

ITEM 136-1501-R0907 Attachment

Montana Tech Data Center Upgrade			
Current Costs Based for March '07			
Descriptions	Cost Estimates		
	phase 1	phase 2	Total
APC W/ Generator & ATS *	\$ 114,056.94	\$ 71,400.00	\$ 185,456.94
Shipping/Handling	\$ 10,000.00		\$ 10,000.00
KVM Switch**			\$ -
Subtotal	\$ 124,056.94	\$ 71,400.00	\$ 195,456.94
Fire Suppression		\$ 12,000.00	\$ 12,000.00
Subtotal	\$ -	\$ 12,000.00	\$ 12,000.00
Monitoring Netbotz			\$ -
Temperature/Humidity **			\$ -
Leak Detection **			\$ -
Visual	\$ 15,000.00		\$ 15,000.00
Oxygen Monitor		\$ 1,625.00	\$ 1,625.00
Subtotal	\$ 15,000.00	\$ 1,625.00	\$ 16,625.00
Telecommunications			\$ -
Rack	\$ 500.00		\$ 500.00
Patch Panels	\$ 1,500.00		\$ 1,500.00
Horizontal Cabling	\$ 3,700.00		\$ 3,700.00
Subtotal	\$ 5,700.00		\$ 5,700.00
Architectural/Facilities			
Chiller/Dry Cooler	\$ 61,355.00		\$ 61,355.00
Chiller Installation	\$ 50,000.00		\$ 50,000.00
Drain	\$ 600.00		\$ 600.00
Access Control		\$ 2,000.00	\$ 2,000.00
Floor 20' X 18'	\$ 1,800.00		\$ 1,800.00
Ceiling	\$ 1,000.00		\$ 1,000.00
Painting	\$ 1,000.00		\$ 1,000.00
Doors	\$ 3,500.00		\$ 3,500.00
Sealing room	\$ 1,000.00		\$ 1,000.00
Plumbing	\$ 3,000.00		\$ 3,000.00
Electrical	\$ 15,000.00		\$ 15,000.00
Gen Install		\$ 40,000.00	\$ 40,000.00
Space Ventilating Fan		\$ 3,000.00	\$ 3,000.00
Engineering/administrative Fees	\$ 25,000.00		\$ 25,000.00
Subtotal	\$ 163,255.00	\$ 45,000.00	\$ 208,255.00
Total	\$ 308,011.94	\$ 130,025.00	\$ 438,036.94
w/ 10% Contingency	\$ 338,813.13	\$ 143,027.50	\$ 481,840.63
Notes:			
* Approximate 18-20% discount over the APC list			
** Included in APC Quote			