

**BID RESULTS**

City of Riverside

Finance Dept./Purchasing

<b>Due Date</b>	10/22/2015	<b>Bid No.</b>	7351
<b>Before</b>	2:30pm	<b>Estimate</b>	N/A

**Bid Description****Tequesquite Landfill Gas Flare Replacement Project****Apparent Low Bidder**

Hemet Mfg. Co., Inc. dba Genesis Construction

**Location**

Hemet, CA

**Bid Amount**

\$560,777.00

**Additional Bid Responses**

CB&amp;I Environmental &amp; Infrastructure, Inc.

**Location**

Baton Rouge, LA

**Bid Amount**

\$1,113,615.00

**Non-Responsive**

Humphrey Constructors

Diversified Project Services International, Inc.

**BID RESULTS**

City of Riverside  
Finance Dept./Purchasing

<b>Due Date</b>	10/22/2015	<b>Bid No.</b>	7351
<b>Before</b>	2:30pm	<b>Estimate</b>	N/A

<b>Bid Description</b>					
Tequesquite Landfill Gas Flare Replacement Project					
<b>Low Bidder</b>					
<b>Hemet Mfg. Co., Inc. dba Genesis Construction</b>					
<b>Item No.</b>	<b>Item Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Ext. Price</b>
1	Mobilization and Demobilization (not to exceed 5% of Bid Items 2 through 22)	1	LS	\$26,000.00	\$26,000.00
2	Coordination with City's Surveyor for Construction Staking and Record Surveys	1	LS	\$573.00	\$573.00
3	Relocate Existing 3" Clean-out and Vault Box; item includes all labor, equipment, and materials needed to extend the location of the existing clean-out to the location shown on the Construction Drawings.	1	LS	\$3,600.00	\$3,600.00
4	Fabricate, Pour, and Cure Concrete Foundations; item includes all labor, equipment, and materials to construct all concrete foundations as shown on the Construction Drawings, including all formwork and reinforcement steel.	16	CY	\$850.00	\$13,600.00
5	Procure Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes coordinating with the vendor for the design, preparation of shop drawings, equipment fabrication, shop testing, and shipping of equipment to project site.	1	LS	\$270,000.00	\$270,000.00
6	Unload and Mount Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes all labor, equipment, and materials needed to receive, offload, set and secure vendor equipment to the constructed concrete foundations.	1	LS	\$11,854.00	\$11,854.00
7	Install Condensate Sump Assembly; item includes all labor, equipment, and materials to install the HDPE/316 S.S components for the condensate sump assembly as shown on the Construction drawings, including interior and exterior appurtenances. Item also includes all necessary excavation and backfill.	1	LS	\$25,000.00	\$25,000.00
8	Install 8" HDPE SDR 17 Inlet Header; item includes all labor, equipment, and materials to install the 8" HDPE inlet header from its tie-in to the existing gas header from the landfill to the condensate sump. Item also includes all necessary trenching, pipe placement, backfill and compaction.	13	LF	\$500.00	\$6,500.00
9	Install 8" S.S. 316 Inlet Header; item includes all labor, equipment, and materials to install the 8" 316 S.S. inlet header from its tie-in at the condensate sump to the inlet connection on the blower skid. Item also includes any associated trenching, pipe placement, backfill and compaction.	6	LF	\$500.00	\$3,000.00
10	Install 4" and 8" S.S. 316 Discharge Header; item includes all labor, equipment, and materials to install the 4" and 8" S.S discharge header from its tie-in at the blower skid to the inlet connection on the flare. Item also includes the installation of the two (2) pipe supports; and flame arrestor and flow meter sensor assembly along the 4-inch pipe.	1	LS	\$25,000.00	\$25,000.00
11	Install 2" HDPE SDR 9 Air Supply Piping; item includes all labor, equipment, and materials to install the 2" HDPE air supply line from its tie-in location to the condensate sump location and over to the edge of the blower skid. Item also includes all necessary trenching, pipe placement, backfill and compaction.	36	LF	\$400.00	\$14,400.00

