

## **Appendix A**

**Table A-1****Costs for Earthen Settling Basins at Beef Feedlots and Heifer Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Central	Large 1	\$1,084	\$54
Beef	Beef	Central	Large 2	\$12,155	\$608
Beef	Beef	Central	Medium 1	\$413	\$21
Beef	Beef	Central	Medium 2	\$496	\$25
Beef	Beef	Central	Medium 3	\$591	\$30
Beef	Beef	Mid-Atlantic	Large 1	\$2,947	\$147
Beef	Beef	Mid-Atlantic	Large 2	\$38,378	\$1,919
Beef	Beef	Mid-Atlantic	Medium 1	\$785	\$39
Beef	Beef	Mid-Atlantic	Medium 2	\$1,054	\$53
Beef	Beef	Mid-Atlantic	Medium 3	\$1,369	\$68
Beef	Beef	Midwest	Large 1	\$2,780	\$139
Beef	Beef	Midwest	Large 2	\$35,992	\$1,800
Beef	Beef	Midwest	Medium 1	\$751	\$38
Beef	Beef	Midwest	Medium 2	\$1,001	\$50
Beef	Beef	Midwest	Medium 3	\$1,297	\$65
Beef	Beef	Pacific	Large 1	\$2,101	\$105
Beef	Beef	Pacific	Large 2	\$26,457	\$1,323
Beef	Beef	Pacific	Medium 1	\$614	\$31
Beef	Beef	Pacific	Medium 2	\$800	\$40
Beef	Beef	Pacific	Medium 3	\$1,016	\$51
Beef	Beef	South	Large 1	\$4,471	\$224
Beef	Beef	South	Large 2	\$59,829	\$2,991
Beef	Beef	South	Medium 1	\$1,092	\$55
Beef	Beef	South	Medium 2	\$1,509	\$75
Beef	Beef	South	Medium 3	\$2,002	\$100
Heifers	Heifers	Central	Large 1	\$887	\$44
Heifers	Heifers	Central	Medium 1	\$413	\$21
Heifers	Heifers	Central	Medium 2	\$512	\$26
Heifers	Heifers	Central	Medium 3	\$618	\$31
Heifers	Heifers	Mid-Atlantic	Large 1	\$2,309	\$115
Heifers	Heifers	Mid-Atlantic	Medium 1	\$792	\$40
Heifers	Heifers	Mid-Atlantic	Medium 2	\$1,103	\$55

**Table A-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Heifers	Heifers	Mid-Atlantic	Medium 3	\$1,449	\$72
Heifers	Heifers	Midwest	Large 1	\$2,181	\$109
Heifers	Heifers	Midwest	Medium 1	\$758	\$38
Heifers	Heifers	Midwest	Medium 2	\$1,046	\$52
Heifers	Heifers	Midwest	Medium 3	\$1,373	\$69
Heifers	Heifers	Pacific	Large 1	\$1,665	\$83
Heifers	Heifers	Pacific	Medium 1	\$622	\$31
Heifers	Heifers	Pacific	Medium 2	\$834	\$42
Heifers	Heifers	Pacific	Medium 3	\$1,069	\$53
Heifers	Heifers	South	Large 1	\$3,474	\$174
Heifers	Heifers	South	Medium 1	\$1,103	\$55
Heifers	Heifers	South	Medium 2	\$1,589	\$79
Heifers	Heifers	South	Medium 3	\$2,127	\$106

**Table A-2****Costs for Concrete Separators for Dairies and Veal Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Central	Large 1	\$130,713	\$2,614
Dairy	Flush	Central	Medium 1	\$28,880	\$578
Dairy	Flush	Central	Medium 2	\$44,963	\$899
Dairy	Flush	Central	Medium 3	\$60,458	\$1,209
Dairy	Flush	Mid-Atlantic	Large 1	\$130,713	\$2,614
Dairy	Flush	Mid-Atlantic	Medium 1	\$28,880	\$578
Dairy	Flush	Mid-Atlantic	Medium 2	\$44,963	\$899
Dairy	Flush	Mid-Atlantic	Medium 3	\$60,458	\$1,209
Dairy	Flush	Midwest	Large 1	\$130,713	\$2,614
Dairy	Flush	Midwest	Medium 1	\$28,880	\$578
Dairy	Flush	Midwest	Medium 2	\$44,963	\$899
Dairy	Flush	Midwest	Medium 3	\$60,458	\$1,209
Dairy	Flush	Pacific	Large 1	\$130,713	\$2,614
Dairy	Flush	Pacific	Medium 1	\$28,880	\$578
Dairy	Flush	Pacific	Medium 2	\$44,963	\$899
Dairy	Flush	Pacific	Medium 3	\$60,458	\$1,209
Dairy	Flush	South	Large 1	\$130,713	\$2,614
Dairy	Flush	South	Medium 1	\$28,880	\$578
Dairy	Flush	South	Medium 2	\$44,963	\$899
Dairy	Flush	South	Medium 3	\$60,458	\$1,209
Dairy	Hose	Central	Large 1	\$5,582	\$112
Dairy	Hose	Central	Medium 1	\$3,605	\$72
Dairy	Hose	Central	Medium 2	\$4,115	\$82
Dairy	Hose	Central	Medium 3	\$4,601	\$92
Dairy	Hose	Mid-Atlantic	Large 1	\$5,582	\$112
Dairy	Hose	Mid-Atlantic	Medium 1	\$3,605	\$72
Dairy	Hose	Mid-Atlantic	Medium 2	\$4,115	\$82
Dairy	Hose	Mid-Atlantic	Medium 3	\$4,601	\$92
Dairy	Hose	Midwest	Large 1	\$5,582	\$112
Dairy	Hose	Midwest	Medium 1	\$3,605	\$72
Dairy	Hose	Midwest	Medium 2	\$4,115	\$82
Dairy	Hose	Midwest	Medium 3	\$4,601	\$92

**Table A-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	Pacific	Large 1	\$5,582	\$112
Dairy	Hose	Pacific	Medium 1	\$3,605	\$72
Dairy	Hose	Pacific	Medium 2	\$4,115	\$82
Dairy	Hose	Pacific	Medium 3	\$4,601	\$92
Dairy	Hose	South	Large 1	\$5,582	\$112
Dairy	Hose	South	Medium 1	\$3,605	\$72
Dairy	Hose	South	Medium 2	\$4,115	\$82
Dairy	Hose	South	Medium 3	\$4,601	\$92
Veal	Flush	Central	Medium 1	\$42,711	\$854
Veal	Flush	Central	Medium 2	\$55,192	\$1,104
Veal	Flush	Central	Medium 3	\$101,511	\$2,030
Veal	Flush	Mid-Atlantic	Medium 1	\$42,711	\$854
Veal	Flush	Mid-Atlantic	Medium 2	\$55,192	\$1,104
Veal	Flush	Mid-Atlantic	Medium 3	\$101,511	\$2,030
Veal	Flush	Midwest	Medium 1	\$42,711	\$854
Veal	Flush	Midwest	Medium 2	\$55,192	\$1,104
Veal	Flush	Midwest	Medium 3	\$101,511	\$2,030
Veal	Flush	Pacific	Medium 1	\$42,711	\$854
Veal	Flush	Pacific	Medium 2	\$55,192	\$1,104
Veal	Flush	Pacific	Medium 3	\$101,511	\$2,030
Veal	Flush	South	Medium 1	\$42,711	\$854
Veal	Flush	South	Medium 2	\$55,192	\$1,104
Veal	Flush	South	Medium 3	\$101,511	\$2,030

**Table A-3a****Costs for Berms at Dairies, Beef Feedlots, Heifer and Veal Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Central	Large 1	\$5,187	\$104
Beef	Beef	Central	Large 2	\$19,466	\$389
Beef	Beef	Central	Medium 1	\$2,327	\$47
Beef	Beef	Central	Medium 2	\$2,842	\$57
Beef	Beef	Central	Medium 3	\$3,348	\$67
Beef	Beef	Mid-Atlantic	Large 1	\$5,187	\$104
Beef	Beef	Mid-Atlantic	Large 2	\$19,466	\$389
Beef	Beef	Mid-Atlantic	Medium 1	\$2,327	\$47
Beef	Beef	Mid-Atlantic	Medium 2	\$2,842	\$57
Beef	Beef	Mid-Atlantic	Medium 3	\$3,348	\$67
Beef	Beef	Midwest	Large 1	\$5,187	\$104
Beef	Beef	Midwest	Large 2	\$19,466	\$389
Beef	Beef	Midwest	Medium 1	\$2,327	\$47
Beef	Beef	Midwest	Medium 2	\$2,842	\$57
Beef	Beef	Midwest	Medium 3	\$3,348	\$67
Beef	Beef	Pacific	Large 1	\$5,187	\$104
Beef	Beef	Pacific	Large 2	\$19,466	\$389
Beef	Beef	Pacific	Medium 1	\$2,327	\$47
Beef	Beef	Pacific	Medium 2	\$2,842	\$57
Beef	Beef	Pacific	Medium 3	\$3,348	\$67
Beef	Beef	South	Large 1	\$5,187	\$104
Beef	Beef	South	Large 2	\$19,466	\$389
Beef	Beef	South	Medium 1	\$2,327	\$47
Beef	Beef	South	Medium 2	\$2,842	\$57
Beef	Beef	South	Medium 3	\$3,348	\$67
Dairy	Flush	Central	Large 1	\$3,069	\$61
Dairy	Flush	Central	Medium 1	\$1,283	\$26
Dairy	Flush	Central	Medium 2	\$1,673	\$33
Dairy	Flush	Central	Medium 3	\$1,988	\$40
Dairy	Flush	Mid-Atlantic	Large 1	\$3,069	\$61
Dairy	Flush	Mid-Atlantic	Medium 1	\$1,283	\$26
Dairy	Flush	Mid-Atlantic	Medium 2	\$1,673	\$33

**Table A-3a (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Mid-Atlantic	Medium 3	\$1,988	\$40
Dairy	Flush	Midwest	Large 1	\$3,069	\$61
Dairy	Flush	Midwest	Medium 1	\$1,283	\$26
Dairy	Flush	Midwest	Medium 2	\$1,673	\$33
Dairy	Flush	Midwest	Medium 3	\$1,988	\$40
Dairy	Flush	Pacific	Large 1	\$3,069	\$61
Dairy	Flush	Pacific	Medium 1	\$1,283	\$26
Dairy	Flush	Pacific	Medium 2	\$1,673	\$33
Dairy	Flush	Pacific	Medium 3	\$1,988	\$40
Dairy	Flush	South	Large 1	\$3,069	\$61
Dairy	Flush	South	Medium 1	\$1,283	\$26
Dairy	Flush	South	Medium 2	\$1,673	\$33
Dairy	Flush	South	Medium 3	\$1,988	\$40
Dairy	Hose	Central	Large 1	\$3,069	\$61
Dairy	Hose	Central	Medium 1	\$1,283	\$26
Dairy	Hose	Central	Medium 2	\$1,673	\$33
Dairy	Hose	Central	Medium 3	\$1,988	\$40
Dairy	Hose	Mid-Atlantic	Large 1	\$3,069	\$61
Dairy	Hose	Mid-Atlantic	Medium 1	\$1,283	\$26
Dairy	Hose	Mid-Atlantic	Medium 2	\$1,673	\$33
Dairy	Hose	Mid-Atlantic	Medium 3	\$1,988	\$40
Dairy	Hose	Midwest	Large 1	\$3,069	\$61
Dairy	Hose	Midwest	Medium 1	\$1,283	\$26
Dairy	Hose	Midwest	Medium 2	\$1,673	\$33
Dairy	Hose	Midwest	Medium 3	\$1,988	\$40
Dairy	Hose	Pacific	Large 1	\$3,069	\$61
Dairy	Hose	Pacific	Medium 1	\$1,283	\$26
Dairy	Hose	Pacific	Medium 2	\$1,673	\$33
Dairy	Hose	Pacific	Medium 3	\$1,988	\$40
Dairy	Hose	South	Large 1	\$3,069	\$61
Dairy	Hose	South	Medium 1	\$1,283	\$26
Dairy	Hose	South	Medium 2	\$1,673	\$33
Dairy	Hose	South	Medium 3	\$1,988	\$40
Heifers	Heifers	Central	Large 1	\$4,536	\$91

**Table A-3a (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Heifers	Heifers	Central	Medium 1	\$2,342	\$47
Heifers	Heifers	Central	Medium 2	\$2,928	\$59
Heifers	Heifers	Central	Medium 3	\$3,465	\$69
Heifers	Heifers	Mid-Atlantic	Large 1	\$4,536	\$91
Heifers	Heifers	Mid-Atlantic	Medium 1	\$2,342	\$47
Heifers	Heifers	Mid-Atlantic	Medium 2	\$2,928	\$59
Heifers	Heifers	Mid-Atlantic	Medium 3	\$3,465	\$69
Heifers	Heifers	Midwest	Large 1	\$4,536	\$91
Heifers	Heifers	Midwest	Medium 1	\$2,342	\$47
Heifers	Heifers	Midwest	Medium 2	\$2,928	\$59
Heifers	Heifers	Midwest	Medium 3	\$3,465	\$69
Heifers	Heifers	Pacific	Large 1	\$4,536	\$91
Heifers	Heifers	Pacific	Medium 1	\$2,342	\$47
Heifers	Heifers	Pacific	Medium 2	\$2,928	\$59
Heifers	Heifers	Pacific	Medium 3	\$3,465	\$69
Heifers	Heifers	South	Large 1	\$4,536	\$91
Heifers	Heifers	South	Medium 1	\$2,342	\$47
Heifers	Heifers	South	Medium 2	\$2,928	\$59
Heifers	Heifers	South	Medium 3	\$3,465	\$69

**Table A-3b**

**Costs for Berms for Poultry and Swine Operations Under Option 1**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$505	\$10	\$526	\$11	\$569	\$11
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$871	\$17	\$1,007	\$20	\$1,136	\$23
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$296	\$6	\$296	\$6	\$295	\$6
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$336	\$7	\$341	\$7	\$336	\$7
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$409	\$8	\$418	\$8	\$410	\$8
Chicken	Broiler	South	Solid	Large 1	\$505	\$10	\$529	\$11	\$522	\$10
Chicken	Broiler	South	Solid	Large 2	\$815	\$16	\$969	\$19	\$998	\$20
Chicken	Broiler	South	Solid	Medium 1	\$294	\$6	\$295	\$6	\$295	\$6
Chicken	Broiler	South	Solid	Medium 2	\$333	\$7	\$340	\$7	\$339	\$7
Chicken	Broiler	South	Solid	Medium 3	\$405	\$8	\$416	\$8	\$415	\$8
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Dry	South	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	South	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	South	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	South	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	South	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Wet	South	Liquid	Large 1	\$531	\$11	\$475	\$10	\$554	\$11

**Table A-3b (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Layer: Wet	South	Liquid	Medium 3	\$531	\$11	\$475	\$10	\$554	\$11
Swine	Farrow to Finish	Central	Evapor	Large 1	\$850	\$17	\$1,014	\$20	\$1,164	\$23
Swine	Farrow to Finish	Central	Evapor	Large 2	\$1,320	\$26	\$1,687	\$34	\$2,927	\$59
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 1	\$816	\$16	\$863	\$17	\$1,008	\$20
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 2	\$1,290	\$26	\$1,381	\$28	\$1,722	\$34
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 1	\$535	\$11	\$488	\$10	\$554	\$11
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 2	\$628	\$13	\$566	\$11	\$646	\$13
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 3	\$713	\$14	\$640	\$13	\$735	\$15
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Large 1	\$796	\$16	\$770	\$15	\$1,021	\$20
Swine	Farrow to Finish	Midwest	Liquid	Large 2	\$1,142	\$23	\$1,308	\$26	\$1,826	\$37
Swine	Farrow to Finish	Midwest	Liquid	Medium 1	\$531	\$11	\$475	\$10	\$554	\$11
Swine	Farrow to Finish	Midwest	Liquid	Medium 2	\$622	\$12	\$554	\$11	\$654	\$13
Swine	Farrow to Finish	Midwest	Liquid	Medium 3	\$713	\$14	\$626	\$13	\$744	\$15
Swine	Farrow to Finish	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Central	Evapor	Large 1	\$850	\$17	\$1,014	\$20	\$1,164	\$23
Swine	Grow Finish	Central	Evapor	Large 2	\$1,320	\$26	\$1,687	\$34	\$2,927	\$59

**Table A-3b (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 1	\$816	\$16	\$863	\$17	\$1,008	\$20
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 2	\$1,290	\$26	\$1,381	\$28	\$1,722	\$34
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 1	\$535	\$11	\$488	\$10	\$554	\$11
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 2	\$628	\$13	\$566	\$11	\$646	\$13
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 3	\$713	\$14	\$640	\$13	\$735	\$15
Swine	Grow Finish	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 1	\$796	\$16	\$770	\$15	\$1,021	\$20
Swine	Grow Finish	Midwest	Liquid	Large 2	\$1,142	\$23	\$1,308	\$26	\$1,826	\$37
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$531	\$11	\$475	\$10	\$554	\$11
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$622	\$12	\$554	\$11	\$654	\$13
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$713	\$14	\$626	\$13	\$744	\$15
Swine	Grow Finish	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8
Turkey	Slaughter	Midwest	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14

**Table A-3b (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Turkey	Slaughter	Midwest	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Midwest	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	Slaughter	Midwest	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8

**Table A-3c**

**Costs for Berms for Poultry and Swine Operations Under Option 2, P-based Scenario**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$505	\$10	\$524	\$10	\$565	\$11
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$736	\$15	\$999	\$20	\$1,144	\$23
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$295	\$6	\$296	\$6	\$295	\$6
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$335	\$7	\$341	\$7	\$336	\$7
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$408	\$8	\$417	\$8	\$410	\$8
Chicken	Broiler	South	Solid	Large 1	\$505	\$10	\$531	\$11	\$526	\$11
Chicken	Broiler	South	Solid	Large 2	\$736	\$15	\$974	\$19	\$1,028	\$21
Chicken	Broiler	South	Solid	Medium 1	\$293	\$6	\$295	\$6	\$295	\$6
Chicken	Broiler	South	Solid	Medium 2	\$331	\$7	\$340	\$7	\$340	\$7
Chicken	Broiler	South	Solid	Medium 3	\$402	\$8	\$416	\$8	\$416	\$8
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Dry	South	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	South	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	South	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	South	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	South	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Wet	South	Liquid	Large 1	\$529	\$11	\$471	\$9	\$554	\$11

**Table A-3c (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Layer: Wet	South	Liquid	Medium 3	\$529	\$11	\$471	\$9	\$554	\$11
Swine	Farrow to	Central	Evapor	Large 1	\$850	\$17	\$964	\$19	\$1,164	\$23
Swine	Farrow to	Central	Evapor	Large 2	\$1,270	\$25	\$1,600	\$32	\$2,925	\$59
Swine	Farrow to	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Large 1	\$795	\$16	\$828	\$17	\$1,008	\$20
Swine	Farrow to	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Large 2	\$1,180	\$24	\$1,320	\$26	\$1,722	\$34
Swine	Farrow to	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Medium 1	\$534	\$11	\$477	\$10	\$554	\$11
Swine	Farrow to	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Medium 2	\$624	\$12	\$558	\$11	\$646	\$13
Swine	Farrow to	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Medium 3	\$711	\$14	\$631	\$13	\$735	\$15
Swine	Farrow to	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Large 1	\$795	\$16	\$716	\$14	\$1,011	\$20
Swine	Farrow to	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Large 2	\$1,070	\$21	\$1,158	\$23	\$1,809	\$36
Swine	Farrow to	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Medium 1	\$529	\$11	\$471	\$9	\$554	\$11
Swine	Farrow to	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Medium 2	\$618	\$12	\$547	\$11	\$654	\$13
Swine	Farrow to	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Medium 3	\$711	\$14	\$618	\$12	\$744	\$15
Swine	Grow Finish	Central	Evapor	Large 1	\$850	\$17	\$964	\$19	\$1,164	\$23

**Table A-3c (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	Grow Finish	Central	Evapor	Large 2	\$1,270	\$25	\$1,600	\$32	\$2,925	\$59
Swine	Grow Finish	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 1	\$795	\$16	\$828	\$17	\$1,008	\$20
Swine	Grow Finish	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 2	\$1,180	\$24	\$1,320	\$26	\$1,722	\$34
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 1	\$534	\$11	\$477	\$10	\$554	\$11
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 2	\$624	\$12	\$558	\$11	\$646	\$13
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 3	\$711	\$14	\$631	\$13	\$735	\$15
Swine	Grow Finish	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 1	\$795	\$16	\$716	\$14	\$1,011	\$20
Swine	Grow Finish	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 2	\$1,070	\$21	\$1,158	\$23	\$1,809	\$36
Swine	Grow Finish	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$529	\$11	\$471	\$9	\$554	\$11
Swine	Grow Finish	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$618	\$12	\$547	\$11	\$654	\$13
Swine	Grow Finish	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$711	\$14	\$618	\$12	\$744	\$15
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7

