

ES&H/Infrastructure Management Plan Information System 10-Line ADS Report

(Costs in \$ 000's)

All Open ADSs

No Index: Record Creation Order

ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
1)	Facility.: ORNL ADS No...: A95D0037 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (NS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: 10CFR830.110 Budget #: DI Div/Dept: 022/3201 Manager.: MCKEEHAN RS	FACILITY SAFETY DOCUMENTATION - SARUP Facility safety documentation upgrade for AMLD purview nuclear facilities to comply with LMER Work Smart Standards - DOE Orders 5480.22 and 5480.23 (and the associated pending Price-Anderson rules 10 CFR 830.110 and 830.320). This activity will produce compliant Safety Analysis Reports and Technical Safety Requirements. This work is being accomplished under the Safety Analysis Report Update Program (SARUP). Those nuclear facilities	OE	Total	FTE	
		9A 9C 12b 12C 15B 15C	1998 1999 2000 2001 2002 2003 2004	1,210.0 945.0 515.0 515.0 515.0 515.0 515.0	1,210.0 945.0 515.0 515.0 515.0 515.0 515.0		
		B: 104 A: T: 104					
2)	Facility.: ORNL ADS No...: C97D0004 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CA) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0100000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Work Pkg: ERKCL02 Div/Dept: 021/ Manager.: BREWER FS Cmp Stat: Progress: Prg Type: 5	HVAC UPGRADE, BUILDING 9210, UNIT 4 Upgrades of the 9210 HVAC will allow for the reliable environmental air quality within the research and development facility.	OE	Total	FTE	
		10B 10C 13B 13C 15B 15C 18B 18C	1998 1999 2000 2001 2002 2003 2004				
		B: 11 A: T: 11					
3)	Facility.: ORNL ADS No...: C97D0005 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0404000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: CWA Budget #: ERKCL01 Work Pkg: KG0404000 Div/Dept: 021/3743 Manager.: ARP RR Cmp Stat: Progress: Prg Type: 5	DECHLORINATION SYSTEM This project will replace the chlorine system presently being used at the ORNL Sewage Treatment Plant (STP) to disinfect the effluent. As originally scoped, a dechlorination system was going to be installed, but after some investigation, it was learned that an ozonation system could be purchased and installed for little more cost than the dechlorination system. The ozone system disinfects as well as chlorine,	OE	CE	Total	FTE
		8A 8C 15b 15c 18A 18C	1998 1999 2000 2001 2002 2003 2004	25.0	25.0		
		B: 168 A: T: 168					

NOTES: 1. Total score is adjusted RPM score.
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4) Facility.: ORNL	ADS Type: Core		F.A.-ENVIRONMENTAL (OH/TARGET)	OE	Total	FTE
ADS No...: C97D0013	Driver...:		ORNL is contractually obligated to comply with all			
SO/OO/Ctr: ER/OR/LMERC	Budget #: DESCRIPTION	8A 8C	applicable federal, state, and local laws and	1998	4,781.0	4,781.0 46.30
Cost Cat.: 12 (ES&H)	Work Pkg: Indirect	12A 12C	regulations and selected DOE Orders. Persistent	1999	4,781.0	4,781.0 46.30
S&H/Env %: 0 100 (MR)	Div/Dept: 035/3185	14A 14C	issues such as the continual increase of federal	2000	4,781.0	4,781.0 46.30
Funding...: Ind'rct-Target	Manager.: PARZYCK DC	18A 18C	and state environmental regulations and	2001	4,781.0	4,781.0 46.30
Res/Pool.: OH	Cmp Stat:		enforcement, recent congressional reauthorization	2002	4,781.0	4,781.0 46.30
B&R Code..:	Progress:	B: 356	of several environmental statutes, the	2003	4,781.0	4,781.0 46.30
Start/End: /	Prg Type: 5	A:	Environmental Protection Agency's (EPA's)	2004	4,781.0	4,781.0 46.30
Status...: OPEN (Approved)		T: 356	Enforcement policy for Government Owned/Contractor		33,467.0	33,467.0 324.10
5) Facility.: ORNL	ADS Type: Core		F.A.-HEALTH (OH/TARGET)	OE	Total	FTE
ADS No...: C97D0014	Driver...:	5A 5C	DOE orders relevant to medical services have been			
SO/OO/Ctr: ER/OR/LMERC	Budget #: DESCRIPTION	10A 10C	converted to DOE policies. The primary drivers	1998	2,685.0	2,685.0 29.00
Cost Cat.: 12 (ES&H)	Work Pkg: Indirect		for the Occupational Medical Program include 29	1999	2,685.0	2,685.0 29.00
S&H/Env %: 100 0 (MS)	Div/Dept: 023/3090	15b 15c	CFR 1904, 29 CFR 1910 (Subpart K), and 29 CFR 1926	2000	2,685.0	2,685.0 29.00
Funding...: Ind'rct-Target	Manager.: PHILLIPS JE	18B 18C	(Subparts C&D) for physical/mental health	2001	2,685.0	2,685.0 29.00
Res/Pool.: OH			evaluations, medical treatment and triage,	2002	2,685.0	2,685.0 29.00
B&R Code..:		B: 219	rehabilitation/lost work days program, medical	2003	2,685.0	2,685.0 29.00
Start/End: /		A:	records and documentation, and wellness	2004	2,685.0	2,685.0 29.00
Status...: OPEN (Approved)		T: 219	programs/employee health counseling. The Health		18,795.0	18,795.0 203.00
6) Facility.: ORNL	ADS Type: Core		F.A.-EMERGENCY PREPAREDNESS/FIRE PROT (OH/TARGET)	OE	Total	FTE
ADS No...: C97D0015	Driver...:	6A 6C	The Office of Laboratory Protection has five main			
SO/OO/Ctr: ER/OR/LMERC	Budget #: DESCRIPTION	9A 9C	areas of operation: Shift Operations Management,	1998	5,786.0	5,786.0 69.00
Cost Cat.: 12 (ES&H)	Work Pkg: Indirect	12A 12C	Emergency Management, Fire Protection, Nuclear	1999	5,786.0	5,786.0 69.00
S&H/Env %: 100 0 (99)	Div/Dept: 026/3205	15A 15C	Materials Control and Accountability, and	2000	5,786.0	5,786.0 69.00
Funding...: Ind'rct-Target	Manager.: ABERCROMBIE JS	17A 17C	Security. Environmental concerns, security	2001	5,786.0	5,786.0 69.00
Res/Pool.: OH			issues, radiation incidents, and hazardous	2002	5,786.0	5,786.0 69.00
B&R Code..:		B: 534	material accidents have created a regulatory	2003	5,786.0	5,786.0 69.00
Start/End: /		A:	environment of strict compliance for these	2004	5,786.0	5,786.0 69.00
Status...: OPEN (Approved)		T: 534	functions. This operational environment is		40,502.0	40,502.0 483.00
7) Facility.: ORNL	ADS Type: Core		F.A.-INDUSTRIAL SAFETY PROGRAMS (OH/TARGET)	OE	Total	FTE
ADS No...: C97D0016	Driver...:	7A 7C	The mission of the Occupational Safety and Health			
SO/OO/Ctr: ER/OR/LMERC	Budget #: DESCRIPTION	9A 9C	Assurance Section is to conduct periodic OSHA-type	1998	4,287.0	4,287.0 53.20
Cost Cat.: 12 (ES&H)	Work Pkg: Indirect	12A 12C	inspections and to provide consultation and	1999	4,287.0	4,287.0 53.20
S&H/Env %: 100 0 (99)	Div/Dept: 036/3191	15A 15C	guidance to all divisions in meeting OSHA	2000	4,287.0	4,287.0 53.20
Funding...: Ind'rct-Target	Manager.: SHIRLEY AM		regulations while maintaining a focus group	2001	4,287.0	4,287.0 53.20
Res/Pool.: OH			knowledgeable in highly visible OSHA programs such	2002	4,287.0	4,287.0 53.20
B&R Code..:		B: 247	as Lockout/Tagout, Electrical Safety, Confined	2003	4,287.0	4,287.0 53.20
Start/End: /		A:	Space, Lead, HAZCOM, Fall Protection, and others	2004	4,287.0	4,287.0 53.20
Status...: OPEN (Approved)		T: 247	that are directly regulated by OSHA through		30,009.0	30,009.0 372.40

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8)	Facility.: ORNL ADS No...: C97D0017 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: 7A 7C Budget #: DESCRIPTION 8A 8C Work Pkg: Indirect 13b 13C Div/Dept: 024/3225 15A 15C Manager.: HOKE PB 18A 18C B: 207 A: T: 207	F.A.-QUALITY SERVICES (OH/TARGET) The Office of Quality Programs and Inspection provides quality assurance and quality engineering and inspection services to support the overall mission of the Laboratory in accordance with the direction provided in DOE Order 5700.6C and 10 CFR 830.120 for Quality Assurance. These services are provided by six tasks: (1) X95A0106, "QA Programmatic Support," provides for the development and interpretation of ORNL's QA	OE 1998 1999 2000 2001 2002 2003 2004	1,992.0 1,992.0 1,992.0 1,992.0 1,992.0 1,992.0 1,992.0 13,944.0	Total 1,992.0 1,992.0 1,992.0 1,992.0 1,992.0 1,992.0 1,992.0 13,944.0	FTE 19.50 19.50 19.50 19.50 19.50 19.50 19.50 136.50	
9)	Facility.: ORNL ADS No...: C97D0018 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (RP) Funding...: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: DESCRIPTION 8A 8C Work Pkg: Indirect 12A 12C Div/Dept: 038/3175 14A 14C Manager.: SIMS CS B: 336 A: T: 336	F.A.-RADIATION PROTECTION (OH/TARGET) This funding enables the Office of Radiation Protection to protect the ORNL site population from radiation and contamination hazards that exist in the work environment. ORP personnel assist ORNL line organizations in keeping the site population's exposure to radiation and radioactive materials well within regulatory limits and to a level that is ALARA. Major responsibilities include operation of an effective and efficient	OE 1998 1999 2000 2001 2002 2003 2004	4,227.0 4,227.0 4,227.0 4,227.0 4,227.0 4,227.0 4,227.0 29,589.0	Total 4,227.0 4,227.0 4,227.0 4,227.0 4,227.0 4,227.0 4,227.0 29,589.0	FTE 52.00 52.00 52.00 52.00 52.00 52.00 52.00 364.00	
10)	Facility.: ORNL ADS No...: C97D0051 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: 6B 6C Budget #: DESCRIPTION 8A 8C Work Pkg: Indirect 12B 12C Div/Dept: 022/3201 14B 14C Manager.: KOHRING MW 17B 17C B: 195 A: T: 195	F.A.-NUCLEAR SAFETY PROGRAMS - ONS (OH/TARGET) The primary function of the Nuclear Safety Program task is to provide oversight of the ORNL nuclear facility activities and operations to ensure that the requirements of federal laws and applicable DOE Orders are complied with to ensure the protection of the public, the workers, and the environment. This task includes the following activities: (1) review and approval of facility authorization basis documents (SARs, TSRs, BIOS,	OE 1998 1999 2000 2001 2002 2003 2004	1,488.0 1,488.0 1,488.0 1,488.0 1,488.0 1,488.0 1,488.0 10,416.0	Total 1,488.0 1,488.0 1,488.0 1,488.0 1,488.0 1,488.0 1,488.0 10,416.0	FTE 16.30 16.30 16.30 16.30 16.30 16.30 16.30 114.10	
11)	Facility.: ORNL ADS No...: C97D0054 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 6B 6C Ref. Ads: A96A0020 11A 11B Budget #: ERKCL02 12B 12C Orig. ID: IADS A96A0020 15B 15C Oth Scor: 53.0000 18B 18C Div/Dept: 020/ Manager.: MEDLEY AR Opn Cd 1: X B: 26 A: T: 26	VENTILATION SYSTEMS, DUCTWORK, & FUME HOOD UPGRADE Facility work will include activities to upgrade ventilation system, filtration systems, interconnecting ducting, and equipment for fume hood and exhaust systems located in facilities at ORNL. It is recommended that by zone areas, deteriorated fume hoods and associated exhaust ductwork be selectively repaired or replaced from hood to	OE 1998 1999 2000 2001 2002 2003 2004	2,577.0 2,220.0 2,220.0 2,577.0 1,700.0 1,700.0 8,197.0	GPP 2,577.0 2,220.0 2,220.0 1,700.0 1,700.0 8,197.0	Total 2,577.0 2,220.0 2,220.0 1,700.0 1,700.0 8,197.0	FTE 19.50 19.50 19.50 19.50 19.50 19.50 19.50

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12)	Facility.: ORNL ADS No...: C97D0057 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status....: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0028 Budget #: ERKCL02 Orig. ID: IADS A96A0028 Oth Scor: 53.0000 Div/Dept: 021/3743 Manager.: POPE WW	UPGRADE CONDENSATE REMOVAL, ORNL STEAM DIST. SYS. This project will install approximately 44 new steam condensate removal points and 36 new warm-up/bypass valves on the existing Steam Distribution System. These improvements will enhance operability and operator safety while upgrading the steam system to current standards.	OE	GPP	Total	FTE
		6C 6D	1998				
		15B 15C	1999			1,100.0	1,100.0
			2000				
			2001				
			2002				
		B: 2	2003				
		A:	2004				
		T: 2				1,100.0	1,100.0
13)	Facility.: ORNL ADS No...: C97D0059 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status....: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0041 Budget #: ERKCL02 Orig. ID: IADS A96A0041 Oth Scor: 40.0000 Div/Dept: 021/ Manager.: POPE WW Cmp Stat: Progress:	REPLACE LINER - EAST AERATION POND This project will remove the remains of the old synthetic liner and the existing sludge from the bottom of the east pond and install a new synthetic liner/containment system complete with leak detection capability. Because of legacy contamination from throughout the plant, the materials removed from the pond will be radioactively contaminated. The new liner will be installed above a grid system placed on the bottom	OE	GPP	Total	FTE
		10B 10C	1998				
		13B 13C	1999				
		15B 15C	2000			1,500.0	1,500.0
		18B 18C	2001				
			2002				
		B: 11	2003				
		A:	2004				
		T: 11				1,500.0	1,500.0
14)	Facility.: ORNL ADS No...: C97D0060 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status....: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0042 Budget #: ERKCL02 Orig. ID: IADS A96A0042 Oth Scor: 40.0000 Div/Dept: 021/3180 Manager.: POPE WW Cmp Stat: Progress:	REPLACE LINER - WEST AERATION POND This project will remove the remains of the old synthetic liner and the existing sludge from the bottom of the west pond and install a new synthetic liner/containment system complete with leak detection capability. Because of legacy contamination from throughout the plant, the materials removed from the pond will be radioactively contaminated. The new liner will be installed above a grid system placed on the bottom	OE	GPP	Total	FTE
		10B 10C	1998				
		13B 13C	1999				
		15B 15C	2000				
		18B 18C	2001	20.0		20.0	
			2002			1,500.0	1,500.0
		B: 11	2003				
		A:	2004				
		T: 11		20.0	1,500.0	1,520.0	

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15)	Facility.: ORNL ADS No...: C97D0061 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 67 33 (99) Funding...: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Ref. Ads: A96A0044 10B 10C Budget #: CANDIDATE LI Orig. ID: IADS A96A0044 15B 15C Oth Scor: 51.0000 17B 17C Div/Dept: 021/3648 Manager.: POPE WW Cmp Stat: Progress:	POTABLE WATER SYSTEM UPGRADE I The first phase of this project will replace water lines serving facilities located in the center of ORNL. This will include water lines running along Central Avenue and along the north side of buildings 3508 and 3517. These underground services will be replaced with aboveground lines to minimize the amount of excavation and the potential for spreading ground-based contamination.	OE	LIP	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		6,500.0	6,500.0	
					6,500.0	6,500.0	
16)	Facility.: ORNL ADS No...: C97D0062 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 67 33 (99) Funding...: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Ref. Ads: A96A0046 10B 10C Budget #: CANDIDATE LI Orig. ID: IADS A96A0046 15B 15C Oth Scor: 51.0000 17B 17C Acct. No: 36480000 Div/Dept: 021/3648 Manager.: POPE WW Cmp Stat:	POTABLE WATER SYSTEM UPGRADE II PLANNING The second phase of this project will replace water lines serving facilities located north of Central Avenue in the center area of ORNL. This will include water lines running from Central Avenue northward through the Isotopes area, those running north of Building 3047, and those serving the cooling tower area northeast of the ORR Pumphouse, Building 3085. These underground services will be replaced with aboveground lines	OE	LIP	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		6,600.0	6,600.0	
					6,600.0	6,600.0	
17)	Facility.: ORNL ADS No...: C97D0069 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: 7B 7C Ref. Ads: A96A0069 10A 10C Budget #: ERKCL02 Orig. ID: IADS A96A0069 15B 15C Oth Scor: 53.5000 17B 17C Div/Dept: 021/3612 Manager.: POPE WW Opn Cd 1: X	UPGRADE ELECTRICAL SYSTEMS, 3019, 3025, 3500 This project will replace obsolete and inadequate switchgear and transformers at the main electrical service entrances to these buildings. These electrical devices are the control points for the main electrical systems in each of these facilities. Much of this equipment has been in service for fifty years and must be replaced to ensure reliable electrical service to the customers and provide a safe environment for	OE	GPP	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		475.0	475.0	
					475.0	475.0	