12	Install 1/4" S.S. Air Supply Tubing; item includes all labor, equipment, and materials to install the 1/4" stainless steel tubing air supply line from its tie-in location at the end of the 2" HDPE piping next to the blower skid over and up to its connection on the autovalve installed on the blower skid. Item also includes all necessary tie-downs and mounting hardware to secure the tubing to the skid.	15	LF	\$200.00	\$3,000.00
13	Install 1/2" Black Steel Propane Gas Piping; item includes all labor, equipment, and materials to install the 1/2" black gas piping from its tie-in location at the existing propane tanks over to its connection to the pilot gas solenoid valve on the new flare. This also includes mounting the pipe to the existing block wall as it is currently installed, and all necessary trenching, pipe placement, backfill and compaction needed to extend it over to the flare location.	75	75	\$100.00	\$7,500.00
14	Install 4" HDPE SDR 17 x 2" HDPE SDR 11 Dual-Contained Condensate Forcemain; item includes all labor, equipment, and materials to install the 4" x 2" dual-contained HDPE condensate forcemain from its tie-in at the condensate sump location and over to its tie-in to the existing 4" HDPE SDR 17 drain line. Item also includes the flanged 4" check valve and vault box, and all necessary trenching, pipe placement, backfill and compaction.	105	LF	\$150.00	\$15,750.00
15	Install Electrical Grounding Rods; item includes all labor, equipment, and materials to install the 2 electrical grounding rods and round valve boxes per the Construction Drawings, including all necessary excavation, backfill and compaction.	2	EA	\$1,000.00	\$2,000.00
16	Install all Electrical Conduit and Conductor Runs; item includes all labor, equipment, and materials to install the electrical conduits and conductors as shown on the Construction Drawings. Item also includes completing the conductor connections inside the electrical panels, the electrical pull box next to the existing control building, all EYS/EZS seal off fittings, and all necessary trenching, corings, conduit/conductor placement, backfill and compaction.	1	LS	\$30,000.00	\$30,000.00
17	Install SCADA System Upgrades; based on the design prepared by the flare manufacturer for the SCADA system upgrades, this item includes all labor, equipment, and materials needed to upgrade the City's existing SCADA system for the new blower/flare system. Using the prepared system upgrade diagrams and vendor-supplied equipment, this item includes all installations associated with the new system. If necessary, this item will also include any associated conduits and conductors, and all EYS/EZS seal off fittings, and all necessary trenching, conduit/conductor placement, backfill and compaction.	1	LS	\$4,000.00	\$4,000.00
18	Shutdown Existing Flare System and Complete Electrical Tie-in to New System; when ready, this item includes all labor, equipment, and materials needed to coordinate with City to shut down the existing LFG flare system, and complete the change of re-routing power to the new system.	1	LS	\$5,000.00	\$5,000.00
19	System Activation and Startup/Adjustments; item includes all labor, equipment, and materials needed to initially startup the new blower/flare system and make the necessary adjustments to achieve steady-state operating conditions. This item includes up to 2-days by the equipment vendors field representative to observe system operation and assist with system adjustments that may be needed to operate the system in accordance with applicable regulatory requirements, and per the City's instructions.	1	LS	\$15,000.00	\$15,000.00

20	SCADA System Startup and Adjustments; item includes all labor, equipment, and materials needed to initially startup the upgraded SCADA system. This item includes up to 2-days by the equipment vendors field representative to check out the system operation, assist with any needed system adjustments, and assist City personnel with any instructions/procedures.	1	LS	\$3,000.00	\$3,000.00
21	Shutdown and Lockout Existing System Components; item includes all labor, equipment, and materials needed to de-energize all of the original existing equipment that is no longer in service, and place tag-out labels on all existing electrical panels no longer being utilized.	1	LS	\$2,000.00	\$2,000.00
22	Site Cleanup and Gravel Surface Restoration; item includes all labor, equipment, and materials needed for final site cleanup and to restore the existing gravel surfacing within the blower/flare facility to it pre-existing condition. This may also include the purchase, delivery and placement of additional gravel base material, as needed.	1	LS	\$74,000.00	\$74,000.00
					<b>Bid Total</b>
					<b>\$560,777.00</b>