**Table A-3c (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8
Turkey	Slaughter	Midwest	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	Slaughter	Midwest	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Midwest	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	Slaughter	Midwest	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8

**Table A-3d**

**Costs for Berms for Poultry and Swine Operations Under Option 2, N-based Scenario**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$505	\$10	\$526	\$11	\$569	\$11
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$871	\$17	\$1,007	\$20	\$1,136	\$23
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$296	\$6	\$296	\$6	\$295	\$6
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$336	\$7	\$341	\$7	\$336	\$7
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$409	\$8	\$418	\$8	\$410	\$8
Chicken	Broiler	South	Solid	Large 1	\$505	\$10	\$529	\$11	\$520	\$10
Chicken	Broiler	South	Solid	Large 2	\$815	\$16	\$962	\$19	\$976	\$20
Chicken	Broiler	South	Solid	Medium 1	\$294	\$6	\$295	\$6	\$295	\$6
Chicken	Broiler	South	Solid	Medium 2	\$333	\$7	\$340	\$7	\$339	\$7
Chicken	Broiler	South	Solid	Medium 3	\$405	\$8	\$416	\$8	\$415	\$8
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Dry	South	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	South	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	South	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	South	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	South	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Wet	South	Liquid	Large 1	\$531	\$11	\$475	\$10	\$554	\$11
Chicken	Layer: Wet	South	Liquid	Medium 3	\$531	\$11	\$475	\$10	\$554	\$11

**Table A-3d (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	Farrow to Finish	Central	Evapor	Large 1	\$850	\$17	\$1,014	\$20	\$1,164	\$23
Swine	Farrow to Finish	Central	Evapor	Large 2	\$1,319	\$26	\$1,687	\$34	\$2,928	\$59
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 1	\$816	\$16	\$863	\$17	\$1,008	\$20
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 2	\$1,290	\$26	\$1,381	\$28	\$1,722	\$34
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 1	\$535	\$11	\$489	\$10	\$554	\$11
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 2	\$628	\$13	\$566	\$11	\$647	\$13
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 3	\$713	\$14	\$640	\$13	\$735	\$15
Swine	Farrow to Finish	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Large 1	\$796	\$16	\$770	\$15	\$1,021	\$20
Swine	Farrow to Finish	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Large 2	\$1,142	\$23	\$1,308	\$26	\$1,826	\$37
Swine	Farrow to Finish	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Medium 1	\$531	\$11	\$475	\$10	\$554	\$11
Swine	Farrow to Finish	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Medium 2	\$622	\$12	\$554	\$11	\$654	\$13
Swine	Farrow to Finish	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Medium 3	\$713	\$14	\$626	\$13	\$744	\$15
Swine	Grow Finish	Central	Evapor	Large 1	\$850	\$17	\$1,014	\$20	\$1,164	\$23
Swine	Grow Finish	Central	Evapor	Large 2	\$1,319	\$26	\$1,687	\$34	\$2,928	\$59
Swine	Grow Finish	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0

**Table A-3d (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 1	\$816	\$16	\$863	\$17	\$1,008	\$20
Swine	Grow Finish	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 2	\$1,290	\$26	\$1,381	\$28	\$1,722	\$34
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 1	\$535	\$11	\$489	\$10	\$554	\$11
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 2	\$628	\$13	\$566	\$11	\$647	\$13
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 3	\$713	\$14	\$640	\$13	\$735	\$15
Swine	Grow Finish	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 1	\$796	\$16	\$770	\$15	\$1,021	\$20
Swine	Grow Finish	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 2	\$1,142	\$23	\$1,308	\$26	\$1,826	\$37
Swine	Grow Finish	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$531	\$11	\$475	\$10	\$554	\$11
Swine	Grow Finish	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$622	\$12	\$554	\$11	\$654	\$13
Swine	Grow Finish	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$713	\$14	\$626	\$13	\$744	\$15
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8
Turkey	Slaughter	Midwest	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	Slaughter	Midwest	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6

**Table A-3d (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Turkey	Slaughter	Midwest	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	Slaughter	Midwest	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8

**Table A-3e**

**Costs for Berms for Poultry and Swine Operations Under Option 5, P-based Scenario**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2		Cat 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$505	\$10	\$524	\$10	\$565	\$11
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$736	\$15	\$999	\$20	\$1,144	\$23
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$295	\$6	\$296	\$6	\$295	\$6
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$335	\$7	\$341	\$7	\$336	\$7
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$408	\$8	\$417	\$8	\$410	\$8
Chicken	Broiler	South	Solid	Large 1	\$505	\$10	\$531	\$11	\$526	\$11
Chicken	Broiler	South	Solid	Large 2	\$736	\$15	\$974	\$19	\$1,028	\$21
Chicken	Broiler	South	Solid	Medium 1	\$293	\$6	\$295	\$6	\$295	\$6
Chicken	Broiler	South	Solid	Medium 2	\$331	\$7	\$340	\$7	\$340	\$7
Chicken	Broiler	South	Solid	Medium 3	\$402	\$8	\$416	\$8	\$416	\$8
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Dry	South	Solid	Large 1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	Layer: Dry	South	Solid	Large 2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	Layer: Dry	South	Solid	Medium 1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	Layer: Dry	South	Solid	Medium 2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	Layer: Dry	South	Solid	Medium 3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	Layer: Wet	South	Liquid	Large 1	\$138	\$3	\$138	\$3	\$138	\$3

**Table A-3e (Continued)**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2		Cat 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Layer: Wet	South	Liquid	Medium 3	\$484	\$10	\$426	\$9	\$508	\$10
Swine	Farrow to	Central	Evapor	Large 1	\$12,168	\$243	\$16,127	\$323	\$24,472	\$489
Swine	Farrow to	Central	Evapor	Large 2	\$29,594	\$592	\$48,624	\$972	\$172,337	\$3,447
Swine	Farrow to	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Large 1	\$749	\$15	\$781	\$16	\$961	\$19
Swine	Farrow to	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Large 2	\$1,133	\$23	\$1,272	\$25	\$1,674	\$33
Swine	Farrow to	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Medium 1	\$488	\$10	\$432	\$9	\$508	\$10
Swine	Farrow to	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Medium 2	\$578	\$12	\$512	\$10	\$600	\$12
Swine	Farrow to	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Mid-Atlantic	Liquid	Medium 3	\$665	\$13	\$585	\$12	\$688	\$14
Swine	Farrow to	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Large 1	\$749	\$15	\$669	\$13	\$964	\$19
Swine	Farrow to	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Large 2	\$1,023	\$20	\$1,110	\$22	\$1,761	\$35
Swine	Farrow to	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Medium 1	\$484	\$10	\$426	\$9	\$508	\$10
Swine	Farrow to	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Medium 2	\$572	\$11	\$501	\$10	\$608	\$12
Swine	Farrow to	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Farrow to	Midwest	Liquid	Medium 3	\$664	\$13	\$572	\$11	\$697	\$14
Swine	Grow Finish	Central	Evapor	Large 1	\$12,168	\$243	\$16,127	\$323	\$24,472	\$489

**Table A-3e (Continued)**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2		Cat 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	Grow Finish	Central	Evapor	Large 2	\$29,594	\$592	\$48,624	\$972	\$172,337	\$3,447
Swine	Grow Finish	Mid-Atlantic	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 1	\$749	\$15	\$781	\$16	\$961	\$19
Swine	Grow Finish	Mid-Atlantic	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 2	\$1,133	\$23	\$1,272	\$25	\$1,674	\$33
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 1	\$488	\$10	\$432	\$9	\$508	\$10
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 2	\$578	\$12	\$512	\$10	\$600	\$12
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 3	\$665	\$13	\$585	\$12	\$688	\$14
Swine	Grow Finish	Midwest	Pit	Large 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 1	\$749	\$15	\$669	\$13	\$964	\$19
Swine	Grow Finish	Midwest	Pit	Large 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 2	\$1,023	\$20	\$1,110	\$22	\$1,761	\$35
Swine	Grow Finish	Midwest	Pit	Medium 1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$484	\$10	\$426	\$9	\$508	\$10
Swine	Grow Finish	Midwest	Pit	Medium 2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$572	\$11	\$501	\$10	\$608	\$12
Swine	Grow Finish	Midwest	Pit	Medium 3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$664	\$13	\$572	\$11	\$697	\$14
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7

**Table A-3e (Continued)**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2		Cat 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8
Turkey	Slaughter	Midwest	Solid	Large 1	\$744	\$15	\$704	\$14	\$704	\$14
Turkey	Slaughter	Midwest	Solid	Medium 1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	Slaughter	Midwest	Solid	Medium 2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	Slaughter	Midwest	Solid	Medium 3	\$387	\$8	\$387	\$8	\$387	\$8

**Table A-3f**

**Costs for Berms for Poultry and Swine Operations Under Option 5, N-based Scenario**

Animal	Operation Type	Region	Manure type	Size	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	BR	SO	Solid	Large2	\$815	\$16	\$962	\$19	\$976	\$20
Chicken	BR	SO	Solid	Large1	\$505	\$10	\$529	\$11	\$520	\$10
Chicken	BR	SO	Solid	Medium3	\$405	\$8	\$416	\$8	\$415	\$8
Chicken	BR	SO	Solid	Medium2	\$333	\$7	\$340	\$7	\$339	\$7
Chicken	BR	SO	Solid	Medium1	\$294	\$6	\$295	\$6	\$295	\$6
Chicken	BR	MA	Solid	Large2	\$871	\$17	\$1,007	\$20	\$1,136	\$23
Chicken	BR	MA	Solid	Large1	\$505	\$10	\$526	\$11	\$569	\$11
Chicken	BR	MA	Solid	Medium3	\$409	\$8	\$418	\$8	\$410	\$8
Chicken	BR	MA	Solid	Medium2	\$336	\$7	\$341	\$7	\$336	\$7
Chicken	BR	MA	Solid	Medium1	\$296	\$6	\$296	\$6	\$295	\$6
Swine	FF	CE	Evapor	Large2	\$31,735	\$635	\$54,383	\$1,088	\$172,730	\$3,455
Swine	FF	CE	Evapor	Large1	\$11,921	\$238	\$18,045	\$361	\$24,472	\$489
Swine	FF	MA	Pit	Large2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MA	Pit	Large1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MA	Pit	Medium3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MA	Pit	Medium2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MA	Pit	Medium1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MA	Liquid	Large2	\$1,290	\$26	\$1,334	\$27	\$1,674	\$33
Swine	FF	MA	Liquid	Large1	\$816	\$16	\$816	\$16	\$961	\$19
Swine	FF	MA	Liquid	Medium3	\$713	\$14	\$594	\$12	\$689	\$14
Swine	FF	MA	Liquid	Medium2	\$628	\$13	\$520	\$10	\$601	\$12

**Table A-3f (Continued)**

Animal	Operation Type	Region	Manure type	Size	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	FF	MA	Liquid	Medium1	\$535	\$11	\$444	\$9	\$508	\$10
Swine	FF	MW	Pit	Large2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MW	Pit	Large1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MW	Pit	Medium3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MW	Pit	Medium2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MW	Pit	Medium1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	FF	MW	Liquid	Large2	\$1,142	\$23	\$1,261	\$25	\$1,778	\$36
Swine	FF	MW	Liquid	Large1	\$796	\$16	\$723	\$14	\$974	\$19
Swine	FF	MW	Liquid	Medium3	\$713	\$14	\$580	\$12	\$697	\$14
Swine	FF	MW	Liquid	Medium2	\$622	\$12	\$508	\$10	\$608	\$12
Swine	FF	MW	Liquid	Medium1	\$531	\$11	\$430	\$9	\$508	\$10
Swine	GF	CE	Evapor	Large2	\$31,735	\$635	\$54,383	\$1,088	\$172,730	\$3,455
Swine	GF	CE	Evapor	Large1	\$11,921	\$238	\$18,045	\$361	\$24,472	\$489
Swine	GF	MA	Pit	Large2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MA	Pit	Large1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MA	Pit	Medium3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MA	Pit	Medium2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MA	Pit	Medium1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MA	Liquid	Large2	\$1,290	\$26	\$1,334	\$27	\$1,674	\$33
Swine	GF	MA	Liquid	Large1	\$816	\$16	\$816	\$16	\$961	\$19
Swine	GF	MA	Liquid	Medium3	\$713	\$14	\$594	\$12	\$689	\$14
Swine	GF	MA	Liquid	Medium2	\$628	\$13	\$520	\$10	\$601	\$12
Swine	GF	MA	Liquid	Medium1	\$535	\$11	\$444	\$9	\$508	\$10
Swine	GF	MW	Pit	Large2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MW	Pit	Large1	\$0	\$0	\$0	\$0	\$0	\$0

**Table A-3f (Continued)**

Animal	Operation Type	Region	Manure type	Size	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	GF	MW	Pit	Medium3	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MW	Pit	Medium2	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MW	Pit	Medium1	\$0	\$0	\$0	\$0	\$0	\$0
Swine	GF	MW	Liquid	Large2	\$1,142	\$23	\$1,261	\$25	\$1,778	\$36
Swine	GF	MW	Liquid	Large1	\$796	\$16	\$723	\$14	\$974	\$19
Swine	GF	MW	Liquid	Medium3	\$713	\$14	\$580	\$12	\$697	\$14
Swine	GF	MW	Liquid	Medium2	\$622	\$12	\$508	\$10	\$608	\$12
Swine	GF	MW	Liquid	Medium1	\$531	\$11	\$430	\$9	\$508	\$10
Chicken	LA	MW	Solid	Medium1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	LA	MW	Solid	Medium2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	LA	MW	Solid	Medium3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	LA	MW	Solid	Large1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	LA	MW	Solid	Large2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	LA	SO	Solid	Medium1	\$268	\$5	\$268	\$5	\$268	\$5
Chicken	LA	SO	Solid	Medium2	\$319	\$6	\$319	\$6	\$319	\$6
Chicken	LA	SO	Solid	Medium3	\$351	\$7	\$351	\$7	\$351	\$7
Chicken	LA	SO	Solid	Large1	\$766	\$15	\$766	\$15	\$766	\$15
Chicken	LA	SO	Solid	Large2	\$1,867	\$37	\$1,867	\$37	\$1,867	\$37
Chicken	LW	SO	Liquid	Medium3	\$531	\$11	\$430	\$9	\$508	\$10
Chicken	LW	SO	Liquid	Large1	\$138	\$3	\$138	\$3	\$138	\$3
Turkey	SL	MA	Solid	Medium1	\$287	\$6	\$287	\$6	\$287	\$6
Turkey	SL	MA	Solid	Medium2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	SL	MA	Solid	Medium3	\$387	\$8	\$387	\$8	\$387	\$8
Turkey	SL	MA	Solid	Large1	\$704	\$14	\$704	\$14	\$704	\$14
Turkey	SL	MW	Solid	Medium1	\$287	\$6	\$287	\$6	\$287	\$6

**Table A-3f (Continued)**

Animal	Operation Type	Region	Manure type	Size	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Turkey	SL	MW	Solid	Medium2	\$336	\$7	\$336	\$7	\$336	\$7
Turkey	SL	MW	Solid	Medium3	\$387	\$8	\$387	\$8	\$387	\$8
Turkey	SL	MW	Solid	Large1	\$704	\$14	\$704	\$14	\$704	\$14

**Table A-4****Costs for Naturally-Lined Lagoons at Dairies**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Central	Large 1	\$201,552	\$10,078
Dairy	Flush	Central	Medium 1	\$58,733	\$2,937
Dairy	Flush	Central	Medium 2	\$83,141	\$4,157
Dairy	Flush	Central	Medium 3	\$106,812	\$5,341
Dairy	Flush	Mid-Atlantic	Large 1	\$245,356	\$12,268
Dairy	Flush	Mid-Atlantic	Medium 1	\$70,374	\$3,519
Dairy	Flush	Mid-Atlantic	Medium 2	\$100,290	\$5,014
Dairy	Flush	Mid-Atlantic	Medium 3	\$128,551	\$6,428
Dairy	Flush	Midwest	Large 1	\$233,917	\$11,696
Dairy	Flush	Midwest	Medium 1	\$66,044	\$3,302
Dairy	Flush	Midwest	Medium 2	\$93,768	\$4,688
Dairy	Flush	Midwest	Medium 3	\$121,258	\$6,063
Dairy	Flush	Pacific	Large 1	\$250,951	\$12,548
Dairy	Flush	Pacific	Medium 1	\$73,971	\$3,699
Dairy	Flush	Pacific	Medium 2	\$104,068	\$5,203
Dairy	Flush	Pacific	Medium 3	\$134,457	\$6,723
Dairy	Flush	South	Large 1	\$230,254	\$11,513
Dairy	Flush	South	Medium 1	\$69,686	\$3,484
Dairy	Flush	South	Medium 2	\$97,894	\$4,895
Dairy	Flush	South	Medium 3	\$124,116	\$6,206
Dairy	Hose	Central	Large 1	\$96,193	\$4,810
Dairy	Hose	Central	Medium 1	\$27,447	\$1,372

**Table A-4 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	Central	Medium 2	\$38,063	\$1,903
Dairy	Hose	Central	Medium 3	\$48,425	\$2,421
Dairy	Hose	Mid-Atlantic	Large 1	\$134,871	\$6,744
Dairy	Hose	Mid-Atlantic	Medium 1	\$37,132	\$1,857
Dairy	Hose	Mid-Atlantic	Medium 2	\$52,514	\$2,626
Dairy	Hose	Mid-Atlantic	Medium 3	\$66,975	\$3,349
Dairy	Hose	Midwest	Large 1	\$127,879	\$6,394
Dairy	Hose	Midwest	Medium 1	\$33,793	\$1,690
Dairy	Hose	Midwest	Medium 2	\$48,266	\$2,413
Dairy	Hose	Midwest	Medium 3	\$62,361	\$3,118
Dairy	Hose	Pacific	Large 1	\$136,355	\$6,818
Dairy	Hose	Pacific	Medium 1	\$39,573	\$1,979
Dairy	Hose	Pacific	Medium 2	\$54,965	\$2,748
Dairy	Hose	Pacific	Medium 3	\$69,723	\$3,486
Dairy	Hose	South	Large 1	\$116,180	\$5,809
Dairy	Hose	South	Medium 1	\$35,351	\$1,768
Dairy	Hose	South	Medium 2	\$48,434	\$2,422
Dairy	Hose	South	Medium 3	\$60,948	\$3,047
Veal	Flush	Central	Medium 1	\$20,374	\$1,019
Veal	Flush	Central	Medium 2	\$22,203	\$1,110
Veal	Flush	Central	Medium 3	\$27,346	\$1,367
Veal	Flush	Mid-Atlantic	Medium 1	\$22,902	\$1,145
Veal	Flush	Mid-Atlantic	Medium 2	\$24,827	\$1,241
Veal	Flush	Mid-Atlantic	Medium 3	\$30,642	\$1,532
Veal	Flush	Midwest	Medium 1	\$21,769	\$1,088
Veal	Flush	Midwest	Medium 2	\$23,526	\$1,176

**Table A-4 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Veal	Flush	Midwest	Medium 3	\$28,903	\$1,445
Veal	Flush	Pacific	Medium 1	\$23,211	\$1,161
Veal	Flush	Pacific	Medium 2	\$25,742	\$1,287
Veal	Flush	Pacific	Medium 3	\$31,706	\$1,585
Veal	Flush	South	Medium 1	\$21,502	\$1,075
Veal	Flush	South	Medium 2	\$24,865	\$1,243
Veal	Flush	South	Medium 3	\$30,633	\$1,532

**Table A-5****Costs for Synthetically Lined Lagoons at Dairies and Veal Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Large 1	Central	\$363,000	\$18,150
Dairy	Flush	Large 1	Mid-Atlantic	\$376,418	\$18,821
Dairy	Flush	Large 1	Midwest	\$310,862	\$15,543
Dairy	Flush	Large 1	Pacific	\$431,846	\$21,592
Dairy	Flush	Large 1	South	\$394,567	\$19,728
Dairy	Flush	Medium 1	Central	\$131,074	\$6,554
Dairy	Flush	Medium 1	Mid-Atlantic	\$130,004	\$6,500
Dairy	Flush	Medium 1	Midwest	\$104,317	\$5,216
Dairy	Flush	Medium 1	Pacific	\$155,612	\$7,781
Dairy	Flush	Medium 1	South	\$150,644	\$7,532
Dairy	Flush	Medium 2	Central	\$146,055	\$7,303
Dairy	Flush	Medium 2	Mid-Atlantic	\$151,211	\$7,561
Dairy	Flush	Medium 2	Midwest	\$121,952	\$6,098
Dairy	Flush	Medium 2	Pacific	\$177,355	\$8,868
Dairy	Flush	Medium 2	South	\$165,758	\$8,288
Dairy	Flush	Medium 3	Central	\$188,613	\$9,431
Dairy	Flush	Medium 3	Mid-Atlantic	\$194,691	\$9,735
Dairy	Flush	Medium 3	Midwest	\$158,748	\$7,937
Dairy	Flush	Medium 3	Pacific	\$226,556	\$11,328
Dairy	Flush	Medium 3	South	\$211,330	\$10,567
Dairy	Hose	Large 1	Central	\$185,245	\$9,262
Dairy	Hose	Large 1	Mid-Atlantic	\$217,143	\$10,857
Dairy	Hose	Large 1	Midwest	\$180,538	\$9,027