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18)	Facility.: ORNL ADS No...: C97D0070 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: OSHA 1910A Ref. Ads: A96A0070 Budget #: ERKCL02 Orig. ID: IADS A96A0070 Oth Scor: 53.5000 Div/Dept: 021/3612 Manager.: POPE WW	7B 7C 10A 10C B: 20 A: T: 20	UPGRADE ELECTRICAL SYSTEMS, 6000 AND 7000 AREAS This project will replace obsolete and inadequate switchgear, transformers, and motor control centers at the main electrical service entrances to these buildings. These electrical devices are the control points for the main electrical systems in each of these facilities. Much of this equipment has been in service for fifty years and must be replaced to ensure reliable electrical service to the customers and provide a safe	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		400.0 400.0		
19)	Facility.: ORNL ADS No...: C97D0071 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: NATL FIRE CODES Ref. Ads: A96A0073 Budget #: ERKCL02 Orig. ID: IADS A96A0073 Oth Scor: 58.4000 Div/Dept: 026/F PROT ENG Manager.: ATCHLEY RL Opn Cd 1: X	6B 6C 9A 9C 13b 13c 15B 15C 18B 18C B: 99 A: 100 T: 199	FIRE PROTECTION SYSTEMS UPGRADE (KC) The following projects/tasks are in support of the ORNL fire protection systems: (1) upgrade fire sprinklers in the Central Research and Administration Building (4500S). The upgrade will include the extension of fire sprinklers into some areas not currently protected and interface modifications between the sprinkler systems and fire alarm systems in this	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		1,500.0 1,090.0 2,590.0	1,500.0 1,090.0 2,590.0	
20)	Facility.: ORNL ADS No...: C97D0078 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0092 Budget #: ERKCL02 Orig. ID: IADS A96A0092 Oth Scor: 52.0000 Div/Dept: 021/ Manager.: BREWER FS	10B 10C 15B 15C B: 3 A: T: 3	ELEVATOR UPGRADE, ORNL AT Y-12 Elevator upgrade, including refurbishing the deteriorated elevators in the identified ORNL@Y12 Facilities. Elevators are not reliable and have become continuously expensive to maintain. Replacement of all the required mechanical elements on the elevators is needed: cab, rollers, platform sling, etc.	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		1,345.0 1,425.0 1,475.0 1,500.0 5,745.0	1,345.0 1,425.0 1,475.0 1,500.0 5,745.0	
21)	Facility.: ORNL ADS No...: C97D0079 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0095 Budget #: ERKCL51 Orig. ID: IADS A96A0095 Oth Scor: 62.6000 Acct. No: 40210000 Div/Dept: 021/ Manager.: BREWER FS Opn Cd 1: X	6B 6C 11b 11C B: 10 A: T: 10	ORNL@Y12 FACILITIES WOODEN WINDOW REPAIR - ERKCL51 Wooden window repairs include repairing the deteriorated wooden window frames. Several of the ORNL@Y12 facilities have wooden window frames that have not been maintained. Any pressure, even air pressure, simply makes glass fall out in many areas. This condition of deteriorated window frames is causing hazardous conditions for the general plant population.	OE		Total	FTE
				1998 1999 2000 2001 2002 2003 2004		125.0 135.0 260.0	125.0 135.0 260.0	

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data				
22)	Facility.: ORNL ADS No...: C97D0080 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: OSHA 1910A Ref. Ads: A96A0097 Budget #: ERKCL51 Orig. ID: IADS A96A0097 Oth Scor: 45.2000 Acct. No: 40210000 Div/Dept: 021/ Manager.: BREWER FS	7A 7C 9A 9C 15B 15C B: 85 A: T: 85	ASBESTOS ABATEMENT, ORNL AT Y-12 - ERKCL51 Asbestos abatement includes removing asbestos from piping and equipment, as well as replacing asbestos ceiling panels, deteriorated asbestos ceiling plaster, etc. All these items increase the cost of maintenance if repairs are required. Some rooms/areas where asbestos lines or ceiling panels have fallen (steam/water leaks) are totally closed off where HVAC units and controls are located.	OE	Total	FTE	
				1998				
				1999	916.0	916.0		
				2000	950.0	950.0		
				2001				
				2002				
				2003				
				2004				
					1,866.0	1,866.0		
23)	Facility.: ORNL ADS No...: C97D0081 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: OSHA 1910A Ref. Ads: A96A0101 Budget #: ERKCL02 Orig. ID: IADS A96A0101 Oth Scor: 53.0000 Div/Dept: 021/ Manager.: SPANN MA	7B 6C 10A 10C B: 19 A: T: 19	WATER SYSTEM UPGRADE IN ORNL FACILITIES The scope of this activity includes the upgrade of water supply systems and encompasses the following: 1. Install safety showers and eye washes with potable water supply. 2. Replace existing water stills that supply distilled water. 3. Replace piping and associated components used	OE	GPP	Total	FTE
				1998				
				1999				
				2000	1,900.0	1,900.0		
				2001				
				2002	1,000.0	1,000.0		
				2003	1.0	1.0		
				2004	1.0	1.0		
					2,902.0	2,902.0		
24)	Facility.: ORNL ADS No...: C97D0082 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0102 Budget #: ERKCL01 Orig. ID: IADS A96A0102 Oth Scor: 53.0000 Div/Dept: 021/ Manager.: SPANN MA Opn Cd 1: X	10B 10C 15B 15C B: 3 A: T: 3	ELEVATOR UPGRADES (L01) The elevators will be upgraded to comply with the Americans with Disabilities Act (ADA) for accessibility. This entails modifications to controls at each floor, controls within the elevator car, and emergency control of the elevators. In addition, the upgrades will replace or repair components of the operating system to ensure safe	OE	CE	Total	FTE
				1998				
				1999	1,000.0	1,000.0		
				2000	1,000.0	1,000.0		
				2001	1,000.0	1,000.0		
				2002	1,000.0	1,000.0		
				2003	1,000.0	1,000.0		
				2004	1,000.0	1,000.0		
					6,000.0	6,000.0		

NOTES: 1. Total score is adjusted RPM score.
2. "Other" score, if any appears in 2nd identification column.
3. B = Before, A = After, T = Total (adjusted)

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data					
25)	Facility.: ORNL ADS No...: C97D0083 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 90 10 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0106 Budget #: ERKCL01 Orig. ID: IADS A96A0106 Oth Scor: 62.0000 Div/Dept: 021/ Manager.: IRBY GA Progress:	10B 10C 13B 13C 15B 15C 18B 18C B: 11 A: T: 11	HVAC UPGRADES - GPE-TARGET Replace deteriorated air conditioning components which provide environmental control for laboratory facilities. Job scope includes removal and replacement of old equipment and subsequent tie-in support.	1998 1999 2000 2001 2002 2003 2004	OE CE Total	FTE	229.0 411.0 460.0 1,100.0	229.0 411.0 460.0 1,100.0
26)	Facility.: ORNL ADS No...: C97D0089 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 67 33 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0123 Budget #: ERKCL02 Orig. ID: IADS A96A0123 Oth Scor: 46.8000 Div/Dept: 021/ Manager.: POPE WW Opn Cd 1: X	5B 5C 11a 11C 12b 12c 15B 15C B: 57 A: T: 57	MAINTENANCE SHOP ADDITION 4509 This project will construct an addition of approximately 2500 sq ft to the Air Conditioning Compressor Building, Building 4509, to provide space for maintenance personnel to work on these major air conditioning units and support equipment.	1998 1999 2000 2001 2002 2003 2004	OE GPP Total	FTE	910.0 910.0 910.0	910.0 910.0
27)	Facility.: ORNL ADS No...: C97D0097 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0000000 Start/End: 2000/2001 Status...: OPEN (Approved)	ADS Type: Compliance Driver...: CWA Ref. Ads: A96A0084 Budget #: OO-ORNL-KG01 Orig. ID: IADS A96A0084 Oth Scor: 61.9000 Div/Dept: 021/3648 Manager.: POPE WW	6B 6C 9A 9B 12b 12c 15B 15C 17B 17C B: 122 A: 50 T: 172	WATER SYSTEM UPGRADE (LI) This project will provide a needed infrastructure upgrade for the fire protection and potable water systems in the 6000 Area, 7600 Area, and west end of the Bethel Valley area of the Oak Ridge National Laboratory (ORNL). The project will install new lines to replace major feed lines installed during the early 1940s that have undergone structural degradation with age. The project will also provide improved fire protection	1998 1999 2000 2001 2002 2003 2004	OE LIP Total	FTE	3,200.0 3,200.0	3,200.0 3,200.0

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28)	Facility.: ORNL ADS No...: C97D0104 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IH) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A97A0013 Budget #: ERKCL02 Orig. ID: IADS A97A0013 Oth Scor: 52.3000 Acct. No: 30200000 Div/Dept: 021/ Manager.: POPE WW Opn Cd 1: X	7B 7C B: 0 A: T: 0	ROAD AND PARKING LOT PAVING - ORNL This activity provides for paving of gravel parking lots which have been constructed in recent years. These lots include the HFIR (7918) area gravel lot, the 2000/2001 area gravel lot, and other smaller areas which meet capitalization criteria for new paving.	1998 1999 2000 2001 2002 2003 2004	OE 420.0 440.0 450.0 470.0 1,780.0	GPP 420.0 440.0 450.0 470.0 1,780.0	Total 420.0 440.0 450.0 470.0 1,780.0	FTE 1998 1999 2000 2001 2002 2003 2004
29)	Facility.: ORNL ADS No...: C97D0105 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (EP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A97A0014 Budget #: ERKCL02 Orig. ID: IADS A97A0014 Oth Scor: 47.5000 Acct. No: 3205-0100 Div/Dept: 026/3205 01 Manager.: DEROSSETT WJ	4B 4C 11B 11C 12b 12c 15B 15C 18B 18C B: 212 A: T: 212	CONSTRUCT ORNL TECHNICAL SUPPORT CENTER ORNL needs a new facility to house and protect the Technical Support Center (TSC), from which crisis management and support teams carry out coordinated emergency response activities. This item will provide funding to add a second floor on Building 4512 which will accommodate adequately sized quarters for the TSC, permit upgrading and automation of TSC equipment, and provide office space for the Emergency Preparedness Department.	1998 1999 2000 2001 2002 2003 2004	OE 2,500.0 2,500.0	GPP 2,500.0 2,500.0	Total 2,500.0 2,500.0	FTE 1998 1999 2000 2001 2002 2003 2004
30)	Facility.: ORNL ADS No...: C97D0106 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0100000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A97A0011 Budget #: 00-ORNL-KG01 Orig. ID: IADS A97A0011 Oth Scor: 63.0000 Div/Dept: 021/3743 Manager.: POPE WW Opn Cd 1: X	3B 3C 4B 4C 11B 11C 12b 12c 15B 15C 18B 18C B: 212 A: T: 212	ELECTRICAL SYSTEMS UPGRADE (LI) 1. Rebuild Overhead Feeders 244 and 264 The 13.8 kV overhead feeders 244 and 264 will be rebuilt. The 13.8 kV overhead feeder 264 runs from the ORNL Primary Substation to the 7600 area Robotics and Process Systems Facilities of ORNL. The 13.8 kV overhead feeder 244 serves the 6010 Oak Ridge Electron Linear Accelerator (ORELA), the 6011 Computing and Telecommunications Facility, the 6012 Computer Science Research Facility, the	1998 1999 2000 2001 2002 2003 2004	OE 2,000.0 3,900.0 5,900.0	LIP 2,000.0 3,900.0 5,900.0	Total 2,000.0 3,900.0 5,900.0	FTE 1998 1999 2000 2001 2002 2003 2004

NOTES: 1. Total score is adjusted RPM score.
 2. "Other" score, if any appears in 2nd identification column.
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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
31)	Facility.: ORNL ADS No...: C97D0125 SO/OO/Ctr.: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CA) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A96A0108 Budget #: ERKCL01 Orig. ID: IADS A96A0108 Oth Scor: 71.8000 Div/Dept: 021/ Manager.: IRBY GA Comp Stat: Progress:	CFC PHASEOUT - CLEAN AIR ACT COMPLIANCE (KC) Replace air conditioning equipment which uses Class I ozone-depleting refrigerants [chlorofluorocarbons (CFCs)]. CFC refrigerants are recovered from the machines as they are replaced and reused in remaining operating units. Job scope includes removal and replacement of old units, electrical starters, and subsequent electrical and piping tie-ins.	OE	CE	Total	FTE
		8B 8C	1998		1,900.0	1,900.0	
		15B 15C	1999		1,000.0	1,000.0	
		18B 18C	2000		1,000.0	1,000.0	
		B: 16	2001		1,000.0	1,000.0	
		A: 16	2002				
		T: 16	2003				
			2004				
					4,900.0	4,900.0	
32)	Facility.: ORNL ADS No...: C97D0141 SO/OO/Ctr.: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Ind'rct-Target Res/Pool.: DAI B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: DAI Div/Dept: DAI/0000 Manager.: FORBES RJ	OVERHEAD ORGANIZATIONS - DIVISION ADMINISTRATION The following is a listing of overhead organizations (not ES&H-specific organizations) which have indirect ES&H cost. The cost is for internal ES&H administrative support (e.g., Environmental Protection Officer, Division Safety Officer, Radiation Safety Officer, etc.). 1. Laboratory Protection Division (26) Estimated	OE		Total	FTE
		10A 10C	1998	158.0	158.0	8.20	
		13A 13C	1999	158.0	158.0	8.20	
		15A 15C	2000	158.0	158.0	8.20	
		B: 108	2001	158.0	158.0	8.20	
		A: 25	2002	158.0	158.0	8.20	
		T: 133	2003	158.0	158.0	8.20	
			2004	158.0	158.0	8.20	
				1,106.0	1,106.0	57.40	
33)	Facility.: ORNL ADS No...: C97D0142 SO/OO/Ctr.: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: OSHA 1910A Budget #: DESCRIPTION Div/Dept: 036/3191 Manager.: HORTON CY	OSHA COMPLIANCE ACTIVITIES & OTHER ES&H OE-TARGET 1. OSHA Compliance, Machine Guarding Contractor Manager CY Horton (576-5067); FY 1998 Cost \$34K This will correct 15 inadequately guarded machines identified through OSHA inspections.	OE		Total	FTE
		7B 7C	1998	267.0	267.0		
		10A 10C	1999				
		15B 15C	2000				
		B: 22	2001				
		A: 150	2002				
		T: 172	2003				
			2004				
				267.0	267.0		

NOTES: 1. Total score is adjusted RPM score.
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34)	Facility.: ORNL ADS No...: C97D0146 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: PROGRAMMATIC Div/Dept: DA/ Manager.: FORBES RJ	10A 10C 13A 13C 15A 15C B: 108 A: T: 108	DIVISION ADMINISTRATION - PROGRAMMATIC DIVISIONS Several programmatic organizations (e.g., research and development divisions) have internal personnel hours (FTEs) supporting internal ES&H activities such as an Environmental Protection Officers (EPOs), Radiation Safety Officers (RSOs), and Division Safety Officers (DSOs). In addition, some programmatic organizations use internal organizational funds to complete ES&H projects and activities such as configuration controls and	OE 1998 6,291.0 1999 6,291.0 2000 6,291.0 2001 6,291.0 2002 6,291.0 2003 6,291.0 2004 6,291.0 44,037.0	Total 6,291.0 6,291.0 6,291.0 6,291.0 6,291.0 6,291.0 6,291.0 44,037.0	FTE 52.30 52.30 52.30 52.30 52.30 52.30 52.30 366.10	
35)	Facility.: ORNL ADS No...: C97D0147 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0100000 Start/End: 2000/2001 Status...: OPEN (Approved)	ADS Type: Compliance Driver...: NATL FIRE CODES Ref. Ads: A97A0026 Budget #: KG/01-KG01-1 Orig. ID: IADS A97A0026 Oth Scor: 58.4000 Div/Dept: 026/F PROT ENG Manager.: ATCHLEY RL Opn Cd 1: X	6B 6C 9A 9C 13b 13C 15B 15C 18B 18C B: 100 A: 50 T: 150	FIRE PROTECTION SYSTEMS UPGRADE (LI) The following projects/tasks are in support of the ORNL fire protection systems: (1) extend automatic wet-pipe sprinklers throughout offices, corridors, and under the attic floor slabs in Wings 1-4 of the Central Research and Administration Building (4500N). These specific areas are not protected with a fire suppression system;	OE 1998 1999 2000 2001 2002 2003 2004 6,000.0 6,000.0	LIP 6,000.0 6,000.0	Total 6,000.0 6,000.0	FTE 6,000.0 6,000.0
36)	Facility.: ORNL ADS No...: C97D0148 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 75 25 (99) Funding...: Direct-Target Res/Pool.: DI B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: PROGRAMMATIC Div/Dept: DI/ Manager.: FORBES RJ Cmp Stat: Progress: Prg Type: 5	10A 10C 13A 13C 15A 15C B: 108 A: T: 108	DISTRIBUTED ES&H SERVICES This ADS accounts for the cost associated with providing services by ES&H organizations to customer organizations and distributing the cost of services to the customer. Office of Environmental Protection: - FY 1998 Distributed Cost for Sampling and Inspection \$1,012K / 12.4 FTEs	OE 1998 12,847.0 1999 12,847.0 2000 12,847.0 2001 12,847.0 2002 12,847.0 2003 12,847.0 2004 12,847.0 89,929.0	Total 12,847.0 12,847.0 12,847.0 12,847.0 12,847.0 12,847.0 12,847.0 89,929.0	FTE 152.40 152.40 152.40 152.40 152.40 152.40 152.40 ***.**	
37)	Facility.: ORNL ADS No...: C97D0151 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A97A0033 Budget #: ERKCL02 Orig. ID: IADS A97A0033 Div/Dept: 027/ Manager.: SCOTT CB Opn Cd 1: X	7B 7C 12B 12C 15B 15C 18B 18C B: 17 A: T: 17	3500 AREA VENTILATION SYSTEM UPGRADE NOTE: THIS ACTIVITY MAY BE AN M&I CONTRACTOR DECISION AND BUDGET FORMULATION CONCERN AT SOME TIME IN THE FUTURE. THE FACILITY PRESENTLY IS EM'S FUNDING RESPONSIBILITY. THIS REQUEST SUBMITTED TO ADDRESS THE PROPOSED TRANSFER OF WM RESPONSIBILILTY FROM EM TO ER BY THE DATE OF THIS PROJECT. This activity provides for the upgrade of the 48"	OE 1998 1999 2000 2001 2002 2003 2004 820.0 820.0	GPP 820.0 820.0	Total 820.0 820.0	FTE 820.0 820.0

