

**WASHINGTON**

**Avista 2018 Schedule 51**

**Cost**

**Workpapers**

**Washington  
Schedule 51  
Summary**

	<u>Present</u>	<u>Proposed</u>
Developments	\$ 1,272	\$ 1,396
Builder/Service Charge	\$ 442	\$ 471

	<u>Present</u>	<u>Proposed</u>
<u>Overhead Primary Circuit:</u>		
Fixed Cost	\$ 4,207	\$ 4,323
Variable Cost	\$ 8.18	\$ 8.43

<u>Underground Primary Circuit</u>		
Fixed Costs	\$ 1,813	\$ 1,889
Variable Costs	\$ 10.45	\$ 11.24

<u>Underground Secondary Circuit</u>		
Fixed Costs	\$ 406	\$ 430
Variable Costs	\$ 9.38	\$ 9.93

<u>Overhead Secondary Circuit</u>		
Fixed Costs	\$ 1,732	\$ 1,785

Overhead Service Circuit	\$ 3.85	\$ 3.98
Underground Service Circuit	\$ 8.83	\$ 9.39

Overhead Transformer	\$ 2,202	\$ 2,381
Padmount Transformer	\$ 2,946	\$ 3,516



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: 15MIN  
 Service Address:

Description: Development  
 Est Date: Jan 18, 2018 7:25:53 AM  
 Design Version: 1  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	1	116.88	\$0.00	\$4,850.46	\$0.00	\$12,745.73	\$0.00	\$0.00	\$11,410.28	\$0.00	\$3,252.04	\$0.00	\$9,627.15	\$0.00	\$41,885.66

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	25P-13-240/120 E \ UX \ TR	PAD XFMR, 25KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,276.03990035	\$2,276.04
		50P-13-240/120 E \ UX \ TR	PAD XFMR, 50KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,519.17121428	\$2,519.17
		CBLPUSH E \ UP \ EC	CABLE PUSH 4 HRS/CABLE/CONDUIT	1	671.08773252	\$671.09
		BC15 E \ UP \ PC	BUSH CAP 15KV	2	32.76597082	\$65.53
		GNDUG E \ UP \ GR	GROUND-AT PAD OR VAULT	2	107.64032871	\$215.28
		JE1 E \ UP \ EN	JNCTN ENCL 1PH 15KV 4POS	2	1,101.67389809	\$2,203.35
		JE1-GNDSLV E \ UP \ UE	GROUND SLV 1PH JE1 & JE1-25KV	2	381.22579791	\$762.45
		37.5P-13-240/120 E \ UX \ TR	PAD XFMR, 37.5KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	3	2,466.83255847	\$7,400.50
		BOXPAD E \ UX \ UE	BOX PAD - 1PH PADMOUNT TRANSF	5	617.37940204	\$3,086.90
		GNDUG E \ UX \ GR	GROUND-AT PAD OR VAULT	5	107.64032871	\$538.20
		HH E \ UL \ HH	HANDHOLE 13 IN X 24 IN	8	220.05423811	\$1,760.43
		2SWEEP E \ UP \ CD	SWEEP, 2 IN, 90 DEG PVC	12	24.05465011	\$288.66
		EB15 E \ UP \ PC	ELBW 15KV FOR #1 ALCN	12	146.4236305	\$1,757.08
		3SWEEP E \ UP \ CD	SWEEP, 3 IN, 90 DEG PVC	16	30.05037899	\$480.81
		BUS40 E \ UP \ SC	SEC BUS - 4 POS, 1-SCREW CONN	24	56.90976514	\$1,365.83
		3CDTPL E \ UP \ CD	CNDT-3 INCH PVC	1,230	2.95124821	\$3,630.04
		4/0TXUG E \ UP \ SW	CABLE #4/0 UG TRIPLEX	1,353	2.51606611	\$3,404.24
		2CDTPL E \ UP \ CD	CNDT-2 INCH PVC	2,010	1.49252936	\$2,999.98
		1CN15 E \ UP \ EC	CABLE UG #1SOL-#2STR W/CN 15KV	2,211	2.92179151	\$6,460.08

**Overall - Total**

**\$41,885.66**

### Development Cost Per Lot

Total Cost	Lots	Cost/Lot
\$ 41,886	30	\$ 1,396



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: Builder's Charge  
 Est Date: Jan 18, 2018 7:56:07 AM  
 Design Version: 2  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	2	2.55	\$0.00	\$105.90	\$0.00	\$80.15	\$0.00	\$0.00	\$249.13	\$0.00	\$35.34	\$0.00	\$0.00	\$0.00	\$470.52