**Table A-5 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	Large 1	Pacific	\$242,889	\$12,144
Dairy	Hose	Large 1	South	\$200,936	\$10,047
Dairy	Hose	Medium 1	Central	\$54,632	\$2,732
Dairy	Hose	Medium 1	Mid-Atlantic	\$61,301	\$3,065
Dairy	Hose	Medium 1	Midwest	\$48,142	\$2,407
Dairy	Hose	Medium 1	Pacific	\$74,366	\$3,718
Dairy	Hose	Medium 1	South	\$67,966	\$3,398
Dairy	Hose	Medium 2	Central	\$70,597	\$3,530
Dairy	Hose	Medium 2	Mid-Atlantic	\$81,997	\$4,100
Dairy	Hose	Medium 2	Midwest	\$66,909	\$3,345
Dairy	Hose	Medium 2	Pacific	\$94,773	\$4,739
Dairy	Hose	Medium 2	South	\$81,191	\$4,060
Dairy	Hose	Medium 3	Central	\$91,004	\$4,550
Dairy	Hose	Medium 3	Mid-Atlantic	\$107,201	\$5,360
Dairy	Hose	Medium 3	Midwest	\$87,459	\$4,373
Dairy	Hose	Medium 3	Pacific	\$121,038	\$6,052
Dairy	Hose	Medium 3	South	\$103,423	\$5,171
Veal	Flush	Medium 1	Central	\$0	\$0
Veal	Flush	Medium 1	Mid-Atlantic	\$0	\$0
Veal	Flush	Medium 1	Midwest	\$0	\$0
Veal	Flush	Medium 1	Pacific	\$0	\$0
Veal	Flush	Medium 1	South	\$0	\$0
Veal	Flush	Medium 2	Central	\$0	\$0
Veal	Flush	Medium 2	Mid-Atlantic	\$0	\$0
Veal	Flush	Medium 2	Midwest	\$0	\$0
Veal	Flush	Medium 2	Pacific	\$0	\$0

**Table A-5 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Veal	Flush	Medium 2	South	\$0	\$0
Veal	Flush	Medium 3	Central	\$0	\$0
Veal	Flush	Medium 3	Mid-Atlantic	\$0	\$0
Veal	Flush	Medium 3	Midwest	\$0	\$0
Veal	Flush	Medium 3	Pacific	\$0	\$0
Veal	Flush	Medium 3	South	\$0	\$0

**Table A-6a****Costs for Lagoons at Dairies Under Option 7**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Central	Large 1	\$194,988	\$9,749
Dairy	Flush	Central	Medium 1	\$57,883	\$2,894
Dairy	Flush	Central	Medium 2	\$81,904	\$4,095
Dairy	Flush	Central	Medium 3	\$104,334	\$5,217
Dairy	Flush	Mid-Atlantic	Large 1	\$193,294	\$9,665
Dairy	Flush	Mid-Atlantic	Medium 1	\$56,655	\$2,833
Dairy	Flush	Mid-Atlantic	Medium 2	\$79,952	\$3,998
Dairy	Flush	Mid-Atlantic	Medium 3	\$102,883	\$5,144
Dairy	Flush	Midwest	Large 1	\$182,501	\$9,125
Dairy	Flush	Midwest	Medium 1	\$51,937	\$2,597
Dairy	Flush	Midwest	Medium 2	\$74,653	\$3,733
Dairy	Flush	Midwest	Medium 3	\$95,519	\$4,776
Dairy	Flush	Pacific	Large 1	\$281,922	\$14,096
Dairy	Flush	Pacific	Medium 1	\$82,243	\$4,112
Dairy	Flush	Pacific	Medium 2	\$117,155	\$5,858
Dairy	Flush	Pacific	Medium 3	\$150,125	\$7,506
Dairy	Flush	South	Large 1	\$352,973	\$17,649
Dairy	Flush	South	Medium 1	\$101,514	\$5,076
Dairy	Flush	South	Medium 2	\$145,461	\$7,273
Dairy	Flush	South	Medium 3	\$186,987	\$9,349
Dairy	Hose	Central	Large 1	\$91,556	\$4,578
Dairy	Hose	Central	Medium 1	\$25,988	\$1,299
Dairy	Hose	Central	Medium 2	\$35,931	\$1,797

**Table A-6a (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	Central	Medium 3	\$45,622	\$2,281
Dairy	Hose	Mid-Atlantic	Large 1	\$130,629	\$6,531
Dairy	Hose	Mid-Atlantic	Medium 1	\$35,958	\$1,798
Dairy	Hose	Mid-Atlantic	Medium 2	\$50,298	\$2,515
Dairy	Hose	Mid-Atlantic	Medium 3	\$64,829	\$3,241
Dairy	Hose	Midwest	Large 1	\$122,090	\$6,104
Dairy	Hose	Midwest	Medium 1	\$32,367	\$1,618
Dairy	Hose	Midwest	Medium 2	\$46,299	\$2,315
Dairy	Hose	Midwest	Medium 3	\$59,544	\$2,977
Dairy	Hose	Pacific	Large 1	\$116,072	\$5,804
Dairy	Hose	Pacific	Medium 1	\$33,261	\$1,663
Dairy	Hose	Pacific	Medium 2	\$46,116	\$2,306
Dairy	Hose	Pacific	Medium 3	\$58,803	\$2,940
Dairy	Hose	South	Large 1	\$87,821	\$4,391
Dairy	Hose	South	Medium 1	\$26,813	\$1,341
Dairy	Hose	South	Medium 2	\$36,255	\$1,813
Dairy	Hose	South	Medium 3	\$45,653	\$2,283

**Table A-6b**

**Costs for Additional Capacity Lagoon for Dairies Under Option 7**

Animal	Farm Type	Region	Size Class	Capital	Annual
Dairy	Flush	Central	Large 1	\$219,834	\$10,992
Dairy	Flush	Central	Large 1	\$219,834	\$10,992
Dairy	Flush	Central	Large 1	\$219,834	\$10,992
Dairy	Flush	Central	Large 1	\$219,834	\$10,992
Dairy	Flush	Central	Medium 1	\$66,256	\$3,313
Dairy	Flush	Central	Medium 1	\$66,256	\$3,313
Dairy	Flush	Central	Medium 1	\$66,256	\$3,313
Dairy	Flush	Central	Medium 1	\$66,256	\$3,313
Dairy	Flush	Central	Medium 2	\$92,975	\$4,649
Dairy	Flush	Central	Medium 2	\$92,975	\$4,649
Dairy	Flush	Central	Medium 2	\$92,975	\$4,649
Dairy	Flush	Central	Medium 2	\$92,975	\$4,649
Dairy	Flush	Central	Medium 3	\$118,371	\$5,919
Dairy	Flush	Central	Medium 3	\$118,371	\$5,919
Dairy	Flush	Central	Medium 3	\$118,371	\$5,919
Dairy	Flush	Central	Medium 3	\$118,371	\$5,919
Dairy	Flush	Mid-Atlantic	Large 1	\$340,273	\$17,014
Dairy	Flush	Mid-Atlantic	Large 1	\$340,273	\$17,014
Dairy	Flush	Mid-Atlantic	Large 1	\$340,273	\$17,014
Dairy	Flush	Mid-Atlantic	Large 1	\$340,273	\$17,014
Dairy	Flush	Mid-Atlantic	Medium 1	\$99,020	\$4,951
Dairy	Flush	Mid-Atlantic	Medium 1	\$99,020	\$4,951
Dairy	Flush	Mid-Atlantic	Medium 1	\$99,020	\$4,951

**Table A-6b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Mid-Atlantic	Medium 1	\$99,020	\$4,951
Dairy	Flush	Mid-Atlantic	Medium 2	\$141,315	\$7,066
Dairy	Flush	Mid-Atlantic	Medium 2	\$141,315	\$7,066
Dairy	Flush	Mid-Atlantic	Medium 2	\$141,315	\$7,066
Dairy	Flush	Mid-Atlantic	Medium 2	\$141,315	\$7,066
Dairy	Flush	Mid-Atlantic	Medium 3	\$181,277	\$9,064
Dairy	Flush	Mid-Atlantic	Medium 3	\$181,277	\$9,064
Dairy	Flush	Mid-Atlantic	Medium 3	\$181,277	\$9,064
Dairy	Flush	Mid-Atlantic	Medium 3	\$181,277	\$9,064
Dairy	Flush	Midwest	Large 1	\$260,242	\$13,012
Dairy	Flush	Midwest	Large 1	\$260,242	\$13,012
Dairy	Flush	Midwest	Large 1	\$260,242	\$13,012
Dairy	Flush	Midwest	Large 1	\$260,242	\$13,012
Dairy	Flush	Midwest	Medium 1	\$75,705	\$3,785
Dairy	Flush	Midwest	Medium 1	\$75,705	\$3,785
Dairy	Flush	Midwest	Medium 1	\$75,705	\$3,785
Dairy	Flush	Midwest	Medium 1	\$75,705	\$3,785
Dairy	Flush	Midwest	Medium 2	\$107,138	\$5,357
Dairy	Flush	Midwest	Medium 2	\$107,138	\$5,357
Dairy	Flush	Midwest	Medium 2	\$107,138	\$5,357
Dairy	Flush	Midwest	Medium 2	\$107,138	\$5,357
Dairy	Flush	Midwest	Medium 3	\$136,990	\$6,850
Dairy	Flush	Midwest	Medium 3	\$136,990	\$6,850
Dairy	Flush	Midwest	Medium 3	\$136,990	\$6,850
Dairy	Flush	Midwest	Medium 3	\$136,990	\$6,850
Dairy	Flush	Pacific	Large 1	\$235,430	\$11,772

**Table A-6b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Pacific	Large 1	\$235,430	\$11,772
Dairy	Flush	Pacific	Large 1	\$235,430	\$11,772
Dairy	Flush	Pacific	Large 1	\$235,430	\$11,772
Dairy	Flush	Pacific	Medium 1	\$72,203	\$3,610
Dairy	Flush	Pacific	Medium 1	\$72,203	\$3,610
Dairy	Flush	Pacific	Medium 1	\$72,203	\$3,610
Dairy	Flush	Pacific	Medium 1	\$72,203	\$3,610
Dairy	Flush	Pacific	Medium 2	\$100,655	\$5,033
Dairy	Flush	Pacific	Medium 2	\$100,655	\$5,033
Dairy	Flush	Pacific	Medium 2	\$100,655	\$5,033
Dairy	Flush	Pacific	Medium 2	\$100,655	\$5,033
Dairy	Flush	Pacific	Medium 3	\$127,812	\$6,391
Dairy	Flush	Pacific	Medium 3	\$127,812	\$6,391
Dairy	Flush	Pacific	Medium 3	\$127,812	\$6,391
Dairy	Flush	Pacific	Medium 3	\$127,812	\$6,391
Dairy	Flush	South	Large 1	\$105,328	\$5,266
Dairy	Flush	South	Large 1	\$105,328	\$5,266
Dairy	Flush	South	Large 1	\$105,328	\$5,266
Dairy	Flush	South	Large 1	\$105,328	\$5,266
Dairy	Flush	South	Medium 1	\$35,101	\$1,755
Dairy	Flush	South	Medium 1	\$35,101	\$1,755
Dairy	Flush	South	Medium 1	\$35,101	\$1,755
Dairy	Flush	South	Medium 1	\$35,101	\$1,755
Dairy	Flush	South	Medium 2	\$46,422	\$2,321
Dairy	Flush	South	Medium 2	\$46,422	\$2,321
Dairy	Flush	South	Medium 2	\$46,422	\$2,321

**Table A-6b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	South	Medium 2	\$46,422	\$2,321
Dairy	Flush	South	Medium 3	\$57,655	\$2,883
Dairy	Flush	South	Medium 3	\$57,655	\$2,883
Dairy	Flush	South	Medium 3	\$57,655	\$2,883
Dairy	Flush	South	Medium 3	\$57,655	\$2,883
Dairy	Hose	Central	Large 1	\$101,274	\$5,064
Dairy	Hose	Central	Large 1	\$101,274	\$5,064
Dairy	Hose	Central	Large 1	\$101,274	\$5,064
Dairy	Hose	Central	Large 1	\$101,274	\$5,064
Dairy	Hose	Central	Medium 1	\$29,309	\$1,465
Dairy	Hose	Central	Medium 1	\$29,309	\$1,465
Dairy	Hose	Central	Medium 1	\$29,309	\$1,465
Dairy	Hose	Central	Medium 1	\$29,309	\$1,465
Dairy	Hose	Central	Medium 2	\$40,605	\$2,030
Dairy	Hose	Central	Medium 2	\$40,605	\$2,030
Dairy	Hose	Central	Medium 2	\$40,605	\$2,030
Dairy	Hose	Central	Medium 2	\$40,605	\$2,030
Dairy	Hose	Central	Medium 3	\$51,592	\$2,580
Dairy	Hose	Central	Medium 3	\$51,592	\$2,580
Dairy	Hose	Central	Medium 3	\$51,592	\$2,580
Dairy	Hose	Central	Medium 3	\$51,592	\$2,580
Dairy	Hose	Mid-Atlantic	Large 1	\$147,107	\$7,355
Dairy	Hose	Mid-Atlantic	Large 1	\$147,107	\$7,355
Dairy	Hose	Mid-Atlantic	Large 1	\$147,107	\$7,355
Dairy	Hose	Mid-Atlantic	Large 1	\$147,107	\$7,355
Dairy	Hose	Mid-Atlantic	Medium 1	\$41,952	\$2,098

**Table A-6b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	Mid-Atlantic	Medium 1	\$41,952	\$2,098
Dairy	Hose	Mid-Atlantic	Medium 1	\$41,952	\$2,098
Dairy	Hose	Mid-Atlantic	Medium 1	\$41,952	\$2,098
Dairy	Hose	Mid-Atlantic	Medium 2	\$58,066	\$2,903
Dairy	Hose	Mid-Atlantic	Medium 2	\$58,066	\$2,903
Dairy	Hose	Mid-Atlantic	Medium 2	\$58,066	\$2,903
Dairy	Hose	Mid-Atlantic	Medium 2	\$58,066	\$2,903
Dairy	Hose	Mid-Atlantic	Medium 3	\$74,474	\$3,724
Dairy	Hose	Mid-Atlantic	Medium 3	\$74,474	\$3,724
Dairy	Hose	Mid-Atlantic	Medium 3	\$74,474	\$3,724
Dairy	Hose	Mid-Atlantic	Medium 3	\$74,474	\$3,724
Dairy	Hose	Midwest	Large 1	\$130,132	\$6,507
Dairy	Hose	Midwest	Large 1	\$130,132	\$6,507
Dairy	Hose	Midwest	Large 1	\$130,132	\$6,507
Dairy	Hose	Midwest	Large 1	\$130,132	\$6,507
Dairy	Hose	Midwest	Medium 1	\$35,387	\$1,769
Dairy	Hose	Midwest	Medium 1	\$35,387	\$1,769
Dairy	Hose	Midwest	Medium 1	\$35,387	\$1,769
Dairy	Hose	Midwest	Medium 1	\$35,387	\$1,769
Dairy	Hose	Midwest	Medium 2	\$50,037	\$2,502
Dairy	Hose	Midwest	Medium 2	\$50,037	\$2,502
Dairy	Hose	Midwest	Medium 2	\$50,037	\$2,502
Dairy	Hose	Midwest	Medium 2	\$50,037	\$2,502
Dairy	Hose	Midwest	Medium 3	\$64,506	\$3,225
Dairy	Hose	Midwest	Medium 3	\$64,506	\$3,225
Dairy	Hose	Midwest	Medium 3	\$64,506	\$3,225

**Table A-6b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	Midwest	Medium 3	\$64,506	\$3,225
Dairy	Hose	Pacific	Large 1	\$125,982	\$6,299
Dairy	Hose	Pacific	Large 1	\$125,982	\$6,299
Dairy	Hose	Pacific	Large 1	\$125,982	\$6,299
Dairy	Hose	Pacific	Large 1	\$125,982	\$6,299
Dairy	Hose	Pacific	Medium 1	\$37,117	\$1,856
Dairy	Hose	Pacific	Medium 1	\$37,117	\$1,856
Dairy	Hose	Pacific	Medium 1	\$37,117	\$1,856
Dairy	Hose	Pacific	Medium 1	\$37,117	\$1,856
Dairy	Hose	Pacific	Medium 2	\$51,082	\$2,554
Dairy	Hose	Pacific	Medium 2	\$51,082	\$2,554
Dairy	Hose	Pacific	Medium 2	\$51,082	\$2,554
Dairy	Hose	Pacific	Medium 2	\$51,082	\$2,554
Dairy	Hose	Pacific	Medium 3	\$64,462	\$3,223
Dairy	Hose	Pacific	Medium 3	\$64,462	\$3,223
Dairy	Hose	Pacific	Medium 3	\$64,462	\$3,223
Dairy	Hose	Pacific	Medium 3	\$64,462	\$3,223
Dairy	Hose	South	Large 1	\$85,542	\$4,277
Dairy	Hose	South	Large 1	\$85,542	\$4,277
Dairy	Hose	South	Large 1	\$85,542	\$4,277
Dairy	Hose	South	Large 1	\$85,542	\$4,277
Dairy	Hose	South	Medium 1	\$25,922	\$1,296
Dairy	Hose	South	Medium 1	\$25,922	\$1,296
Dairy	Hose	South	Medium 1	\$25,922	\$1,296
Dairy	Hose	South	Medium 1	\$25,922	\$1,296
Dairy	Hose	South	Medium 2	\$35,152	\$1,758

**Table A-6b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Hose	South	Medium 2	\$35,152	\$1,758
Dairy	Hose	South	Medium 2	\$35,152	\$1,758
Dairy	Hose	South	Medium 2	\$35,152	\$1,758
Dairy	Hose	South	Medium 3	\$44,245	\$2,212
Dairy	Hose	South	Medium 3	\$44,245	\$2,212
Dairy	Hose	South	Medium 3	\$44,245	\$2,212
Dairy	Hose	South	Medium 3	\$44,245	\$2,212

**Table A-7**

**Costs for Naturally-Lined Ponds at Beef Feedlots and Heifer Operations**

Animal	Farm Type	Region	Size Class	Capital	Annual
Beef	Beef	Central	Large 1	\$19,458	\$973
Beef	Beef	Central	Large 2	\$83,318	\$4,166
Beef	Beef	Central	Medium 1	\$11,264	\$563
Beef	Beef	Central	Medium 2	\$12,503	\$625
Beef	Beef	Central	Medium 3	\$13,786	\$689
Beef	Beef	Mid-Atlantic	Large 1	\$33,990	\$1,700
Beef	Beef	Mid-Atlantic	Large 2	\$167,623	\$8,381
Beef	Beef	Mid-Atlantic	Medium 1	\$15,934	\$797
Beef	Beef	Mid-Atlantic	Medium 2	\$18,778	\$939
Beef	Beef	Mid-Atlantic	Medium 3	\$21,797	\$1,090
Beef	Beef	Midwest	Large 1	\$25,307	\$1,265
Beef	Beef	Midwest	Large 2	\$116,765	\$5,838
Beef	Beef	Midwest	Medium 1	\$13,139	\$657
Beef	Beef	Midwest	Medium 2	\$14,999	\$750
Beef	Beef	Midwest	Medium 3	\$16,984	\$849
Beef	Beef	Pacific	Large 1	\$43,420	\$2,171
Beef	Beef	Pacific	Large 2	\$217,952	\$10,898
Beef	Beef	Pacific	Medium 1	\$19,011	\$951
Beef	Beef	Pacific	Medium 2	\$22,843	\$1,142
Beef	Beef	Pacific	Medium 3	\$26,865	\$1,343
Beef	Beef	South	Large 1	\$39,617	\$1,981
Beef	Beef	South	Large 2	\$194,161	\$9,708
Beef	Beef	South	Medium 1	\$17,860	\$893