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38)	Facility.: ORNL ADS No...: C97D0152 SO/OO/Ctr.: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding...: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Ref. Ads: A97A0035 Budget #: CANDIDATE LI Orig. ID: IADS A97A0035 Div/Dept: 027/ Manager.: SCOTT CB Opn Cd 1: X Cmp Stat: Progress:	PROCESS WASTE TREATMENT PLANT REPLACEMENT NOTE: THIS ACTIVITY MAY BE AN M&I CONTRACTOR DECISION AND BUDGET FORMULATION CONCERN AT SOME TIME IN THE FUTURE. THE FACILITY PRESENTLY IS EM'S FUNDING RESPONSIBILITY. THIS REQUEST SUBMITTED TO ADDRESS THE PROPOSED TRANSFER OF WM RESPONSIBILILTY FROM EM TO ER BY THE DATE OF THIS PROJECT. This activity supports relocation of radioactive	OE	LIP	Total	FTE
		15B 15C 18A 18C B: 21 A: T: 21	1998 1999 2000 2001 2002 2003 2004			1,000.0 3,000.0 2,400.0 6,400.0	1,000.0 3,000.0 2,400.0 6,400.0
39)	Facility.: ORNL ADS No...: C98D0001 SO/OO/Ctr.: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 62.3000 Div/Dept: 021/3062 Manager.: POPE WW	TRASH TRUCK COMPACTOR, FRONT LOADING Truck is a replacement for an existing 35-cubic-yard front-loading compaction trash truck. Unit is used to empty individual containers at the various buildings and compact and haul trash to the landfill. The truck handles between 15 and 20 waste dumpsters a day making at least one trip per day to the landfill.	OE	CE	Total	FTE
		13B 13C 15B 15C B: 8 A: T: 8	1998 1999 2000 2001 2002 2003 2004			170.0 170.0 170.0	170.0
40)	Facility.: ORNL ADS No...: C98D0003 SO/OO/Ctr.: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0404000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 61.9000 Div/Dept: 021/ Manager.: WHEDBEE JG	AERIAL WORK PLATFORM/BOOM LIFT W/45' KNUCKLE BOOM This equipment is generally considered to be applicable to a wide variety of maintenance activities and, except for the initial investment, it is considered to be the most desirable type of equipment to access elevated work sites within ORNL. This equipment will help to eliminate much of the scaffolding that is utilized for elevated overhead work.	OE	CE	Total	FTE
		5B 5C 10B 10C 13B 13C 15B 15C B: 27 A: T: 27	1998 1999 2000 2001 2002 2003 2004			52.0 52.0	52.0

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41)	Facility.: ORNL ADS No...: C98D0004 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 60.0000 Div/Dept: 020/ Manager.: HEATHERLY TL	COMPUTING SYSTEMS & SUPPORTING MODULES FOR SAP GPE funds will be required to purchase the computing systems and supporting modules to support the SAP implementation project. ORNL, Y-12, and EMEF have jointly agreed to commit the necessary capital funding for this equipment. This equipment will be essential to implement the SAP system. The SAP system will replace approximately 80 legacy systems currently performing financial, project systems, human resources, and acquisition	OE	CE	Total	FTE
		11A 11C 12A 12C 14A 14C B: 189 A: T: 189	1998 1999 2000 2001 2002 2003 2004			641.0 592.0 1,233.0	641.0 592.0 1,233.0
42)	Facility.: ORNL ADS No...: C98D0005 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 60.0000 Div/Dept: 021/ Manager.: SPANN MA	DISTILL WATER MAKERS, 4500N AND 4500S It is requested that two new 25gph distilled water stills be purchased and installed in Buildings 4500N and 4500S.	OE	CE	Total	FTE
		13B 13C 15B 15C B: 8 A: T: 8	1998 1999 2000 2001 2002 2003 2004			65.0 65.0	65.0 65.0
43)	Facility.: ORNL ADS No...: C98D0006 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0404000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 60.0000 Div/Dept: 021/ Manager.: POPE WW	THERMOGRAPHY TECHNOLOGY Procure an Inframetrics Thermographic Camera System with PCMCIA cards that contain 40 meg of memory. This permits the user to take 256 infrared images before having to interface with the computer and software. The software is Microsoft compatible, which permits the user to import these images into a variety of Microsoft products. The Inframetrics unit is similar in size to a	OE	CE	Total	FTE
		6B 6C 13B 13C 15B 15C B: 17 A: T: 17	1998 1999 2000 2001 2002 2003 2004			68.0 68.0	68.0 68.0
44)	Facility.: ORNL ADS No...: C98D0007 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 60.0000 Div/Dept: 021/ Manager.: WHEDBEE JG	CNC ENGRAVER The fabrication facility will have the capacity to engrave warning signs, information signs, hazard signs, plaques, and name plates. This project will enable the facility to use larger materials and make more complex shapes with a bigger variety of materials.	OE	CE	Total	FTE
		13B 13C 15B 15C B: 8 A: T: 8	1998 1999 2000 2001 2002 2003 2004			31.5 31.5	31.5 31.5

NOTES: 1. Total score is adjusted RPM score.
2. "Other" score, if any appears in 2nd identification column.
3. B = Before, A = After, T = Total (adjusted)

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
45)	Facility.: ORNL ADS No...: C98D0008 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Orig. ID: ERKCL20 Oth Scor: 60.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 0 A: 0 T: 0	FALCON 400 CNC LATHE A Cincinnati Milacron Falcon 400 CNC Lathe is needed for the Fabrication Department to help support the different divisions for which work is being done. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						200.0	200.0
						200.0	200.0
46)	Facility.: ORNL ADS No...: C98D0009 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 026/ Manager.: ABERCROMBIE JS 3B 3C 7B 7C 10B 10C 13B 13C 15b 15C 18B 18C B: 13 A: 13 T: 13	LERC DATA ACQUISITION SYSTEM UPGRADE, BLDG 4512 Replace/upgrade data acquisition work station for the Laboratory Emergency Response Center (LERC) that collects operating data for ORNL. It will include replacement of disk drives, PDP 1144 computer, MAG tape drive, printer, and associated hardware. The existing equipment is 15-20 years old, much of which is no longer in production and therefore makes maintenance impossible. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						40.0	40.0
						40.0	40.0
47)	Facility.: ORNL ADS No...: C98D0010 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0404000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 57.1000 Div/Dept: 021/ Manager.: ROBISON CM 5B 5C 10B 10C 13B 13C 15B 15C B: 27 A: 27 T: 27	GENIE Z-20/8N ELECTRIC PERSONNEL LIFT The Genie Z-20 will be useful in many different locations for relamping purposes, lighting changeout, and hard-to-reach equipment. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						30.0	30.0
						30.0	30.0
48)	Facility.: ORNL ADS No...: C98D0011 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 56.0000 Div/Dept: 009/ Manager.: EWING PD 13B 13C 15b 15c B: 6 A: 6 T: 6	MICROWAVE NETWORK ANALYZER Microwave Network Analyzer, Hewlett-Packard 8720C microwave network analyzer with 50 MHz to 20 GHz frequency range. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						70.0	70.0
						70.0	70.0

NOTES: 1. Total score is adjusted RPM score.
2. "Other" score, if any appears in 2nd identification column.
3. B = Before, A = After, T = Total (adjusted)

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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
49)	Facility.: ORNL ADS No...: C98D0012 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 55.0000 Div/Dept: 021/3077 Manager.: POPE WW	7B 7C 13B 13C 15B 15C B: 9 A: T: 9	480/240 VOLT STANDBY GENERATOR, TRAILER MOUNTED This piece of equipment is a replacement for a smaller 30-year-old unit. The new unit will be diesel driven, 150kW capacity, and will be permanently mounted on a DOT-approved trailer.	OE 1998 1999 2000 2001 2002 2003 2004	CE 65.0 65.0 65.0	Total 65.0 65.0 65.0	FTE 65.0 65.0 65.0
50)	Facility.: ORNL ADS No...: C98D0013 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (RP) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 55.0000 Div/Dept: 038/ Manager.: THEIN M	11B 11C 15b 15c B: 0 A: T: 0	DOSIMETRY SYSTEM UPGRADE An automated TLD Reader System (similar to the current Harshaw 8800 TLD System) for processing beta-gamma, neutron, and extremity dosimeters.	OE 1998 1999 2000 2001 2002 2003 2004	CE 170.0 170.0 340.0	Total 170.0 170.0 340.0	FTE 170.0 170.0 340.0
51)	Facility.: ORNL ADS No...: C98D0014 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 55.0000 Div/Dept: 060/ Manager.: POUTSMA ML	13B 13C 15B 15C B: 8 A: T: 8	UPGRADES FOR MASS SPECTROMETERS Chemical and Analytical Sciences Division has three mass spectrometers that are now more than 35 years old. They were designed and built at ORNL and still provide state-of-the-art performance; they are also unique, with capabilities not available commercially. They serve many critical Laboratory programs and help bring in money from outside. Their functions is to measure isotopic abundances from small samples (often nanograms or	OE 1998 1999 2000 2001 2002 2003 2004	CE 75.0 75.0	Total 75.0 75.0	FTE 75.0 75.0
52)	Facility.: ORNL ADS No...: C98D0015 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 55.0000 Div/Dept: 009/ Manager.: BRYAN WL	13B 13C 15b 15c B: 7 A: T: 7	NETWORK APPLIANCE F230 Network Appliance F230 multi-user, multi-protocol network storage device. This device provides multiple users a high-performance, high-reliability file server for UNIX NFS files, Window CIFS files, and Web HTTP files.	OE 1998 1999 2000 2001 2002 2003 2004	CE 125.0 125.0	Total 125.0 125.0	FTE 125.0 125.0

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53)	Facility.: ORNL ADS No...: C98D0017 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: NOOK JC	11A 11C 15b 15C B: 0 A: T: 0	ULTRASPEC MODEL 890940 DIAGNOSTIC SYSTEM (L01) Procure an Ultra Spec Model 890940 diagnostic system for advanced integrated multiple maintenance strategies solutions. A total of 23 separate applications are addressed in one packaged unit including vibration analysis, laser alignment, field balancing, electric motor current analysis, and resonance testing.	OE 1998 1999 2000 2001 2002 2003 2004	CE 38.0	Total 38.0	FTE 38.0
54)	Facility.: ORNL ADS No...: C98D0018 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 52.5000 Div/Dept: 024/ Manager.: ORLIN TF	11A 11C B: 0 A: T: 0	WET MAGNETIC PARTICLE INSPECTION SYSTEM (L01) Wet Magnetic Particle Inspection System MD3-1060, with inspection hood, automatic bath, dual palm buttons, 25" coil with raising block, motorized tailstock kit, and special voltage transformers. The equipment will enable more detailed inspections of ferrous items for surface and subsurface defects. Typical items tested are master links for hoisting and rigging, spent fuel shipping trailers and appurtences, bars, shapes,	OE 1998 1999 2000 2001 2002 2003 2004	CE 68.0	Total 68.0	FTE 68.0
55)	Facility.: ORNL ADS No...: C98D0019 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 46.8000 Div/Dept: 021/3743 Manager.: POPE WW	13C 13D 15C 15D B: 0 A: T: 0	SULLAIR 1600Q PORTABLE ROTARY Procure 1600CFM diesel-driven air compressor. Unit will replace two smaller compressors which provide backup to the central air plant. The 1600CFM would be adequate to supply air for the Central Off-Gas Facility and some building containment systems if the central compressed air system failed.	OE 1998 1999 2000 2001 2002 2003 2004	CE 100.0	Total 100.0	FTE 100.0
56)	Facility.: ORNL ADS No...: C98D0020 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: [OTHER] Budget #: ERKCL01 Orig. ID: 3225-0200 Div/Dept: 024/ Manager.: ORLIN TF	10A 10C B: 19 A: T: 19	REPLACEMENT VALVE TEST STAND Teledyne Ferris safety valve test stand. This equipment will replace existing equipment (approximately 30 years old) at ORNL. The Safety Surveillance Inspection function is funded by Laboratory overhead. ASME (NBIC) code requires periodic testing of safety valves to ensure their operability. Current practice does not allow testing liquid service valves with liquid as	OE 1998 1999 2000 2001 2002 2003 2004	CE 123.0	Total 123.0	FTE 123.0

NOTES: 1. Total score is adjusted RPM score.
 2. "Other" score, if any appears in 2nd identification column.
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57)	Facility.: ORNL ADS No...: C98D0021 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Orig. ID: 3225-0200 Oth Scor: 52.0000 Div/Dept: 024/ Manager.: ORLIN TF	PARTICULATE COUNTER FOR FILTER TESTING One LAN-X Particulate Counter with spare parts kits and miscellaneous fittings, hoses, and carts. The HEPA test program is a Laboratory overhead-funded activity. This new equipment will allow work to be improved, and a true penetration valve through two filters in series may be obtained. This will help facilities such as 7920 and 7930 avoid costly upgrades to demonstrate	OE	CE	Total	FTE
		11B 11C 13b 13c B: 13 A: T: 13	1998 1999 2000 2001 2002 2003 2004		48.5	48.5	
58)	Facility.: ORNL ADS No...: C98D0025 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 50.0000 Div/Dept: 009/ Manager.: JANSEN JM	ADVANCED NETWORK COMMUNICATIONS ANALYZER Advanced Network Communications Analyzer -- This test equipment is required to facilitate the timely resolution of division-wide network problems and to enable development of advanced technology such as the IEEE-P1541 sensor bus. It cannot be acquired with operating funds.	OE	CE	Total	FTE
		15a 15c B: 2 A: T: 2	1998 1999 2000 2001 2002 2003 2004		45.0	45.0	
59)	Facility.: ORNL ADS No...: C98D0026 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 50.0000 Acct. No: 3225-0200 Div/Dept: 024/ Manager.: ORLIN TF	REMOTE VISUAL INSPECTION SYSTEM Remote visual inspection system video image scope IV6C5 with CCU, floppy drive, video analyzer IW-1, light source ILV-2, Optical tip adapters, and fiber optic cable IV6C5-75. Access to areas for visual inspection will be enhanced with this equipment. An example of the use of this equipment would have been on the Melton Valley Low-Level Waste HFIR laterals.	OE	CE	Total	FTE
		11A 11C B: 0 A: T: 0	1998 1999 2000 2001 2002 2003 2004		88.0	88.0	
60)	Facility.: ORNL ADS No...: C98D0027 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Acct. No: 3225-0200 Div/Dept: 024/ Manager.: ORLIN TF	ATI-TDA-100A AUTOMATIC TESTER The scope of this activity is to procure replacement respirator/respirator cartridge testing equipment. The current equipment requires frequent maintenance and repairs and frequent calibration checks to ensure that equipment accuracy is within prescribed limits, which delays testing. New automatic testing equipment would speed up the respirator/respirator cartridge testing process and allow the technicians more	OE	CE	Total	FTE
		10B 10C B: 1 A: T: 1	1998 1999 2000 2001 2002 2003 2004		60.0	60.0	

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61)	Facility.: ORNL ADS No...: C98D0029 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 45.0000 Div/Dept: 006/ Manager.: JANSEN JM	B: A: T:	PORTABLE TIME-FREQUENCY VIBRATION DIAGNOSTIC SYSTM A portable time-frequency vibration diagnostic system will allow in-situ analysis and presentation of acoustic and vibration information for rapid diagnosis of complex mechanical system conditions.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		100.0	100.0	
						100.0	100.0	
62)	Facility.: ORNL ADS No...: C98D0032 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0203050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 45.0000 Div/Dept: 009/ Manager.: JANSEN JM	B: A: T:	PORTABLE DATA ACQUISITION AND ANALYSIS SYSTEM A portable data acquisition and analysis system is required to support the acquisition and analysis of quality experimental data at remote locations.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		150.0	150.0	
						150.0	150.0	
63)	Facility.: ORNL ADS No...: C98D0034 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 47.4000 Div/Dept: 021/ Manager.: WHEDBEE JG	15B 15C B: 1 A: T: 1	FORKLIFT REPLACEMENT This ADS provides for routine replacement of deteriorated forklifts. Two forklifts are funded under this ADS. Forklift 75-677 -- the only unit capable of moving casks in the Burial Ground to the underground storage facility. Another 6000# forklift is also funded.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		83.0 25.0	83.0 25.0	
						108.0	108.0	
64)	Facility.: ORNL ADS No...: C98D0035 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 55.0000 Div/Dept: 021/ Manager.: WHEDBEE JG	13B 13C 15B 15C B: 8 A: T: 8	CRANE REPLACEMENT The oldest crane is used for rigging jobs in tight places. It is the only piece of equipment at ORNL to perform some specific jobs such as filter changes at 3019, moving drums at 7842, and other jobs under power lines. It is unique in that it will fit in buildings to lift loads where no overhead lifting devices are available.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		125.0	125.0	
						125.0	125.0	

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73)	Facility.: ORNL ADS No...: C98D0045 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IH) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Budget #: ERKCL01 Oth Scor: 50.0000 Div/Dept: 021/3096 Manager.: POPE WW B: 3 A: T: 3	COLMAC HIGH-PRODUCTION SHIRT PRESS Purchase Colmac high-production shirt press. This is a replacement for a 1977 Bosom Press, Sleever, and Cuffer used in the ORNL Decontamination Laundry. The Colmac press accomplishes in one step what the Unipress equipment does in four steps. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					63.0	63.0	
74)	Facility.: ORNL ADS No...: C98D0048 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 50.0000 Div/Dept: 009/ Manager.: KELLER DN B: A: T:	FAST DIGITIZING OSCILLOSCOPE Four input channels, fast digitizing oscilloscope and two 1 GHz high impedance probes. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					32.0	32.0	
75)	Facility.: ORNL ADS No...: C98D0051 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 034/ Manager.: EFFLER RP B: A: T:	FLUKE 5700A TESTER The 5700A is a multi-function meter calibrator. It sources direct and alternating voltages, currents and resistance. It can be operated by program control or manually set-up. The capabilities cover a wide range of current digital multimeters. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					42.0	42.0	
76)	Facility.: ORNL ADS No...: C98D0052 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 50.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 0 A: T: 0	RETROFIT PACKAGES FOR LEBLOND LATHES The proposed computer numerical control (CNC) system is a complete vendor-supplied retrofit package for a numerical control (NC) lathe. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					300.0	300.0	

