

**NCSX Preliminary Design Cost Estimate Summary Form  
(Attachment 1a)**

**SUMMARY DESCRIPTION**

<b>WBS Number: 26</b>	<b>Title: ECH Systems</b>
<b>Originator: M. Zarnstorff</b>	
<b><u>Description</u></b>	
<p>The addition of up to 3MW of ECH is required as a <b>future upgrade</b>. This WBS element consists of the design effort to assure that this can indeed be accommodated as future upgrade. The design effort shall include developing a design concept, locating the equipment, and defining space requirements. No R&amp;D and prototyping; fabrication; and assembly, installation, and testing is required for WBS 26. .</p>	
<p><u>Description of Existing Equipment/Facilities to be Reused:</u> . None</p>	
<p><u>Description of Major Modifications Required to Existing Equipment/Facilities:</u> None.</p>	