<b>Subcontractor Information</b>			
<b>Subcontractor Name</b>	<b>Location</b>	<b>Portion</b>	<b>Amount</b>
Big Bear Electric	Big Bear, CA	Electrical	\$31,665

**BID RESULTS**

City of Riverside  
Finance Dept./Purchasing

<b>Due Date</b>	10/22/2015	<b>Bid No.</b>	7351
<b>Before</b>	2:30pm	<b>Estimate</b>	N/A

<b>Bid Description</b>					
Tequesquite Landfill Gas Flare Replacement Project					
<b>Bidder</b>					
Humphrey Constructors					
Item No.	Item Description	Qty	Unit	Unit Price	Ext. Price
1	Mobilization and Demobilization (not to exceed 5% of Bid Items 2 through 22)	1	LS	\$37,000.00	\$37,000.00
2	Coordination with City's Surveyor for Construction Staking and Record Surveys	1	LS	\$1,000.00	\$1,000.00
3	Relocate Existing 3" Clean-out and Vault Box; item includes all labor, equipment, and materials needed to extend the location of the existing clean-out to the location shown on the Construction Drawings.	1	LS	\$3,300.00	\$3,300.00
4	Fabricate, Pour, and Cure Concrete Foundations; item includes all labor, equipment, and materials to construct all concrete foundations as shown on the Construction Drawings, including all formwork and reinforcement steel.	16	CY	\$2,000.00	\$32,000.00
5	Procure Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes coordinating with the vendor for the design, preparation of shop drawings, equipment fabrication, shop testing, and shipping of equipment to project site.	1	LS	\$680,000.00	\$680,000.00
6	Unload and Mount Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes all labor, equipment, and materials needed to receive, offload, set and secure vendor equipment to the constructed concrete foundations.	1	LS	\$25,000.00	\$25,000.00
7	Install Condensate Sump Assembly; item includes all labor, equipment, and materials to install the HDPE/316 S.S components for the condensate sump assembly as shown on the Construction drawings, including interior and exterior appurtenances. Item also includes all necessary excavation and backfill.	1	LS	\$26,000.00	\$26,000.00
8	Install 8" HDPE SDR 17 Inlet Header; item includes all labor, equipment, and materials to install the 8" HDPE inlet header from its tie-in to the existing gas header from the landfill to the condensate sump. Item also includes all necessary trenching, pipe placement, backfill and compaction.	13	LF	\$500.00	\$6,500.00
9	Install 8" S.S. 316 Inlet Header; item includes all labor, equipment, and materials to install the 8" 316 S.S. inlet header from its tie-in at the condensate sump to the inlet connection on the blower skid. Item also includes any associated trenching, pipe placement, backfill and compaction.	6	LF	\$500.00	\$3,000.00
10	Install 4" and 8" S.S. 316 Discharge Header; item includes all labor, equipment, and materials to install the 4" and 8" S.S discharge header from its tie-in at the blower skid to the inlet connection on the flare. Item also includes the installation of the two (2) pipe supports; and flame arrestor and flow meter sensor assembly along the 4-inch pipe.	1	LS	\$4,000.00	\$4,000.00
11	Install 2" HDPE SDR 9 Air Supply Piping; item includes all labor, equipment, and materials to install the 2" HDPE air supply line from its tie-in location to the condensate sump location and over to the edge of the blower skid. Item also includes all necessary trenching, pipe placement, backfill and compaction.	36	LF	\$100.00	\$3,600.00