**Table A-7(Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	South	Medium 2	\$21,274	\$1,064
Beef	Beef	South	Medium 3	\$24,843	\$1,242
Heifers	Heifers	Central	Large 1	\$17,392	\$870
Heifers	Heifers	Central	Medium 1	\$11,315	\$566
Heifers	Heifers	Central	Medium 2	\$12,704	\$635
Heifers	Heifers	Central	Medium 3	\$14,204	\$710
Heifers	Heifers	Mid-Atlantic	Large 1	\$29,313	\$1,466
Heifers	Heifers	Mid-Atlantic	Medium 1	\$16,050	\$802
Heifers	Heifers	Mid-Atlantic	Medium 2	\$19,283	\$964
Heifers	Heifers	Mid-Atlantic	Medium 3	\$22,440	\$1,122
Heifers	Heifers	Midwest	Large 1	\$22,140	\$1,107
Heifers	Heifers	Midwest	Medium 1	\$13,215	\$661
Heifers	Heifers	Midwest	Medium 2	\$15,318	\$766
Heifers	Heifers	Midwest	Medium 3	\$17,433	\$872
Heifers	Heifers	Pacific	Large 1	\$37,141	\$1,857
Heifers	Heifers	Pacific	Medium 1	\$19,172	\$959
Heifers	Heifers	Pacific	Medium 2	\$23,589	\$1,179
Heifers	Heifers	Pacific	Medium 3	\$27,790	\$1,389
Heifers	Heifers	South	Large 1	\$34,419	\$1,721
Heifers	Heifers	South	Medium 1	\$18,005	\$900
Heifers	Heifers	South	Medium 2	\$21,751	\$1,088
Heifers	Heifers	South	Medium 3	\$25,660	\$1,283

**Table A-8****Costs for Synthetically Lined Ponds at Beef and Heifer Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Large 1	Central	\$48,923	\$2,446
Beef	Beef	Large 1	Mid-Atlantic	\$85,682	\$4,284
Beef	Beef	Large 1	Midwest	\$64,160	\$3,208
Beef	Beef	Large 1	Pacific	\$109,089	\$5,454
Beef	Beef	Large 1	South	\$100,979	\$5,049
Beef	Beef	Large 2	Central	\$249,710	\$12,485
Beef	Beef	Large 2	Mid-Atlantic	\$494,952	\$24,748
Beef	Beef	Large 2	Midwest	\$346,870	\$17,343
Beef	Beef	Large 2	Pacific	\$662,726	\$33,136
Beef	Beef	Large 2	South	\$611,550	\$30,578
Beef	Beef	Medium 1	Central	\$25,448	\$1,272
Beef	Beef	Medium 1	Mid-Atlantic	\$39,253	\$1,963
Beef	Beef	Medium 1	Midwest	\$31,210	\$1,561
Beef	Beef	Medium 1	Pacific	\$47,315	\$2,366
Beef	Beef	Medium 1	South	\$44,113	\$2,206
Beef	Beef	Medium 2	Central	\$29,264	\$1,463
Beef	Beef	Medium 2	Mid-Atlantic	\$46,609	\$2,330
Beef	Beef	Medium 2	Midwest	\$36,352	\$1,818
Beef	Beef	Medium 2	Pacific	\$56,830	\$2,841
Beef	Beef	Medium 2	South	\$52,964	\$2,648
Beef	Beef	Medium 3	Central	\$33,054	\$1,653
Beef	Beef	Medium 3	Mid-Atlantic	\$53,964	\$2,698
Beef	Beef	Medium 3	Midwest	\$41,770	\$2,089

**Table A-8 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Medium 3	Pacific	\$66,788	\$3,339
Beef	Beef	Medium 3	South	\$62,231	\$3,112
Heifers	Heifers	Large 1	Central	\$43,172	\$2,159
Heifers	Heifers	Large 1	Mid-Atlantic	\$74,059	\$3,703
Heifers	Heifers	Large 1	Midwest	\$55,689	\$2,784
Heifers	Heifers	Large 1	Pacific	\$93,408	\$4,670
Heifers	Heifers	Large 1	South	\$86,496	\$4,325
Heifers	Heifers	Medium 1	Central	\$25,593	\$1,280
Heifers	Heifers	Medium 1	Mid-Atlantic	\$39,386	\$1,969
Heifers	Heifers	Medium 1	Midwest	\$31,300	\$1,565
Heifers	Heifers	Medium 1	Pacific	\$47,521	\$2,376
Heifers	Heifers	Medium 1	South	\$44,462	\$2,223
Heifers	Heifers	Medium 2	Central	\$29,763	\$1,488
Heifers	Heifers	Medium 2	Mid-Atlantic	\$47,779	\$2,389
Heifers	Heifers	Medium 2	Midwest	\$37,114	\$1,856
Heifers	Heifers	Medium 2	Pacific	\$58,445	\$2,922
Heifers	Heifers	Medium 2	South	\$54,437	\$2,722
Heifers	Heifers	Medium 3	Central	\$33,887	\$1,694
Heifers	Heifers	Medium 3	Mid-Atlantic	\$56,083	\$2,804
Heifers	Heifers	Medium 3	Midwest	\$43,008	\$2,150
Heifers	Heifers	Medium 3	Pacific	\$69,469	\$3,473
Heifers	Heifers	Medium 3	South	\$64,685	\$3,234

**Table A-9a**

**Costs for Ponds for Beef Feedlots and Heifer Operations Under Option 7**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Central	Large 1	\$16,792	\$840
Beef	Beef	Central	Large 2	\$54,026	\$2,701
Beef	Beef	Central	Medium 1	\$11,700	\$585
Beef	Beef	Central	Medium 2	\$12,486	\$624
Beef	Beef	Central	Medium 3	\$13,351	\$668
Beef	Beef	Mid-Atlantic	Large 1	\$31,003	\$1,550
Beef	Beef	Mid-Atlantic	Large 2	\$133,734	\$6,687
Beef	Beef	Mid-Atlantic	Medium 1	\$16,916	\$846
Beef	Beef	Mid-Atlantic	Medium 2	\$19,104	\$955
Beef	Beef	Mid-Atlantic	Medium 3	\$21,458	\$1,073
Beef	Beef	Midwest	Large 1	\$21,578	\$1,079
Beef	Beef	Midwest	Large 2	\$82,255	\$4,113
Beef	Beef	Midwest	Medium 1	\$13,506	\$675
Beef	Beef	Midwest	Medium 2	\$14,827	\$741
Beef	Beef	Midwest	Medium 3	\$16,106	\$805
Beef	Beef	Pacific	Large 1	\$33,888	\$1,694
Beef	Beef	Pacific	Large 2	\$148,564	\$7,428
Beef	Beef	Pacific	Medium 1	\$18,049	\$902
Beef	Beef	Pacific	Medium 2	\$20,567	\$1,028
Beef	Beef	Pacific	Medium 3	\$23,281	\$1,164
Beef	Beef	South	Large 1	\$33,897	\$1,695
Beef	Beef	South	Large 2	\$147,833	\$7,392
Beef	Beef	South	Medium 1	\$17,837	\$892

**Table A-9a (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	South	Medium 2	\$20,386	\$1,019
Beef	Beef	South	Medium 3	\$23,052	\$1,153
Dairy	Flush	Central	Large 1	\$15,009	\$750
Dairy	Flush	Mid-Atlantic	Large 1	\$16,245	\$812
Dairy	Flush	Midwest	Large 1	\$15,611	\$781
Dairy	Flush	Pacific	Large 1	\$16,713	\$836
Dairy	Flush	South	Large 1	\$16,301	\$815
Dairy	Hose	Central	Large 1	\$13,080	\$654
Dairy	Hose	Mid-Atlantic	Large 1	\$14,712	\$736
Dairy	Hose	Midwest	Large 1	\$13,878	\$694
Dairy	Hose	Pacific	Large 1	\$15,323	\$766
Dairy	Hose	South	Large 1	\$14,787	\$739
Heifers	Heifers	Central	Large 1	\$15,518	\$776
Heifers	Heifers	Central	Medium 1	\$11,680	\$584
Heifers	Heifers	Central	Medium 2	\$12,647	\$632
Heifers	Heifers	Central	Medium 3	\$13,519	\$676
Heifers	Heifers	Mid-Atlantic	Large 1	\$27,571	\$1,379
Heifers	Heifers	Mid-Atlantic	Medium 1	\$17,013	\$851
Heifers	Heifers	Mid-Atlantic	Medium 2	\$19,461	\$973
Heifers	Heifers	Mid-Atlantic	Medium 3	\$21,958	\$1,098
Heifers	Heifers	Midwest	Large 1	\$19,680	\$984
Heifers	Heifers	Midwest	Medium 1	\$13,562	\$678
Heifers	Heifers	Midwest	Medium 2	\$15,005	\$750
Heifers	Heifers	Midwest	Medium 3	\$16,524	\$826
Heifers	Heifers	Pacific	Large 1	\$29,864	\$1,493
Heifers	Heifers	Pacific	Medium 1	\$18,158	\$908

**Table A-9a (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Heifers	Heifers	Pacific	Medium 2	\$20,981	\$1,049
Heifers	Heifers	Pacific	Medium 3	\$23,864	\$1,193
Heifers	Heifers	South	Large 1	\$29,902	\$1,495
Heifers	Heifers	South	Medium 1	\$17,948	\$897
Heifers	Heifers	South	Medium 2	\$20,898	\$1,045
Heifers	Heifers	South	Medium 3	\$23,636	\$1,182

**Table A-9b**

**Costs for Additional Capacity Lagoon for Dairies Under Option 7**

Animal	Farm Type	Region	Size Class	Capital	Annual
Beef	Beef	Central	Large 1	\$7,790	\$389
Beef	Beef	Central	Large 2	\$38,719	\$1,936
Beef	Beef	Central	Medium 1	\$11,226	\$561
Beef	Beef	Central	Medium 2	\$11,923	\$596
Beef	Beef	Central	Medium 3	\$12,570	\$628
Beef	Beef	Mid-Atlantic	Large 1	\$19,883	\$994
Beef	Beef	Mid-Atlantic	Large 2	\$106,428	\$5,321
Beef	Beef	Mid-Atlantic	Medium 1	\$15,615	\$781
Beef	Beef	Mid-Atlantic	Medium 2	\$17,545	\$877
Beef	Beef	Mid-Atlantic	Medium 3	\$19,514	\$976
Beef	Beef	Midwest	Large 1	\$5,588	\$279
Beef	Beef	Midwest	Large 2	\$25,426	\$1,271
Beef	Beef	Midwest	Medium 1	\$10,625	\$531
Beef	Beef	Midwest	Medium 2	\$11,048	\$552
Beef	Beef	Midwest	Medium 3	\$11,473	\$574
Beef	Beef	Pacific	Large 1	\$17,849	\$892
Beef	Beef	Pacific	Large 2	\$93,347	\$4,667
Beef	Beef	Pacific	Medium 1	\$15,029	\$751
Beef	Beef	Pacific	Medium 2	\$16,615	\$831
Beef	Beef	Pacific	Medium 3	\$18,322	\$916
Beef	Beef	South	Large 1	\$0	\$0
Beef	Beef	South	Large 2	\$0	\$0
Beef	Beef	South	Medium 1	\$0	\$0

**Table A-9b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	South	Medium 2	\$0	\$0
Beef	Beef	South	Medium 3	\$0	\$0
Heifers	Heifers	Central	Large 1	\$6,444	\$322
Heifers	Heifers	Central	Medium 1	\$11,150	\$558
Heifers	Heifers	Central	Medium 2	\$11,891	\$595
Heifers	Heifers	Central	Medium 3	\$12,559	\$628
Heifers	Heifers	Mid-Atlantic	Large 1	\$21,179	\$1,059
Heifers	Heifers	Mid-Atlantic	Medium 1	\$17,527	\$876
Heifers	Heifers	Mid-Atlantic	Medium 2	\$20,112	\$1,006
Heifers	Heifers	Mid-Atlantic	Medium 3	\$22,899	\$1,145
Heifers	Heifers	Midwest	Large 1	\$10,082	\$504
Heifers	Heifers	Midwest	Medium 1	\$12,747	\$637
Heifers	Heifers	Midwest	Medium 2	\$13,985	\$699
Heifers	Heifers	Midwest	Medium 3	\$15,122	\$756
Heifers	Heifers	Pacific	Large 1	\$15,075	\$754
Heifers	Heifers	Pacific	Medium 1	\$15,011	\$751
Heifers	Heifers	Pacific	Medium 2	\$16,972	\$849
Heifers	Heifers	Pacific	Medium 3	\$18,864	\$943
Heifers	Heifers	South	Large 1	\$5,105	\$255
Heifers	Heifers	South	Medium 1	\$10,752	\$538
Heifers	Heifers	South	Medium 2	\$11,231	\$562
Heifers	Heifers	South	Medium 3	\$11,753	\$588

**Table A-10a**

**Costs for Nutrient Management Planning at Dairies, Beef Feedlots, Veal and Heifer Operations  
P-Based Scenario**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Beef	Beef	Central	Large 1	\$8,976	\$5,753	\$2,020	\$3,774	\$2,727	\$620	\$1,045	\$1,350	\$20
Beef	Beef	Central	Large 2	\$106,174	\$62,302	\$28,140	\$32,077	\$19,193	\$8,220	\$1,045	\$1,350	\$20
Beef	Beef	Central	Medium 1	\$3,039	\$2,159	\$420	\$2,176	\$1,657	\$180	\$1,045	\$1,210	\$20
Beef	Beef	Central	Medium 2	\$3,774	\$2,587	\$620	\$2,912	\$2,085	\$380	\$1,045	\$1,210	\$20
Beef	Beef	Central	Medium 3	\$4,641	\$3,091	\$860	\$3,778	\$2,589	\$620	\$1,045	\$1,210	\$20
Beef	Beef	Mid-Atlantic	Large 1	\$6,654	\$4,402	\$1,400	\$2,800	\$2,160	\$360	\$1,045	\$1,350	\$20
Beef	Beef	Mid-Atlantic	Large 2	\$73,505	\$43,296	\$19,360	\$18,574	\$11,338	\$4,600	\$1,045	\$1,350	\$20
Beef	Beef	Mid-Atlantic	Medium 1	\$2,573	\$1,888	\$300	\$1,934	\$1,516	\$120	\$1,045	\$1,210	\$20
Beef	Beef	Mid-Atlantic	Medium 2	\$3,077	\$2,182	\$420	\$2,438	\$1,810	\$260	\$1,045	\$1,210	\$20
Beef	Beef	Mid-Atlantic	Medium 3	\$3,674	\$2,529	\$600	\$3,035	\$2,157	\$420	\$1,045	\$1,210	\$20
Beef	Beef	Midwest	Large 1	\$7,417	\$4,846	\$1,600	\$2,985	\$2,268	\$400	\$1,045	\$1,350	\$20
Beef	Beef	Midwest	Large 2	\$84,243	\$49,543	\$22,240	\$21,116	\$12,816	\$5,280	\$1,045	\$1,350	\$20
Beef	Beef	Midwest	Medium 1	\$2,727	\$1,978	\$340	\$1,992	\$1,550	\$140	\$1,045	\$1,210	\$20
Beef	Beef	Midwest	Medium 2	\$3,308	\$2,316	\$500	\$2,573	\$1,888	\$300	\$1,045	\$1,210	\$20
Beef	Beef	Midwest	Medium 3	\$3,990	\$2,712	\$680	\$3,258	\$2,287	\$480	\$1,045	\$1,210	\$20
Beef	Beef	Pacific	Large 1	\$6,616	\$4,380	\$1,380	\$3,151	\$2,364	\$440	\$1,045	\$1,350	\$20
Beef	Beef	Pacific	Large 2	\$72,943	\$42,969	\$19,220	\$23,572	\$14,245	\$5,940	\$1,045	\$1,350	\$20
Beef	Beef	Pacific	Medium 1	\$2,565	\$1,884	\$300	\$1,992	\$1,550	\$140	\$1,045	\$1,210	\$20
Beef	Beef	Pacific	Medium 2	\$3,066	\$2,175	\$420	\$2,492	\$1,841	\$280	\$1,045	\$1,210	\$20
Beef	Beef	Pacific	Medium 3	\$3,659	\$2,520	\$580	\$3,081	\$2,184	\$440	\$1,045	\$1,210	\$20
Beef	Beef	South	Large 1	\$4,533	\$3,168	\$820	\$2,277	\$1,856	\$220	\$1,045	\$1,350	\$20
Beef	Beef	South	Large 2	\$43,620	\$25,909	\$11,320	\$11,502	\$7,223	\$2,700	\$1,045	\$1,350	\$20

**Table A-10a (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Beef	Beef	South	Medium 1	\$2,146	\$1,639	\$180	\$1,772	\$1,422	\$80	\$1,045	\$1,210	\$20
Beef	Beef	South	Medium 2	\$2,442	\$1,812	\$260	\$2,069	\$1,595	\$160	\$1,045	\$1,210	\$20
Beef	Beef	South	Medium 3	\$2,789	\$2,014	\$360	\$2,415	\$1,796	\$260	\$1,045	\$1,210	\$20
Dairy	Flush	Central	Large 1	\$9,211	\$5,890	\$2,080	\$3,089	\$2,328	\$440	\$1,045	\$1,350	\$20
Dairy	Flush	Central	Medium 1	\$2,885	\$2,070	\$380	\$2,654	\$1,935	\$320	\$1,045	\$1,210	\$20
Dairy	Flush	Central	Medium 2	\$3,824	\$2,616	\$640	\$2,234	\$1,691	\$200	\$1,045	\$1,210	\$20
Dairy	Flush	Central	Medium 3	\$4,760	\$3,160	\$880	\$3,170	\$2,235	\$460	\$1,045	\$1,210	\$20
Dairy	Flush	Mid-Atlantic	Large 1	\$9,754	\$6,206	\$2,220	\$2,750	\$2,131	\$340	\$1,045	\$1,350	\$20
Dairy	Flush	Mid-Atlantic	Medium 1	\$2,981	\$2,126	\$400	\$2,719	\$1,973	\$340	\$1,045	\$1,210	\$20
Dairy	Flush	Mid-Atlantic	Medium 2	\$3,986	\$2,710	\$680	\$2,165	\$1,651	\$180	\$1,045	\$1,210	\$20
Dairy	Flush	Mid-Atlantic	Medium 3	\$4,991	\$3,295	\$940	\$3,166	\$2,233	\$460	\$1,045	\$1,210	\$20
Dairy	Flush	Midwest	Large 1	\$10,543	\$6,665	\$2,440	\$3,539	\$2,590	\$560	\$1,045	\$1,350	\$20
Dairy	Flush	Midwest	Medium 1	\$3,120	\$2,206	\$440	\$2,854	\$2,052	\$360	\$1,045	\$1,210	\$20
Dairy	Flush	Midwest	Medium 2	\$4,221	\$2,847	\$740	\$2,400	\$1,787	\$240	\$1,045	\$1,210	\$20
Dairy	Flush	Midwest	Medium 3	\$5,322	\$3,487	\$1,040	\$3,497	\$2,426	\$540	\$1,045	\$1,210	\$20
Dairy	Flush	Pacific	Large 1	\$6,327	\$4,212	\$1,300	\$2,246	\$1,838	\$200	\$1,045	\$1,350	\$20
Dairy	Flush	Pacific	Medium 1	\$2,380	\$1,776	\$240	\$2,226	\$1,686	\$200	\$1,045	\$1,210	\$20
Dairy	Flush	Pacific	Medium 2	\$2,966	\$2,117	\$400	\$1,907	\$1,501	\$120	\$1,045	\$1,210	\$20
Dairy	Flush	Pacific	Medium 3	\$3,551	\$2,457	\$560	\$2,488	\$1,839	\$280	\$1,045	\$1,210	\$20
Dairy	Flush	South	Large 1	\$4,229	\$2,991	\$740	\$1,576	\$1,448	\$20	\$1,045	\$1,350	\$20
Dairy	Flush	South	Medium 1	\$2,015	\$1,563	\$140	\$1,915	\$1,505	\$120	\$1,045	\$1,210	\$20
Dairy	Flush	South	Medium 2	\$2,342	\$1,754	\$240	\$1,653	\$1,353	\$40	\$1,045	\$1,210	\$20
Dairy	Flush	South	Medium 3	\$2,673	\$1,946	\$320	\$1,980	\$1,543	\$140	\$1,045	\$1,210	\$20
Dairy	Hose	Central	Large 1	\$9,211	\$5,890	\$2,080	\$3,089	\$2,328	\$440	\$1,045	\$1,350	\$20
Dairy	Hose	Central	Medium 1	\$2,885	\$2,070	\$380	\$2,654	\$1,935	\$320	\$1,045	\$1,210	\$20
Dairy	Hose	Central	Medium 2	\$3,824	\$2,616	\$640	\$2,234	\$1,691	\$200	\$1,045	\$1,210	\$20

