

HLRF WBS CONFIGURATION

Following guidance from Ray Larsen in the HLRF group and examining the WBS drafts for both HLRF and CF&S, I suggest the following plan for estimating. Intentional zero's or a # are entered to be clear that the estimated amount for that element is actually estimated to be zero, and if zero, would be found somewhere else in the project WBS. By entering zero's or a # at the "treaty" points ownership will be obvious and double counting or left-outs can be more easily avoided. **Some additional element lines and edits are included.** WBS definitions and additional sub elements can be added as appropriate. Only necessary higher level "buckets" to collect the information are included here.

	Estimate
CF&S WBS	
1.7.2.2.1 Main Substation	#
1.7.2.2.2 Distribution Substations	#
1.7.2.2.3 Medium Voltage Distribution & Transforming Units	#
1.7.2.2.4 Medium Voltage Transforming Units RF	0
1.7.2.2.5 Medium Voltage Transforming Units Non-RF	#
1.7.2.3.1 Low Voltage Equipment, Power Distribution Non-RF	#
1.7.2.3.2 Low Voltage Equipment, Power Distribution RF	0
1.7.2.4 Emergency Power Sources	#
1.7.2.5 Power Network Monitoring	#
1.7.2.6 Communication Equipment	#
 HLRF WBS	
1.5.1.1.2.3 Charging Supply	#
1.5.1.1.5.1 Instrument Racks & Cabling	#
1.5.1.1.5.2 Cable Trays	#
1.5.1.1.5.3 Electrical Distribution Primary, Secondary RF	#
1.5.1.1.5.4 Electrical Distribution Primary, Secondary Non-RF	0
1.5.1.1.5.5 Medium Voltage Transforming Units RF	#
1.5.1.1.5.6 Medium Voltage Transforming Units Non-RF	0
1.5.1.1.6 RF Integrated Fire & Safety Systems	#

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