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	2CDTPL E \ UV \ CD	CNDT-2 INCH PVC	50	1.6048478	\$80.24
		DD24HOE E \ UV \ DT	BACKHOE 24 IN DIRT DITCH	50	5.2798402	\$263.99
		2/0TXUG E \ UV \ SW	CABLE 2/0 UG TRIPLEX	55	2.29614927	\$126.29

**Overall - Total** **\$470.52**



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: OH Primary Fixed  
 Est Date: Jan 18, 2018 8:24:19 AM  
 Design Version: 3  
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	3	22.04	\$0.00	\$901.01	\$0.00	\$1,514.93	\$0.00	\$0.00	\$1,137.01	\$0.00	\$769.93	\$0.00	\$0.00	\$0.00	\$4,322.88

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	1X E \ OH \ GA	ANCHOR PLATE 1 IN X 10 FT	1	534.5960655	\$534.60
		45PCL3 E \ OH \ PL	POLE CDR 45 FT DIRT CLS 3	1	1,918.72184479	\$1,918.72
		GND E \ OH \ GR	GROUND ROD	1	93.10951536	\$93.11
		GND-THEFT DET E \ OH \ GR	GROUND THEFT DETERRENT COVER	1	108.11529273	\$108.12
		PIVT15-25 E \ OH \ IN	INSULATOR-PIN VISE TOP 15-25KV	1	50.19799152	\$50.20
		PP E \ OH \ PI	POLE TOP PIN SINGLE 15-35KV	1	60.98824675	\$60.99
		7/16DGKIT-LIGHT E \ OH \ GA	DOWN GUY KIT 7/16 LIGHT CONSTR	2	606.74343524	\$1,213.49
		DEINPL25 E \ OH \ IN	INSULATOR DEADEND 15/25KV PE	2	15.16299969	\$30.33
		NDE E \ OH \ IN	DEADEND NEUT (8KV)	2	11.97523852	\$23.95
		NPDEHW E \ OH \ HW	HDWRE D.E. NEUT 1 WAY ON POLE	2	28.73598792	\$57.47
		PDEHW E \ OH \ HW	HDWR DE - 1 WAY ON POLE	2	37.33807627	\$74.68
		CDEA4AC E \ OH \ CL	CLAMP D.E. AUTO FOR #4 ACSR	4	39.30850202	\$157.23

**Overall - Total**

**\$4,322.87**



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: OH Primary Variable  
 Est Date: Jan 18, 2018 8:26:48 AM  
 Design Version: 4  
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Aml	Deferred Aml	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	4	16.18	\$0.00	\$661.65	\$0.00	\$922.59	\$0.00	\$0.00	\$834.94	\$0.00	\$531.21	\$0.00	\$0.00	\$0.00	\$2,950.39

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	1RH E \ OH \ SR	SEC RACK, 1 SPOOL - HEAVY DUTY	1	139.59611444	\$139.60
		45PCL3 E \ OH \ PL	POLE CDR 45 FT DIRT CLS 3	1	1,923.26478306	\$1,923.26
		GND E \ OH \ GR	GROUND ROD	1	93.32996981	\$93.33
		GND-THEFT DET E \ OH \ GR	GROUND THEFT DETERRENT COVER	1	108.37127621	\$108.37
		PIVT15-25 E \ OH \ IN	INSULATOR-PIN VISE TOP 15-25KV	1	50.3168448	\$50.32
		PP E \ OH \ PI	POLE TOP PIN SINGLE 15-35KV	1	61.132648	\$61.13
		ST4 E \ OH \ CL	PRFRMD TIE WIRE-SPOOL #4 ACSR	1	8.13398784	\$8.13
		4ACSR E \ OH \ EC	CNDTR 4 ACSR	770	0.73537435	\$566.24

**Overall - Total**

**\$2,950.39**

### Overhead Primary Variable Cost

Total Cost	Length (ft)	Cost/ft
\$ 2,950	350	\$ 8.43





## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: 15MIN  
 Service Address:

Description: UG Primary Fixed  
 Est Date: Jan 18, 2018 8:35:23 AM  
 Design Version: 8  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	8	5.29	\$0.00	\$219.36	\$0.00	\$941.06	\$0.00	\$0.00	\$516.03	\$0.00	\$212.71	\$0.00	\$0.00	\$0.00	\$1,889.16
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	JE1 E \ UP \ EN	JNCTN ENCL 1PH 15KV 4POS	1	1,101.54021158	\$1,101.54									
		JE1-GNDSLV E \ UP \ UE	GROUND SLV 1PH JE1 & JE1-25KV	1	381.17953671	\$381.18									
		2SWEEP E \ UP \ CD	SWEEP, 2 IN, 90 DEG PVC	2	24.05173112	\$48.10									
		BC15 E \ UP \ EN	BUSH CAP 15KV	2	32.76199472	\$65.52									
		EB15 E \ UX \ PC	ELBW 15KV FOR #1 ALCN	2	146.40586502	\$292.81									
<b>Overall - Total</b>						<b>\$1,889.16</b>									



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number:	1002911858	Description:	UG Primary Variable
Customer Name:		Est Date:	Jan 18, 2018 8:36:37 AM
Work Zone:	15MIN	Design Version:	9
Service Address:		Crew Type:	URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	9	35.63	\$0.00	\$1,478.74	\$0.00	\$1,457.62	\$0.00	\$0.00	\$3,478.60	\$0.00	\$554.37	\$0.00	\$0.00	\$0.00	\$6,969.33
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	CBLPUSH E \ UP \ EC	CABLE PUSH 4 HRS/CABLE/CONDUIT	1	646.91354857	\$646.91									
		2CDTPL E \ UP \ CD	CNDT-2 INCH PVC	620	1.43876489	\$892.03									
		DD36HOE E \ UP \ DT	BACKHOE 36 IN DIRT DITCH	620	5.66049354	\$3,509.51									
		1CN15 E \ UP \ EC	CABLE UG #1SOL-#2STR W/CN 15KV	682	2.81654084	\$1,920.88									
<b>Overall - Total</b>												<b>\$6,969.33</b>			

### Underground Primary Variable

Total Cost	Length (ft)	Cost/ft
\$ 6,969	620	\$ 11.24





## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

Work Order: 1002911858

WO Number: 1002911858  
 Customer Name:  
 Work Zone: 15MIN  
 Service Address:

Description: UG Secondary Fixed  
 Est Date: Jan 18, 2018 8:37:56 AM  
 Design Version: 10  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	10	2.13	\$0.00	\$88.37	\$0.00	\$98.51	\$0.00	\$0.00	\$207.87	\$0.00	\$35.18	\$0.00	\$0.00	\$0.00	\$429.93

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	2SWEEP E \ UV \ CD	SWEEP, 2 IN, 90 DEG PVC	1	23.24585668	\$23.25
		3SWEEP E \ UV \ CD	SWEEP, 3 IN, 90 DEG PVC	1	29.03999019	\$29.04
		HH E \ UL \ HH	HANDHOLE 13 IN X 24 IN	1	212.65531853	\$212.66
		BUS40 E \ UV \ SC	SEC BUS - 4 POS, 1-SCREW CONN	3	54.99628153	\$164.99

**Overall - Total**

**\$429.93**



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858  
 Customer Name:  
 Work Zone: 15MIN  
 Service Address:

Description: UG Secondary Variable  
 Est Date: Jan 18, 2018 8:39:42 AM  
 Design Version: 11  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	11	2.36	\$0.00	\$98.27	\$0.00	\$125.25	\$0.00	\$0.00	\$231.17	\$0.00	\$41.95	\$0.00	\$0.00	\$0.00	\$496.64

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	3CDTPE \ UV \ CD	CNDT-3 INCH PVC	50	2.86023562	\$143.01
		DD24HOE E \ UV \ DT	BACKHOE 24 IN DIRT DITCH	50	4.39014785	\$219.51
		4/0TXUG E \ UV \ SW	CABLE #4/0 UG TRIPLEX	55	2.43847339	\$134.12

**Overall - Total** **\$496.64**

### Underground Secondary Variable

Total Cost	Length (ft)	Cost/ft
\$ 497	50	\$ 9.93



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

Work Order 1002911858

WO Number:	1002911858	Description:	Secondary Pole Fixed Cost
Customer Name:		Est Date:	Jan 18, 2018 8:57:35 AM
Work Zone:	SMALLJOB	Design Version:	15
Service Address:		Crew Type:	OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	15	10.63	\$0.00	\$434.82	\$0.00	\$476.13	\$0.00	\$0.00	\$548.71	\$0.00	\$325.67	\$0.00	\$0.00	\$0.00	\$1,785.33