**Table A-10a (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Dairy	Hose	Central	Medium 3	\$4,760	\$3,160	\$880	\$3,170	\$2,235	\$460	\$1,045	\$1,210	\$20
Dairy	Hose	Mid-Atlantic	Large 1	\$9,754	\$6,206	\$2,220	\$2,750	\$2,131	\$340	\$1,045	\$1,350	\$20
Dairy	Hose	Mid-Atlantic	Medium 1	\$2,981	\$2,126	\$400	\$2,719	\$1,973	\$340	\$1,045	\$1,210	\$20
Dairy	Hose	Mid-Atlantic	Medium 2	\$3,986	\$2,710	\$680	\$2,165	\$1,651	\$180	\$1,045	\$1,210	\$20
Dairy	Hose	Mid-Atlantic	Medium 3	\$4,991	\$3,295	\$940	\$3,166	\$2,233	\$460	\$1,045	\$1,210	\$20
Dairy	Hose	Midwest	Large 1	\$10,543	\$6,665	\$2,440	\$3,539	\$2,590	\$560	\$1,045	\$1,350	\$20
Dairy	Hose	Midwest	Medium 1	\$3,120	\$2,206	\$440	\$2,854	\$2,052	\$360	\$1,045	\$1,210	\$20
Dairy	Hose	Midwest	Medium 2	\$4,221	\$2,847	\$740	\$2,400	\$1,787	\$240	\$1,045	\$1,210	\$20
Dairy	Hose	Midwest	Medium 3	\$5,322	\$3,487	\$1,040	\$3,497	\$2,426	\$540	\$1,045	\$1,210	\$20
Dairy	Hose	Pacific	Large 1	\$6,327	\$4,212	\$1,300	\$2,246	\$1,838	\$200	\$1,045	\$1,350	\$20
Dairy	Hose	Pacific	Medium 1	\$2,380	\$1,776	\$240	\$2,226	\$1,686	\$200	\$1,045	\$1,210	\$20
Dairy	Hose	Pacific	Medium 2	\$2,966	\$2,117	\$400	\$1,907	\$1,501	\$120	\$1,045	\$1,210	\$20
Dairy	Hose	Pacific	Medium 3	\$3,551	\$2,457	\$560	\$2,488	\$1,839	\$280	\$1,045	\$1,210	\$20
Dairy	Hose	South	Large 1	\$4,229	\$2,991	\$740	\$1,576	\$1,448	\$20	\$1,045	\$1,350	\$20
Dairy	Hose	South	Medium 1	\$2,015	\$1,563	\$140	\$1,915	\$1,505	\$120	\$1,045	\$1,210	\$20
Dairy	Hose	South	Medium 2	\$2,342	\$1,754	\$240	\$1,653	\$1,353	\$40	\$1,045	\$1,210	\$20
Dairy	Hose	South	Medium 3	\$2,673	\$1,946	\$320	\$1,980	\$1,543	\$140	\$1,045	\$1,210	\$20
Heifers	Heifers	Central	Large 1	\$3,208	\$2,398	\$460	\$2,970	\$2,259	\$400	\$1,045	\$1,350	\$20
Heifers	Heifers	Central	Medium 1	\$1,988	\$1,548	\$140	\$1,749	\$1,409	\$80	\$1,045	\$1,210	\$20
Heifers	Heifers	Central	Medium 2	\$2,238	\$1,693	\$200	\$1,999	\$1,554	\$140	\$1,045	\$1,210	\$20
Heifers	Heifers	Central	Medium 3	\$2,515	\$1,854	\$280	\$2,277	\$1,716	\$220	\$1,045	\$1,210	\$20
Heifers	Heifers	Mid-Atlantic	Large 1	\$3,308	\$2,456	\$500	\$3,035	\$2,297	\$420	\$1,045	\$1,350	\$20
Heifers	Heifers	Mid-Atlantic	Medium 1	\$2,015	\$1,563	\$140	\$1,741	\$1,404	\$80	\$1,045	\$1,210	\$20
Heifers	Heifers	Mid-Atlantic	Medium 2	\$2,280	\$1,718	\$220	\$2,007	\$1,559	\$140	\$1,045	\$1,210	\$20
Heifers	Heifers	Mid-Atlantic	Medium 3	\$2,573	\$1,888	\$300	\$2,303	\$1,731	\$220	\$1,045	\$1,210	\$20
Heifers	Heifers	Midwest	Large 1	\$3,308	\$2,456	\$500	\$3,035	\$2,297	\$420	\$1,045	\$1,350	\$20

**Table A-10a (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Heifers	Heifers	Midwest	Medium 1	\$2,015	\$1,563	\$140	\$1,741	\$1,404	\$80	\$1,045	\$1,210	\$20
Heifers	Heifers	Midwest	Medium 2	\$2,280	\$1,718	\$220	\$2,007	\$1,559	\$140	\$1,045	\$1,210	\$20
Heifers	Heifers	Midwest	Medium 3	\$2,573	\$1,888	\$300	\$2,303	\$1,731	\$220	\$1,045	\$1,210	\$20
Heifers	Heifers	Pacific	Large 1	\$2,681	\$2,091	\$320	\$2,523	\$1,999	\$280	\$1,045	\$1,350	\$20
Heifers	Heifers	Pacific	Medium 1	\$1,849	\$1,467	\$100	\$1,687	\$1,373	\$60	\$1,045	\$1,210	\$20
Heifers	Heifers	Pacific	Medium 2	\$2,019	\$1,566	\$140	\$1,861	\$1,474	\$100	\$1,045	\$1,210	\$20
Heifers	Heifers	Pacific	Medium 3	\$2,207	\$1,675	\$200	\$2,049	\$1,583	\$160	\$1,045	\$1,210	\$20
Heifers	Heifers	South	Large 1	\$2,215	\$1,820	\$200	\$2,111	\$1,759	\$180	\$1,045	\$1,350	\$20
Heifers	Heifers	South	Medium 1	\$1,722	\$1,393	\$60	\$1,618	\$1,333	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	South	Medium 2	\$1,822	\$1,451	\$100	\$1,722	\$1,393	\$60	\$1,045	\$1,210	\$20
Heifers	Heifers	South	Medium 3	\$1,934	\$1,516	\$120	\$1,830	\$1,456	\$100	\$1,045	\$1,210	\$20
Veal	Flush	Central	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Central	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Central	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Mid-Atlantic	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Mid-Atlantic	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Mid-Atlantic	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Midwest	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Midwest	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Midwest	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Pacific	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Pacific	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Pacific	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	South	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	South	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	South	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20

**Table A-10b**

**Costs for Nutrient Management Planning at Dairies, Beef Feedlots, Veal and Heifer Operations  
N-Based Scenario**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Beef	Beef	Central	Large 1	\$2,727	\$2,118	\$340	\$1,711	\$1,526	\$60	\$1,045	\$1,350	\$20
Beef	Beef	Central	Large 2	\$18,189	\$11,114	\$4,500	\$6,481	\$4,302	\$1,340	\$1,045	\$1,350	\$20
Beef	Beef	Central	Medium 1	\$1,784	\$1,429	\$80	\$1,599	\$1,321	\$40	\$1,045	\$1,210	\$20
Beef	Beef	Central	Medium 2	\$1,899	\$1,496	\$120	\$1,718	\$1,391	\$60	\$1,045	\$1,210	\$20
Beef	Beef	Central	Medium 3	\$2,038	\$1,577	\$160	\$1,853	\$1,469	\$100	\$1,045	\$1,210	\$20
Beef	Beef	Mid-Atlantic	Large 1	\$2,176	\$1,797	\$180	\$1,591	\$1,457	\$40	\$1,045	\$1,350	\$20
Beef	Beef	Mid-Atlantic	Large 2	\$10,420	\$6,593	\$2,400	\$3,690	\$2,678	\$600	\$1,045	\$1,350	\$20
Beef	Beef	Mid-Atlantic	Medium 1	\$1,672	\$1,364	\$60	\$1,568	\$1,303	\$20	\$1,045	\$1,210	\$20
Beef	Beef	Mid-Atlantic	Medium 2	\$1,734	\$1,400	\$60	\$1,630	\$1,339	\$40	\$1,045	\$1,210	\$20
Beef	Beef	Mid-Atlantic	Medium 3	\$1,807	\$1,442	\$80	\$1,703	\$1,382	\$60	\$1,045	\$1,210	\$20
Beef	Beef	Midwest	Large 1	\$2,246	\$1,838	\$200	\$1,599	\$1,461	\$40	\$1,045	\$1,350	\$20
Beef	Beef	Midwest	Large 2	\$11,409	\$7,169	\$2,660	\$3,928	\$2,817	\$660	\$1,045	\$1,350	\$20
Beef	Beef	Midwest	Medium 1	\$1,687	\$1,373	\$60	\$1,568	\$1,303	\$20	\$1,045	\$1,210	\$20
Beef	Beef	Midwest	Medium 2	\$1,757	\$1,413	\$80	\$1,637	\$1,344	\$40	\$1,045	\$1,210	\$20
Beef	Beef	Midwest	Medium 3	\$1,838	\$1,460	\$100	\$1,722	\$1,393	\$60	\$1,045	\$1,210	\$20
Beef	Beef	Pacific	Large 1	\$2,142	\$1,777	\$180	\$1,641	\$1,486	\$40	\$1,045	\$1,350	\$20
Beef	Beef	Pacific	Large 2	\$9,973	\$6,333	\$2,280	\$4,182	\$2,964	\$720	\$1,045	\$1,350	\$20
Beef	Beef	Pacific	Medium 1	\$1,664	\$1,359	\$60	\$1,576	\$1,308	\$20	\$1,045	\$1,210	\$20
Beef	Beef	Pacific	Medium 2	\$1,726	\$1,395	\$60	\$1,634	\$1,342	\$40	\$1,045	\$1,210	\$20
Beef	Beef	Pacific	Medium 3	\$1,795	\$1,436	\$80	\$1,703	\$1,382	\$60	\$1,045	\$1,210	\$20
Beef	Beef	South	Large 1	\$2,515	\$1,994	\$280	\$1,618	\$1,473	\$40	\$1,045	\$1,350	\$20

**Table A-10b (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Beef	Beef	South	Large 2	\$15,221	\$9,386	\$3,700	\$4,848	\$3,352	\$900	\$1,045	\$1,350	\$20
Beef	Beef	South	Medium 1	\$1,741	\$1,404	\$80	\$1,580	\$1,310	\$20	\$1,045	\$1,210	\$20
Beef	Beef	South	Medium 2	\$1,838	\$1,460	\$100	\$1,676	\$1,366	\$60	\$1,045	\$1,210	\$20
Beef	Beef	South	Medium 3	\$1,949	\$1,525	\$120	\$1,788	\$1,431	\$80	\$1,045	\$1,210	\$20
Dairy	Flush	Central	Large 1	\$3,543	\$2,593	\$560	\$2,046	\$1,721	\$160	\$1,045	\$1,350	\$20
Dairy	Flush	Central	Medium 1	\$1,895	\$1,494	\$120	\$1,818	\$1,449	\$100	\$1,045	\$1,210	\$20
Dairy	Flush	Central	Medium 2	\$2,138	\$1,635	\$180	\$1,707	\$1,384	\$60	\$1,045	\$1,210	\$20
Dairy	Flush	Central	Medium 3	\$2,384	\$1,778	\$240	\$1,953	\$1,527	\$120	\$1,045	\$1,210	\$20
Dairy	Flush	Mid-Atlantic	Large 1	\$3,193	\$2,389	\$460	\$1,872	\$1,620	\$100	\$1,045	\$1,350	\$20
Dairy	Flush	Mid-Atlantic	Medium 1	\$1,834	\$1,458	\$100	\$1,764	\$1,418	\$80	\$1,045	\$1,210	\$20
Dairy	Flush	Mid-Atlantic	Medium 2	\$2,034	\$1,574	\$140	\$1,657	\$1,355	\$40	\$1,045	\$1,210	\$20
Dairy	Flush	Mid-Atlantic	Medium 3	\$2,238	\$1,693	\$200	\$1,857	\$1,471	\$100	\$1,045	\$1,210	\$20
Dairy	Flush	Midwest	Large 1	\$3,351	\$2,481	\$500	\$2,030	\$1,712	\$140	\$1,045	\$1,350	\$20
Dairy	Flush	Midwest	Medium 1	\$1,861	\$1,474	\$100	\$1,791	\$1,433	\$80	\$1,045	\$1,210	\$20
Dairy	Flush	Midwest	Medium 2	\$2,080	\$1,601	\$160	\$1,703	\$1,382	\$60	\$1,045	\$1,210	\$20
Dairy	Flush	Midwest	Medium 3	\$2,303	\$1,731	\$220	\$1,922	\$1,510	\$120	\$1,045	\$1,210	\$20
Dairy	Flush	Pacific	Large 1	\$2,469	\$1,968	\$260	\$1,730	\$1,538	\$60	\$1,045	\$1,350	\$20
Dairy	Flush	Pacific	Medium 1	\$1,707	\$1,384	\$60	\$1,668	\$1,362	\$60	\$1,045	\$1,210	\$20
Dairy	Flush	Pacific	Medium 2	\$1,818	\$1,449	\$100	\$1,607	\$1,326	\$40	\$1,045	\$1,210	\$20
Dairy	Flush	Pacific	Medium 3	\$1,934	\$1,516	\$120	\$1,718	\$1,391	\$60	\$1,045	\$1,210	\$20
Dairy	Flush	South	Large 1	\$2,977	\$2,263	\$400	\$1,649	\$1,490	\$40	\$1,045	\$1,350	\$20
Dairy	Flush	South	Medium 1	\$1,795	\$1,436	\$80	\$1,726	\$1,395	\$60	\$1,045	\$1,210	\$20
Dairy	Flush	South	Medium 2	\$1,969	\$1,536	\$140	\$1,587	\$1,315	\$20	\$1,045	\$1,210	\$20
Dairy	Flush	South	Medium 3	\$2,146	\$1,639	\$180	\$1,764	\$1,418	\$80	\$1,045	\$1,210	\$20
Dairy	Hose	Central	Large 1	\$3,543	\$2,593	\$560	\$2,046	\$1,721	\$160	\$1,045	\$1,350	\$20
Dairy	Hose	Central	Medium 1	\$1,895	\$1,494	\$120	\$1,818	\$1,449	\$100	\$1,045	\$1,210	\$20

**Table A-10b (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Dairy	Hose	Central	Medium 2	\$2,138	\$1,635	\$180	\$1,707	\$1,384	\$60	\$1,045	\$1,210	\$20
Dairy	Hose	Central	Medium 3	\$2,384	\$1,778	\$240	\$1,953	\$1,527	\$120	\$1,045	\$1,210	\$20
Dairy	Hose	Mid-Atlantic	Large 1	\$3,193	\$2,389	\$460	\$1,872	\$1,620	\$100	\$1,045	\$1,350	\$20
Dairy	Hose	Mid-Atlantic	Medium 1	\$1,834	\$1,458	\$100	\$1,764	\$1,418	\$80	\$1,045	\$1,210	\$20
Dairy	Hose	Mid-Atlantic	Medium 2	\$2,034	\$1,574	\$140	\$1,657	\$1,355	\$40	\$1,045	\$1,210	\$20
Dairy	Hose	Mid-Atlantic	Medium 3	\$2,238	\$1,693	\$200	\$1,857	\$1,471	\$100	\$1,045	\$1,210	\$20
Dairy	Hose	Midwest	Large 1	\$3,351	\$2,481	\$500	\$2,030	\$1,712	\$140	\$1,045	\$1,350	\$20
Dairy	Hose	Midwest	Medium 1	\$1,861	\$1,474	\$100	\$1,791	\$1,433	\$80	\$1,045	\$1,210	\$20
Dairy	Hose	Midwest	Medium 2	\$2,080	\$1,601	\$160	\$1,703	\$1,382	\$60	\$1,045	\$1,210	\$20
Dairy	Hose	Midwest	Medium 3	\$2,303	\$1,731	\$220	\$1,922	\$1,510	\$120	\$1,045	\$1,210	\$20
Dairy	Hose	Pacific	Large 1	\$2,469	\$1,968	\$260	\$1,730	\$1,538	\$60	\$1,045	\$1,350	\$20
Dairy	Hose	Pacific	Medium 1	\$1,707	\$1,384	\$60	\$1,668	\$1,362	\$60	\$1,045	\$1,210	\$20
Dairy	Hose	Pacific	Medium 2	\$1,818	\$1,449	\$100	\$1,607	\$1,326	\$40	\$1,045	\$1,210	\$20
Dairy	Hose	Pacific	Medium 3	\$1,934	\$1,516	\$120	\$1,718	\$1,391	\$60	\$1,045	\$1,210	\$20
Dairy	Hose	South	Large 1	\$2,977	\$2,263	\$400	\$1,649	\$1,490	\$40	\$1,045	\$1,350	\$20
Dairy	Hose	South	Medium 1	\$1,795	\$1,436	\$80	\$1,726	\$1,395	\$60	\$1,045	\$1,210	\$20
Dairy	Hose	South	Medium 2	\$1,969	\$1,536	\$140	\$1,587	\$1,315	\$20	\$1,045	\$1,210	\$20
Dairy	Hose	South	Medium 3	\$2,146	\$1,639	\$180	\$1,764	\$1,418	\$80	\$1,045	\$1,210	\$20
Heifers	Heifers	Central	Large 1	\$1,830	\$1,596	\$100	\$1,795	\$1,576	\$80	\$1,045	\$1,350	\$20
Heifers	Heifers	Central	Medium 1	\$1,622	\$1,335	\$40	\$1,587	\$1,315	\$20	\$1,045	\$1,210	\$20
Heifers	Heifers	Central	Medium 2	\$1,664	\$1,359	\$60	\$1,630	\$1,339	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	Central	Medium 3	\$1,711	\$1,386	\$60	\$1,676	\$1,366	\$60	\$1,045	\$1,210	\$20
Heifers	Heifers	Mid-Atlantic	Large 1	\$1,780	\$1,567	\$80	\$1,749	\$1,549	\$80	\$1,045	\$1,350	\$20
Heifers	Heifers	Mid-Atlantic	Medium 1	\$1,607	\$1,326	\$40	\$1,576	\$1,308	\$20	\$1,045	\$1,210	\$20
Heifers	Heifers	Mid-Atlantic	Medium 2	\$1,641	\$1,346	\$40	\$1,610	\$1,328	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	Mid-Atlantic	Medium 3	\$1,680	\$1,368	\$60	\$1,653	\$1,353	\$40	\$1,045	\$1,210	\$20

**Table A-10b (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Heifers	Heifers	Midwest	Large 1	\$1,780	\$1,567	\$80	\$1,749	\$1,549	\$80	\$1,045	\$1,350	\$20
Heifers	Heifers	Midwest	Medium 1	\$1,607	\$1,326	\$40	\$1,576	\$1,308	\$20	\$1,045	\$1,210	\$20
Heifers	Heifers	Midwest	Medium 2	\$1,641	\$1,346	\$40	\$1,610	\$1,328	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	Midwest	Medium 3	\$1,680	\$1,368	\$60	\$1,653	\$1,353	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	Pacific	Large 1	\$1,691	\$1,515	\$60	\$1,672	\$1,504	\$60	\$1,045	\$1,350	\$20
Heifers	Heifers	Pacific	Medium 1	\$1,584	\$1,312	\$20	\$1,568	\$1,303	\$20	\$1,045	\$1,210	\$20
Heifers	Heifers	Pacific	Medium 2	\$1,607	\$1,326	\$40	\$1,587	\$1,315	\$20	\$1,045	\$1,210	\$20
Heifers	Heifers	Pacific	Medium 3	\$1,630	\$1,339	\$40	\$1,614	\$1,330	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	South	Large 1	\$1,780	\$1,567	\$80	\$1,749	\$1,549	\$80	\$1,045	\$1,350	\$20
Heifers	Heifers	South	Medium 1	\$1,607	\$1,326	\$40	\$1,576	\$1,308	\$20	\$1,045	\$1,210	\$20
Heifers	Heifers	South	Medium 2	\$1,641	\$1,346	\$40	\$1,614	\$1,330	\$40	\$1,045	\$1,210	\$20
Heifers	Heifers	South	Medium 3	\$1,684	\$1,371	\$60	\$1,653	\$1,353	\$40	\$1,045	\$1,210	\$20
Veal	Flush	Central	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Central	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Central	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Mid-Atlantic	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Mid-Atlantic	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Mid-Atlantic	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Midwest	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Midwest	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Midwest	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Pacific	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Pacific	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	Pacific	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	South	Medium 1	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20
Veal	Flush	South	Medium 2	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20

**Table A-10b (Continued)**

Animal	Farm Type	Region	Size Class	Category 1			Category 2			Category 3		
				Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring	Fixed	Annual	3-yr Recurring
Veal	Flush	South	Medium 3	\$1,930	\$1,514	\$120	\$1,545	\$1,290	\$20	\$1,045	\$1,210	\$20

