

**FAC 8132      Electrical Power Switching Station**

RUC:              \$10.80 KV

Source:           Inflated from V10 using SPBI to FY-08; projected to FY-09 using Green Book Table 5-6 MCON  
Original source: 2004 PACES model  
In V12, Tri-Service and USACE PAX Newsletter values were updated while all other values were inflated only.

SUC:              \$0.24 KV

Source:           R.S. Means FM&R and vendor quotation, projected to FY-09 using Green Book Table 5-6 (O&M less DHP).  
In V12, values were inflated only.

Calculation follows:

## FAC 8132 Switching Station

Inventory value most often recorded: 5298 KV

Assumptions:

1. 5298 KV is incorrect as it corresponds to no typical voltage/rating, but will be used as "per unit" basis as no better value exists. Switching stations should be inventoried by number of sectionalizing switches
2. Life expectancy = 30 Years
3. Labor rate = **\$68.05** from R.S. Means, Electrician, 2008

Cost Elements:	Hrs	Price	Other	Total	Annualized	Notes
<b>Switchgear: 3 Sectionalizing Switches</b>						
Annual maintenance	12	\$816.60			\$816.60	1
<b>Replacement</b>						
Switchgear	36	\$2,449.80	\$11,500.00	\$13,949.80	\$464.99	2
Total					\$1,281.59	
Per KV (KVA)					\$0.24	
<b>FY-05 SCP</b>					<b>\$0.247</b>	

Notes

1. Square D maintenance engineer recommendation
2. Price from Midwest Switchgear for MV 4160 v ACB; material plus \$1,500 shipping plus \$1,000 crane equipment rental; all 3 sections assumed to be replaced in single year.