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77)	Facility.: ORNL ADS No...: C98D0053 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 024/ Manager.: HOKE PB B: 150 A: T: 150	AUTOMATIC FILM PROCESSOR Automatic Film Processor 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					45.0	45.0	
					45.0	45.0	
78)	Facility.: ORNL ADS No...: C98D0056 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030305 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 50.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 0 A: T: 0	25 INCH CNC LATHE 25-Inch CNC Lathe 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					350.0	350.0	
					350.0	350.0	
79)	Facility.: ORNL ADS No...: C98D0060 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 50.0000 Div/Dept: 034/ Manager.: SMELCER DR B: 13 A: T: 13	ALPHA 2100 COMPUTER SYSTEM Replace the existing maintenance management computing system used to support ORNL by Instrumentation and Controls (I&C) maintenance. Procure one computer system for use as a maintenance control system. Install computing system in building 2033 and configure for maintenance control system. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					60.0	60.0	
					60.0	60.0	
80)	Facility.: ORNL ADS No...: C98D0063 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 47.4000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 75 A: T: 75	ELECTRONIC HEAT SEALER Electronic Heat Sealer (Plastic Welder) 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					33.0	33.0	
					33.0	33.0	

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81)	Facility.: ORNL ADS No...: C98D0068 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Budget #: ERKCL01 11B 11C Oth Scor: 45.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 1 A: T: 1	REPLACE DRILL PRESS IN IRONWORKER SHOP Drill Press 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						47.0	47.0
82)	Facility.: ORNL ADS No...: C98D0076 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 45.0000 Div/Dept: 009/ Manager.: KELLER DN B: A: T:	RAPID MULTILAYER PCB PROTOTYPING SYSTEM Rapid Multi-layer PCB Prototyping System 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						40.0	40.0
83)	Facility.: ORNL ADS No...: C98D0078 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7A 7C Budget #: ERKCL01 11A 11B Oth Scor: 45.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 10 A: T: 10	MANLIFT, HYDRAULIC OPERATED Manlift, hydraulically operated, self-propelled scissors unit, 25 feet working height. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						27.0	27.0
84)	Facility.: ORNL ADS No...: C98D0079 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Budget #: ERKCL01 11A 11C Oth Scor: 45.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 2 A: T: 2	PANTS PRESS, COLMAC HIGH PRODUCTION AUTOMATED UNIT Pants Press (2 each), Colmac High Production Automated Unit. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						70.0	70.0

NOTES: 1. Total score is adjusted RPM score.
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All Open ADSs

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
89)	Facility.: ORNL ADS No...: C98D0099 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7A 7C Budget #: ERKCL01 Oth Scor: 40.0000 Div/Dept: 021/ Manager.: POPE WW B: 17 A: T: 17	BUCKET TRUCK Bucket Truck, 2-man, 65-foot insulated for 69KV, 4-wheel drive. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					160.0	160.0	
					160.0	160.0	
90)	Facility.: ORNL ADS No...: C98D0101 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 40.0000 Div/Dept: 034/ Manager.: INMAN G B: A: T:	MICROWAVE SIGNAL GENERATOR Marconi 2052 digital and vector signal generator covering the 10 kHz to 5.4 GHz frequency range. This instrument is suitable for testing advanced communication systems 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					38.0	38.0	
					38.0	38.0	
91)	Facility.: ORNL ADS No...: C98D0102 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 40.0000 Div/Dept: 021/ Manager.: WHEDBEE JG B: 1 A: T: 1	GAUGE BLOCK COMPARATOR Guage Block Comparator 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					34.0	34.0	
					34.0	34.0	
92)	Facility.: ORNL ADS No...: C98D0103 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (RP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 40.0000 Div/Dept: 038/ Manager.: GREGORY DC B: A: T:	ORNL HP INSTRUMENT UPGRADE Replace stationary health physics instruments at ORNL. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					610.0	610.0	
					610.0	610.0	

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
93)	Facility.: ORNL ADS No...: C98D0105 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 40.0000 Div/Dept: 021/ Manager.: POPE WW B: 1 A: T: 1	COMPACTOR TRAILER Compactor Trailer 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
		11B 11C				100.0	100.0
		15B 15C				100.0	100.0
94)	Facility.: ORNL ADS No...: C98D0106 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Oth Scor: 40.0000 Div/Dept: 024/ Manager.: ORLIN TF B: 0 A: T: 0	EDDY CURRENT EQUIPMENT Eddy Current Equipment 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
		11B 11C				40.0	40.0
						40.0	40.0
95)	Facility.: ORNL ADS No...: C98D0109 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 006/ Manager.: BROWN WK B: 10 A: T: 10	RADIOACTIVE MATERIALS SHIPPING CASK A shipping cask for transportation of radioactive/radioactively contaminated parts and materials is requested to support a variety of activities at ORNL. The cask will be fabricated to comply with applicable regulatory and procedural requirements. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
		6B 6C				750.0	750.0
		11B 11C				750.0	750.0
		15B 15C				750.0	750.0
96)	Facility.: ORNL ADS No...: C98D0110 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (ER) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KCO000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Div/Dept: 013/ Manager.: REYNOLDS JD B: A: T:	DEMOLISH AND REPLACE BUILDING 6003 We are requesting the construction of a 9,700 sq. ft. office building in the ORNL Physics Division. The new building will replace building 6003, which will be demolished as part of this project. Presently 6003 provides twenty offices for KB nuclear physics, KC atomic physics, and AT atomic physics fusion programs. Each of these programs has undergone an expansion in the past few years with an overall increase in staff of 20%. The KB 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
						1,900.0	1,900.0
						1,900.0	1,900.0

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97)	Facility.: ORNL ADS No...: E93D0021 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Target Res/Pool.: RR B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: PROGRAMMATIC Div/Dept: 006/3330 Manager.: BROWN WK	HIGH FLUX ISOTOPE REACTOR (HFIR) OPERATION The mission of the HFIR is the production of transplutonium isotopes and other isotopes for industrial and medical applications and a wide variety of other experimental research programs. Research programs are in the areas of material damage, neutron activation analysis, and neutron diffraction experiments for the development of new materials. Operation of the reactor within all orders and requirements to assure the safety of	OE 1998 12,196.0 1999 12,196.0 2000 12,196.0 2001 12,196.0 2002 12,196.0 2003 12,196.0 2004 12,196.0 85,372.0	Total 12,196.0 12,196.0 12,196.0 12,196.0 12,196.0 12,196.0 12,196.0 85,372.0	FTE 82.00 82.00 82.00 82.00 82.00 82.00 82.00 574.00	
98)	Facility.: ORNL ADS No...: S97D0001 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0001 Oth Scor: 62.3000 Div/Dept: 018/ Manager.: WEST CD	NEUTRON SCIENCES SUPPORT BUILDING An equipment support facility of approximately 5000 sq ft will be constructed adjacent to the existing beam room at the High Flux Isotope Reactor. The facility will facilitate the separation of user activities from reactor operations at HFIR, provide research access to HFIR for Basic Energy Sciences, Health and Environmental Research, and Energy Efficiency and Renewable Energy programs and provide critically	OE 1998 1,775.0 1999 1,775.0 2000 1,775.0 2001 1,775.0 2002 1,775.0 2003 1,775.0 2004 1,775.0 1,775.0	GPP 1,775.0 1,775.0 1,775.0 1,775.0 1,775.0 1,775.0 1,775.0	Total 1,775.0 1,775.0 1,775.0 1,775.0 1,775.0 1,775.0 1,775.0	FTE 82.00 82.00 82.00 82.00 82.00 82.00 82.00
99)	Facility.: ORNL ADS No...: S97D0005 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: IADS A96A0007 Oth Scor: 50.0000 Div/Dept: 042/ Manager.: SHRINER DS	RENOVIATION OF 1506 GREENHOUSES Renovate and upgrade the four greenhouses adjoining Building 1506. This will include (1) replacement of the fiberglass roof with optically clear exolite acrylic panels; (2) upgrade of the cooling and heating systems; (3) installation of a ceiling-mounted waterwalker connected to both distilled and domestic water sources; (4) installation of a high-pressure sodium lighting system that will provide a minimum illuminance of	OE 1998 1,200.0 1999 1,200.0 2000 1,200.0 2001 1,200.0 2002 1,200.0 2003 1,200.0 2004 1,200.0 1,200.0	GPP 1,200.0 1,200.0 1,200.0 1,200.0 1,200.0 1,200.0 1,200.0	Total 1,200.0 1,200.0 1,200.0 1,200.0 1,200.0 1,200.0 1,200.0	FTE 82.00 82.00 82.00 82.00 82.00 82.00 82.00
100)	Facility.: ORNL ADS No...: S97D0010 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CA) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0029 Oth Scor: 61.5000 Div/Dept: 021/3725 Manager.: POPE WW Cmp Stat: Progress: Prg Type: 0	3000 SCFM AIR COMPRESSOR - BUILDING 2519 This project will purchase and install a new 3000 scfm, rotary screw turbine type, oil-less air compressor to replace aging units at the plant. The new unit will provide the Steam Plant with the capability to produce sufficient quantities of oil-free compressed air to satisfy the current 2200 + scfm site-wide demand. Clean, oil-free compressed air is used throughout the Laboratory to control equipment, systems, and processes and	OE 1998 1,000.0 1999 1,000.0 2000 1,000.0 2001 1,000.0 2002 1,000.0 2003 1,000.0 2004 1,000.0 1,000.0	GPP 1,000.0 1,000.0 1,000.0 1,000.0 1,000.0 1,000.0 1,000.0	Total 1,000.0 1,000.0 1,000.0 1,000.0 1,000.0 1,000.0 1,000.0	FTE 82.00 82.00 82.00 82.00 82.00 82.00 82.00

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101)	Facility.: ORNL ADS No...: S97D0011 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 75 25 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0032 Oth Scor: 40.0000 Div/Dept: 021/ Manager.: WHEDBEE JG	11B 11C B: 0 A: T: 0	AUTOMOTIVE WASH FACILITY Facility will have capacity to automatically wash vehicles from sedans to city-type buses and provide an area to clean compactors (garbage trucks) and dumpster pans. The facility will include waste water treatment equipment to permit full compliance with environmental regulations for effluent discharge.	OE	GPP	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004		350.0	350.0		
102)	Facility.: ORNL ADS No...: S97D0012 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0033 Oth Scor: 58.4000 Div/Dept: 021/ Manager.: BRENDLE RP	7B 7C 15a 15c B: 2 A: T: 2	BUILDING 7002 CHANGEHOUSE UPGRADE Renovate changehouse and bathroom area of Building 7002, increasing shower facilities and locker space and improving hygiene conditions.	OE	GPP	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004		500.0	500.0		
103)	Facility.: ORNL ADS No...: S97D0013 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Orig. ID: IADS A96A0036 Oth Scor: 43.0000 Div/Dept: 021/3725 Manager.: POPE WW	10B 10C 13B 13C 15B 15C 18B 18C B: 11 A: T: 11	NEW 4000 SCFM AIR DRYER Purchase and install a new 4000 scfm compressed air dryer. Dryer is to be dual tower desiccant type with prefilter capable of drying 4000 scfm at 100 psi and 100 degrees F. Dryer is to produce instrument quality air with a dew point of -40 degrees F.	OE	CE	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004		750.0	750.0		
104)	Facility.: ORNL ADS No...: S97D0017 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: KG/98-KG01-1 Orig. ID: IADS A96A0048 Oth Scor: 55.9000 Div/Dept: 021/3743 Manager.: POPE WW	3B 3C 6A 6C 8B 8C 13B 13C 15A 15C 18A 18C B: 163 A: T: 163	STEAM PLANT UPGRADE (BOILER ADDITION) This project will construct additional 100,000-lb boiler capacity at the ORNL Steam Plant. The new boiler will be capable of burning either natural gas or fuel oil using modern boiler technology. Also included in the project will be those boiler auxiliaries (pumps, fans, tanks, etc.) necessary to support plant operations.	OE	LIP	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004		3,400.0 1,900.0	3,400.0 1,900.0		
							5,300.0	5,300.0	

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data				
105)	Facility.: ORNL ADS No...: S97D0018 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Orig. ID: IADS A96A0051 Oth Scor: 46.2000 Acct. No: 3375-0001 Div/Dept: 014/3375 Manager.: YOOK HR	13B 13C 15B 15C B: 8 A: T: 8	REPLACEMENT OF AIR COMPRESSORS - BLDG. 7603 Replace the old (> 25 years) air compressors in the compressed air system serving Bldgs. 7601 and 7603. Deactivate the three old air compressors in Bldg. 7603. Procure one new screw-type air compressor and install in Bldg. 7610 (currently unused). Install piping to connect the new compressor in Bldg. 7610 to the existing compressed air system piping in Bldg. 7603. Test and activate new air compressor.	OE	CE	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		275.0	275.0		
106)	Facility.: ORNL ADS No...: S97D0019 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0052 Oth Scor: 53.0000 Div/Dept: 021/ Manager.: POPE WW	7B 7C 11B 11C 15b 15c B: 1 A: T: 1	MELTON VALLEY ROAD REPLACEMENT This project will require the removal of the existing asphalt surface with alignment of the road both vertically and horizontally. This may entail modifying/extending existing drainage structures as well as installation of new drainage structures.	OE	GPP	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		3,100.0	3,100.0		
107)	Facility.: ORNL ADS No...: S97D0020 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0058 Oth Scor: 43.0000 Div/Dept: 021/3743 Manager.: POPE WW	6B 6C 13B 13C 15B 15C B: 17 A: T: 17	RESTORE NATURAL GAS DISTRIBUTION SYSTEM This project will restore the existing natural gas distribution grid located in the Bethel Valley area of the Laboratory. Restoration activities will include replacement of line segments, valves, and pressure regulators where warranted and will use trenchless technology techniques to rehabilitate pipe where these methods can be proven cost effective. All cathodic protection systems currently in use to prevent corrosion of	OE	GPP	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		1,800.0	1,800.0		
108)	Facility.: ORNL ADS No...: S97D0021 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0059 Oth Scor: 50.0000 Div/Dept: 021/3640 Manager.: POPE WW	10B 10C 12a 12c 15A 15C 18B 18C B: 315 A: T: 315	REPAIR #1 RESERVOIR This project will repair deficiencies identified during an internal inspection of the 3 million gallon #1 water reservoir. This concrete reservoir serves the Bethel Valley portion of the Laboratory and provides water storage capacity for both operational needs and fire protection purposes. Internal inspections are performed every five years to monitor and assess reservoir condition. During the last inspection, spalled	OE	GPP	Total	FTE
			1998 1999 2000 2001 2002 2003 2004		1,600.0	1,600.0		

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
109)	Facility.: ORNL ADS No...: S97D0023 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0061 Oth Scor: 51.0000 Div/Dept: 021/3648 Manager.: POPE WW B: A: T:	EXTEND WATER MAIN - 7000 AREA This project will extend the existing water distribution grid into the area east of the Laboratory's 7000 Area. This area currently houses numerous material storage buildings as well as two research/materials processing facilities. Water service in the area is currently limited and is being provided by a single 8-inch steel line. The project will construct an 8-inch looped system in the area and will provide hydrants, as well as	OE	GPP	Total	FTE
		11B 13B 13C 15B 15C	1998 1999 2000 2001 2002 2003 2004	50.0	1,000.0	50.0 1,000.0 1,050.0	
110)	Facility.: ORNL ADS No...: S97D0024 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0063 Oth Scor: 42.2000 Div/Dept: 021/3648 Manager.: POPE WW B: A: T:	INSTALL WATER METERS, ALL BUILDINGS This activity will install water meters on service lines to major user facilities at the Laboratory. It is projected that approximately 75 meters will need to be procured and installed either at existing building service entrances or in meter pits located outside the facilities.	OE	GPP	Total	FTE
		B: A: T:	1998 1999 2000 2001 2002 2003 2004		1,500.0	1,500.0 1,500.0	
111)	Facility.: ORNL ADS No...: S97D0029 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0100000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: 94-E-363 Orig. ID: IADS A96A0080 Oth Scor: 62.6000 Div/Dept: 021/ Manager.: WHEDBEE JG B: A: T:	ROOFING REPLACEMENT, ORNL (LI) The project described involves the replacement of deteriorated roofs on buildings and facilities throughout the ORNL complex. Most of the roofs at the complex have been in service for over 30 years; because of deterioration, they have developed many leaks. In many instances, these leaks have adversely affected equipment, records, and research as well as health and safety of personnel working with the facilities.	OE	LIP	Total	FTE
		6B 6C 13B 13C 15B 15C	1998 1999 2000 2001 2002 2003 2004		3,921.0 4,908.0 1,749.0	3,921.0 4,908.0 1,749.0	
		B: A: T:			10,578.0	10,578.0	
112)	Facility.: ORNL ADS No...: S97D0032 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0085 Oth Scor: 64.0000 Div/Dept: 021/3743 Manager.: POPE WW B: A: T:	WEST END STEAM UPGRADE COMPLETION This project will perform those activities necessary to complete the West End Steam System Upgrade. Included in the work will be the completion of concrete trench duct, installation of steam piping, compressed air piping, condensate return piping, insulation of this piping, and final tie-ins to existing buildings. Design work has been completed and materials for completion of these tasks are on hand.	OE	GPP	Total	FTE
		13B 13C 15b 15c	1998 1999 2000 2001 2002 2003 2004		200.0	200.0	
		B: A: T:			200.0	200.0	

