

Ash Fall Project
AFP-CS-01, Attachment A – Computer Specifications

June 21, 2016

System 1	Organization: DRI	Quantity: 2
<p><u>Deliver to:</u></p> <p>There are 2 delivery addresses, each unit will go to one.</p> <p>Vic Etyemezian DRI 755 E. flamingo Rd Las Vegas, Nevada 89119 702 862 5400</p> <p>Jack Gillies DRI 2215 Raggio Parkway Reno, Nevada 89512 775-674-7035</p>	<p><u>Hardware To Supply</u></p> <p>Tower</p> <ul style="list-style-type: none"> • Memory: 32GB (4x8GB) 2133MHz DDR4 RDIMM ECC • Internal Storage: 2x HDDs -- 3.5" Serial-ATA (7,200 RPM) 2TB each • Processor: Intel Xeon Processor E5-2623 v3 (10C, 3.0GHz, Turbo, HT, 10M, 105W) • Power supply: sufficient to power current system, extra wattage and redundancy not needed • Disc drive: None <p>Peripherals</p> <ul style="list-style-type: none"> • Keyboard and mouse NOT required 	<p><u>Software to Supply</u></p> <p>OS: Prefer Windows 2010 or 2007. Windows 2008 is not desirable, but acceptable.</p> <p>-MS Office Professional 2016 (Excel, Word, PowerPoint, and Access)</p> <p>-Adobe Acrobat 10.0+ or CutePDF Pro 3.73+</p> <p><u>System must be able to run:</u></p> <p>-MS Office Professional 2016 (Excel, Word, PowerPoint, and Access)</p> <p>-Adobe Acrobat 10.0+ or CutePDF Pro 3.73+</p>

System 2	Organization: USGS	Quantity: 1
<p><u>Deliver to:</u></p> <p>1300 SE Cardinal Court Bldg. 10, Suite 100 Vancouver, WA 98683</p>	<p><u>Hardware To Supply</u></p> <p>Tower</p> <ul style="list-style-type: none"> • Memory: 32GB (4x8GB) 2133MHz DDR4 RDIMM ECC • Internal Storage: 2.5” Serial-ATA Solid State Drive 1TB • Processor: Intel Xeon Processor E5-2650 v3 (10C, 2.3GHz, Turbo, HT, 25M, 105W) • Power supply: sufficient to power current system, extra wattage and redundancy not needed • Disc drive: None <p>Peripherals</p> <ul style="list-style-type: none"> • Standard keyboard & mouse • Smartcard reader NOT required 	<p><u>Software to Supply</u></p> <p>-Ubuntu Desktop 16.04 LTS -LibreOffice</p> <p><u>System must be able to run:</u></p> <p>-Ubuntu Desktop 16.04 LTS -LibreOffice -Matlab R2016a (http://www.mathworks.com/) - GMT (Generic Mapping Tools: http://gmt.soest.hawaii.edu/)</p>

System 3	Organization: NOAA	Quantity: 1
<p><u>Deliver to:</u></p> <p>National Oceanic and Atmospheric Administration Attn: Ogie Olanday Air Resources Laboratory NCWCP, R/ARL, Room 4204 5830 University Research Court College Park, MD 20740-3818 Tel: 301-683-1371</p>	<p><u>Hardware To Supply</u></p> <p>Tower</p> <ul style="list-style-type: none"> • Memory: 128 GB (8x 16GB) • Internal Storage: 4x HDDs -- SAS 10K RPM w/RAID-5 1.2TB each (4x 1.2TB hard drives) • Processor: Dual Intel Xeon E5-2695 v3 (14C, 2.3GHz, 35M) • 3-year Warranty Services • Power supply: 1100-Watt redundant power supply • Disc drive: DVD+/-RW internal drive <p>Peripherals</p> <ul style="list-style-type: none"> • External Network Attached Storage at least 30TB (e.g. Seagate NAS Pro 6-Bay 30 TB) • External USB Drive (backup) at least 4TB (e.g. 4 TB USB Hard Drive) • Keyboard and mouse NOT required 	<p><u>Software to Supply</u></p> <p>-OS: Red Hat Enterprise Linux Workstation v7.0 with 3-year Standard RHN subscription</p> <p>-Intel Fortran Compiler</p> <p>-Intel C Compiler</p> <p><u>System must be able to run:</u></p> <p>-RHEL WS v7.0</p> <p>-Intel compiler: HYSPLIT & related Python Latex Gimp Various libraries (netcdf etc.)</p> <p>-Fortran (ifort) and C (icc)</p> <p>-Perl</p> <p>-MPICH compiled with ifort and icc - /usr/local/mpich</p> <p>-netCDF/usr/local/netCDF4</p> <p>-NCL</p> <p>-IDL</p> <p>-ImageMagick</p>

System 4	Organization: EMCBC	Quantity: 1
<p><u>Deliver to:</u></p> <p>TBD</p>	<p><u>Hardware To Supply</u></p> <p>Tower</p> <ul style="list-style-type: none"> • Memory: 32GB (4x8GB) 2133MHz DDR4 RDIMM ECC • Hard Drive: 2TB 3.5" Serial-ATA (7,200 RPM) Hard Drive • 2nd Hard Drive: 2TB 3.5" Serial-ATA (7,200 RPM) Hard Drive • Processor: Intel Xeon Processor E5-2623 v3 (10C, 3.0GHz, Turbo, HT, 10M, 105W) • Power supply: sufficient to power current system, extra wattage and redundancy not needed • Disc drive: None <p>Peripherals</p> <ul style="list-style-type: none"> • 2x External Network Attached Storage at least 30TB each (e.g. Seagate NAS Pro 6-Bay 30 TB) • Keyboard and mouse NOT required 	<p><u>Software to Supply</u></p> <p>OS: TBD</p> <ul style="list-style-type: none"> -MS Office Professional 2016 (Excel, Word, PowerPoint, and Access) -Adobe Acrobat 10.0+ -Intel Fortran Compiler -Intel C Compiler <p><u>System must be able to run:</u></p> <ul style="list-style-type: none"> -MS Office Professional 2016 (Excel, Word, PowerPoint, and Access) -Adobe Acrobat 10.0+ -Intel Fortran Compiler -Intel C Compiler