12	Install 1/4" S.S. Air Supply Tubing; item includes all labor, equipment, and materials to install the 1/4" stainless steel tubing air supply line from its tie-in location at the end of the 2" HDPE piping next to the blower skid over and up to its connection on the autovalve installed on the blower skid. Item also includes all necessary tie-downs and mounting hardware to secure the tubing to the skid.	15	LF	\$20.00	\$300.00
13	Install 1/2" Black Steel Propane Gas Piping; item includes all labor, equipment, and materials to install the 1/2" black gas piping from its tie-in location at the existing propane tanks over to its connection to the pilot gas solenoid valve on the new flare. This also includes mounting the pipe to the existing block wall as it is currently installed, and all necessary trenching, pipe placement, backfill and compaction needed to extend it over to the flare location.	75	75	\$40.00	\$3,000.00
14	Install 4" HDPE SDR 17 x 2" HDPE SDR 11 Dual-Contained Condensate Forcemain; item includes all labor, equipment, and materials to install the 4" x 2" dual-contained HDPE condensate forcemain from its tie-in at the condensate sump location and over to its tie-in to the existing 4" HDPE SDR 17 drain line. Item also includes the flanged 4" check valve and vault box, and all necessary trenching, pipe placement, backfill and compaction.	105	LF	\$95.00	\$9,975.00
15	Install Electrical Grounding Rods; item includes all labor, equipment, and materials to install the 2 electrical grounding rods and round valve boxes per the Construction Drawings, including all necessary excavation, backfill and compaction.	2	EA	\$1,000.00	\$2,000.00
16	Install all Electrical Conduit and Conductor Runs; item includes all labor, equipment, and materials to install the electrical conduits and conductors as shown on the Construction Drawings. Item also includes completing the conductor connections inside the electrical panels, the electrical pull box next to the existing control building, all EYS/EZS seal off fittings, and all necessary trenching, corings, conduit/conductor placement, backfill and compaction.	1	LS	\$25,000.00	\$25,000.00
17	Install SCADA System Upgrades; based on the design prepared by the flare manufacturer for the SCADA system upgrades, this item includes all labor, equipment, and materials needed to upgrade the City's existing SCADA system for the new blower/flare system. Using the prepared system upgrade diagrams and vendor-supplied equipment, this item includes all installations associated with the new system. If necessary, this item will also include any associated conduits and conductors, and all EYS/EZS seal off fittings, and all necessary trenching, conduit/conductor placement, backfill and compaction.	1	LS	\$8,000.00	\$8,000.00
18	Shutdown Existing Flare System and Complete Electrical Tie-in to New System; when ready, this item includes all labor, equipment, and materials needed to coordinate with City to shut down the existing LFG flare system, and complete the change of re-routing power to the new system.	1	LS	\$5,000.00	\$5,000.00
19	System Activation and Startup/Adjustments; item includes all labor, equipment, and materials needed to initially startup the new blower/flare system and make the necessary adjustments to achieve steady-state operating conditions. This item includes up to 2-days by the equipment vendors field representative to observe system operation and assist with system adjustments that may be needed to operate the system in accordance with applicable regulatory requirements, and per the City's instructions.	1	LS	\$37,000.00	\$37,000.00
20	SCADA System Startup and Adjustments; item includes all labor, equipment, and materials needed to initially startup the upgraded SCADA system. This item includes up to 2-days by the equipment vendors field representative to check out the system operation, assist with any needed system adjustments, and assist City personnel with any instructions/procedures.	1	LS	\$4,000.00	\$4,000.00

21	Shutdown and Lockout Existing System Components; item includes all labor, equipment, and materials needed to de-energize all of the original existing equipment that is no longer in service, and place tag-out labels on all existing electrical panels no longer being utilized.	1	LS	\$2,500.00	\$2,500.00
22	Site Cleanup and Gravel Surface Restoration; item includes all labor, equipment, and materials needed for final site cleanup and to restore the existing gravel surfacing within the blower/flare facility to it pre-existing condition. This may also include the purchase, delivery and placement of additional gravel base material, as needed.	1	LS	\$1,000.00	\$1,000.00
					<b>Bid Total</b>
					<b>\$919,175.00</b>