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
113)	Facility.: ORNL ADS No...: S97D0033 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL51 Orig. ID: IADS A96A0090 Oth Scor: 43.0000 Acct. No: 40200000 Div/Dept: 021/ Manager.: BREWER FS	11A 11C B: 0 A: T: 0	GROUNDS IMPROVEMENT, ORNL AT Y-12 - ERKCL51 Grounds improvement includes maintenance of grounds, streets, walks, and drainage in areas immediately adjacent to the ORNL@Y12 facilities. Included in this work, in addition to lawn mowing, are control of vegetation, care of shrubbery, and exiting grounds maintenance.	OE 1998 1999 2000 2001 2002 2003 2004	Total 125.0 135.0 260.0	FTE 125.0 135.0 260.0
114)	Facility.: ORNL ADS No...: S97D0034 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL51 Orig. ID: IADS A96A0091 Oth Scor: 57.5000 Acct. No: 40210000 WBS Code: 212100000 Div/Dept: 021/ Manager.: BREWER FS	11B 11C B: 0 A: T: 0	RENOVATE FACILITIES, ORNL AT Y-12 - ERKCL51 Renovating the ORNL@Y-12 facilities involves repairing the (1) infrastructure, (2) interior and exterior structures not covered in other requests, (3) upgrading the rest rooms and change rooms (interior walls, painting, piping, showers, toilets, etc.), (4) upgrading conference rooms, labs, offices, etc. Many areas have not been upgraded since being constructed during the 1940s and 1950s.	OE 1998 1999 2000 2001 2002 2003 2004	Total 105.0 110.0 215.0	FTE 105.0 110.0 215.0
115)	Facility.: ORNL ADS No...: S97D0035 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL51 Orig. ID: IADS A96A0093 Oth Scor: 62.2000 Div/Dept: 021/ Manager.: BREWER FS	10B 10C B: 1 A: T: 1	PIPING UPGRADE, ORNL AT Y-12 -ERKCL51 Piping upgrades include (1) rerouting piping, (2) upgrading backflow preventers, (3) labeling piping, (4) replacing process and potable water lines, and (5) installing slotted drains. In areas where lines are to be replaced, the ceilings below the pipes are plaster with asbestos fibers to act as binders. Any leaking pipe drips onto the ceiling and then must be sealed off with plastic barriers until the leaks and the ceiling	OE 1998 1999 2000 2001 2002 2003 2004	Total 150.0 50.0 200.0	FTE 150.0 50.0 200.0
116)	Facility.: ORNL ADS No...: S97D0036 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: OSHA 1915A Budget #: ERKCL51 Orig. ID: IADS A96A0094 Oth Scor: 53.0000 Div/Dept: 021/ Manager.: BREWER FS	7B 7C 10A 10C B: 20 A: T: 20	ELECTRICAL UPGRADE, ORNL AT Y-12 - ERKCL51 Electrical upgrades include (1) replacing lighting center, (2) restoring 480-V electrical systems, (3) replacing crane feed rails, (4) upgrading switchgear areas, and (5) intercom/radio system upgrades.	OE 1998 1999 2000 2001 2002 2003 2004	Total 750.0 785.0 1,535.0	FTE 750.0 785.0 1,535.0

NOTES: 1. Total score is adjusted RPM score.
 2. "Other" score, if any appears in 2nd identification column.
 3. B = Before, A = After, T = Total (adjusted)

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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
117)	Facility.: ORNL ADS No...: S97D0037 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KCO00000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL51 Orig. ID: IADS A96A0096 Oth Scor: 45.2000 Acct. No: 40210000 WBS Code: 212100000 Div/Dept: 021/ Manager.: BREWER FS	11B 11C B: 0 A: 0 T: 0	EXTERIOR UPGRADES, ORNL AT Y-12 - ERKCL51 Exterior infrastructure repairs include (1) installation of metal siding on buildings to cover the clay concrete tiles, which have deteriorated and are falling to the ground (tiles also hold moisture and develop cracks, causing interior damage to walls); (2) painting buildings where installation of metal siding would not be practical and buildings are currently covered with paint containing asbestos fiber and a small amount	OE		Total	FTE
				1998				
				1999	1,593.0		1,593.0	
				2000	1,637.0		1,637.0	
				2001				
				2002				
				2003				
				2004				
					3,230.0		3,230.0	
118)	Facility.: ORNL ADS No...: S97D0039 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: DZ0101 B&R Code.: ERKC00000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL51 Orig. ID: IADS A96A0099 Oth Scor: 41.5000 Acct. No: 40210000 WBS Code: 212100000 Div/Dept: 021/ Manager.: BREWER FS	11B 11C B: 0 A: 0 T: 0	INTERIOR UPGRADES, ORNL AT Y-12 - ERKCL51 Interior restoration includes painting all required areas inside the ORNL@Y12 facilities. High bays, offices, work areas, labs, etc., in facilities have not been painted since original construction. Most of the deteriorated walls in these areas are covered by asbestos paint or asbestos wall covering.	OE		Total	FTE
				1998				
				1999	181.0		181.0	
				2000	191.0		191.0	
				2001				
				2002				
				2003				
				2004				
					372.0		372.0	
119)	Facility.: ORNL ADS No...: S97D0040 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A96A0103 Oth Scor: 55.0000 Div/Dept: 021/ Manager.: SPANN MA	11A 11C 18B 18C B: 2 A: 2 T: 2	AUXILIARY SYSTEMS UPGRADES This activity includes the upgrade of auxiliary systems such that (1) Vertical turbines for circulation of cooling tower water will be replaced. (2) Vacuum pumps will be replaced or reworked. (3) Condensate pumps will be replaced. (4) Sump pumps will be replaced.	OE	GPP	Total	FTE
				1998				
				1999				
				2000				
				2001		250.0	250.0	
				2002				
				2003				
				2004				
						250.0	250.0	

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123)	Facility.: ORNL ADS No...: S97D0052 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A97A0001 Oth Scor: 51.0000 Div/Dept: 006/ Manager.: BROWN WK	HFIR ENTRANCE ADDITION/EXPANSION Improved entry into the High Flux Isotope Reactor (HFIR) building is needed to allow for improved operational efficiencies. This project involves the enhancement of the two existing personnel entrances into the HFIR and the addition of a third on the east side of the reactor building adjacent to the truck air lock. 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
		15A 15C				1,000.0	1,000.0
		B: 14 A: T: 14	Main (West) Entrance			1,000.0	1,000.0
124)	Facility.: ORNL ADS No...: S97D0055 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A97A0007 Oth Scor: 60.0000 Div/Dept: 021/3743 Manager.: POPE WW	500,000-GALLON STEEL FUEL OIL STORAGE TANK Construct a 500,000-gal prefabricated steel storage tank and secondary containment structure adjacent to the ORNL Steam Plant. This tank will be used to store fuel oil, which is used as an emergency fuel source for the generation of steam at the facility. Associated fuel oil transfer lines and pumps used to move the fuel from the tank into the steam plant will be included in the project as will a fire suppression system for the 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
		3B 3C 6A 6C 8B 8C 13b 13c 15A 15C 18A 18C				1,500.0	1,500.0
		B: 163 A: T: 163				1,500.0	1,500.0
125)	Facility.: ORNL ADS No...: S97D0056 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A97A0008 Oth Scor: 60.0000 Div/Dept: 021/3743 Manager.: POPE WW	#5 BOILER UPGRADE, ORNL STEAM PLANT - ERKCL02 Upgrade the natural gas/fuel oil burners, combustion system auxiliaries, and boiler controls on the #5 boiler in the ORNL Steam Plant. This will involve replacement of the burners and associated support systems and replacement of existing boiler controls. 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
		6B 6C 10B 10C 13B 13C 15B 15C 18B 18C				500.0	500.0
		B: 20 A: T: 20				500.0	500.0
126)	Facility.: ORNL ADS No...: S97D0058 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (RP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: 10CFR835 Budget #: ERKCL02 Orig. ID: IADS A97A0010 Oth Scor: 50.0000 Div/Dept: 037/ Manager.: WALKER RM	LM TRANSPORTATION & PACKAGING MANAGEMENT FACILITY The building consists of a one-story building 85 ft x 130 ft with 3400 sq ft of mezzanine. The building has 3 managers' offices, 16 other offices, a shipping area 30 ft x 20 ft, a loading dock, and a hazardous/nonhazardous and radioactive packaging area. 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
		7A 7C 10A 10C 15a 15c				1,900.0	1,900.0
		B: 32 A: T: 32	The new Lockheed Martin Transportation and Packaging Management (LMTPM) Organization facility			1,900.0	1,900.0

NOTES: 1. Total score is adjusted RPM score.
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127)	Facility.: ORNL ADS No...: S97D0059 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A97A0029 Oth Scor: 52.0000 Div/Dept: 026/3205 Manager.: STALLIONS DR	15a 15c B: 4 A: T: 4	SECURITY PERIMETER CONFIRGURATION Activities associated with this IADS are those necessary to configure the Security Perimeter at ORNL in a manner which meets current and long-term operational needs and DOE requirements. This includes installing guard booths at the appropriate ingress/egress locations and establishing the proper barriers to maintain the Property Protection Areas.	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		600.0	600.0	
						600.0	600.0	
128)	Facility.: ORNL ADS No...: S97D0060 SO/OO/Ctr: ER/OR/ Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Orig. ID: IADS A97A0031 Oth Scor: 45.0000 Div/Dept: 026/3205 Manager.: STALLIONS DR	B: A: T:	ORNL VISITOR CENTER Activities associated with this IADS are those necessary to construct a new visitor center for ORNL which includes access road changes. This modern, easily accessible center will meet current and long-term needs to provide access to ORNL facilities in support of national and international research endeavors.	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		1,350.0	1,350.0	
						1,350.0	1,350.0	
129)	Facility.: ORNL ADS No...: C98D0120 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Div/Dept: 001/ Manager.: BERVEN BA	12a 12c 15A 15C B: 311 A: T: 311	ENVIRONMENTAL AND LIFE SCIENCES LABORATORY This project will construct a 64-foot-wide by 100-foot-long two-story laboratory building located in close proximity to two generic office buildings immediately west of Building 1000. The new research laboratory facility will consist of eight large laboratories of approximately 1250 square feet each. The laboratories will have HEPA ventilated hoods, sinks, and topical counters.	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		200.0 1,750.0	200.0 1,750.0	
						1,950.0	1,950.0	
130)	Facility.: ORNL ADS No...: C98D0121 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC03 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: KLEMSKI JJ	6B 6C 15b 15c B: 9 A: T: 9	REPLACE FLEET VEHICLES (GPE) The ORNL Vehicle Fleet includes a total of 109 vehicles which must be replaced utilizing GPE Funding. They include: Trucks (8500 to 12499 GVW) - 30 Trucks over 1600 GVW - 36 Special Purpose Vehicles - 37 Ambulances - 2 Bus - 4	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		330.0 330.0 330.0 330.0 330.0 330.0	330.0 330.0 330.0 330.0 330.0	
						2,310.0	2,310.0	

NOTES: 1. Total score is adjusted RPM score.
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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
131)	Facility.: ORNL ADS No...: C98D0123 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Div/Dept: 020/ Manager.: DEGANGI S B: 6 A: T: 6	CHILD CARE AND FITNESS CENTER Provide a Child Care and Fitness Center with a capacity of 100 children. The facility will be located adjacent to Bethel Valley Road in the 6000 area of ORNL and will encompass a fenced area of 675' X 130'. Traffic controls will be provided as required for access to the center. The building will be sized between 7000 and 13,000 square feet of space. 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
					1,000.0	1,000.0	
					1,000.0	1,000.0	
132)	Facility.: ORNL ADS No...: C98D0126 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: DESCRIPTION Div/Dept: 021/ Manager.: WHEDBEE JG B: 173 A: T: 173	F.A.-PLANT AND EQUIPMENT (OH/TARGET) This activity provides the funding that allows the P&E Division to maintain facilities, infrastructure, and associated systems in an efficient, economical, and safe manner in accordance with proven maintenance management principles. The total P&E Overhead Budget is established by the Overhead Budget Committee at ORNL and does not represent the total budget that may be allocated through the DOE for all 1998 1999 2000 2001 2002 2003 2004	OE		Total	FTE
					14,597.0	14,597.0	
					15,097.0	15,097.0	
					15,097.0	15,097.0	
					15,097.0	15,097.0	
					15,097.0	15,097.0	
					15,097.0	15,097.0	
					15,097.0	15,097.0	
					105,179.0	105,179.0	
133)	Facility.: ORNL ADS No...: C98D0142 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CA) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: POPE WW Cmp Stat: Progress: Prg Type: 5 B: 163 A: T: 163	CONVERT STEAM PLANT BOILERS TO NATURAL GAS FIRING This task will entail retrofitting the existing boiler structures to remove coal-related equipment and installing new burner arrangements to allow the boilers to each produce 50,000 lbs of steam per hour with gas and oil fuel. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					1,050.0	1,050.0	
					1,050.0	1,050.0	
					2,100.0	2,100.0	
134)	Facility.: ORNL ADS No...: C98D0145 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Div/Dept: 021/ Manager.: POPE WW B: 14 A: T: 14	REPLACE EAST END WATER SOFTENERS - B 2519 This project will consist of removal and disposal of the old softener system and de-aerator tank, purchase and installation of the new equipment, and purchase and installation of state-of-art control system. 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
					750.0	750.0	
					750.0	750.0	

NOTES: 1. Total score is adjusted RPM score.
2. "Other" score, if any appears in 2nd identification column.
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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
135)	Facility.: ORNL ADS No...: C98D0166 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: POPE WW		INSTALL DRY CLEANERS AT HFIR Purchase and install two trailer-mounted Bartlett Services Inc., "Sonatol" Model SDC-80 Fluorocarbon Dry Cleaning Machine, 80lb. Drum capacity, complete with chiller, still and multi-stage filtration to enhance removal of radioactive particles from the fluorocarbon surfactant solution. One unit is to be used for beta/gamma contaminated items and the other is to be used for alpha contaminated items. The self-contained	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		400.0	400.0	
136)	Facility.: ORNL ADS No...: C98D0167 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: CWA Budget #: ERKCL30 Div/Dept: 021/ Manager.: POPE WW Cmp Stat: Progress: Prg Type: 5	10A 10C 15B 15C 18A 18C B: 40 A: T: 40	COOLING TOWER MAINTENANCE - ERKCL30 Cooling Tower Maintenance. Cooling Towers 2026, 3525, 4511, and 6001 are critically degraded due to age and failure to adequately maintain. GPP Funding is being requested to replace 4511 and 6001 towers; however, until the towers are replaced, extensive maintenance is required to preserve their operability and assure the safety of personnel	OE		Total	FTE
				1998 1999 2000 2001 2002 2003 2004	200.0 208.0	408.0	408.0	
137)	Facility.: ORNL ADS No...: C98D0169 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: OSHA 1910A Budget #: ERKCL30 Div/Dept: 021/ Manager.: WHEDBEE JG	10A 10C 15B 15C 18A 18C B: 40 A: T: 40	SUPP. ROOF PREVENT. MAINT.& EMERG.REPAIRS-ERKCL30 Supplemental Roof Preventative Maintenance and Emergency repairs Currently, leaks in roofing are causing structural failures and unsafe working conditions for the general plant population and visitors. Additional funding would permit the reduction of roof repair backlog and would permit predictive and programmed maintenance of ORNL roofing.	OE		Total	FTE
				1998 1999 2000 2001 2002 2003 2004	341.0 352.0	693.0	693.0	
138)	Facility.: ORNL ADS No...: C98D0171 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL50 Div/Dept: 021/ Manager.: POPE WW	15b 15C B: A: T:	DEMOLISH 2061 MASONRY CHIMNEY - ERKCL50 Project: Demolish the 2061 Masonry Chimney - Contract with a specialty chimney contractor to demolish the Old Steam Plant (Bldg 2011) chimney located south of Building 2010. A chimney contractor has indicated that this abandoned structure will become unstable if allowed to continue to stand in its present condition. When not in use, acid rain and the effects of freeze/thaw cycles degrade the internal support	OE		Total	FTE
				1998 1999 2000 2001 2002 2003 2004	300.0	300.0	300.0	

NOTES: 1. Total score is adjusted RPM score.
2. "Other" score, if any appears in 2nd identification column.
3. B = Before, A = After, T = Total (adjusted)

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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
143)	Facility.: ORNL ADS No...: C98D0176 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: / Budget #: ERKCL50 Div/Dept: 021/ Manager.: POPE WW	15a 15C B: 1 A: / T: 1	UPGRADE UTILITY SUPPORT STRUCTURES - ERKCL50 Project: Upgrade Utility Support Structures, Melton Valley Steam Line - This project will replace approximately 40 decayed wooden steam line supports on the Melton Valley steam supply line. Total Estimated Cost, FY 2001 - \$150K.	OE 1998 1999 2000 2001 2002 2003 2004	150.0 150.0	Total 150.0	FTE 2.00
144)	Facility.: ORNL ADS No...: P98D0003 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (NS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: DOE O 420.1 Orig. ID: PMTS: ERKCL10 00 Div/Dept: 022/ Manager.: MINCEY JF	10A 10C B: 19 A: / T: 19	NUCLEAR CRITICALITY SAFETY PROGRAM:O 420.1 UPGRADE Section 4.3 of DOE Order O 420.1 has been adopted as the principal Nuclear Criticality Safety (NCS) Work Smart Standard requirement for LMER. While bringing needed flexibility in the application of ANS 8 NCS requirements and recommendations, O 420.1 does increase the number of NCS requirements that must be addressed by Nuclear Criticality Safety Evaluations (NCSEs) and Approvals (NCSAs). This proposal requests the additional funding,	OE 1998 1999 2000 2001 2002 2003 2004	365.0 325.0 690.0	Total 690.0	FTE 4.00
145)	Facility.: ORNL ADS No...: P98D0004 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: / Orig. ID: PMTS: ERKCL17 00 Div/Dept: 027/ Manager.: STEWART RANDALL C	11B 11C 13B 13C 15B 15C B: 8 A: / T: 8	WASTE MANAGEMENT STRATEGIC PLANNING This activity provides for planning and program support to the Waste Management and Remedial Action Division (WMRAD). The mission of the WMRAD includes ensuring the current and future availability of waste management capability as required to support ORNL's current and future research and development activities. Strategic planning ensures needed projects and activities are identified in a timely manner and facilitates	OE 1998 1999 2000 2001 2002 2003 2004	942.0 890.0 1,832.0	Total 1,832.0	FTE 12.00
146)	Facility.: ORNL ADS No...: P98D0005 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: CWA Orig. ID: PMTS: ERKCL20 00 Div/Dept: 035/ Manager.: VALENTINE CHARLES K Cmp Stat: / Progress: / Prg Type: 5	10A 10C 13B 13C 15B 15C 18A 18C B: 47 A: / T: 47	COMPLIANCE WITH REVISED NPDES LIMITS ORNL National Pollutant Discharge Elimination System (NPDES) Permit renewal includes effluent limits that may be met best by physically combining existing NPDES outfalls X01 (Sewage Treatment Plant), X02 (Coal Yard Runoff Treatment Facility), and possibly other outfalls. Combining outfalls may allow effluent constituent and receiving-stream impacts to be moderated such that permit limits can be met. This activity would	OE 1998 1999 2000 2001 2002 2003 2004	459.0 407.0 866.0	Total 866.0	FTE 2.00

