TCEQ and used:

- Vacant lot across from the J.C. Elliott Transfer Station
- Cefe Valenzuela Landfill

Each site is monitored for compliance with environmental standards.



Debris Management Site Grinding Vegetative Waste





Mulch For Landfill Projects





Other Challenges



Other challenges include:

- Illegal dumping
- Mixed Debris
- Mattresses
- White goods – Refrigerators', washers, dryers etc.



Mixed Debris





Mixed Debris





Mixed Debris





Mixed Debris





Mixed Debris



Nov 2, 2017 10:49:43 AM
Corpus Christi



Mixed Debris





Wooden Fences





Refrigerators and Freezers





Illegal Dumping





Summary



| | | | | | |
|---|--|--|--|--|-----------------------|
| City of Corpus Christi - Solid Waste Operations | | | | | |
| Hurricane Harvey Estimated Debris Removal Expenses | | | | | |
| Summary | | | | | |
| | | | | | |
| Debris Management Contractor - Crowder Gulf (Agenda Item 17-1375) | | | | | \$6,182,971.07 |
| Debris Management Monitor - Tetra Tech (Agenda Item 17-1376) | | | | | \$1,660,468.00 |
| Force Account - City of Corpus Christi - Employees (Agenda Item not required) | | | | | \$1,091,213.64 |
| | | | | | |
| Total Hurricane Harvey Estimated Debris Removal Expenses | | | | | <u>\$8,934,652.71</u> |
| | | | | | |
| General Fund Balance for Major Contingencies: | | | | | \$5,000,000.00 |
| Partial Grant from (FEMA): | | | | | <u>\$4,069,836.99</u> |
| Total amount: | | | | | \$9,069,836.99 |
| | | | | | |
| | | | | | |
| General Fund and partial Grant | | | | | \$9,069,836.99 |
| Force Account/CrowderGulf/Tetra Tech | | | | | <u>\$8,934,652.71</u> |
| | | | | | \$135,184.28 |



Questions?