<b>Subcontractor Information</b>			
<b>Subcontractor Name</b>	<b>Location</b>	<b>Portion</b>	<b>Amount</b>
Big Bear Electric	Big Bear, CA	Electrical	

**BID RESULTS**

City of Riverside  
Finance Dept./Purchasing

<b>Due Date</b>	10/22/2015	<b>Bid No.</b>	7351
<b>Before</b>	2:30pm	<b>Estimate</b>	N/A

<b>Bid Description</b>					
Tequesquite Landfill Gas Flare Replacement Project					
<b>Bidder</b>					
CB&I Environmental & Infrastructure, Inc.					
<b>Item No.</b>	<b>Item Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Ext. Price</b>
1	Mobilization and Demobilization (not to exceed 5% of Bid Items 2 through 22)	1	LS	\$50,000.00	\$50,000.00
2	Coordination with City's Surveyor for Construction Staking and Record Surveys	1	LS	\$4,680.00	\$4,680.00
3	Relocate Existing 3" Clean-out and Vault Box; item includes all labor, equipment, and materials needed to extend the location of the existing clean-out to the location shown on the Construction Drawings.	1	LS	\$6,200.00	\$6,200.00
4	Fabricate, Pour, and Cure Concrete Foundations; item includes all labor, equipment, and materials to construct all concrete foundations as shown on the Construction Drawings, including all formwork and reinforcement steel.	16	CY	\$1,500.00	\$24,000.00
5	Procure Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes coordinating with the vendor for the design, preparation of shop drawings, equipment fabrication, shop testing, and shipping of equipment to project site.	1	LS	\$809,800.00	\$809,800.00
6	Unload and Mount Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes all labor, equipment, and materials needed to receive, offload, set and secure vendor equipment to the constructed concrete foundations.	1	LS	\$35,000.00	\$35,000.00
7	Install Condensate Sump Assembly; item includes all labor, equipment, and materials to install the HDPE/316 S.S components for the condensate sump assembly as shown on the Construction drawings, including interior and exterior appurtenances. Item also includes all necessary excavation and backfill.	1	LS	\$36,000.00	\$36,000.00
8	Install 8" HDPE SDR 17 Inlet Header; item includes all labor, equipment, and materials to install the 8" HDPE inlet header from its tie-in to the existing gas header from the landfill to the condensate sump. Item also includes all necessary trenching, pipe placement, backfill and compaction.	13	LF	\$250.00	\$3,250.00
9	Install 8" S.S. 316 Inlet Header; item includes all labor, equipment, and materials to install the 8" 316 S.S. inlet header from its tie-in at the condensate sump to the inlet connection on the blower skid. Item also includes any associated trenching, pipe placement, backfill and compaction.	6	LF	\$2,900.00	\$17,400.00
10	Install 4" and 8" S.S. 316 Discharge Header; item includes all labor, equipment, and materials to install the 4" and 8" S.S discharge header from its tie-in at the blower skid to the inlet connection on the flare. Item also includes the installation of the two (2) pipe supports; and flame arrestor and flow meter sensor assembly along the 4-inch pipe.	1	LS	\$21,100.00	\$21,100.00
11	Install 2" HDPE SDR 9 Air Supply Piping; item includes all labor, equipment, and materials to install the 2" HDPE air supply line from its tie-in location to the condensate sump location and over to the edge of the blower skid. Item also includes all necessary trenching, pipe placement, backfill and compaction.	36	LF	\$150.00	\$5,400.00