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151)	Facility.: ORNL ADS No...: P98D0011 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 80 20 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Orig. ID: PMTS: ERKCL29 00 10B 10C Div/Dept: 021/ 13B 13C Manager.: DAVIS WD 15B 15C B: 10 A: T: 10	ORNL MAINTENANCE - LCAM COMPLIANCE/FACILITIES CAS DOE Order 430.1, Life Cycle Asset Management, is directed at ensuring safe and reliable operation of DOE facilities. The activities involved include the process for the operation and maintenance of physical assets in the maintenance program; the establishment of requirements, budgets, and a work management system to maintain physical assets; the preventive, predictive, and corrective maintenance to ensure physical asset	OE 1998 1999 1,104.0 2000 982.0 2001 850.0 2002 850.0 2003 850.0 2004 4,636.0	Total 1,104.0 982.0 850.0 850.0 850.0 4,636.0	FTE Total 1,104.0 982.0 850.0 850.0 850.0 4,636.0
152)	Facility.: ORNL ADS No...: P98D0013 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: 7A 7C Orig. ID: PMTS: ERKCL34 00 9A 9C Div/Dept: 021/ 15B 15C Manager.: ALLRED CE B: 85 A: T: 85	REMOVE ASBESTOS FROM CONTROLLED AREAS Asbestos controlled areas are areas where friable asbestos-containing insulation has become deteriorated and presents a potential health hazard (employee exposure) to employees entering these areas. Personal protective equipment is required to enter these area. Work includes the removal of friable asbestos-containing insulation via high powered vacuum system (super sucker) and via insulation encapsulation. The targeted	OE 1998 1999 522.0 2000 243.0 2001 2002 2003 2004 765.0	Total 522.0 243.0 765.0	FTE 522.0 243.0 765.0
153)	Facility.: ORNL ADS No...: P98D0014 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: ERKCL35 00 Div/Dept: 021/ Manager.: POPE WW B: A: T:	GROUNDS IMPROVEMENTS AT ORNL Grounds improvements identified include 1) work to stabilize creek banks at culvert discharge to the streams; 2) repair of the retaining wall, south side, Bldg 2010; 3) installation of drainage in west parking off First Street to eliminate water standing on the parking lot causing an icing problem; 4) installation of shrubs, trees, and flower/ground cover at various locations to improve the aesthetics of the Laboratory; 5)	OE 1998 1999 235.0 2000 171.0 2001 180.0 2002 185.0 2003 190.0 2004 961.0	Total 235.0 171.0 180.0 185.0 190.0 961.0	FTE 235.0 171.0 180.0 185.0 190.0 961.0
154)	Facility.: ORNL ADS No...: P98D0015 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Orig. ID: PMTS: ERKCL36 00 Div/Dept: 021/ 15B 15C Manager.: POPE WW B: 2 A: T: 2	ROAD AND PARKING LOT REPAIR - ORNL Included in this activity are the following projects: 1) supplemental maintenance paving and road/street repair - resurfacing and repair of streets and parking lots that are beginning to break down and deteriorate. This work will prevent damage to the subgrade and development of "potholes."; 2) installation of parking, south side, Bldg 3550 - this is to provide adequate parking for occupants of this facility; 3) pave	OE 1998 1999 817.0 2000 247.0 2001 200.0 2002 200.0 2003 200.0 2004 1,664.0	Total 817.0 247.0 200.0 200.0 200.0 1,664.0	FTE 817.0 247.0 200.0 200.0 200.0 1,664.0

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155)	Facility.: ORNL ADS No...: P98D0016 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IH) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: ERKCL37 00 Div/Dept: 036/ Manager.: WILSON CATHRYN POST	11B 11C B: 0 A: T: 0	HEAVY METAL SURVEY AND ASSESSMENT Ensuring the health and safety of workers and the public through compliance with regulatory standards and adherence to the best health and safety practices is a primary concern of ORNL management. The Office of Safety and Health Protection (OSHP) has endeavored to develop and maintain programs that ensure a safe and healthy workplace environment for all ORNL employees, visitors, and the public. Utilizing a combined	OE	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004	289.0 208.0 497.0	289.0 208.0 497.0	0.30 0.30 0.60	
156)	Facility.: ORNL ADS No...: P98D0017 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: ERKCL38 00 Div/Dept: 036/ Manager.: WILSON SWATI G	8B 8C 15B 15C B: 14 A: T: 14	LEAD SHOP PILOT PROJECT The Department of Energy's Material-in Inventory (MIN) report estimates ORNL's lead inventory at 3.9 million pounds. This increase in inventory is attributed to suspension of lead shop operations since 1989. As a result, ORNL Lead Task Team was established to address lead issues and the lead shop resumed operation in September 1995 so lead can be recycled. However, ORNL still procures lead from external sources because the lead shop	OE	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004	191.0 191.0	191.0 191.0	1.60 1.60	
157)	Facility.: ORNL ADS No...: P98D0018 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 90 10 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: ERKCL39 00 Div/Dept: 036/ Manager.: WILSON SWATI G	15a 15c B: 1 A: T: 1	MOBILE SELF-CONTAINED DECONTAMINATION UNIT ORNL has several tons of contaminated lead which are located at the Oak Ridge site occupying valuable mixed waste storage areas. Currently, approximately 400 fifty-five gallon drums of contaminated lead are stored at the mixed waste storage areas. The contaminated lead presents a long-term problem because it is classified as mixed waste and must be stored indefinitely. The Laboratory spends approximately \$1500/drum per	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004	1,167.0	1,167.0	6.40 6.40	
158)	Facility.: ORNL ADS No...: P98D0019 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: DOE O 440.1 Orig. ID: PMTS: ERKCL40 00 Div/Dept: 036/ Manager.: NICHOLS WILMA S	6A 6C 10A 10B 13B 13C 15A 15C B: 138 A: 50 T: 188	ORNL S&H - BLDG. ELECTRICAL SYSTEM UPGRADE ORNL facilities' Condition Assessment Survey identified legacy vulnerabilities from fire and electrical shock hazards principally due to ageing facilities and installations which do not meet the National Electrical Code. Many of these were categorized as urgency repair code #1 - asset condition critical, urgency repair code #2 - asset condition serious, or urgency repair code #3 - asset condition degrades. Money is not available	OE	Total	FTE	
				1998 1999 2000 2001 2002 2003 2004	2,318.0 2,000.0 4,318.0	2,318.0 2,000.0 4,318.0	8.10 8.00 16.10	

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163)	Facility.: ORNL ADS No...: P98D0026 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: [OTHER] Orig. ID: PMTS: ERKCL47 00 Div/Dept: 021/ Manager.: ALLRED CE B: 21 A: T: 21	ORNL FACILITY ASBESTOS SURVEY Approximately 60% of the facilities located at ORNL have been surveyed for the identification of asbestos. This program will provide funding to complete the asbestos survey for the remaining 40% of the buildings within the ORNL facility. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
		10A 10C		407.0	407.0	
		15B 15C		349.0	349.0	
				756.0	756.0	
164)	Facility.: ORNL ADS No...: P98D0027 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: ERKCL48 00 Div/Dept: 021/ Manager.: POPE WW B: 163 A: T: 163	REHABILITATE ORNL POTABLE/FIRE PROTECTION WATER RE Comprehensive inspections were conducted by an independent engineering firm to determine the status of the water storage reservoirs serving the ORNL site. These inspections identified a continuing degradation of these structures both internally and externally which will, if left uncorrected, seriously impact the function of these structures. These include the #1 Reservoir, #2 Reservoir, and DOSAR Reservoir. The 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
		12A 12C		1,159.0	1,159.0	
		15A 15C		421.0	421.0	
				1,580.0	1,580.0	
165)	Facility.: ORNL ADS No...: P98D0028 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: CWA Orig. ID: PMTS: ERKCL49 00 Div/Dept: 021/ Manager.: ARP RR Comp Stat: Progress: Prg Type: 5 B: 176 A: T: 176	CHLORINE REMOVAL FROM STORM DRAINS Current NPDES permits require monitoring of each outfall for chlorine and where amounts above 1.2 grams per day are found, remediation is required. The source of chlorine is once through cooling of processes, water cooled condensers, and underground water leaks. Funds from this project will be used to identify sources and eliminate them from the storm drain system. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
		8A 8C		660.0	660.0	
		13B 13C		490.0	490.0	
		15B 15C				
		18A 18C				
				1,150.0	1,150.0	
166)	Facility.: ORNL ADS No...: P98D0034 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0402000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: DOE O 440.1 Orig. ID: PMTS: ERKG002 00 Div/Dept: 036/ Manager.: HORTON CY B: 22 A: T: 22	ELECTRICAL OSHA NONCOMPLIANCES (KG) Correct current RAC 3 electrical noncompliances. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
		7B 7C		11.0	11.0	0.10
		10A 10C				
		15B 15C				
				11.0	11.0	0.10

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167)	Facility.: ORNL ADS No...: P98D0035 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CS) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0402000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: RCRA Orig. ID: PMTS: ERKG013 00 Div/Dept: 027/ Manager.: STEWART RANDALL C Cmp Stat: Progress: Prg Type: 5	8A 8C 15B 15C B: 149 A: T: 149	ORNL SUBTITLE I UST COMPLIANCE The purpose of the Underground Storage Tank (UST) Management Program is to provide activities to ensure ORNL compliance with RCRA Subtitle I requirements by FY1998. The program costs reflect the minimum regulatory requirements to implement UST tightness testing, inventory management, monitoring, upgrade/replacement or closure, and site remediation. There are approximately nine (9) USTs and their interconnecting piping that	OE	1998 135.0 1999 2000 2001 2002 2003 2004	Total 135.0	FTE
168)	Facility.: ORNL ADS No...: P98D0036 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Direct-Target Res/Pool.: YA0901 B&R Code.: KG0402000 Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Orig. ID: PMTS: ERKG032 00 Div/Dept: 020/ Manager.: MEDLEY AR	B: A: T:	INFRASTRUCTURE MANAGEMENT PLAN Direct funding is requested to develop and implement a pilot demonstration of a process to produce an Infrastructure Management Plan for Oak Ridge National Laboratory. The management planning process should be structured in a similar manner to the ES&H Management Plan, allowing infrastructure to be managed as an integrated program at the site and providing the information necessary to support overhead budgeting at the	OE	1998 1999 2000 2001 2002 2003 2004	Total	FTE
169)	Facility.: ORNL ADS No...: P98D0038 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (MR) Funding...: Direct-Unfunded Res/Pool.: YA0122 B&R Code.: WB0100000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: MAWB004 00 Div/Dept: 021/ Manager.: WHITEFIELD JOSEPH C Cmp Stat: Progress: Prg Type: 5	15B 15C B: 1 A: T: 1	IN HOUSE ENERGY MGMT STUDIES This FWP describes tasks to be conducted as DOE energy management studies in ORNL facilities. These studies are part of ORNL's effort to achieve energy consumption and efficiency goals established in it's Ten-Year Energy Management Plan. These tasks include:	OE	1998 21.0 1999 2000 2001 2002 2003 2004	Total 21.0	FTE
170)	Facility.: ORNL ADS No...: P98D0045 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0082 01 Div/Dept: 023/ Manager.: PHILLIPS JAMES E	10B 10C B: 1 A: T: 1	RESTORE OCCUPATIONAL MEDICAL PROGRAM Staff, materials, and support to bring the Occupational Medical Program back into compliance with DOE Order G 440.1-4.	OE	1998 395.0 1999 324.0 2000 334.0 2001 2002 2003 2004	Total 1,053.0	FTE 4.00 4.00 4.00 12.00

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171)	Facility.: ORNL ADS No...: P98D0049 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (MR) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0085 04 Div/Dept: 021/ Manager.: POPE WW	7B 7C 15b 15c B: 1 A: T: 1	SECONDARY ROAD MAINTENANCE Increase maintenance on secondary roads per DOE guidelines to provide safer driving conditions. The Oak Ridge Reservation Management Plan presented by LMES/LMER to DOE calls for a level of maintenance greater than that presently funded. Includes bi-annual inspection of 7 bridges.	OE 1998 55.0 1999 15.0 2000 2001 2002 2003 2004	Total 55.0 15.0 70.0	FTE 15.0 70.0
172)	Facility.: ORNL ADS No...: P98D0050 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0085 05 Div/Dept: 021/ Manager.: POPE WW	7B 7C B: 0 A: T: 0	PAVING Increase maintenance paving & establish an annual paving program to maintain paved roads for safe driving conditions. A routine maintenance paving program has not existed for many years. Several roads & parking areas show extreme deterioration.	OE 1998 140.0 1999 2000 2001 2002 2003 2004	Total 140.0 140.0	FTE 140.0
173)	Facility.: ORNL ADS No...: P98D0052 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0085 07 Div/Dept: 021/ Manager.: POPE WW	15b 15c B: 0 A: T: 0	FENCES Boundary fences all across the ORR and Lab site need repair/replacement from years of little to no maintenance. This supplement would allow a good start on repairs in high priority areas and provide the basis for follow years to continue the activity on a routine basis.	OE 1998 90.0 1999 2000 2001 2002 2003 2004	Total 90.0 90.0	FTE 90.0
174)	Facility.: ORNL ADS No...: P98D0053 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0085 08 Div/Dept: 021/ Manager.: POPE WW	7B 7C B: 0 A: T: 0	STREET & PARKING LOT SAFETY Additional funding is necessary to maintain safety striping on the streets and to eliminate slipping hazards in two parking lots.	OE 1998 100.0 1999 50.0 2000 2001 2002 2003 2004	Total 100.0 50.0 150.0	FTE 50.0 150.0

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175)	Facility.: ORNL ADS No...: P98D0054 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Orig. ID: PMTS: X95A0086 01 10B 10C Div/Dept: 021/ 12B 12C Manager.: WHEDBEE JG 15b 15c B: 16 A: T: 16	COAT METAL ROOF ON BUILDING 7001. Coat the metal roof on Building 7001 (Stores) with elastomeric roof coating. 1998 1999 2000 2001 2002 2003 2004	OE 100.0	Total 100.0	FTE
176)	Facility.: ORNL ADS No...: P98D0055 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Orig. ID: PMTS: X95A0086 02 10B 10C Div/Dept: 021/ 12B 12C Manager.: WHEDBEE JG 15b 15c B: 16 A: T: 16	COAT METAL ROOF ON BUILD 7002. Coat the metal roof on Building 7002 with elastomeric coating. 1998 1999 2000 2001 2002 2003 2004	OE 81.0	Total 81.0	FTE
177)	Facility.: ORNL ADS No...: P98D0078 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (NS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 10B 10C Orig. ID: PMTS: X95A0100 01 10B 10C Div/Dept: 022/ Manager.: MINCEY JF B: 1 A: T: 1	NUCLEAR CRITICALITY SAFETY PROGRAM: SUPPLEMENT X95A0100-01 normally requests the funding to cover Nuclear Criticality Safety (NCS) direct support of LMER divisional objectives that are beyond the NCS oversight support requirements of ANSI/ANS-8.19 Section 6 (part of the LMER Work Smart Standards) and ANSI/ANS-8.1 Section 4.1 (oversight costs normally being covered by X95A0100-00). In FY-98, direct-support costs were anticipated to be 0.9 FTEs or \$100k. However, in FY-98 only \$420k (3.5	OE 280.0 103.0 105.0 108.0 111.0 114.0 117.0 938.0	Total 280.0 103.0 105.0 108.0 111.0 114.0 117.0 938.0	FTE 2.50 0.90 0.90 0.90 0.90 0.90 0.90 7.90
178)	Facility.: ORNL ADS No...: P98D0079 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 01 Orig. ID: PMTS: X95A0106 01 Div/Dept: 024/ Manager.: GILDNER ML B: A: T:	PERSONNEL BRIDGE FUNDING Restore some funding to 3225-0400 that has in the past been used to bridge Quality Assurance Specialists (QAS) that were not 100% charged out to ORNL divisions, programs, or projects. With the recent history of budget cut-backs, many ORNL organizations who previously funded a QAS for full time have had to reduce the level of funding they would provide for QAS services. Several QASs are now short funded by some fraction of their work	OE 90.0 90.0 180.0	Total 90.0 90.0 180.0	FTE 1.00 1.00 1.00 1.00 1.00 1.00 7.00

