

QPS Fabrication Project
Work Breakdown Structure (WBS) Dictionary
Utilities (WBS 6)

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QPS WBS Dictionary Utilities (WBS 6)

WBS Element: 6		WBS Level: 2
WBS Title:	Utilities	
Description:	<p>This WBS element consists of the Utility services needed to connect the QPS Stellarator Core with the utility lines at the boundary of the test cell pit. This WBS element includes:</p> <ul style="list-style-type: none"> • Water Cooling Systems (WBS 61) • Gas Systems (WBS 62) <p><i>Coil buswork from the edge of the pit to the individual coil sets as well as the cooling connections to individual coils are included in WBS 16.</i></p>	

WBS Element: 61		WBS Level: 3
WBS Title:	Water Cooling Systems	
Description:	<p>This WBS element includes all the effort required to:</p> <ul style="list-style-type: none"> • Connect the test cell pit to the high and low pressure water lines at the test cell wall (WBS 611) • Provide a distribution manifold within the test cell pit (WBS 614) <p><i>Water cooling for the heating systems (ECH and ICH) and for vacuum pumping is included as part of the facility move.</i></p>	

WBS Element: 62		WBS Level: 3
WBS Title:	Gas Systems	
Description:	<p>This WBS element consists of the following subsystems:</p> <ul style="list-style-type: none"> • PFC cooling/heating system outside vacuum vessel (WBS 621); • Modular coil cooling system (presently not used) (WBS 622); • Inert gas distribution system (WBS 623), and • Compressed/Instrument air system (WBS 624). <p><i>None of these systems are part of the QPS MIE project at this time. The PFC system will be deferred to a future upgrade. The modular coils are to be cooled with water and will not use the gas cooling system. The inert gas distribution system and compressed air/instrument air systems will be part of the facility move.</i></p>	