12	Install 1/4" S.S. Air Supply Tubing; item includes all labor, equipment, and materials to install the 1/4" stainless steel tubing air supply line from its tie-in location at the end of the 2" HDPE piping next to the blower skid over and up to its connection on the autovalve installed on the blower skid. Item also includes all necessary tie-downs and mounting hardware to secure the tubing to the skid.	15	LF	\$100.00	\$1,500.00
13	Install 1/2" Black Steel Propane Gas Piping; item includes all labor, equipment, and materials to install the 1/2" black gas piping from its tie-in location at the existing propane tanks over to its connection to the pilot gas solenoid valve on the new flare. This also includes mounting the pipe to the existing block wall as it is currently installed, and all necessary trenching, pipe placement, backfill and compaction needed to extend it over to the flare location.	75	75	\$90.00	\$6,750.00
14	Install 4" HDPE SDR 17 x 2" HDPE SDR 11 Dual-Contained Condensate Forcemain; item includes all labor, equipment, and materials to install the 4" x 2" dual-contained HDPE condensate forcemain from its tie-in at the condensate sump location and over to its tie-in to the existing 4" HDPE SDR 17 drain line. Item also includes the flanged 4" check valve and vault box, and all necessary trenching, pipe placement, backfill and compaction.	105	LF	\$155.00	\$16,275.00
15	Install Electrical Grounding Rods; item includes all labor, equipment, and materials to install the 2 electrical grounding rods and round valve boxes per the Construction Drawings, including all necessary excavation, backfill and compaction.	2	EA	\$660.00	\$1,320.00
16	Install all Electrical Conduit and Conductor Runs; item includes all labor, equipment, and materials to install the electrical conduits and conductors as shown on the Construction Drawings. Item also includes completing the conductor connections inside the electrical panels, the electrical pull box next to the existing control building, all EYS/EZS seal off fittings, and all necessary trenching, corings, conduit/conductor placement, backfill and compaction.	1	LS	\$24,640.00	\$24,640.00
17	Install SCADA System Upgrades; based on the design prepared by the flare manufacturer for the SCADA system upgrades, this item includes all labor, equipment, and materials needed to upgrade the City's existing SCADA system for the new blower/flare system. Using the prepared system upgrade diagrams and vendor-supplied equipment, this item includes all installations associated with the new system. If necessary, this item will also include any associated conduits and conductors, and all EYS/EZS seal off fittings, and all necessary trenching, conduit/conductor placement, backfill and compaction.	1	LS	\$27,060.00	\$27,060.00
18	Shutdown Existing Flare System and Complete Electrical Tie-in to New System; when ready, this item includes all labor, equipment, and materials needed to coordinate with City to shut down the existing LFG flare system, and complete the change of re-routing power to the new system.	1	LS	\$1,980.00	\$1,980.00
19	System Activation and Startup/Adjustments; item includes all labor, equipment, and materials needed to initially startup the new blower/flare system and make the necessary adjustments to achieve steady-state operating conditions. This item includes up to 2-days by the equipment vendors field representative to observe system operation and assist with system adjustments that may be needed to operate the system in accordance with applicable regulatory requirements, and per the City's instructions.	1	LS	\$1,980.00	\$1,980.00
20	SCADA System Startup and Adjustments; item includes all labor, equipment, and materials needed to initially startup the upgraded SCADA system. This item includes up to 2-days by the equipment vendors field representative to check out the system operation, assist with any needed system adjustments, and assist City personnel with any instructions/procedures.	1	LS	\$3,300.00	\$3,300.00

21	Shutdown and Lockout Existing System Components; item includes all labor, equipment, and materials needed to de-energize all of the original existing equipment that is no longer in service, and place tag-out labels on all existing electrical panels no longer being utilized.	1	LS	\$1,980.00	\$1,980.00
22	Site Cleanup and Gravel Surface Restoration; item includes all labor, equipment, and materials needed for final site cleanup and to restore the existing gravel surfacing within the blower/flare facility to it pre-existing condition. This may also include the purchase, delivery and placement of additional gravel base material, as needed.	1	LS	\$14,000.00	\$14,000.00
					<b>Bid Total</b>
					<b>\$1,113,615.00</b>

<b>Subcontractor Information</b>			
<b>Subcontractor Name</b>	<b>Location</b>	<b>Portion</b>	<b>Amount</b>
Frank's Industrial Services Inc.	Harbor City, CA	Electrical	\$59,600
F3 & Associates	Tustin, CA	Land Surveying	\$4,255