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179)	Facility.: ORNL ADS No...: P98D0080 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0106 02 Div/Dept: 024/ Manager.: GILDNER ML B: A: T:	REENGINEERING QUALITY ASSURANC PROCESSES Fund the participation of direct charge-out Quality Assurance Specialists in the reengineering teams revising the quality assurance processes. The revision of these implementing procedures and guidelines is the necessary follow-on activity to the ESH&Q reengineering of the ORNL quality assurance policy. 1998 1999 2000 2001 2002 2003 2004	OE 90.0 90.0 90.0 90.0 90.0 90.0	Total 90.0 90.0 90.0 90.0 90.0 90.0	FTE 1.00 1.00 1.00 1.00 1.00 1.00 1.00 7.00
180)	Facility.: ORNL ADS No...: P98D0081 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0109 01 Div/Dept: 024/ Manager.: ORLIN TF 5B 5C 10B 10C 13A 13C 15A 15C 18A 18C B: 128 A: T: 128	PRESSURE VESSEL/DIKES/STEAM DIST. Monitor the degradation of pressure vessels from corrosion as require ASME code. Also, test the steam distribution system relief valves. Inspect secondary containment dikes as required by EPA. 1998 1999 2000 2001 2002 2003 2004	OE 163.0 163.0 163.0 163.0 163.0 163.0 326.0	Total 163.0 163.0 163.0 163.0 163.0 163.0 326.0	FTE 1.70 1.70 1.70 1.70 1.70 1.70 11.90
181)	Facility.: ORNL ADS No...: P98D0083 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0109 03 Div/Dept: 024/ Manager.: ORLIN THOMAS FRASER B: A: T:	BUDGET REDUCTION MITIGATION To request budget re-instatement of \$138K to cover the shortfall due to an 11% reduction. Activities impacted are all inspection areas, including increased inspection delinquencies. 1998 1999 2000 2001 2002 2003 2004	OE 137.0 137.0 137.0 137.0 137.0 137.0 137.0 959.0	Total 137.0 137.0 137.0 137.0 137.0 137.0 137.0 959.0	FTE 1.40 1.40 1.40 1.40 1.40 1.40 1.40 9.80
182)	Facility.: ORNL ADS No...: P98D0084 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0118 01 Div/Dept: 035/ Manager.: CUNNINGHAM DR 17B 17C B: 18 A: T: 18	INSTRUMENTATION This request is to fund replacement of obsolete or worn-out instruments, performance of multiple-year maintenance to facilities, and maintaining the current level of service to OECD monitoring programs. This is a supplement to the primary instrumentation task that identifies funds and work necessary for the acquisition, use, maintenance, calibration, and management of monitoring and sampling instruments and facilities 1998 1999 2000 2001 2002 2003 2004	OE 42.0 42.0 42.0 42.0 42.0 42.0 84.0	Total 42.0 42.0 42.0 42.0 42.0 42.0 84.0	FTE 0.10 0.10 0.10 0.10 0.10 0.10 0.20

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183)	Facility.: ORNL ADS No...: P98D0085 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0129 01 Div/Dept: 035/ Manager.: DAILEY NS Cmp Stat: Progress: Prg Type: 5	10B 10C 13B 13C B: 8 A: T: 8	LAND QUALITY COMPLIANCE - SUPPLEMENT The mission of the Land Quality Protection Team is to provide policy/regulatory guidance, prepare compliance-mandated documents, and implement/revise compliance programs and verify the level of compliance with environmental regulations and/or existing permits and compliance agreements in support of ORNL's operations. This subproject covers compliance activities for the ORNL industrial waste program; the National Sewage	OE 1998 188.0 1999 188.0 2000 2001 2002 2003 2004	Total 188.0 188.0 376.0	FTE 2.00 2.00 4.00
184)	Facility.: ORNL ADS No...: P98D0086 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0135 01 Div/Dept: 035/ Manager.: VALENTINE CHARLES K Cmp Stat: Progress: Prg Type: 5	10B 10C 13B 13C 15B 15C 18B 18C B: 11 A: T: 11	WATER QUALITY COMPLIANCE The Water Quality Protection group provides guidance, technical support, evaluation, and oversight necessary to obtain, maintain, renew and/or modify ORNL's National Pollutant Discharge Elimination System permit, (cont'd on next page)	OE 1998 44.0 1999 44.0 2000 2001 2002 2003 2004	Total 44.0 44.0 88.0	FTE 0.60 0.60 1.20
185)	Facility.: ORNL ADS No...: P98D0096 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (EP) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0249 01 Div/Dept: 026/ Manager.: ABERCROMBIE JS	B: A: T:	MAINTAIN EMERGENCY DETECTION AND NOTIFICATION SYST Data Acquisition Systems - This supplement provides the necessary support to maintain equipment to operate the Laboratory Emergency Response Center. This includes data acquisition systems and on-site/off-site notification systems.	OE 1998 60.0 1999 94.0 2000 2001 2002 2003 2004	Total 60.0 94.0 154.0	FTE 0.40 0.70 1.10
186)	Facility.: ORNL ADS No...: P98D0098 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (EP) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0252 01 Div/Dept: 026/ Manager.: FOWLER BT	B: A: T:	NMC&A, UPGRADE NM INVENTORY SYSTEM This task is for transferring the ORNL Material Control and Accounting Computer System (MC&ACS), which is the laboratory inventory system for accountable nuclear materials (NM), from an obsolete system to a personal computer based system.	OE 1998 60.0 1999 2000 2001 2002 2003 2004	Total 60.0 60.0	FTE 60.0

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187) Facility.: ORNL ADS No...: P98D0099 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (EP) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0252 02 Div/Dept: 026/ Manager.: FOWLER BT B: A: T:	NUCLEAR MATERIALS CONTROL Maintain basic nuclear materials (NM) management functions and nuclear materials control and accountability (NMC&A) functions as required. 1998 1999 2000 2001 2002 2003 2004	OE 20.0 30.0 50.0	Total 20.0 30.0 50.0	FTE 0.50 0.50 1.00
188) Facility.: ORNL ADS No...: P98D0100 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X95A0253 01 Div/Dept: 026/ Manager.: ATCHLEY RL B: A: T:	FIRE PROTECTION ENGINEERING This supplement supports Fire Protection Engineering efforts to perform engineering assessments for ORNL facilities at Y-12. In 1996, Fire Protection Engineering was tasked to provide assessments, technical support, and consultation to organizations occupying those facilities. Engineering assessments are a continuous activity with established frequencies for each building. There are 34 ORNL facilities at Y-12 totalling 1.5	OE 71.0 73.0 144.0	Total 71.0 73.0 144.0	FTE 1.00 1.00 2.00
189) Facility.: ORNL ADS No...: P98D0105 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 01 Div/Dept: 021/ Manager.: PALKO CG B: A: T:	AREA 1 SUPP - 1000 ELECTRICAL Maintenance supplement for Area 1 Buildings at ORNL. Area One is primarily bound as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of electrical panels in Building 1000. These panels are between thirty and forty years of age, more than twice the OEM recommended time for replacement. Failure to fund this has resulted in severe reduction in reliability, increased	OE 50.0 50.0 100.0	Total 50.0 50.0 100.0	FTE
190) Facility.: ORNL ADS No...: P98D0106 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 02 Div/Dept: 021/ Manager.: PALKO CG B: A: T:	AREA 1 SUPP - 2000 ELECTRICAL Maintenance supplement for Area 1 buildings at ORNL. Area 1 is primarily bound as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of electrical panels in Building 2000. These panels are between thirty and forty years of age, more than twice the OEM recommended time for replacement. Failure to fund this has resulted in severe reduction in reliability, increased	OE 75.0 75.0 150.0	Total 75.0 75.0 150.0	FTE

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191)	Facility.: ORNL ADS No...: P98D0107 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 03 Div/Dept: 021/ Manager.: PALKO CG	AREA 1 SUPP - 2001 ELECTRICAL Maintenance supplement for Area 1 buildings at ORNL. Area 1 is primarily bound as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of electrical panels in Building 2001. These panels are between thirty and forty years of age, more than twice the OEM recommended time for replacement. Failure to fund this has resulted in severe reduction in reliability, increase	OE 1998 75.0 1999 75.0 2000 2001 2002 2003 2004 150.0	Total 75.0 75.0 75.0 150.0	FTE 75.0 75.0 75.0 150.0
192)	Facility.: ORNL ADS No...: P98D0108 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 04 Div/Dept: 021/ Manager.: PALKO CG	AREA 1 SUPP - REPAIR SURFACES Maintenance supplement for Area 1 buildings. Area 1 is primarily bound as north of Central Avenue and west of First Street. This project involves repair of worn and damaged surfaces, as the result of normal wear and tear. Areas are found on in and around buildings in Area 1. This work has been unfunded for a number of years, resulting in degradation of the buildings both cosmetically and structurally. Work is for normal maintenance,	OE 1998 50.0 1999 50.0 2000 2001 2002 2003 2004 100.0	Total 50.0 50.0 100.0	FTE 50.0 50.0 100.0
193)	Facility.: ORNL ADS No...: P98D0109 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 05 Div/Dept: 021/ Manager.: PALKO CG	AREA 1 SUPP -- 3025 ELECTRICAL Maintenance supplement for Area 1 buildings at ORNL. Area 1 is primarily bound as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of electrical panels in Building 3025. These panels are thirty to forty years old, more than twice the OEM recommended time for replacement. Failure to fund this has resulted in severe reduction in reliability, increased maintenance costs, and	OE 1998 50.0 1999 50.0 2000 2001 2002 2003 2004 100.0	Total 50.0 50.0 100.0	FTE 50.0 50.0 100.0
194)	Facility.: ORNL ADS No...: P98D0110 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 06 Div/Dept: 021/ Manager.: PALKO CG	AREA 1 SUPP -- 3025 ELECT DIST Maintenance supplement for Area 1 buildings at ORNL. Area 1 is primarily bound as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of the electrical distribution system in Building 3025. This system is approximately 35 years old, about twice as old as the OEM recommends replacement. Failure to fund this task has resulted in severe reduction in reliability, increased maintenance	OE 1998 150.0 1999 150.0 2000 2001 2002 2003 2004 300.0	Total 150.0 150.0 300.0	FTE 150.0 150.0 300.0

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199)	Facility.: ORNL ADS No...: P98D0115 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 11 Div/Dept: 021/ Manager.: PALKO CG	7B 7C 11A 11C 15b 15c B: 2 A: T: 2	AREA 1 SUPP - 2008 ELECTRICAL Maintenance supplement for Area 1 buildings at ORNL. Area 1 is primarily bound as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of electrical systems in Building 2008, which houses the whole body counter. These systems are thirty to forty years old, twice the age recommended by the OEM for replacement. Failure to fund this task has resulted in the equipment being	OE 1998 50.0 1999 50.0 2000 2001 2002 2003 2004	Total 50.0 50.0	FTE
200)	Facility.: ORNL ADS No...: P98D0116 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 12 Div/Dept: 021/ Manager.: PALKO CG	15b 15c B: 0 A: T: 0	AREA 1 SUPP - SHEET METAL REPAIRS Maintenance supplement for Area 1 buildings at ORNL. Area 1 is bound primarily as north of Central Avenue and west of First Street. This subproject involves repair and/or one-for-one replacement of sheet metal flashing, gutters and awnings on buildings throughout Area 1. There has been a good deal of damage to these structures over the last several years, and inadequate funding has been provided to repair all of them.	OE 1998 60.0 1999 60.0 2000 2001 2002 2003 2004	Total 60.0 60.0	FTE
201)	Facility.: ORNL ADS No...: P98D0117 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1025 13 Div/Dept: 021/ Manager.: PALKO CG	15b 15c B: 0 A: T: 0	AREA 1 SUPP - 3025 STEAM & WATER Maintenance supplement for Area 1 buildings at ORNL. Area 1 is bound primarily as north of Central Avenue and west of First Street. This subproject involves one-for-one replacement of steam and process water piping in Building 3025. this piping is over thirty years old and is very prone to breaks and stoppage. There have been several instances of failure of these systems in the last years, cuasing curtailment of research	OE 1998 80.0 1999 80.0 2000 2001 2002 2003 2004	Total 80.0 80.0	FTE
202)	Facility.: ORNL ADS No...: P98D0120 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1027 01 Div/Dept: 021/ Manager.: ROBISON CLAUDE M	B: A: T:	INSULATE DUCT AND REPLACE DAMPER 3525 Replace insulation on ductwork and supply fan radial damper in building 3525. This would greatly increase the energy efficiency of this building.	OE 1998 44.0 1999 2000 2001 2002 2003 2004	Total 44.0	FTE

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203)	Facility.: ORNL ADS No...: P98D0121 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Orig. ID: PMTS: X96V1027 02 11A 11C Div/Dept: 021/ Manager..: ROBISON CLAUDE M B: 1 A: T: 1	REPLACE FLOOR TILE IN 6003 Repair floor in the 12 offices in 6003, the floor tiles(linoeum covering contain asbestos) is coming apart and is a safety hazards. Recommend installing carpet squares over the vinyl floor covering to reduce noise level and save repair cost. 1998 1999 2000 2001 2002 2003 2004	OE 25.0	Total 25.0	FTE
204)	Facility.: ORNL ADS No...: P98D0122 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1027 03 Div/Dept: 021/ Manager..: ROBISON CLAUDE M B: A: T:	REPLACE FLOOR AND CEILING TILE 4508&4500S Replace floor and ceiling tile in 4508 and 4500S. 1998 1999 2000 2001 2002 2003 2004	OE 50.0	Total 50.0	FTE
205)	Facility.: ORNL ADS No...: P98D0123 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1027 04 Div/Dept: 021/ Manager..: ROBISON CLAUDE M B: A: T:	REPLACE LIGHTING 3500, 3508, AND 3550 Replace lighting in 3500, 3508, and 3550. 1998 1999 2000 2001 2002 2003 2004	OE 85.0	Total 85.0	FTE
206)	Facility.: ORNL ADS No...: P98D0124 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: 7B 7C Orig. ID: PMTS: X96V1027 05 Div/Dept: 021/ Manager..: ROBISON CLAUDE M B: 0 A: T: 0	INSTALL OUTSIDE LIGHTING, AND REMOVABLE PIT COVER Install outside lighting at 4501 and 4505 to illuminate dark areas for safety. Basement access pit needs removable top to prevent excessive heat loss. 1998 1999 2000 2001 2002 2003 2004	OE 103.0	Total 103.0	FTE

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207)	Facility.: ORNL ADS No...: P98D0130 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (RP) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X96V1058 00 Div/Dept: 038/ Manager.: RAO GR	11B 11C 15C 15D B: 0 A: T: 0	HISTORICAL DOSE RECONSTR. Secure professional consultation to assist in the reconstruction of historical internal doses for compliance with the lifetime dose control of N rem, as specified within DOE/EH-256T (The RadCon Manual).	OE 1998 77.0 1999 52.0 2000 2001 2002 2003 2004	Total 77.0 52.0 129.0	FTE 77.0 52.0 129.0
208)	Facility.: ORNL ADS No...: P98D0134 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0150 01 Div/Dept: 021/ Manager.: POPE WW	15C 15D 18A 18C B: 19 A: T: 19	COOLING TOWER IMPROVEMENTS A. Replace two 24" cross-tie valves between 4510 and 4511 cooling towers. - This job will enable the utilization of 4511 cooling tower as an alternate to 4510 or 4521.	OE 1998 50.0 1999 2000 2001 2002 2003 2004	Total 50.0 50.0	FTE 50.0 50.0
209)	Facility.: ORNL ADS No...: P98D0135 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0150 02 Div/Dept: 021/ Manager.: POPE WW	15C 15D 18A 18C B: 19 A: T: 19	4509 CHILLED WATER TREATMENT Perform water treatment of the chilled water system. The Central Chilled Water System has not been treated for approximately three years. Ozonation treatment was unsuccessful. Treatment will improve chiller efficiency by minimizing iron, calcium, and other deposits in heat exchangers. This improves temperature control in offices, labs, and for process equipment.	OE 1998 15.0 1999 2000 2001 2002 2003 2004	Total 15.0 15.0	FTE 15.0 15.0
210)	Facility.: ORNL ADS No...: P98D0136 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding..: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0150 03 Div/Dept: 021/ Manager.: POPE WW	15C 15D 18A 18C B: 19 A: T: 19	CHEMICAL TREATMENT STORAGE Procure and install a chemical treatment storage building. This building will provide storage that meets compliance requirements and also provide freeze protection for the chemicals.	OE 1998 15.0 1999 2000 2001 2002 2003 2004	Total 15.0 15.0	FTE 15.0 15.0

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211) Facility.: ORNL ADS No...: P98D0137 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0150 04 Div/Dept: 021/ Manager.: POPE WW 15C 15D 18A 18C B: 19 A: T: 19	DDC SUPPORT Direct Digital Control (DDC) support for micro-processor driven HVAC controls. All process components, including controllers and software interface were supplied by Honeywell during the construction phase of new buildings and control upgrades to existing facilities funded by IHEM. A service subcontract will provide maintenance of the higher tier components in Buildings 1059, 1061, 1062, 1063, 2011, 2026, 2033, 2101, 2518,	OE 1998 180.0 1999 2000 2001 2002 2003 2004 180.0	Total 180.0 180.0	FTE 180.0
212) Facility.: ORNL ADS No...: P98D0138 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0160 00 Div/Dept: 036/ Manager.: HORTON CY 11A 11B 13B 13C B: 7 A: 100 T: 107	VOLUNTARY PROTECTION PROGRAM The Department of Energy's Voluntary Protection Program (DOE-VPP) is established to promote and recognize highly effective safety and health programs. Through the DOE-VPP management, labor, and DOE establish a cooperative relationship in which: management administers a comprehensive program that exceeds mere compliance, employees actively participate in the program and work with management to ensure a safe and healthful work	OE 1998 298.0 1999 488.0 2000 2001 2002 2003 2004 786.0	Total 298.0 488.0 786.0	FTE 1.90 4.60 6.50
213) Facility.: ORNL ADS No...: P98D0139 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0163 00 Div/Dept: 036/ Manager.: PIERCE LINDA B 15b 15c B: 0 A: T: 0	HMMP MIGRATION TO ORACLE The Hazardous Material Management Program (HMMP) is requesting resources to migrate the Hazardous Material Inventory System (HMIS) from CADB software to ORACLE to ensure that Lockheed Martin Energy Research can meet EPA, OSHA, DOE, State, and Local compliance and reporting requirements pertaining to hazardous material (HM). The funding received from this proposal will be used over a one year period to fund two ITS programmers to	OE 1998 1999 170.0 2000 2001 2002 2003 2004 170.0	Total 170.0 170.0	FTE 2.00 2.00
214) Facility.: ORNL ADS No...: P98D0140 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 90 10 (99) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: X97V0164 00 Div/Dept: 021/ Manager.: POPE WW Cmp Stat: Progress: Prg Type: 5 B: A: T:	RETROFIT EMERGENCY EXIT SIGNS Retrofit emergency exit signs across the Lab, replacing incandescent lamps with LED lamp kits. 1998 1999 2000 2001 2002 2003 2004	OE 1998 180.0 1999 2000 2001 2002 2003 2004 180.0	Total 180.0 180.0	FTE 180.0