**Table A-10c**

**Costs for Buffers for Poultry and Swine Operations  
Under Option 1 (N-Basis)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$1,486	\$922	\$462	\$287	\$0	\$0
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$3,256	\$2,020	\$815	\$505	\$0	\$0
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$473	\$293	\$236	\$146	\$0	\$0
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$665	\$413	\$308	\$191	\$0	\$0
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$1,021	\$633	\$427	\$265	\$0	\$0
Chicken	Broiler	South	Solid	Large 1	\$1,909	\$1,184	\$465	\$288	\$0	\$0
Chicken	Broiler	South	Solid	Large 2	\$3,835	\$2,378	\$770	\$478	\$0	\$0
Chicken	Broiler	South	Solid	Medium 1	\$597	\$370	\$252	\$157	\$0	\$0
Chicken	Broiler	South	Solid	Medium 2	\$839	\$520	\$288	\$179	\$0	\$0
Chicken	Broiler	South	Solid	Medium 3	\$1,289	\$800	\$404	\$251	\$0	\$0
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$5,830	\$3,616	\$232	\$144	\$0	\$0
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$17,149	\$10,637	\$299	\$186	\$0	\$0
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$722	\$448	\$422	\$261	\$0	\$0
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$1,236	\$767	\$780	\$484	\$0	\$0
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$1,573	\$976	\$1,842	\$1,142	\$0	\$0
Chicken	Layer: Dry	South	Solid	Large 1	\$5,410	\$3,355	\$232	\$144	\$0	\$0
Chicken	Layer: Dry	South	Solid	Large 2	\$15,911	\$9,869	\$299	\$186	\$0	\$0
Chicken	Layer: Dry	South	Solid	Medium 1	\$670	\$416	\$422	\$261	\$0	\$0
Chicken	Layer: Dry	South	Solid	Medium 2	\$1,147	\$711	\$780	\$484	\$0	\$0
Chicken	Layer: Dry	South	Solid	Medium 3	\$1,459	\$905	\$1,842	\$1,142	\$0	\$0

**Table A-10c (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Chicken	Layer: Wet	South	Liquid	Large 1	\$2,721	\$1,687	\$780	\$484	\$0	\$0
Chicken	Layer: Wet	South	Liquid	Medium 3	\$362	\$225	\$407	\$252	\$0	\$0
Swine	Farrow to Finish	Central	Evapor	Large 1	\$172	\$107	\$374	\$232	\$0	\$0
Swine	Farrow to Finish	Central	Evapor	Large 2	\$451	\$279	\$1,120	\$694	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 1	\$285	\$177	\$284	\$176	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 2	\$838	\$520	\$849	\$527	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 1	\$95	\$59	\$152	\$95	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 2	\$146	\$91	\$175	\$109	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 3	\$203	\$126	\$244	\$151	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Large 1	\$163	\$101	\$369	\$229	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Large 2	\$386	\$239	\$1,344	\$834	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Medium 1	\$57	\$35	\$197	\$122	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Medium 2	\$87	\$54	\$257	\$160	\$0	\$0
Swine	Farrow to Finish	Midwest	Liquid	Medium 3	\$124	\$77	\$357	\$222	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 1	\$484	\$300	\$284	\$176	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 2	\$1,425	\$884	\$849	\$527	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 1	\$162	\$100	\$158	\$98	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 2	\$249	\$154	\$182	\$113	\$0	\$0
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 3	\$345	\$214	\$252	\$156	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Large 1	\$277	\$172	\$369	\$229	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Large 2	\$656	\$407	\$1,344	\$834	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Medium 1	\$96	\$60	\$197	\$122	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Medium 2	\$147	\$91	\$257	\$160	\$0	\$0
Swine	Farrow to Finish	Midwest	Pit	Medium 3	\$210	\$130	\$357	\$222	\$0	\$0

**Table A-10c (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Swine	Grow Finish	Central	Evapor	Large 1	\$172	\$107	\$374	\$232	\$0	\$0
Swine	Grow Finish	Central	Evapor	Large 2	\$451	\$279	\$1,120	\$694	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 1	\$285	\$177	\$284	\$176	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 2	\$838	\$520	\$849	\$527	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 1	\$95	\$59	\$152	\$95	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 2	\$146	\$91	\$175	\$109	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 3	\$203	\$126	\$244	\$151	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 1	\$163	\$101	\$369	\$229	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Large 2	\$386	\$239	\$1,344	\$834	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$57	\$35	\$197	\$122	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$87	\$54	\$257	\$160	\$0	\$0
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$124	\$77	\$357	\$222	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Large 1	\$484	\$300	\$284	\$176	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Large 2	\$1,425	\$884	\$849	\$527	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 1	\$162	\$100	\$158	\$98	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 2	\$249	\$154	\$182	\$113	\$0	\$0
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 3	\$345	\$214	\$252	\$156	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Large 1	\$277	\$172	\$369	\$229	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Large 2	\$656	\$407	\$1,344	\$834	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Medium 1	\$96	\$60	\$197	\$122	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Medium 2	\$147	\$91	\$257	\$160	\$0	\$0
Swine	Grow Finish	Midwest	Pit	Medium 3	\$210	\$130	\$357	\$222	\$0	\$0
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$4,591	\$2,847	\$974	\$604	\$0	\$0
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$802	\$497	\$413	\$256	\$0	\$0

**Table A-10c (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2		Category 3	
					Capital	Annual	Capital	Annual	Capital	Annual
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$1,248	\$774	\$504	\$313	\$0	\$0
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$1,713	\$1,062	\$685	\$425	\$0	\$0
Turkey	Slaughter	Midwest	Solid	Large 1	\$3,808	\$2,362	\$974	\$604	\$0	\$0
Turkey	Slaughter	Midwest	Solid	Medium 1	\$665	\$412	\$413	\$256	\$0	\$0
Turkey	Slaughter	Midwest	Solid	Medium 2	\$1,035	\$642	\$504	\$313	\$0	\$0
Turkey	Slaughter	Midwest	Solid	Medium 3	\$1,421	\$881	\$685	\$425	\$0	\$0

**Table A-10d**

**Costs for Buffers for Poultry and Swine Operations Under Option 2, P-based Scenario**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-	Solid	Large 1	\$3,349	\$2,077	\$751	\$466
Chicken	Broiler	Mid-	Solid	Large 2	\$5,874	\$3,644	\$1,279	\$794
Chicken	Broiler	Mid-	Solid	Medium 1	\$1,062	\$659	\$390	\$242
Chicken	Broiler	Mid-	Solid	Medium 2	\$1,490	\$924	\$472	\$293
Chicken	Broiler	Mid-	Solid	Medium 3	\$2,287	\$1,419	\$661	\$410
Chicken	Broiler	South	Solid	Large 1	\$6,629	\$4,112	\$499	\$309
Chicken	Broiler	South	Solid	Large 2	\$11,628	\$7,212	\$831	\$516
Chicken	Broiler	South	Solid	Medium 1	\$2,058	\$1,276	\$280	\$174
Chicken	Broiler	South	Solid	Medium 2	\$2,861	\$1,774	\$326	\$203
Chicken	Broiler	South	Solid	Medium 3	\$4,397	\$2,727	\$451	\$280
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$22,712	\$14,087	\$232	\$144
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$66,802	\$41,435	\$299	\$186
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$2,813	\$1,745	\$422	\$261
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$4,816	\$2,987	\$780	\$484
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$6,127	\$3,800	\$2,922	\$1,813
Chicken	Layer: Dry	South	Solid	Large 1	\$21,073	\$13,071	\$232	\$144
Chicken	Layer: Dry	South	Solid	Large 2	\$61,981	\$38,444	\$299	\$186
Chicken	Layer: Dry	South	Solid	Medium 1	\$2,610	\$1,619	\$422	\$261
Chicken	Layer: Dry	South	Solid	Medium 2	\$4,468	\$2,771	\$780	\$484
Chicken	Layer: Dry	South	Solid	Medium 3	\$5,685	\$3,526	\$2,922	\$1,813

**Table A-10d (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Chicken	Layer: Wet	South	Liquid	Large 1	\$10,598	\$6,573	\$1,194	\$741
Chicken	Layer: Wet	South	Liquid	Medium 3	\$1,411	\$875	\$974	\$604
Swine	Farrow to Finish	Central	Evapor	Large 1	\$1,316	\$816	\$871	\$540
Swine	Farrow to Finish	Central	Evapor	Large 2	\$3,177	\$1,971	\$2,608	\$1,617
Swine	Farrow to Finish	Mid-	Pit	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Farrow to Finish	Mid-	Liquid	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Farrow to Finish	Mid-	Pit	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Farrow to Finish	Mid-	Liquid	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Farrow to Finish	Mid-	Pit	Medium 1	\$924	\$573	\$543	\$337
Swine	Farrow to Finish	Mid-	Liquid	Medium 1	\$924	\$573	\$543	\$337
Swine	Farrow to Finish	Mid-	Pit	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Farrow to Finish	Mid-	Liquid	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Farrow to Finish	Mid-	Pit	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Farrow to Finish	Mid-	Liquid	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Farrow to Finish	Midwest	Pit	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Farrow to Finish	Midwest	Liquid	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Farrow to Finish	Midwest	Pit	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Farrow to Finish	Midwest	Liquid	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Farrow to Finish	Midwest	Pit	Medium 1	\$581	\$361	\$524	\$325
Swine	Farrow to Finish	Midwest	Liquid	Medium 1	\$581	\$361	\$524	\$325
Swine	Farrow to Finish	Midwest	Pit	Medium 2	\$883	\$548	\$738	\$458
Swine	Farrow to Finish	Midwest	Liquid	Medium 2	\$883	\$548	\$738	\$458
Swine	Farrow to Finish	Midwest	Pit	Medium 3	\$1,269	\$787	\$1,026	\$636

**Table A-10d (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Swine	Farrow to Finish	Midwest	Liquid	Medium 3	\$1,269	\$787	\$1,026	\$636
Swine	Grow Finish	Central	Evapor	Large 1	\$1,316	\$816	\$871	\$540
Swine	Grow Finish	Central	Evapor	Large 2	\$3,177	\$1,971	\$2,608	\$1,617
Swine	Grow Finish	Mid-	Pit	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Grow Finish	Mid-	Liquid	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Grow Finish	Mid-	Pit	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Grow Finish	Mid-	Liquid	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Grow Finish	Mid-	Pit	Medium 1	\$924	\$573	\$543	\$337
Swine	Grow Finish	Mid-	Liquid	Medium 1	\$924	\$573	\$543	\$337
Swine	Grow Finish	Mid-	Pit	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Grow Finish	Mid-	Liquid	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Grow Finish	Mid-	Pit	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Grow Finish	Mid-	Liquid	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Grow Finish	Midwest	Pit	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Grow Finish	Midwest	Liquid	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Grow Finish	Midwest	Pit	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Grow Finish	Midwest	Liquid	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Grow Finish	Midwest	Pit	Medium 1	\$581	\$361	\$524	\$325
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$581	\$361	\$524	\$325
Swine	Grow Finish	Midwest	Pit	Medium 2	\$883	\$548	\$738	\$458
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$883	\$548	\$738	\$458
Swine	Grow Finish	Midwest	Pit	Medium 3	\$1,269	\$787	\$1,026	\$636
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$1,269	\$787	\$1,026	\$636

**Table A-10d (Continued)**

Animal	Farm Type	Region	Manure type	Size Class	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Turkey	Slaughter	Mid-	Solid	Large 1	\$26,116	\$16,199	\$2,011	\$1,248
Turkey	Slaughter	Mid-	Solid	Medium 1	\$4,560	\$2,829	\$758	\$470
Turkey	Slaughter	Mid-	Solid	Medium 2	\$7,101	\$4,405	\$766	\$475
Turkey	Slaughter	Mid-	Solid	Medium 3	\$9,744	\$6,044	\$1,254	\$778
Turkey	Slaughter	Midwest	Solid	Large 1	\$33,385	\$20,708	\$2,011	\$1,248
Turkey	Slaughter	Midwest	Solid	Medium 1	\$5,830	\$3,616	\$758	\$470
Turkey	Slaughter	Midwest	Solid	Medium 2	\$9,078	\$5,631	\$766	\$475
Turkey	Slaughter	Midwest	Solid	Medium 3	\$12,457	\$7,726	\$1,254	\$778

**Table A-10e**

**Costs for Buffers for Poultry and Swine Operations Under Option 2, N-based Scenario**

Animal	Farm Type	Region	Manure type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$1,486	\$922	\$462	\$287
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$3,256	\$2,020	\$815	\$505
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$473	\$293	\$236	\$146
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$665	\$413	\$308	\$191
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$1,021	\$633	\$427	\$265
Chicken	Broiler	South	Solid	Large 1	\$1,909	\$1,184	\$465	\$289
Chicken	Broiler	South	Solid	Large 2	\$3,835	\$2,379	\$768	\$476
Chicken	Broiler	South	Solid	Medium 1	\$597	\$370	\$251	\$156
Chicken	Broiler	South	Solid	Medium 2	\$839	\$520	\$287	\$178
Chicken	Broiler	South	Solid	Medium 3	\$1,289	\$800	\$402	\$249
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$5,830	\$3,616	\$232	\$144
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$17,149	\$10,637	\$299	\$186
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$722	\$448	\$422	\$261
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$1,236	\$767	\$780	\$484
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$1,573	\$976	\$1,842	\$1,142
Chicken	Layer: Dry	South	Solid	Large 1	\$5,410	\$3,355	\$232	\$144
Chicken	Layer: Dry	South	Solid	Large 2	####	\$9,869	\$299	\$186
Chicken	Layer: Dry	South	Solid	Medium 1	\$670	\$416	\$422	\$261
Chicken	Layer: Dry	South	Solid	Medium 2	\$1,147	\$711	\$780	\$484
Chicken	Layer: Dry	South	Solid	Medium 3	\$1,459	\$905	\$1,842	\$1,142
Chicken	Layer: Wet	South	Liquid	Large 1	\$2,721	\$1,687	\$780	\$484

**Table A-10e (Continued)**

Animal	Farm Type	Region	Manure type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Chicken	Layer: Wet	South	Liquid	Medium 3	\$362	\$225	\$407	\$252
Swine	Farrow to Finish	Central	Evapor	Large 1	\$172	\$107	\$374	\$232
Swine	Farrow to Finish	Central	Evapor	Large 2	\$450	\$279	\$1,119	\$694
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 1	\$484	\$300	\$284	\$176
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 1	\$285	\$177	\$284	\$176
Swine	Farrow to Finish	Mid-Atlantic	Pit	Large 2	\$1,425	\$884	\$849	\$527
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Large 2	\$838	\$520	\$849	\$527
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 1	\$162	\$100	\$161	\$100
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 1	\$95	\$59	\$155	\$96
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 2	\$249	\$154	\$184	\$114
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 2	\$146	\$91	\$178	\$110
Swine	Farrow to Finish	Mid-Atlantic	Pit	Medium 3	\$346	\$214	\$256	\$159
Swine	Farrow to Finish	Mid-Atlantic	Liquid	Medium 3	\$203	\$126	\$247	\$153
Swine	Farrow to Finish	Midwest	Pit	Large 1	\$277	\$172	\$369	\$229
Swine	Farrow to Finish	Midwest	Liquid	Large 1	\$163	\$101	\$369	\$229
Swine	Farrow to Finish	Midwest	Pit	Large 2	\$656	\$407	\$1,344	\$834
Swine	Farrow to Finish	Midwest	Liquid	Large 2	\$386	\$239	\$1,344	\$834
Swine	Farrow to Finish	Midwest	Pit	Medium 1	\$96	\$60	\$198	\$123
Swine	Farrow to Finish	Midwest	Liquid	Medium 1	\$57	\$35	\$198	\$123
Swine	Farrow to Finish	Midwest	Pit	Medium 2	\$147	\$91	\$257	\$160
Swine	Farrow to Finish	Midwest	Liquid	Medium 2	\$87	\$54	\$257	\$160
Swine	Farrow to Finish	Midwest	Pit	Medium 3	\$210	\$130	\$358	\$222
Swine	Farrow to Finish	Midwest	Liquid	Medium 3	\$124	\$77	\$358	\$222
Swine	Grow Finish	Central	Evapor	Large 1	\$172	\$107	\$374	\$232
Swine	Grow Finish	Central	Evapor	Large 2	\$450	\$279	\$1,119	\$694

**Table A-10e (Continued)**

Animal	Farm Type	Region	Manure type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Swine	Grow Finish	Mid-Atlantic	Pit	Large 1	\$484	\$300	\$284	\$176
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 1	\$285	\$177	\$284	\$176
Swine	Grow Finish	Mid-Atlantic	Pit	Large 2	\$1,425	\$884	\$849	\$527
Swine	Grow Finish	Mid-Atlantic	Liquid	Large 2	\$838	\$520	\$849	\$527
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 1	\$162	\$100	\$161	\$100
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 1	\$95	\$59	\$155	\$96
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 2	\$249	\$154	\$184	\$114
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 2	\$146	\$91	\$178	\$110
Swine	Grow Finish	Mid-Atlantic	Pit	Medium 3	\$346	\$214	\$256	\$159
Swine	Grow Finish	Mid-Atlantic	Liquid	Medium 3	\$203	\$126	\$247	\$153
Swine	Grow Finish	Midwest	Pit	Large 1	\$277	\$172	\$369	\$229
Swine	Grow Finish	Midwest	Liquid	Large 1	\$163	\$101	\$369	\$229
Swine	Grow Finish	Midwest	Pit	Large 2	\$656	\$407	\$1,344	\$834
Swine	Grow Finish	Midwest	Liquid	Large 2	\$386	\$239	\$1,344	\$834
Swine	Grow Finish	Midwest	Pit	Medium 1	\$96	\$60	\$198	\$123
Swine	Grow Finish	Midwest	Liquid	Medium 1	\$57	\$35	\$198	\$123
Swine	Grow Finish	Midwest	Pit	Medium 2	\$147	\$91	\$257	\$160
Swine	Grow Finish	Midwest	Liquid	Medium 2	\$87	\$54	\$257	\$160
Swine	Grow Finish	Midwest	Pit	Medium 3	\$210	\$130	\$358	\$222
Swine	Grow Finish	Midwest	Liquid	Medium 3	\$124	\$77	\$358	\$222
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$4,591	\$2,847	\$974	\$604
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$802	\$497	\$413	\$256
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$1,248	\$774	\$504	\$313
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$1,713	\$1,062	\$685	\$425
Turkey	Slaughter	Midwest	Solid	Large 1	\$3,808	\$2,362	\$974	\$604

**Table A-10e (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Manure type</b>	<b>Size</b>	<b>Category 1</b>		<b>Category 2</b>	
					<b>Capital</b>	<b>Annual</b>	<b>Capital</b>	<b>Annual</b>
Turkey	Slaughter	Midwest	Solid	Medium 1	\$665	\$412	\$413	\$256
Turkey	Slaughter	Midwest	Solid	Medium 2	\$1,035	\$642	\$504	\$313
Turkey	Slaughter	Midwest	Solid	Medium 3	\$1,421	\$881	\$685	\$425

**Table A-10f**

**Costs for Buffers for Poultry and Swine Operations Under Option 5, P-based Scenario**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2	
					Capital	Annual	Capital	Annual
Chicken	Broiler	Mid-	Solid	Large 1	\$3,349	\$2,077	\$751	\$466
Chicken	Broiler	Mid-	Solid	Large 2	\$5,874	\$3,644	\$1,279	\$794
Chicken	Broiler	Mid-	Solid	Medium 1	\$1,062	\$659	\$390	\$242
Chicken	Broiler	Mid-	Solid	Medium 2	\$1,490	\$924	\$472	\$293
Chicken	Broiler	Mid-	Solid	Medium 3	\$2,287	\$1,419	\$661	\$410
Chicken	Broiler	South	Solid	Large 1	\$6,629	\$4,112	\$499	\$309
Chicken	Broiler	South	Solid	Large 2	\$11,628	\$7,212	\$831	\$516
Chicken	Broiler	South	Solid	Medium 1	\$2,058	\$1,276	\$280	\$174
Chicken	Broiler	South	Solid	Medium 2	\$2,861	\$1,774	\$326	\$203
Chicken	Broiler	South	Solid	Medium 3	\$4,397	\$2,727	\$451	\$280
Chicken	Layer:	Midwest	Solid	Large 1	\$22,712	\$14,087	\$232	\$144
Chicken	Layer:	Midwest	Solid	Large 2	\$66,802	\$41,435	\$299	\$186
Chicken	Layer:	Midwest	Solid	Medium 1	\$2,813	\$1,745	\$422	\$261
Chicken	Layer:	Midwest	Solid	Medium 2	\$4,816	\$2,987	\$780	\$484
Chicken	Layer:	Midwest	Solid	Medium 3	\$6,127	\$3,800	\$2,922	\$1,813
Chicken	Layer:	South	Solid	Large 1	\$21,073	\$13,071	\$232	\$144
Chicken	Layer:	South	Solid	Large 2	\$61,981	\$38,444	\$299	\$186
Chicken	Layer:	South	Solid	Medium 1	\$2,610	\$1,619	\$422	\$261
Chicken	Layer:	South	Solid	Medium 2	\$4,468	\$2,771	\$780	\$484
Chicken	Layer:	South	Solid	Medium 3	\$5,685	\$3,526	\$2,922	\$1,813