**BID RESULTS**

City of Riverside  
Finance Dept./Purchasing

<b>Due Date</b>	10/22/2015	<b>Bid No.</b>	7351
<b>Before</b>	2:30pm	<b>Estimate</b>	N/A

<b>Bid Description</b>					
Tequesquite Landfill Gas Flare Replacement Project					
<b>Bidder</b>					
Diversified Project Services International, Inc.					
<b>Item No.</b>	<b>Item Description</b>	<b>Qty</b>	<b>Unit</b>	<b>Unit Price</b>	<b>Ext. Price</b>
1	Mobilization and Demobilization (not to exceed 5% of Bid Items 2 through 22)	1	LS	\$299,863.00	\$299,863.00
2	Coordination with City's Surveyor for Construction Staking and Record Surveys	1	LS	\$198.00	\$198.00
3	Relocate Existing 3" Clean-out and Vault Box; item includes all labor, equipment, and materials needed to extend the location of the existing clean-out to the location shown on the Construction Drawings.	1	LS	\$2,315.00	\$2,315.00
4	Fabricate, Pour, and Cure Concrete Foundations; item includes all labor, equipment, and materials to construct all concrete foundations as shown on the Construction Drawings, including all formwork and reinforcement steel.	16	CY	\$1,500.00	\$24,000.00
5	Procure Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes coordinating with the vendor for the design, preparation of shop drawings, equipment fabrication, shop testing, and shipping of equipment to project site.	1	LS	\$382,633.00	\$382,633.00
6	Unload and Mount Blower Skid, Flare Unit, and Electrical Panel/Rack Assembly; item includes all labor, equipment, and materials needed to receive, offload, set and secure vendor equipment to the constructed concrete foundations.	1	LS	\$8,068.00	\$8,068.00
7	Install Condensate Sump Assembly; item includes all labor, equipment, and materials to install the HDPE/316 S.S components for the condensate sump assembly as shown on the Construction drawings, including interior and exterior appurtenances. Item also includes all necessary excavation and backfill.	1	LS	\$14,116.00	\$14,116.00
8	Install 8" HDPE SDR 17 Inlet Header; item includes all labor, equipment, and materials to install the 8" HDPE inlet header from its tie-in to the existing gas header from the landfill to the condensate sump. Item also includes all necessary trenching, pipe placement, backfill and compaction.	13	LF	\$200.00	\$2,600.00
9	Install 8" S.S. 316 Inlet Header; item includes all labor, equipment, and materials to install the 8" 316 S.S. inlet header from its tie-in at the condensate sump to the inlet connection on the blower skid. Item also includes any associated trenching, pipe placement, backfill and compaction.	6	LF	\$7,436.00	\$44,616.00
10	Install 4" and 8" S.S. 316 Discharge Header; item includes all labor, equipment, and materials to install the 4" and 8" S.S discharge header from its tie-in at the blower skid to the inlet connection on the flare. Item also includes the installation of the two (2) pipe supports; and flame arrestor and flow meter sensor assembly along the 4-inch pipe.	1	LS	\$121.00	\$121.00
11	Install 2" HDPE SDR 9 Air Supply Piping; item includes all labor, equipment, and materials to install the 2" HDPE air supply line from its tie-in location to the condensate sump location and over to the edge of the blower skid. Item also includes all necessary trenching, pipe placement, backfill and compaction.	36	LF	\$175.00	\$6,300.00