NOTES: 1. Total score is adjusted RPM score.
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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data		
215)	Facility.: ORNL ADS No...: P98D0144 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (RP) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: XAAE0001 00 Div/Dept: 038/ Manager.: AHMED AB B: A: T:	UPGRADE/REPLACE THE CURRENT NUCLEAR ACCIDENT DOSIM Identify appropriate upgrade/replacement for the current nuclear accident dosimetry system. Acquire the selected system, conduct performance tests, develop procedures, and implement the system for routine use. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
				77.0	77.0	
				52.0	52.0	
				129.0	129.0	
216)	Facility.: ORNL ADS No...: P98D0145 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MS) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: XHCS0001 00 Div/Dept: 023/ Manager.: PHILLIPS JAMES E 3B 3C 6A 6C 15A 15C B: 116 A: T: 116	PHYSIOTHERAPY PROGRAM Labor and materials to staff, furnish, and stock a physiotherapy unit that was previously approved but was put on hold because approved space became unavailable. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
				149.0	149.0	2.00
				124.0	124.0	2.00
				273.0	273.0	4.00
217)	Facility.: ORNL ADS No...: P98D0151 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: XMGF0001 00 Div/Dept: 024/ Manager.: GILDNER ML B: A: T:	LMER/ORNL TQM/QA IMPROVEMENT PROGRAM The LMER/ORNL TQM/QI program is a commitment to the sponsors and staff to improve the efficiency and effectiveness of ORNL operations and research in the future. It is one of the tools necessary to achieve the objectives of our strategic plan. The program focuses on the ways that activities are accomplished and how they can be improved. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
				51.0	51.0	0.50
				51.0	51.0	0.50
				51.0	51.0	0.50
				51.0	51.0	0.50
				51.0	51.0	0.50
				51.0	51.0	0.50
				357.0	357.0	3.50
218)	Facility.: ORNL ADS No...: P98D0152 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Ind'rct-Unfunded Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: XMGF0002 00 Div/Dept: 024/ Manager.: GILDNER ML B: A: T:	ORNL REPS ON NATIONAL GROUPS Represent ORNL interests in national committees and working groups that were formerly represented through LMES organizations. 1998 1999 2000 2001 2002 2003 2004	OE	Total	FTE
				33.0	33.0	0.30
				33.0	33.0	0.30
				33.0	33.0	0.30
				33.0	33.0	0.30
				33.0	33.0	0.30
				33.0	33.0	0.30
				33.0	33.0	0.30
				231.0	231.0	2.10

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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
219)	Facility.: ORNL ADS No...: C98D0177 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (CW) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Div/Dept: 021/ Manager..: POPE WW	15a 15C B: 1 A: T: 1	UPGRADE THE CONDENSATE RETURN SYSTEM - ERKCL02 Upgrade Condensate Return System Included in this project is the evaluation of the existing system to determine whether to repair or replace the various components of the system, purchase and installation of those components needing replacement, repair of the reparable ones, and purchase and installation of th steam-to-steam heat exchanger and chemical injection	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		200.0 300.0	200.0 300.0	
						500.0	500.0	
220)	Facility.: ORNL ADS No...: C98D0178 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager..: POPE WW	15A 15C B: 14 A: T: 14	REPLACE WEST END DE-AERATOR B 2510 - ERKCL01 Replace West End De-Aerator B 2519 This project will remove and dispose of the old de-aerator and storage tank and purchase and install the new one. Any control change or piping or electrical reloacation will also be included.	OE	GPP	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		200.0	200.0	
						200.0	200.0	
221)	Facility.: ORNL ADS No...: C98D0179 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager..: POPE WW	15A 15C B: 14 A: T: 14	REPLACE STEAM PLANT ECONOMIZERS - ERKCL01 Replace the existing Steam Plant economizers with new economizers.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		300.0 300.0	300.0 300.0	
						600.0	600.0	
222)	Facility.: ORNL ADS No...: P98D0247 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (PP) Funding..: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0300000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Orig. ID: PMTS: ERKCL15 00 Div/Dept: 027/ Manager..: MICHAUD SUSAN R Cmp Stat: Progress: Prg Type: 5	B: A: T:	POLLUTION PREVENTION IMPLEMENTATION This proposal is requesting \$229K in expense funds in FY 1999 which will provide follow-up work to assessments and investigations completed in 94-97; the establishment of additional recycling programs such as batteries; and the establishment of three between use storage areas for laboratory chemicals.	OE		Total	FTE
				1998 1999 2000 2001 2002 2003 2004	229.0 283.0	229.0 283.0		
						512.0	512.0	

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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
223)	Facility.: ORNL ADS No...: C98D0180 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (99) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL30 Div/Dept: 021/ Manager.: WHEDBEE JG	15B 15C 18A 18C B: 21 A: T: 21	UPDATE PRECIPITATOR ELECTRICAL CONTROLS - ERKCL30 Update the Precipitator Electrical Control Circuitry in the ORNL Steam Plant Stack. 1998 Update the precipitator electric control circuitry to include new automatic voltage control features. 2000 This new equipment will allow for better control of precipitator and rapper performance, improved energy efficiency and, because of better precipitator performance, lower particulate 2002 2003 2004	OE		Total	FTE
					100.0		100.0	
					100.0		100.0	
224)	Facility.: ORNL ADS No...: C98D0181 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: NATL FIRE CODES Budget #: ERKCL51 Div/Dept: 021/ Manager.: BREWER FS	7B 7C 10A 10C 13b 13c 15B 15C 18B 18C B: 37 A: T: 37	FIRE SYSTEMS UPGRADE, ORNL AT Y-12 - ERKCL51 Fire Systems Upgrade, ORNL at Y-12. 1998 Fire systems upgrade includes replacing and repairing identified fire protection issues: exit and emergency lights for egress, stairwell fire wall penetration repairs, fire doors replacement or repair, sprinkler systems installed, replacement of ceiling panels to comply with fire protection standards, etc. All facilities have 2000 2001 2002 2003 2004	OE		Total	FTE
					380.0		380.0	
					300.0		300.0	
					680.0		680.0	
225)	Facility.: ORNL ADS No...: P98D0248 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (EP) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC030205 Start/End: / Status...: OPEN (Approved)	ADS Type: Compliance Driver...: DOE O 151.1 Budget #: ERKCL01 Div/Dept: 026/ Manager.: ABERCROMBIE JS	7B 7C 10A 10C B: 20 A: T: 20	UNINTERRUPTIBLE POWER SYSTEM (UPS) FOR LERC The Uninterruptible Power System (UPS) for the Laboratory Emergency Response Center (LERC) is not operative and cannot be repaired. The purpose of this system is to provide a continuous power supply to critical systems in the LERC, including the Enhanced 911 System, Emergency PA, Data Acquisition System for Laboratory Operations, radio networks, and other dedicated equipment for off-site agency notifications of operational 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						56.0	56.0	
						56.0	56.0	
226)	Facility.: ORNL ADS No...: P98D0249 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0203050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 026/ Manager.: ATCHLEY RL	B: A: T:	REPLACE 1966 FIRE TRUCK To replace an antiquated 1966 model fire response apparatus (fire truck) which is unreliable. 1998 Replacement apparatus will provide for modern, dependable response truck for protection of life and vital DOE properties. 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
						325.0	325.0	
						325.0	325.0	

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ADS Identification and Categorization			Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
227)	Facility.: ORNL ADS No...: P98D0250 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (FP) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 026/ Manager.: ATCHLEY RL	7A 7C B: 9 A: - T: 9	REPLACE EMERGENCY RESPONSE VEHICLE This proposal is to replace the ORNL Fire Department Rescue/Emergency Response Vehicle. This will be a total replacement of the cab, chassis, and utility body.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		110.0	110.0	
						110.0	110.0	
228)	Facility.: ORNL ADS No...: P98D0251 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Direct-Unfunded Res/Pool.: YA0801 B&R Code.: KC0203050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: WHEDBEE JG	15b 15C B: A: T:	CNC 5-AXIS MILLING MACHINE A 5-axis CNC milling machine is needed to complement existing equipment in the Fabrication Department.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		550.0	550.0	
						550.0	550.0	
229)	Facility.: ORNL ADS No...: P98D0252 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (MO) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: WHEDBEE JG	15b 15c B: 0 A: T: 0	PIPE, ANGLE, CHANNEL BENDING MACHINE Replace an existing bending machine in the central mechanical shop with a new machine that meets OSHA requirements for guarding and noise levels.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		72.0	72.0	
						72.0	72.0	
230)	Facility.: ORNL ADS No...: C98D0182 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 75 25 (99) Funding...: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 020/ Manager.: MEDLEY AR	11A 11C 13B 13C 15B 15C B: 9 A: T: 9	LDRD - GENERAL PURPOSE EQUIPMENT (L01) ORNL's Laboratory Directed R&D (LDRD) Program provides financial support for innovative R&D ideas that, while within the general mission of the Laboratory, have no direct programmatic funding.	OE	CE	Total	FTE
				1998 1999 2000 2001 2002 2003 2004		260.0	260.0	
						260.0	260.0	
						260.0	260.0	
						260.0	260.0	
						260.0	260.0	
						260.0	260.0	
						1,560.0	1,560.0	

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
231)	Facility.: ORNL ADS No...: C98D0183 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (IS) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 006/ Manager.: FARRAR MB B: 0 A: T: 0	11A 11C REPLACE TRANSFORMERS, BUILDING 7901 (HFIR) This project will replace four 30 year old transformers at HFIR. There will be one 5,000 KVA transformer and three 1000 KVA transformers installed a replacement. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					325.0	325.0	
					325.0	325.0	
232)	Facility.: ORNL ADS No...: C98D0185 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0302050 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL01 Div/Dept: 021/ Manager.: POPE WW B: 26 A: T: 26	5B 5C 9B 9C 15a 15c BOOT SHOP SPRAY BOOTH AUTOMATION This project will automate the Boot Shop Spray Booth operations. 1998 1999 2000 2001 2002 2003 2004	OE	CE	Total	FTE
					120.0	120.0	
					120.0	120.0	
233)	Facility.: ORNL ADS No...: P98D0253 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Direct-Target Res/Pool.: YA0801 B&R Code.: KC0000000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Budget #: ERKCL02 Div/Dept: 018/ Manager.: ROBERTO JB B: 163 A: T: 163	13a 13c 15A 15C HFIR USERS FACILITY This project will provide urgently needed office space for a broad spectrum of HFIR users and HFIR Upgrade project personnel. HFIR users have nearly doubled in the past three years, and there is no space to accommodate this increase. In addition, the HFIR Upgrade project has been funded, and it is essential that the project team be located in close proximity to HFIR. This project will provide 21 offices to alleviate overcrowding in 7962, 1998 1999 2000 2001 2002 2003 2004	OE	GPP	Total	FTE
					265.0	265.0	
					265.0	265.0	
234)	Facility.: ORNL ADS No...: P98D0254 SO/OO/Ctr: ER/OR/ Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding..: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Orig. ID: FMTS: X95A0026 00 Div/Dept: 025/ Manager.: HALL DF Cmp Stat: Progress: Prg Type: 0 B: 189 A: T: 189	6A 6C 11A 11C 13A 13C 15A 15C SANITARY/INDUSTRIAL WASTE This subtask provides for routine collection and transportation of sanitary and industrial wastes generated by activities at ORNL. The waste is monitored to ensure it contains no radioactive/hazardous 1998 1999 2000 2001 2002 2003 2004	OE		Total	FTE
					608.0	608.0	
					608.0	608.0	
					608.0	608.0	
					608.0	608.0	
					608.0	608.0	
					608.0	608.0	
					608.0	608.0	
					4,256.0	4,256.0	

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data		
235)	Facility.: ORNL ADS No...: P98D0255 SO/OO/Ctr: ER/OR/ Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (TS) Funding...: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Orig. ID: PMTS: X95A0146 00 Div/Dept: 037/ Manager.: WALKER RM B: 778 A: T: 778	2A 2B TRANSPORTATION OPERATION 6A 6B The function is the central point for 8A 8B interpretation and application of Federal, State, 12a 12b and Local Packaging and Transportation (P&T) 15A 15B Regulations and DOE Orders. 1998 1999 2000 2001 2002 2003 2004	OE 510.0 510.0 510.0 510.0 510.0 510.0 510.0	Total 510.0 510.0 510.0 510.0 510.0 510.0 510.0	FTE 4.40 4.40 4.40 4.40 4.40 4.40 4.40
236)	Facility.: ORNL ADS No...: A98D0001 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 0 100 (WM) Funding...: Ind'rct-Target Res/Pool.: D B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: OLD POOL D Div/Dept: 036/ Manager.: PIERCE LB Cmp Stat: Progress: Prg Type: 5 B: 553 A: T: 553	3A 3B HAZARDOUS MATERIALS MANAGEMENT PROGRAM 6A 6B The money and FTEs in this ADS represent the LMER 8A 8B portion of the budget for the following tasks. 12a 12b The Hazardous Materials Management Program (HMMP) 15A 15B is a comprehensive system which ensures that 18A 18B Lockheed Martin has the capability to fully comply with the various environmental, safety and health regulatory requirements which are directly dependent upon having knowledge of hazardous	OE 476.0 476.0 476.0 476.0 476.0 476.0 476.0	Total 476.0 476.0 476.0 476.0 476.0 476.0 476.0	FTE 5.00 5.00 5.00 5.00 5.00 5.00 5.00
237)	Facility.: ORNL ADS No...: A98D0003 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 100 0 (TS) Funding...: Ind'rct-Target Res/Pool.: D B&R Code.: Start/End: / Status...: OPEN (Approved)	ADS Type: Core Driver...: Budget #: OLD POOL D Div/Dept: 082/ Manager.: RUTHERFORD JR B: 613 A: T: 613	2A 2B TRANSPORTATION AND PACKAGING SAFETY 5B 5C The money and FTEs in this ADS represent the LMER 8A 8B portion of the budget for the following tasks. 12A 12B Lockheed Marietta Energy Systems, Inc. (LMES) is 14A 14B regulated by the U. S. Department of 18A 18C Transportation. Federal Highway Administration as a private motor carrier of property and as a private motor carrier of passengers in interstate commerce; by the U. S. Department of	OE 253.0 253.0 253.0 253.0 253.0 253.0 253.0	Total 253.0 253.0 253.0 253.0 253.0 253.0 253.0	FTE 2.00 2.00 2.00 2.00 2.00 2.00 2.00
238)	Facility.: ORNL ADS No...: A98D0004 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 75 25 (99) Funding...: Ind'rct-Target Res/Pool.: OH B&R Code.: Start/End: 1998/ Status...: OPEN (Approved)	ADS Type: Compliance Driver...: CWA Div/Dept: 020/ Manager.: MEDLEY AR B: 179 A: T: 179	LOW VALUE EQUIPMENT (LVE) 6B 6C This project provides overhead funding for 8A 8C landlord/infrastructure equipment under \$425,000 13b 13c in value. Items included in the scope of this 15a 15c project include vehicles, HVAC units, forklifts, 18A 18C mowers, computer equipment, etc. 1998 1999 2000 2001 2002 2003 2004	OE 450.0 450.0 450.0 450.0 450.0 450.0 450.0	Total 450.0 450.0 450.0 450.0 450.0 450.0 450.0	FTE 450.0 450.0 450.0 450.0 450.0 450.0 450.0

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ADS Identification and Categorization		Scoring*	Title and Description	Cost (\$ 000) and FTE Data			
239)	Facility.: ORNL ADS No...: A98D0006 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0400000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Div/Dept: 021/ Manager.: IRBY GA Cmp Stat: Progress: Prg Type: 5	LABORATORY FACILITIES HVAC UPGRADE The HVAC systems that serve most of ORNL's major multiprogram research and related support facilities have been in service over thirty years and are in need of renovation, upgrade, or replacement due to age. This deteriorated condition is resulting in a growing number of repeated operational interruptions, prolonged equipment downtime, and increasing maintenance cost. Repair is often complicated by difficulty in	OE	LIP	Total	FTE
		10B 10C 13B 13C 15B 15C 18B 18C B: 11 A: T: 11	1998 1999 2000 2001 2002 2003 2004		6,500.0	6,500.0	
240)	Facility.: ORNL ADS No...: A98D0007 SO/OO/Ctr: ER/OR/LMERC Cost Cat.: 12 (ES&H) S&H/Env %: 50 50 (99) Funding..: Direct-Unfunded Res/Pool.: YA0901 B&R Code.: KG0400000 Start/End: / Status...: OPEN (Approved)	ADS Type: Improvement Driver...: Div/Dept: 021/ Manager.: POPE WW	LABORATORY FACILITIES VENTILATION SYSTEMS UPGRADES The ventilation and exhaust systems in many ORNL facilities are in serious need of repair and cleaning to continue service at any level. Systems currently in operation meet regulatory requirements, but some laboratory areas are not used for research because of a lack of proper ventilation. Postponed items of normal maintenance for operating systems have compounded into a myriad of deficiencies needing correction. Some	OE	LIP	Total	FTE
		6B 6C 11A 11B 12B 12C 15B 15C 18B 18C B: 26 A: T: 26	1998 1999 2000 2001 2002 2003 2004		5,500.0	5,500.0	

NOTES: 1. Total score is adjusted RPM score.
2. "Other" score, if any appears in 2nd identification column.
3. B = Before, A = After, T = Total (adjusted)

**ES&H/Infrastructure Management Plan Information System
10-Line ADS Report**

**All Open ADSs
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Report Grand Totals (costs in \$ 000's)

	OE	CE	GPP	LIP	\$ TOTAL	FED FTE	CONTR FTE
1998	79,854.0	6,410.0	3,640.0	7,321.0	97,225.0		612.60
1999	98,163.0	6,229.0	7,310.0	6,808.0	118,510.0		652.30
2000	93,766.0	7,368.0	16,495.0	6,949.0	124,578.0		629.40
2001	77,665.0	4,257.0	13,922.0	22,900.0	118,744.0		598.40
2002	76,753.0	3,890.0	15,195.0	9,500.0	105,338.0		598.40
2003	76,761.0	2,090.0	5,846.0	2,400.0	87,097.0		598.40
2004	74,985.0	2,880.0	5,201.0	6,600.0	89,666.0		598.40
	577,947.0	33,124.0	67,609.0	62,478.0	741,158.0		4,287.90