**Table A-10f (Continued)**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2	
					Capital	Annual	Capital	Annual
Chicken	Layer:	South	Liquid	Large 1	\$10,598	\$6,573	\$1,194	\$741
Chicken	Layer:	South	Liquid	Medium 3	\$1,411	\$875	\$974	\$604
Swine	Farrow to	Central	Evapor	Large 1	\$1,316	\$816	\$871	\$540
Swine	Farrow to	Central	Evapor	Large 2	\$3,177	\$1,971	\$2,608	\$1,617
Swine	Farrow to	Mid-	Pit	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Farrow to	Mid-	Liquid	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Farrow to	Mid-	Pit	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Farrow to	Mid-	Liquid	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Farrow to	Mid-	Pit	Medium 1	\$924	\$573	\$543	\$337
Swine	Farrow to	Mid-	Liquid	Medium 1	\$924	\$573	\$543	\$337
Swine	Farrow to	Mid-	Pit	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Farrow to	Mid-	Liquid	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Farrow to	Mid-	Pit	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Farrow to	Mid-	Liquid	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Farrow to	Midwest	Pit	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Farrow to	Midwest	Liquid	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Farrow to	Midwest	Pit	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Farrow to	Midwest	Liquid	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Farrow to	Midwest	Pit	Medium 1	\$581	\$361	\$524	\$325
Swine	Farrow to	Midwest	Liquid	Medium 1	\$581	\$361	\$524	\$325
Swine	Farrow to	Midwest	Pit	Medium 2	\$883	\$548	\$738	\$458
Swine	Farrow to	Midwest	Liquid	Medium 2	\$883	\$548	\$738	\$458
Swine	Farrow to	Midwest	Pit	Medium 3	\$1,269	\$787	\$1,026	\$636
Swine	Farrow to	Midwest	Liquid	Medium 3	\$1,269	\$787	\$1,026	\$636
Swine	Grow	Central	Evapor	Large 1	\$1,316	\$816	\$871	\$540

**Table A-10f (Continued)**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2	
					Capital	Annual	Capital	Annual
Swine	Grow	Central	Evapor	Large 2	\$3,177	\$1,971	\$2,608	\$1,617
Swine	Grow	Mid-	Pit	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Grow	Mid-	Liquid	Large 1	\$2,616	\$1,623	\$630	\$391
Swine	Grow	Mid-	Pit	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Grow	Mid-	Liquid	Large 2	\$6,687	\$4,148	\$1,887	\$1,170
Swine	Grow	Mid-	Pit	Medium 1	\$924	\$573	\$543	\$337
Swine	Grow	Mid-	Liquid	Medium 1	\$924	\$573	\$543	\$337
Swine	Grow	Mid-	Pit	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Grow	Mid-	Liquid	Medium 2	\$1,408	\$873	\$467	\$290
Swine	Grow	Mid-	Pit	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Grow	Mid-	Liquid	Medium 3	\$1,975	\$1,225	\$649	\$403
Swine	Grow	Midwest	Pit	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Grow	Midwest	Liquid	Large 1	\$1,684	\$1,045	\$1,039	\$645
Swine	Grow	Midwest	Pit	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Grow	Midwest	Liquid	Large 2	\$3,431	\$2,128	\$3,218	\$1,996
Swine	Grow	Midwest	Pit	Medium 1	\$581	\$361	\$524	\$325
Swine	Grow	Midwest	Liquid	Medium 1	\$581	\$361	\$524	\$325
Swine	Grow	Midwest	Pit	Medium 2	\$883	\$548	\$738	\$458
Swine	Grow	Midwest	Liquid	Medium 2	\$883	\$548	\$738	\$458
Swine	Grow	Midwest	Pit	Medium 3	\$1,269	\$787	\$1,026	\$636
Swine	Grow	Midwest	Liquid	Medium 3	\$1,269	\$787	\$1,026	\$636
Turkey	Slaughter	Mid-	Solid	Large 1	\$26,116	\$16,199	\$2,011	\$1,248
Turkey	Slaughter	Mid-	Solid	Medium 1	\$4,560	\$2,829	\$758	\$470
Turkey	Slaughter	Mid-	Solid	Medium 2	\$7,101	\$4,405	\$766	\$475
Turkey	Slaughter	Mid-	Solid	Medium 3	\$9,744	\$6,044	\$1,254	\$778

**Table A-10f (Continued)**

Animal	Farm Type	Region	Manure type	Size	Cat 1		Cat 2	
					Capital	Annual	Capital	Annual
Turkey	Slaughter	Midwest	Solid	Large 1	\$36,006	\$22,333	\$2,011	\$1,248
Turkey	Slaughter	Midwest	Solid	Medium 1	\$5,830	\$3,616	\$758	\$470
Turkey	Slaughter	Midwest	Solid	Medium 2	\$9,078	\$5,631	\$766	\$475
Turkey	Slaughter	Midwest	Solid	Medium 3	\$12,457	\$7,726	\$1,254	\$778

**Table A-10g**

**Costs for Buffers for Poultry and Swine Operations Under Option 5, N-based Scenario**

Animal	Operation type	Region	Manure Type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Chicken	Broiler	SO	Solid	Large2	\$3,835	\$2,379	\$768	\$476
Chicken	Broiler	SO	Solid	Large1	\$1,909	\$1,184	\$465	\$289
Chicken	Broiler	SO	Solid	Medium3	\$1,289	\$800	\$402	\$249
Chicken	Broiler	SO	Solid	Medium2	\$839	\$520	\$287	\$178
Chicken	Broiler	SO	Solid	Medium1	\$597	\$370	\$251	\$156
Chicken	Broiler	MA	Solid	Large2	\$3,256	\$2,020	\$815	\$505
Chicken	Broiler	MA	Solid	Large1	\$1,486	\$922	\$462	\$287
Chicken	Broiler	MA	Solid	Medium3	\$1,021	\$633	\$427	\$265
Chicken	Broiler	MA	Solid	Medium2	\$665	\$413	\$308	\$191
Chicken	Broiler	MA	Solid	Medium1	\$473	\$293	\$236	\$146
Swine	Farrow to Finish	CE	Evapor	Large2	\$1,531	\$950	\$1,160	\$719
Swine	Farrow to Finish	CE	Evapor	Large1	\$584	\$363	\$387	\$240
Swine	Farrow to Finish	MA	Pit	Large2	\$1,425	\$884	\$849	\$527
Swine	Farrow to Finish	MA	Pit	Large1	\$484	\$300	\$284	\$176
Swine	Farrow to Finish	MA	Pit	Medium3	\$346	\$214	\$256	\$159
Swine	Farrow to Finish	MA	Pit	Medium2	\$249	\$154	\$184	\$114
Swine	Farrow to Finish	MA	Pit	Medium1	\$162	\$100	\$161	\$100
Swine	Farrow to Finish	MA	Liquid	Large2	\$2,849	\$1,767	\$849	\$527
Swine	Farrow to Finish	MA	Liquid	Large1	\$969	\$601	\$284	\$176
Swine	Farrow to Finish	MA	Liquid	Medium3	\$691	\$429	\$256	\$159
Swine	Farrow to Finish	MA	Liquid	Medium2	\$498	\$309	\$184	\$114

**Table A-10g (Continued)**

Animal	Operation type	Region	Manure Type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Swine	Farrow to Finish	MA	Liquid	Medium1	\$323	\$201	\$161	\$100
Swine	Farrow to Finish	MW	Pit	Large2	\$656	\$407	\$1,344	\$834
Swine	Farrow to Finish	MW	Pit	Large1	\$277	\$172	\$369	\$229
Swine	Farrow to Finish	MW	Pit	Medium3	\$210	\$130	\$358	\$222
Swine	Farrow to Finish	MW	Pit	Medium2	\$147	\$91	\$257	\$160
Swine	Farrow to Finish	MW	Pit	Medium1	\$96	\$60	\$198	\$123
Swine	Farrow to Finish	MW	Liquid	Large2	\$1,312	\$814	\$1,393	\$864
Swine	Farrow to Finish	MW	Liquid	Large1	\$554	\$344	\$382	\$237
Swine	Farrow to Finish	MW	Liquid	Medium3	\$420	\$261	\$371	\$230
Swine	Farrow to Finish	MW	Liquid	Medium2	\$295	\$183	\$267	\$165
Swine	Farrow to Finish	MW	Liquid	Medium1	\$193	\$120	\$198	\$123
Swine	Grow Finish	CE	Evapor	Large2	\$1,531	\$950	\$1,160	\$719
Swine	Grow Finish	CE	Evapor	Large1	\$584	\$363	\$387	\$240
Swine	Grow Finish	MA	Pit	Large2	\$1,425	\$884	\$849	\$527
Swine	Grow Finish	MA	Pit	Large1	\$484	\$300	\$284	\$176
Swine	Grow Finish	MA	Pit	Medium3	\$346	\$214	\$256	\$159
Swine	Grow Finish	MA	Pit	Medium2	\$249	\$154	\$184	\$114
Swine	Grow Finish	MA	Pit	Medium1	\$162	\$100	\$161	\$100
Swine	Grow Finish	MA	Liquid	Large2	\$2,849	\$1,767	\$849	\$527
Swine	Grow Finish	MA	Liquid	Large1	\$969	\$601	\$284	\$176
Swine	Grow Finish	MA	Liquid	Medium3	\$691	\$429	\$256	\$159
Swine	Grow Finish	MA	Liquid	Medium2	\$498	\$309	\$184	\$114
Swine	Grow Finish	MA	Liquid	Medium1	\$323	\$201	\$161	\$100
Swine	Grow Finish	MW	Pit	Large2	\$656	\$407	\$1,344	\$834

**Table A-10g (Continued)**

Animal	Operation type	Region	Manure Type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Swine	Grow Finish	MW	Pit	Large1	\$277	\$172	\$369	\$229
Swine	Grow Finish	MW	Pit	Medium3	\$210	\$130	\$358	\$222
Swine	Grow Finish	MW	Pit	Medium2	\$147	\$91	\$257	\$160
Swine	Grow Finish	MW	Pit	Medium1	\$96	\$60	\$198	\$123
Swine	Grow Finish	MW	Liquid	Large2	\$1,312	\$814	\$1,393	\$864
Swine	Grow Finish	MW	Liquid	Large1	\$554	\$344	\$382	\$237
Swine	Grow Finish	MW	Liquid	Medium3	\$420	\$261	\$371	\$230
Swine	Grow Finish	MW	Liquid	Medium2	\$295	\$183	\$267	\$165
Swine	Grow Finish	MW	Liquid	Medium1	\$193	\$120	\$198	\$123
Chicken	Layer -Dry	MW	Solid	Medium1	\$722	\$448	\$422	\$261
Chicken	Layer -Dry	MW	Solid	Medium2	\$1,236	\$767	\$780	\$484
Chicken	Layer -Dry	MW	Solid	Medium3	\$1,573	\$976	\$1,842	\$1,142
Chicken	Layer -Dry	MW	Solid	Large1	\$5,830	\$3,616	\$232	\$144
Chicken	Layer -Dry	MW	Solid	Large2	\$17,149	\$10,637	\$299	\$186
Chicken	Layer -Dry	SO	Solid	Medium1	\$670	\$416	\$422	\$261
Chicken	Layer -Dry	SO	Solid	Medium2	\$1,147	\$711	\$780	\$484
Chicken	Layer -Dry	SO	Solid	Medium3	\$1,459	\$905	\$1,842	\$1,142
Chicken	Layer -Dry	SO	Solid	Large1	\$5,410	\$3,355	\$232	\$144
Chicken	Layer -Dry	SO	Solid	Large2	\$15,911	\$9,869	\$299	\$186
Chicken	Layer -Wet	SO	Liquid	Medium3	\$1,232	\$764	\$422	\$261
Chicken	Layer -Wet	SO	Liquid	Large1	\$9,250	\$5,737	\$780	\$484
Turkey	Slaughter	MA	Solid	Medium1	\$802	\$497	\$413	\$256
Turkey	Slaughter	MA	Solid	Medium2	\$1,248	\$774	\$504	\$313
Turkey	Slaughter	MA	Solid	Medium3	\$1,713	\$1,062	\$685	\$425

**Table A-10g (Continued)**

Animal	Operation type	Region	Manure Type	Size	Category 1		Category 2	
					Capital	Annual	Capital	Annual
Turkey	Slaughter	MA	Solid	Large1	\$4,591	\$2,847	\$974	\$604
Turkey	Slaughter	MW	Solid	Medium1	\$665	\$412	\$413	\$256
Turkey	Slaughter	MW	Solid	Medium2	\$1,035	\$642	\$504	\$313
Turkey	Slaughter	MW	Solid	Medium3	\$1,421	\$881	\$685	\$425
Turkey	Slaughter	MW	Solid	Large1	\$3,808	\$2,362	\$974	\$604

**Table A-11**

**Costs for Supplemental Commercial Nitrogen  
at Dairies, Beef Feedlots, Veal and Heifer Operations  
P-Based Scenario**

Animal	Farm Type	Region	Size Class	Category 1	Category 2
				Annual Costs	Annual Costs
Beef	Beef	Central	Large 1	\$28,320	\$12,131
Beef	Beef	Central	Large 2	\$398,808	\$166,261
Beef	Beef	Central	Medium 1	\$5,698	\$3,446
Beef	Beef	Central	Medium 2	\$8,501	\$7,450
Beef	Beef	Central	Medium 3	\$11,796	\$12,158
Beef	Beef	Mid-Atlantic	Large 1	\$35,337	\$12,382
Beef	Beef	Mid-Atlantic	Large 2	\$497,622	\$168,227
Beef	Beef	Mid-Atlantic	Medium 1	\$7,110	\$3,843
Beef	Beef	Mid-Atlantic	Medium 2	\$10,607	\$8,839
Beef	Beef	Mid-Atlantic	Medium 3	\$14,719	\$14,714
Beef	Beef	Midwest	Large 1	\$36,697	\$12,859
Beef	Beef	Midwest	Large 2	\$516,770	\$174,700
Beef	Beef	Midwest	Medium 1	\$7,383	\$3,991
Beef	Beef	Midwest	Medium 2	\$11,015	\$9,179
Beef	Beef	Midwest	Medium 3	\$15,285	\$15,280
Beef	Beef	Pacific	Large 1	\$40,991	\$18,523
Beef	Beef	Pacific	Large 2	\$577,240	\$254,388
Beef	Beef	Pacific	Medium 1	\$8,247	\$5,147
Beef	Beef	Pacific	Medium 2	\$12,304	\$10,943
Beef	Beef	Pacific	Medium 3	\$17,074	\$17,757
Beef	Beef	South	Large 1	\$10,322	\$3,617
Beef	Beef	South	Large 2	\$145,356	\$49,139
Beef	Beef	South	Medium 1	\$2,077	\$1,123
Beef	Beef	South	Medium 2	\$3,098	\$2,582
Beef	Beef	South	Medium 3	\$4,299	\$4,298
Dairy	Flush	Central	Large 1	\$25,361	\$7,300
Dairy	Flush	Central	Medium 1	\$4,434	\$5,248
Dairy	Flush	Central	Medium 2	\$7,537	\$3,254
Dairy	Flush	Central	Medium 3	\$10,641	\$7,673

**Table A-11 (Continued)**

Animal	Farm Type	Region	Size Class	Category 1	Category 2
				Annual Costs	Annual Costs
Dairy	Flush	Mid-Atlantic	Large 1	\$33,456	\$7,016
Dairy	Flush	Mid-Atlantic	Medium 1	\$5,849	\$6,826
Dairy	Flush	Mid-Atlantic	Medium 2	\$9,943	\$3,614
Dairy	Flush	Mid-Atlantic	Medium 3	\$14,037	\$9,443
Dairy	Flush	Midwest	Large 1	\$36,664	\$11,599
Dairy	Flush	Midwest	Medium 1	\$6,410	\$7,627
Dairy	Flush	Midwest	Medium 2	\$10,897	\$4,976
Dairy	Flush	Midwest	Medium 3	\$15,383	\$11,365
Dairy	Flush	Pacific	Large 1	\$35,061	\$7,352
Dairy	Flush	Pacific	Medium 1	\$6,130	\$7,153
Dairy	Flush	Pacific	Medium 2	\$10,420	\$3,788
Dairy	Flush	Pacific	Medium 3	\$14,711	\$9,896
Dairy	Flush	South	Large 1	\$6,160	\$100
Dairy	Flush	South	Medium 1	\$1,077	\$1,212
Dairy	Flush	South	Medium 2	\$1,831	\$356
Dairy	Flush	South	Medium 3	\$2,585	\$1,428
Dairy	Hose	Central	Large 1	\$25,361	\$7,300
Dairy	Hose	Central	Medium 1	\$4,434	\$5,248
Dairy	Hose	Central	Medium 2	\$7,537	\$3,254
Dairy	Hose	Central	Medium 3	\$10,641	\$7,673
Dairy	Hose	Mid-Atlantic	Large 1	\$33,456	\$7,016
Dairy	Hose	Mid-Atlantic	Medium 1	\$5,849	\$6,826
Dairy	Hose	Mid-Atlantic	Medium 2	\$9,943	\$3,614
Dairy	Hose	Mid-Atlantic	Medium 3	\$14,037	\$9,443
Dairy	Hose	Midwest	Large 1	\$36,664	\$11,599
Dairy	Hose	Midwest	Medium 1	\$6,410	\$7,627
Dairy	Hose	Midwest	Medium 2	\$10,897	\$4,976
Dairy	Hose	Midwest	Medium 3	\$15,383	\$11,365
Dairy	Hose	Pacific	Large 1	\$35,061	\$7,352
Dairy	Hose	Pacific	Medium 1	\$6,130	\$7,153
Dairy	Hose	Pacific	Medium 2	\$10,420	\$3,788
Dairy	Hose	Pacific	Medium 3	\$14,711	\$9,896
Dairy	Hose	South	Large 1	\$6,160	\$100

**Table A-11 (Continued)**

Animal	Farm Type	Region	Size Class	Category 1	Category 2
				Annual Costs	Annual Costs
Dairy	Hose	South	Medium 1	\$1,077	\$1,212
Dairy	Hose	South	Medium 2	\$1,831	\$356
Dairy	Hose	South	Medium 3	\$2,585	\$1,428
Heifers	Heifers	Central	Large 1	\$6,243	\$7,639
Heifers	Heifers	Central	Medium 1	\$1,665	\$1,099
Heifers	Heifers	Central	Medium 2	\$2,601	\$2,437
Heifers	Heifers	Central	Medium 3	\$3,642	\$3,923
Heifers	Heifers	Mid-Atlantic	Large 1	\$7,881	\$9,518
Heifers	Heifers	Mid-Atlantic	Medium 1	\$2,102	\$1,261
Heifers	Heifers	Mid-Atlantic	Medium 2	\$3,284	\$2,950
Heifers	Heifers	Mid-Atlantic	Medium 3	\$4,597	\$4,827
Heifers	Heifers	Midwest	Large 1	\$7,881	\$9,518
Heifers	Heifers	Midwest	Medium 1	\$2,102	\$1,261
Heifers	Heifers	Midwest	Medium 2	\$3,284	\$2,950
Heifers	Heifers	Midwest	Medium 3	\$4,597	\$4,827
Heifers	Heifers	Pacific	Large 1	\$9,081	\$11,156
Heifers	Heifers	Pacific	Medium 1	\$2,422	\$1,642
Heifers	Heifers	Pacific	Medium 2	\$3,784	\$3,588
Heifers	Heifers	Pacific	Medium 3	\$5,297	\$5,750
Heifers	Heifers	South	Large 1	\$2,224	\$2,686
Heifers	Heifers	South	Medium 1	\$593	\$356
Heifers	Heifers	South	Medium 2	\$927	\$833
Heifers	Heifers	South	Medium 3	\$1,297	\$1,362
Veal	Flush	Central	Medium 1	\$0	\$0
Veal	Flush	Central	Medium 2	\$0	\$0
Veal	Flush	Central	Medium 3	\$0	\$0
Veal	Flush	Mid-Atlantic	Medium 1	\$0	\$0
Veal	Flush	Mid-Atlantic	Medium 2	\$0	\$0
Veal	Flush	Mid-Atlantic	Medium 3	\$0	\$0
Veal	Flush	Midwest	Medium 1	\$0	\$0
Veal	Flush	Midwest	Medium 2	\$0	\$0
Veal	Flush	Midwest	Medium 3	\$0	\$0
Veal	Flush	Pacific	Medium 1	\$0	\$0