12	Install 1/4" S.S. Air Supply Tubing; item includes all labor, equipment, and materials to install the 1/4" stainless steel tubing air supply line from its tie-in location at the end of the 2" HDPE piping next to the blower skid over and up to its connection on the autovalve installed on the blower skid. Item also includes all necessary tie-downs and mounting hardware to secure the tubing to the skid.	15	LF	\$7.00	\$105.00
13	Install 1/2" Black Steel Propane Gas Piping; item includes all labor, equipment, and materials to install the 1/2" black gas piping from its tie-in location at the existing propane tanks over to its connection to the pilot gas solenoid valve on the new flare. This also includes mounting the pipe to the existing block wall as it is currently installed, and all necessary trenching, pipe placement, backfill and compaction needed to extend it over to the flare location.	75	75	\$107.00	\$8,025.00
14	Install 4" HDPE SDR 17 x 2" HDPE SDR 11 Dual-Contained Condensate Forcemain; item includes all labor, equipment, and materials to install the 4" x 2" dual-contained HDPE condensate forcemain from its tie-in at the condensate sump location and over to its tie-in to the existing 4" HDPE SDR 17 drain line. Item also includes the flanged 4" check valve and vault box, and all necessary trenching, pipe placement, backfill and compaction.	105	LF	\$7,048.00	\$740,040.00
15	Install Electrical Grounding Rods; item includes all labor, equipment, and materials to install the 2 electrical grounding rods and round valve boxes per the Construction Drawings, including all necessary excavation, backfill and compaction.	2	EA	\$2,177.00	\$4,354.00
16	Install all Electrical Conduit and Conductor Runs; item includes all labor, equipment, and materials to install the electrical conduits and conductors as shown on the Construction Drawings. Item also includes completing the conductor connections inside the electrical panels, the electrical pull box next to the existing control building, all EYS/EZS seal off fittings, and all necessary trenching, corings, conduit/conductor placement, backfill and compaction.	1	LS	\$31,579.00	\$31,579.00
17	Install SCADA System Upgrades; based on the design prepared by the flare manufacturer for the SCADA system upgrades, this item includes all labor, equipment, and materials needed to upgrade the City's existing SCADA system for the new blower/flare system. Using the prepared system upgrade diagrams and vendor-supplied equipment, this item includes all installations associated with the new system. If necessary, this item will also include any associated conduits and conductors, and all EYS/EZS seal off fittings, and all necessary trenching, conduit/conductor placement, backfill and compaction.	1	LS	\$2,697.00	\$2,697.00
18	Shutdown Existing Flare System and Complete Electrical Tie-in to New System; when ready, this item includes all labor, equipment, and materials needed to coordinate with City to shut down the existing LFG flare system, and complete the change of re-routing power to the new system.	1	LS	\$3,837.00	\$3,837.00
19	System Activation and Startup/Adjustments; item includes all labor, equipment, and materials needed to initially startup the new blower/flare system and make the necessary adjustments to achieve steady-state operating conditions. This item includes up to 2-days by the equipment vendors field representative to observe system operation and assist with system adjustments that may be needed to operate the system in accordance with applicable regulatory requirements, and per the City's instructions.	1	LS	\$1,653.00	\$1,653.00
20	SCADA System Startup and Adjustments; item includes all labor, equipment, and materials needed to initially startup the upgraded SCADA system. This item includes up to 2-days by the equipment vendors field representative to check out the system operation, assist with any needed system adjustments, and assist City personnel with any instructions/procedures.	1	LS	\$1,105.00	\$1,105.00

21	Shutdown and Lockout Existing System Components; item includes all labor, equipment, and materials needed to de-energize all of the original existing equipment that is no longer in service, and place tag-out labels on all existing electrical panels no longer being utilized.	1	LS	\$1,608.00	\$1,608.00
22	Site Cleanup and Gravel Surface Restoration; item includes all labor, equipment, and materials needed for final site cleanup and to restore the existing gravel surfacing within the blower/flare facility to its pre-existing condition. This may also include the purchase, delivery and placement of additional gravel base material, as needed.	1	LS	\$2,204.00	\$2,204.00
					<b>Bid Total</b>
					<b>\$1,582,037.00</b>

<b>Subcontractor Information</b>			
<b>Subcontractor Name</b>	<b>Location</b>	<b>Portion</b>	<b>Amount</b>
Oceanside Engineering	Oceanside, CA	Start-up & gas line for flare, set equipment	\$13,920
Big Bear Electric	Big Bear City, CA	Electrical	\$31,665
Ben Castro Masonry, Inc.	Pico Rivera, CA	Concrete	\$14,975