

**FAC 1231    Vehicle Fueling Facility**

RUC:            \$114,731.07 OL

Source:        Special study for DLA/DESC in 2008/2009  
Based upon PACES estimate and calculated per unit as follows.

SUC:            \$465.85 OL

Source:        Inflated from V10 using ENR-based index applied through FY-08 and projected to  
FY-09 using Green Book Table 5-6 (O&M less DHP).  
Original source: Version 7 gas station pump system manufacturer (Bennett  
Pumps) quotation.  
In V12, values were inflated only.

## RUC FAC 1231 Vehicle Fueling Facility

### Parametric Cost Engineering System (PACES) Project Detail Report

**Project** DESC FAC 1231 Vehicle Fueling Facility

**Location:** ARLINGTON, VIRGINIA

**Description:**

**Comments:**

**Estimate Date:** 12/09/2008

**Estimate By:** R&Kfjk

**Agency:** Army

**Report Date:** 02/25/2009  
08:02 AM

**Construction Start Date:** 04/01/2009

**Construction Midpoint:** 07/01/2009

**Construction End Date:** 10/01/2009

**Escalation Rate:** 7.22% Based on Project Construction Midpoint

**Database Version:** Jan 2006 Cost Book

**PACES Version:** 7.0.11

# Project Detail Report

**Facility:** 1231-1**Type** Supporting**Model:** Ground Vehicle Fueling Facility

<u>Assembly</u>	<u>Description</u>	<u>Qty</u>	<u>UOM</u>	<u>Mtrl</u>	<u>Labor</u>	<u>Equip</u>	<u>Unit Cost</u>	<u>Total</u>
19097001	Fnd, Wheeled Vhcle, 152M (6") Conc	1200	SF	\$4.98	\$1.41	\$0.29	\$6.68	\$8,018
19097102	Tank, 7571L (2000 gal), JP8, Wheeled Vhcle	2	EA	\$1,676.49	\$260.83	\$24.90	\$1,962.22	\$3,924
19097202	Dispenser/Piping, JP8, Wheeled Vhcle	2	EA	\$16,794.09	\$977.99	\$59.44	\$17,831.52	\$35,663
19097302	Electrical, JP8, Wheeled Vhcle	2	EA	\$3,148.77	\$1,914.22	\$145.04	\$5,208.02	\$10,416
19097401	Compressor W/Pre Eng Bldg, Whled Vhcle	1	EA	\$19,867.77	\$1,848.26	\$227.08	\$21,943.11	\$21,943
19097602	Prefab Steel Canopy, High Structure	1500	SF	\$52.40	\$13.73	\$0.39	\$66.52	\$99,775

**Model** Ground Vehicle Fueling Facility **\$179,740****Facility:** 1231-1 **\$179,740**

## Project Detail Report

**Facilities Total (Direct Cost): \$179,740**

**Project Direct Cost: \$179,740**

Markups 39.0 % \$70,060

**Project Marked Up Cost: \$249,800**

Contingency 5.0 % \$12,490

SIOH 5.7 % \$14,951

**Project Cost: \$277,241**

Design/Indirect Cost: 0.0 % \$0

**Total Project Cost: \$277,241**

**Construction Start** 04/01/2009

**Construction Midpoint:** 07/01/2009

**Construction End Date:** 10/01/2009

**Escalation Rate:** 7.22% Based on Construction Midpoint

**Database Version:** Jan 2006 Cost Book

**PACES Version:** 7.0.11

DESC RCF Revisions						
FAC	FACTITLE	UM	V.11 RCF \$09	PACES Direct Cost	PACES Unit	Unit Cost
1211	Aircraft Fueling Facility	GM	337.84	\$ 5,211,155	2400	\$ 2,171.31
1212	Aircraft Defueling Facility	GM	337.84	\$ 5,211,155	2400	\$ 2,171.31
1221	Marine Fueling Facility	GM	29.07			\$ 267.42
1231	Vehicle Fueling Facility	OL	13,748.50	\$ 249,800	2	\$ 124,900.00
1241	Aircraft Operating Fuel Storage	GA	1.96	\$ 1,992,868	420000	\$ 4.74
1242	Marine Operating Fuel Storage	GA	5.56	\$ 44,246	3000	\$ 14.75
1243	Vehicle Operating Fuel Storage	GA	5.76	\$ 86,668	25000	\$ 3.47
1244	Other Operating Fuel Storage	GA	9.39	\$ 43,968	17439	\$ 2.52
1251	POL Pipeline	LF	148.05	\$ 438,018	1000	\$ 438.02
1261	Liquid Fuel Loading/Unloading Facility	OL	13,748.50	\$ 456,159	4	\$ 114,039.75
1262	POL Pump Station	SF	681.19	\$ 2,022,665	1008	\$ 2,006.61
4111	Bulk Liquid Fuel Storage	BL	53.05			\$ 65.23