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	1RH E \ OH \ SR	SEC RACK, 1 SPOOL - HEAVY DUTY	1	140.00219885	\$140.00
		35PCL4 E \ OH \ PL	POLE CDR 35 FT DIRT CLS 4	1	1,645.33861115	\$1,645.34

**Overall - Total** **\$1,785.34**



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: OH Service  
 Est Date: Jan 18, 2018 8:29:25 AM  
 Design Version: 5  
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	5	1.72	\$0.00	\$70.27	\$0.00	\$34.56	\$0.00	\$0.00	\$88.68	\$0.00	\$45.00	\$0.00	\$0.00	\$0.00	\$238.51
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	2TX E \ OH \ SW	CNDTR #2 TRIPLEX	66	3.61388409	\$238.52									
<b>Overall - Total</b>										<b>\$238.52</b>					

### Overhead Service Variable Cost

Total Cost	Length (ft)	Cost/ft
\$ 239	60	\$ 3.98



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

Work Order 1002911858

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: UG Service  
 Est Date: Jan 18, 2018 8:42:05 AM  
 Design Version: 12  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	12	3.82	\$0.00	\$158.68	\$0.00	\$119.76	\$0.00	\$0.00	\$373.28	\$0.00	\$52.89	\$0.00	\$0.00	\$0.00	\$704.61

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	2CDTPL E \ UV \ CD	CNDT-2 INCH PVC	75	1.60477337	\$120.36
		DD24HOE E \ UV \ DT	BACKHOE 24 IN DIRT DITCH	75	5.27959558	\$395.97
		2/0TXUG E \ UV \ SW	CABLE 2/0 UG TRIPLEX	82	2.29604291	\$188.28

**Overall - Total** **\$704.60**

### Underground Service Variable Cost

Total	Length (ft)	Cost/ft
\$ 705	75	\$ 9.39





## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: OH Transformer  
 Est Date: Jan 18, 2018 8:31:31 AM  
 Design Version: 6  
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	6	18.72		\$0.00	\$765.46	\$0.00	\$42.96	\$0.00	\$965.95	\$0.00	\$430.17	\$0.00	\$8,810.59	\$0.00	\$11,015.13
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	100-13-120/240 E \ OH \ TR	OH XFMR, 100KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	2,886.47002774	\$2,886.47									
		15-13-120/240 E \ OH \ TR	OH XFMR, 15KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,092.73010623	\$1,092.73									
		25-13-120/240 E \ OH \ TR	OH XFMR, 25KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,160.39928836	\$1,160.40									
		37.5-13-120/240 E \ OH \ TR	OH XFMR, 37.5KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,576.67740136	\$1,576.68									
		50-13-120/240 E \ OH \ TR	OH XFMR, 50KVA, 1 PH, 7620/13200, 120/240V, NO TAPS	1	1,722.09998758	\$1,722.10									
		75-13-120/240 E \ OH \ TR	OH XFMR, 75KVA, 1PH, 7620/13200, 120/240120V, NO TAPS	1	2,576.75567874	\$2,576.76									
<b>Overall - Total</b>						<b>\$11,015.13</b>									

OH Transformer	Unit Cost	% Used	% Cost	Overhead Transformer Total		
				Install	Transformer	Total
15-13-120/240	\$ 1,092.73	44.14%	\$ 482.33	\$ 1,055	\$ 1,326	\$ 2,381
25-13-120/240	\$ 1,160.40	28.24%	\$ 327.70			
37-13-120/240	\$ 1,576.68	9.82%	\$ 154.83			
50-13-120/240	\$ 1,722.10	11.75%	\$ 202.35			
75-13-120/240	\$ 2,576.76	4.96%	\$ 127.81			
100-13-120/240	\$ 2,886.47	1.09%	\$ 31.46			
<b>Total</b>			\$ 1,326			



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: OH Transformer Install  
 Est Date: Jan 18, 2018 8:33:57 AM  
 Design Version: 7  
 Crew Type: OHCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	7	5.82	\$0.00	\$238,28	\$0.00	\$325,46	\$0.00	\$0.00	\$300,69	\$0.00	\$190,08	\$0.00	\$0.00	\$0.00	\$1,054.51

Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost
I	Install	18FGSOB E \ OH \ LF	18 IN FIBERGLASS SO BRACKET	1	282.70893402	\$282.71
		3R E \ OH \ SR	3 SPOOL RACK	1	186.3499575	\$186.35
		CO100 E \ OH \ XD	CUTOUT POLY 15,25,35KV 100A	1	209.97769099	\$209.98
		GNDT E \ OH \ GR	GROUND-OH TRANSFORMER	1	28.64185355	\$28.64
		LA10T E \ OH \ XD	TFMR LIGHTNING ARRESTER 10KV	1	207.22072948	\$207.22
		TMHW E \ OH \ HW	TRANSF MOUNTING HRDWR 3-25KVA	1	40.57277527	\$40.57
		3/0CUWP E \ OH \ RW	CNDTR, 3/0 COPPER WP	23	4.30558996	\$99.03

**Overall - Total** **\$1,054.50**



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858	Description: UG Transformer
Customer Name: SMALLJOB	Est Date: Jan 18, 2018 8:49:08 AM
Work Zone: SMALLJOB	Design Version: 13
Service Address:	Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Amt	Deferred Amt	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	13	27.69	\$0.00	\$1,149.14	\$0.00	\$24.36	\$0.00	\$0.00	\$2,703.24	\$0.00	\$231.30	\$0.00	\$13,042.36	\$0.00	\$17,150.40
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	100P-13-240/120 E \ UX \ TR	PAD XFMR, 100KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	3,459.9875225	\$3,459.99									
		15P-13-240/120-T E \ UX \ TR	PAD XFMR, 15KVA, 1 PH, 13200/7620, 240/120V, TAPS	1	2,417.1154589	\$2,417.12									
		25P-13-240/120 E \ UX \ TR	PAD XFMR, 25KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,450.429284	\$2,450.43									
		37.5P-13-240/120 E \ UX \ TR	PAD XFMR, 37.5KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,644.90160993	\$2,644.90									
		50P-13-240/120 E \ UX \ TR	PAD XFMR, 50KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	2,698.2496802	\$2,698.25									
		75P-13-240/120 E \ UX \ TR	PAD XFMR, 75KVA, 1 PH, 13200/7620, 240/120V, NO TAPS	1	3,479.71160446	\$3,479.71									

**Overall - Total**

**\$17,150.40**

UG Transformer	Unit Cost	% Used	% Cost	Underground Transformer Total
15P-13-120/240	\$ 2,417.12	26.60%	\$ 642.95	Install Transformer Total
25P-13-120/240	\$ 2,450.43	25.40%	\$ 622.41	\$ 849 \$ 2,667 \$ 3,516
37P-13-120/240	\$ 2,644.90	17.90%	\$ 473.44	
50P-13-120/240	\$ 2,698.25	15.10%	\$ 407.44	
75P-13-120/240	\$ 3,479.71	8.10%	\$ 281.86	
100P-13-120/240	\$ 3,459.99	6.90%	\$ 238.74	
<b>Total</b>			<b>\$2,666.83</b>	



## Work Order Cost Estimate Assembly Listing

Data Source: Work Order  
Data Updated Daily

**Work Order 1002911858**

WO Number: 1002911858  
 Customer Name:  
 Work Zone: SMALLJOB  
 Service Address:

Description: UG Transformer Install  
 Est Date: Jan 18, 2018 8:56:05 AM  
 Design Version: 14  
 Crew Type: URDCREW

Estimate Request	Est Ver	Labor Hours	Contract Labor Hours	Labor Cost	Contract Labor Cost	Material Cost In	Direct Materials Cost	Service Cost	Tool Cost In	Tool Cost Out	OH Cost	Salvage Aml	Deferred Aml	Adhoc Materials	Adjusted Total Cost for AdHoc
78682	14	2.5	\$0.00	\$103.58	\$0.00	\$407.91	\$0.00	\$0.00	\$243.67	\$0.00	\$93.88	\$0.00	\$0.00	\$0.00	\$849.04
Work Function	Work Function Desc	Original CU Name	Description	Quantity	Unit Cost	Line Cost									
I	Install	2SWEEP E \ UP \ CD	SWEEP, 2 IN, 90 DEG PVC	1	28.31417365	\$28.31									
		BC15 E \ UX \ PC	BUSH CAP 15KV	1	34.48624413	\$34.49									
		BOXPAD E \ UX \ UE	BOX PAD - 1PH PADMOUNT TRANSF	1	660.8699475	\$660.87									
		GNDUG E \ UX \ GR	GROUND-AT PAD OR VAULT	1	125.37056472	\$125.37									
<b>Overall - Total</b>						<b>\$849.04</b>									