NCSX Conceptual Design Cost Estimate Summary Form (Attachment 1a)

SUMMARY DESCRIPTION

WBS Number: 412	Title: Experimental AC Power Systems
Originator: Raki Ramakrishnan	
<u>Description</u>	
This WBS element consists of the effort to design and reconfigure existing experimental AC power systems. This WBS element covers the work associated with the use of the D-site Pulsed AC Power 13.8kV distribution systems for NCSX, including reactivation of feeders not in use since TFTR along with minor changes to the lockout and E-stop interlocks which must now interface with the NCSX interlock system. The D-site Pulsed AC Power System, including the MG sets, and 13.8kV SV1/SV2 buses will be shared by NCSX and NSTX. In addition, some of the SV1/SV2 switchgear, feeders, and transformers will be shared. Other SV1/SV2 switchgear, feeders, and transformers not presently in use by NSTX and not used since TFTR operations might need to be reactivated.	
WBS 5 to provide interface for Lockout and E-Stop features.WBS 5 to provide interface for Lockout and E-Stop features.	
Description of Existing Equipment/Facilities to be Rei including the MG sets, the 13.8 kV SV1/SV2 buses w of the SV1/SV2 switchgear, feeders, and transformers and transformers not presently in use by NSTX and no reactivated and used on NCSX.	ill be shared by NCSX and NSTX. In addition, some will be shared. Other SV1/SV2 switchgear, feeders,
	ing Equipment/Facilities: No major modifications are ween the lockout and E-stop features with the NCSX

Date: 9/15/03