

**NCSX June 2007 ETC**  
**TABLE VI - Special Material Escalation**

**WBS Number: 81**  
**WBS Title: Project Management and Control**  
**Job Numbers: 8101, 8102, and 8998**  
**Job Title: Project Management and Control - ORNL (8201)**  
**Job Title: Project Management and Control - PPPL (8101)**  
**Job Title: Project Allocations (8998)**  
**Job Managers: Hutch Neilson (8101), Jim Lyon (8102), & Ron Strykowski (8998)**

**Special Materials**

Delivery cost estimate (includes raw material cost, and vendor fabrication)

as spent \$K

		<u>FY 2007</u>	<u>FY 2008</u>	<u>FY 2009</u>	<u>FY 2010</u>	<u>FY 2011</u>	<u>TOTAL</u>
<b>C - copper</b>							
1352 - Job: 1352 - PF Coil Procurement-KALISH	141-038.1 PF Conductor Delivery		\$95				\$95
1354 - Job: 1354 - Trim Coil Design & Procurement-KALISH	184-037 External Trim Coil Procurement			\$34			\$34
1601 - Job: 1601 - Coil Services Design-GORANSON	132-038 Deliver Lead hardware and cables			\$65	\$18		\$83
4101 - Job: 4101 - AC Power-RAMAKRISHNAN	411-2-4 Grounding-Procure			\$10			\$10
4301 - Job: 4301 - DC Systems-RAMAKRISHNAN	431-265 Fabricate bus components			\$45			\$45
4301 - Job: 4301 - DC Systems-RAMAKRISHNAN	431-275 Power cabling & Installation			\$140			\$140
		<b>\$0</b>	<b>\$95</b>	<b>\$293</b>	<b>\$18</b>	<b>\$0</b>	<b>\$407</b>
<b>S - Stainless Steel/Inconel</b>							
1204 - Job: 1204 - VV Sys Procurements (nonVVSA)-DUDEK	124-130 VV NB port cover Fabrication			\$59			\$59
1421 - Job: 1421 - Mod Coil Interface Design-WILLIAMSON	INTRF-001PPPL buy SS plate for welc	\$30					\$30
1431 - Job: 1431 - Mod. Coil Interface Hardware-DUDEK	1421-3060 Deliver Stud Kit (PE00733C	\$78					\$78
1431 - Job: 1431 - Mod. Coil Interface Hardware-DUDEK	1429-3060 Deliver Shim Stock	\$57	\$4				\$61
1752 - Job: 1752 - Base Support Proc-DAHLGREN	161-036.9 Deliver base support materials		\$30				\$30
1550 - Job: 1550 - Coil Struct. Procurement -DAHLGREN	162-037 Fabricate TF/MCWF mounting Compo	\$371					\$460
1550 - Job: 1550 - Coil Struct. Procurement -DAHLGREN	162-038 Fabricate PF Mounting components			\$480	\$109		\$589
1550 - Job: 1550 - Coil Struct. Procurement -DAHLGREN	162-039 Fabricate Final TF Assy components Component:			\$84			\$84
1550 - Job: 1550 - Coil Struct. Procurement -DAHLGREN	162-040 Fabricate Machine/base support interface			\$85			\$85
1550 - Job: 1550 - Coil Struct. Procurement -DAHLGREN	162-053 Deliver Inconel hardware		\$98				\$98
1550 - Job: 1550 - Coil Struct. Procurement -DAHLGREN	162-057 Deliver Belleville Washers		\$14				\$14
		<b>\$165</b>	<b>\$516</b>	<b>\$795</b>	<b>\$109</b>	<b>\$0</b>	<b>\$1,585</b>

**Estimate Raw material cost (delivery cost estimate x 50%)**

C - copper - base estimate (assumes 2.5%/year escalation)		<b>\$0</b>	<b>\$48</b>	<b>\$147</b>	<b>\$9</b>	<b>\$0</b>	<b>\$203</b>
Additional Copper Escalation - Low End of Range	3% additional per year	0.000	0.030	0.061	0.093	0.126	
		<b>\$0</b>	<b>\$1</b>	<b>\$9</b>	<b>\$1</b>	<b>\$0</b>	<b>\$11</b>
Additional Copper Escalation - High End of Range	20% additional per year	0.000	0.200	0.440	0.728	1.074	
		<b>\$0</b>	<b>\$10</b>	<b>\$65</b>	<b>\$6</b>	<b>\$0</b>	<b>\$81</b>
<b>S - Stainless Steel/Inconel (assumes 2.5%/year escalation)</b>							
Additional Copper Escalation - Low End of Range	3% additional per year	0.000	0.030	0.061	0.093	0.126	
		<b>\$0</b>	<b>\$8</b>	<b>\$24</b>	<b>\$5</b>	<b>\$0</b>	<b>\$37</b>
Additional Stainless Steel/Inconel Escalation - High End of Range	20% additional per year	0.000	0.200	0.440	0.728	1.074	
		<b>\$0</b>	<b>\$52</b>	<b>\$175</b>	<b>\$40</b>	<b>\$0</b>	<b>\$266</b>