

**Utilities Focus Group Survey: Areas of Interest for the South Pole Station Master Plan (SPSMP)**

Please indicate the level of importance of each concern identified by your focus group as it relates to the future of the South Pole Station (your personal opinion). Participation in this focus group is voluntary, and should take about 15 minutes to complete.

OMB No.: 3145-0215. A federal agency may not conduct or sponsor a collection of information unless it displays a currently valid OMB control number.

**[Scale from 1 (Least Important) – 10 (Most Important) will be provided below each line item in SurveyMonkey.]**

Evaluate current location of and alternatives to the Power Plant within the Arches (includes conceptual design & siting possibilities)
Evaluate lessons learned and potential solutions to utility connectivity issues due to movement of arches
Evaluate current distribution practices via subsurface cabling and potential alternatives (includes conceptual design & siting possibilities)
Evaluate the current comprehensive grid capacity, including power supply, demand, and maintenance capabilities
Evaluate connectivity level and cable length monitoring options to improve maintenance identification of cable deficiencies
Evaluate location monitoring technologies and frequency of observation for improved documentation of current conditions and cable locations
Evaluate current life expectancies of all utility system components against planned or speced life expectancies at installation
Address appropriate funding pursuit timelines for utility system installations, repairs, and replacements
Evaluate existing and potential alternative energy systems
Evaluate the use of and method of installation for outfall tunnels
Address future data and communications demands for large science
Address future utility sizing and capabilities based on status quo and potential large scale surging