**Table A-11 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Category 1</b>	<b>Category 2</b>
				<b>Annual Costs</b>	<b>Annual Costs</b>
Veal	Flush	Pacific	Medium 2	\$0	\$0
Veal	Flush	Pacific	Medium 3	\$0	\$0
Veal	Flush	South	Medium 1	\$0	\$0
Veal	Flush	South	Medium 2	\$0	\$0
Veal	Flush	South	Medium 3	\$0	\$0

**Table A-12a**

**Costs for Liquid Land Application at Dairies, Beef Feedlots, and Heifer Operations  
P-Based Scenario**

Animal	Farm Type	Region	Size Class	Category 1		Category 2		Category 3	
				Capital	Annual	Capital	Annual	Capital	Annual
Beef	Beef	Central	Large 1	\$59,036	\$3,457	\$59,036	\$3,457	\$0	\$0
Beef	Beef	Central	Large 2	\$245,427	\$13,915	\$245,427	\$13,915	\$0	\$0
Beef	Beef	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Central	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Central	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Mid-Atlantic	Large 1	\$67,596	\$6,917	\$67,596	\$6,917	\$0	\$0
Beef	Beef	Mid-Atlantic	Large 2	\$975,615	\$17,375	\$975,615	\$17,375	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 1	\$56,561	\$577	\$56,561	\$577	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 2	\$57,651	\$2,159	\$57,651	\$2,159	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 3	\$59,033	\$3,454	\$59,033	\$3,454	\$0	\$0
Beef	Beef	Midwest	Large 1	\$61,405	\$4,885	\$61,405	\$4,885	\$0	\$0
Beef	Beef	Midwest	Large 2	\$414,548	\$15,343	\$414,548	\$15,343	\$0	\$0
Beef	Beef	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Midwest	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Midwest	Medium 3	\$57,079	\$1,422	\$57,079	\$1,422	\$0	\$0
Beef	Beef	Pacific	Large 1	\$67,107	\$6,801	\$67,107	\$6,801	\$0	\$0
Beef	Beef	Pacific	Large 2	\$926,679	\$17,259	\$926,679	\$17,259	\$0	\$0
Beef	Beef	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Pacific	Medium 2	\$57,552	\$2,043	\$57,552	\$2,043	\$0	\$0
Beef	Beef	Pacific	Medium 3	\$58,885	\$3,338	\$58,885	\$3,338	\$0	\$0
Beef	Beef	South	Large 1	\$62,783	\$5,480	\$62,783	\$5,480	\$0	\$0
Beef	Beef	South	Large 2	\$526,675	\$15,938	\$526,675	\$15,938	\$0	\$0
Beef	Beef	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0

**Table A-12a (Continued)**

Animal	Farm Type	Region	Size Class	Category 1		Category 2		Category 3	
				Capital	Annual	Capital	Annual	Capital	Annual
Beef	Beef	South	Medium 2	\$56,641	\$722	\$56,641	\$722	\$0	\$0
Beef	Beef	South	Medium 3	\$57,531	\$2,017	\$57,531	\$2,017	\$0	\$0
Dairy	Hose	Central	Large 1	\$56,657	\$750	\$56,657	\$750	\$0	\$0
Dairy	Hose	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Central	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Central	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Mid-Atlantic	Large 1	\$61,638	\$4,994	\$61,638	\$4,994	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 2	\$56,658	\$751	\$56,658	\$751	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 3	\$57,482	\$1,958	\$57,482	\$1,958	\$0	\$0
Dairy	Hose	Midwest	Large 1	\$58,289	\$2,823	\$58,289	\$2,823	\$0	\$0
Dairy	Hose	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Midwest	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Midwest	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Large 1	\$58,631	\$3,129	\$58,631	\$3,129	\$0	\$0
Dairy	Hose	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Large 1	\$57,332	\$1,767	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Large 1	\$57,863	\$2,394	\$57,863	\$2,394	\$0	\$0
Heifers	Heifers	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Large 1	\$70,782	\$7,571	\$70,782	\$7,571	\$0	\$0

**Table A-12a (Continued)**

Animal	Farm Type	Region	Size Class	Category 1		Category 2		Category 3	
				Capital	Annual	Capital	Annual	Capital	Annual
Heifers	Heifers	Mid-Atlantic	Medium 1	\$57,816	\$2,344	\$57,816	\$2,344	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 1	\$57,816	\$2,344	\$57,816	\$2,344	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 2	\$59,981	\$4,109	\$59,981	\$4,109	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 3	\$62,680	\$5,439	\$62,680	\$5,439	\$0	\$0
Heifers	Heifers	Midwest	Large 1	\$61,625	\$4,988	\$61,625	\$4,988	\$0	\$0
Heifers	Heifers	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Medium 2	\$57,153	\$1,527	\$57,153	\$1,527	\$0	\$0
Heifers	Heifers	Midwest	Medium 3	\$58,326	\$2,857	\$58,326	\$2,857	\$0	\$0
Heifers	Heifers	Pacific	Large 1	\$63,482	\$5,740	\$63,482	\$5,740	\$0	\$0
Heifers	Heifers	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Medium 2	\$57,757	\$2,279	\$57,757	\$2,279	\$0	\$0
Heifers	Heifers	Pacific	Medium 3	\$59,239	\$3,609	\$59,239	\$3,609	\$0	\$0
Heifers	Heifers	South	Large 1	\$60,506	\$4,419	\$60,506	\$4,419	\$0	\$0
Heifers	Heifers	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	South	Medium 2	\$56,779	\$958	\$56,779	\$958	\$0	\$0
Heifers	Heifers	South	Medium 3	\$57,765	\$2,288	\$57,765	\$2,288	\$0	\$0

**Table A-12b**

**Costs for Liquid Land Application at Dairies, Beef Feedlots, and Heifer Operations  
N-Based Scenario**

Animal	Farm Type	Region	Size Class	Category 1		Category 2		Category 3	
				Capital	Annual	Capital	Annual	Capital	Annual
Beef	Beef	Central	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Central	Large 2	\$91,590	\$9,882	\$91,590	\$9,882	\$0	\$0
Beef	Beef	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Central	Medium 2	\$26,848	\$11,333	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Central	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Mid-Atlantic	Large 1	\$61,187	\$4,778	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Mid-Atlantic	Large 2	\$397,647	\$15,236	\$138,377	\$11,967	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 2	\$26,848	\$7,058	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 3	\$57,007	\$1,316	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Midwest	Large 1	\$26,848	\$4,793	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Midwest	Large 2	\$95,867	\$10,172	\$95,867	\$10,172	\$0	\$0
Beef	Beef	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Midwest	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Midwest	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Pacific	Large 1	\$57,198	\$1,589	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Pacific	Large 2	\$141,168	\$12,047	\$141,168	\$12,047	\$0	\$0
Beef	Beef	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Pacific	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	Pacific	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	South	Large 1	\$60,250	\$4,272	\$26,848	\$1,342	\$0	\$0
Beef	Beef	South	Large 2	\$327,934	\$14,730	\$226,664	\$13,677	\$0	\$0
Beef	Beef	South	Medium 1	\$26,848	\$2,835	\$26,848	\$1,342	\$0	\$0

**Table A-12b (Continued)**

Animal	Farm Type	Region	Size Class	Category 1		Category 2		Category 3	
				Capital	Annual	Capital	Annual	Capital	Annual
Beef	Beef	South	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Beef	Beef	South	Medium 3	\$56,691	\$809	\$56,691	\$809	\$0	\$0
Dairy	Hose	Central	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Central	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Central	Medium 3	\$26,848	\$0	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Mid-Atlantic	Large 1	\$56,920	\$1,184	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Midwest	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Midwest	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Midwest	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	Pacific	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Large 1	\$56,552	\$559	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Dairy	Hose	South	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Central	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Large 1	\$59,390	\$3,718	\$57,968	\$2,506	\$0	\$0

**Table A-12b (Continued)**

Animal	Farm Type	Region	Size Class	Category 1		Category 2		Category 3	
				Capital	Annual	Capital	Annual	Capital	Annual
Heifers	Heifers	Mid-Atlantic	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 3	\$57,196	\$1,586	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Midwest	Medium 3	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Large 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Medium 2	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	Pacific	Medium 3	\$26,848	\$2,898	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	South	Large 1	\$58,729	\$3,211	\$58,133	\$2,672	\$0	\$0
Heifers	Heifers	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	South	Medium 1	\$26,848	\$1,342	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	South	Medium 2	\$26,848	\$2,907	\$26,848	\$1,342	\$0	\$0
Heifers	Heifers	South	Medium 3	\$56,854	\$1,080	\$26,848	\$1,342	\$0	\$0

**Table A-13a**

**Transportation Costs for Dairies, Beef Feedlots, and Heifer Operations  
N-Based Scenario**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Beef	Beef	Central	Large 1	\$211	\$0	\$11,925	\$351	\$0	\$0
Beef	Beef	Central	Large 2	\$2,437	\$0	\$31,337	\$1,463	\$0	\$0
Beef	Beef	Central	Medium 1	\$292	\$0	\$91,728	\$485	\$0	\$0
Beef	Beef	Central	Medium 2	\$292	\$0	\$91,728	\$485	\$0	\$0
Beef	Beef	Central	Medium 3	\$292	\$0	\$91,728	\$485	\$0	\$0
Beef	Beef	Mid-Atlantic	Large 1	\$26,762	\$0	\$123,193	\$11,110	\$0	\$0
Beef	Beef	Mid-Atlantic	Large 2	\$50,170	\$0	\$172,471	\$21,270	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 1	\$6,217	\$0	\$137,272	\$5,749	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 2	\$154	\$0	\$71,548	\$340	\$0	\$0
Beef	Beef	Mid-Atlantic	Medium 3	\$154	\$0	\$71,548	\$340	\$0	\$0
Beef	Beef	Midwest	Large 1	\$1,959	\$0	\$13,951	\$827	\$0	\$0
Beef	Beef	Midwest	Large 2	\$768	\$0	\$14,463	\$538	\$0	\$0
Beef	Beef	Midwest	Medium 1	\$199	\$0	\$91,728	\$404	\$0	\$0
Beef	Beef	Midwest	Medium 2	\$199	\$0	\$91,728	\$404	\$0	\$0
Beef	Beef	Midwest	Medium 3	\$199	\$0	\$91,728	\$404	\$0	\$0
Beef	Beef	Pacific	Large 1	\$105,427	\$0	\$373,312	\$34,490	\$0	\$0
Beef	Beef	Pacific	Large 2	\$25,954	\$0	\$241,054	\$15,118	\$0	\$0
Beef	Beef	Pacific	Medium 1	\$2,243	\$0	\$175,990	\$1,864	\$0	\$0
Beef	Beef	Pacific	Medium 2	\$404	\$0	\$91,728	\$642	\$0	\$0
Beef	Beef	Pacific	Medium 3	\$404	\$0	\$91,728	\$642	\$0	\$0

**Table A-13a (Continued)**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Beef	Beef	South	Large 1	\$111,475	\$0	\$373,312	\$44,213	\$0	\$0
Beef	Beef	South	Large 2	\$489,829	\$0	\$522,638	\$191,595	\$0	\$0
Beef	Beef	South	Medium 1	\$13,323	\$0	\$204,789	\$8,042	\$0	\$0
Beef	Beef	South	Medium 2	\$232	\$0	\$91,728	\$491	\$0	\$0
Beef	Beef	South	Medium 3	\$232	\$0	\$91,728	\$491	\$0	\$0
Dairy	Flush	Central	Large 1	\$68,850	\$0	\$171,724	\$21,932	\$0	\$0
Dairy	Flush	Central	Medium 1	\$40	\$0	\$91,728	\$77	\$0	\$0
Dairy	Flush	Central	Medium 2	\$64,177	\$0	\$373,312	\$20,383	\$0	\$0
Dairy	Flush	Central	Medium 3	\$220	\$0	\$91,728	\$383	\$0	\$0
Dairy	Flush	Mid-Atlantic	Large 1	\$116,295	\$0	\$287,450	\$46,432	\$0	\$0
Dairy	Flush	Mid-Atlantic	Medium 1	\$20	\$0	\$75,217	\$55	\$0	\$0
Dairy	Flush	Mid-Atlantic	Medium 2	\$44,882	\$0	\$306,116	\$17,911	\$0	\$0
Dairy	Flush	Mid-Atlantic	Medium 3	\$6,928	\$0	\$144,312	\$6,344	\$0	\$0
Dairy	Flush	Midwest	Large 1	\$25,500	\$0	\$126,926	\$9,644	\$0	\$0
Dairy	Flush	Midwest	Medium 1	\$23	\$0	\$91,728	\$55	\$0	\$0
Dairy	Flush	Midwest	Medium 2	\$33,928	\$0	\$232,520	\$12,756	\$0	\$0
Dairy	Flush	Midwest	Medium 3	\$127	\$0	\$91,728	\$257	\$0	\$0
Dairy	Flush	Pacific	Large 1	\$350,409	\$0	\$373,312	\$107,079	\$0	\$0
Dairy	Flush	Pacific	Medium 1	\$56	\$0	\$91,728	\$112	\$0	\$0
Dairy	Flush	Pacific	Medium 2	\$126,522	\$0	\$373,312	\$38,659	\$0	\$0
Dairy	Flush	Pacific	Medium 3	\$22,204	\$0	\$204,789	\$10,463	\$0	\$0
Dairy	Flush	South	Large 1	\$151,226	\$0	\$201,588	\$58,065	\$0	\$0
Dairy	Flush	South	Medium 1	\$37	\$0	\$91,728	\$88	\$0	\$0
Dairy	Flush	South	Medium 2	\$93,973	\$0	\$373,312	\$36,080	\$0	\$0

**Table A-13a (Continued)**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Dairy	Flush	South	Medium 3	\$57,589	\$0	\$373,312	\$22,238	\$0	\$0
Dairy	Hose	Central	Large 1	\$1,050	\$0	\$42,195	\$1,736	\$0	\$0
Dairy	Hose	Central	Medium 1	\$120	\$0	\$91,728	\$204	\$0	\$0
Dairy	Hose	Central	Medium 2	\$662	\$0	\$91,728	\$1,097	\$0	\$0
Dairy	Hose	Central	Medium 3	\$660	\$0	\$91,728	\$1,097	\$0	\$0
Dairy	Hose	Mid-Atlantic	Large 1	\$978	\$0	\$70,631	\$2,128	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 1	\$55	\$0	\$75,217	\$124	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 2	\$302	\$0	\$75,217	\$659	\$0	\$0
Dairy	Hose	Mid-Atlantic	Medium 3	\$302	\$0	\$75,217	\$659	\$0	\$0
Dairy	Hose	Midwest	Large 1	\$452	\$0	\$31,188	\$911	\$0	\$0
Dairy	Hose	Midwest	Medium 1	\$70	\$0	\$91,728	\$147	\$0	\$0
Dairy	Hose	Midwest	Medium 2	\$385	\$0	\$91,728	\$789	\$0	\$0
Dairy	Hose	Midwest	Medium 3	\$384	\$0	\$91,728	\$789	\$0	\$0
Dairy	Hose	Pacific	Large 1	\$2,901	\$0	\$91,728	\$4,630	\$0	\$0
Dairy	Hose	Pacific	Medium 1	\$153	\$0	\$91,728	\$251	\$0	\$0
Dairy	Hose	Pacific	Medium 2	\$842	\$0	\$91,728	\$1,339	\$0	\$0
Dairy	Hose	Pacific	Medium 3	\$840	\$0	\$91,728	\$1,339	\$0	\$0
Dairy	Hose	South	Large 1	\$5,267	\$0	\$95,035	\$5,609	\$0	\$0
Dairy	Hose	South	Medium 1	\$87	\$0	\$91,728	\$193	\$0	\$0
Dairy	Hose	South	Medium 2	\$478	\$0	\$91,728	\$1,000	\$0	\$0
Dairy	Hose	South	Medium 3	\$477	\$0	\$91,728	\$1,000	\$0	\$0
Heifers	Heifers	Central	Large 1	\$164	\$0	\$91,728	\$281	\$0	\$0
Heifers	Heifers	Central	Medium 1	\$164	\$0	\$91,728	\$281	\$0	\$0
Heifers	Heifers	Central	Medium 2	\$164	\$0	\$91,728	\$281	\$0	\$0

**Table A-13a (Continued)**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Heifers	Heifers	Central	Medium 3	\$75	\$0	\$42,195	\$129	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Large 1	\$345	\$0	\$75,217	\$756	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 1	\$7,213	\$0	\$144,312	\$6,612	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 2	\$5,289	\$0	\$144,312	\$4,978	\$0	\$0
Heifers	Heifers	Mid-Atlantic	Medium 3	\$2,960	\$0	\$135,512	\$2,966	\$0	\$0
Heifers	Heifers	Midwest	Large 1	\$141	\$0	\$91,728	\$294	\$0	\$0
Heifers	Heifers	Midwest	Medium 1	\$141	\$0	\$91,728	\$294	\$0	\$0
Heifers	Heifers	Midwest	Medium 2	\$141	\$0	\$91,728	\$294	\$0	\$0
Heifers	Heifers	Midwest	Medium 3	\$48	\$0	\$31,188	\$100	\$0	\$0
Heifers	Heifers	Pacific	Large 1	\$779	\$0	\$91,728	\$1,255	\$0	\$0
Heifers	Heifers	Pacific	Medium 1	\$17,759	\$0	\$175,990	\$12,116	\$0	\$0
Heifers	Heifers	Pacific	Medium 2	\$11,172	\$0	\$175,990	\$7,883	\$0	\$0
Heifers	Heifers	Pacific	Medium 3	\$3,852	\$0	\$175,990	\$3,212	\$0	\$0
Heifers	Heifers	South	Large 1	\$14,677	\$0	\$204,789	\$9,406	\$0	\$0
Heifers	Heifers	South	Medium 1	\$14,287	\$0	\$204,789	\$8,546	\$0	\$0
Heifers	Heifers	South	Medium 2	\$14,367	\$0	\$204,789	\$8,721	\$0	\$0
Heifers	Heifers	South	Medium 3	\$7,806	\$0	\$110,586	\$4,814	\$0	\$0

**Table A-13b**

**Transportation Costs for Dairies, Beef Feedlots, and Heifer Operations  
P-Based Scenario**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Beef	Beef	Central	Large 2	\$22,683	\$242,144	\$366,914	\$29,896	\$522,638	\$201,146
Beef	Beef	Central	Medium 1	\$319	\$3,460	\$91,728	\$788	\$175,990	\$6,592
Beef	Beef	Central	Medium 2	\$459	\$5,161	\$91,728	\$1,096	\$175,990	\$9,837
Beef	Beef	Central	Medium 3	\$611	\$7,162	\$91,728	\$1,473	\$204,789	\$9,474
Beef	Beef	Mid-Atlantic	Large 1	\$3,011	\$249,971	\$91,728	\$6,389	\$373,312	\$140,500
Beef	Beef	Mid-Atlantic	Large 2	\$42,423	\$3,520,113	\$388,045	\$34,470	\$623,549	\$1,931,239
Beef	Beef	Mid-Atlantic	Medium 1	\$601	\$50,293	\$91,728	\$1,300	\$373,312	\$28,377
Beef	Beef	Mid-Atlantic	Medium 2	\$875	\$75,032	\$91,728	\$1,866	\$373,312	\$42,249
Beef	Beef	Mid-Atlantic	Medium 3	\$1,181	\$104,120	\$91,728	\$2,544	\$373,312	\$58,605
Beef	Beef	Midwest	Large 1	\$983	\$18,302	\$91,728	\$2,678	\$373,312	\$19,654
Beef	Beef	Midwest	Large 2	\$13,857	\$257,736	\$241,054	\$13,620	\$522,638	\$262,078
Beef	Beef	Midwest	Medium 1	\$196	\$3,682	\$91,728	\$550	\$175,990	\$8,728
Beef	Beef	Midwest	Medium 2	\$284	\$5,494	\$91,728	\$789	\$204,789	\$8,828
Beef	Beef	Midwest	Medium 3	\$381	\$7,624	\$91,728	\$1,052	\$232,520	\$8,204
Beef	Beef	Pacific	Large 1	\$2,116	\$97,185	\$91,728	\$4,728	\$373,312	\$67,847
Beef	Beef	Pacific	Large 2	\$29,805	\$1,368,575	\$308,531	\$25,265	\$522,638	\$932,305
Beef	Beef	Pacific	Medium 1	\$422	\$19,553	\$91,728	\$971	\$232,520	\$13,662
Beef	Beef	Pacific	Medium 2	\$615	\$29,171	\$91,728	\$1,393	\$373,312	\$20,404
Beef	Beef	Pacific	Medium 3	\$830	\$40,481	\$91,728	\$1,857	\$373,312	\$28,312
Beef	Beef	South	Large 1	\$1,436	\$100,979	\$91,728	\$3,512	\$373,312	\$71,532

**Table A-13b (Continued)**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Beef	Beef	South	Large 2	\$20,226	\$1,421,992	\$366,914	\$27,423	\$522,638	\$985,305
Beef	Beef	South	Medium 1	\$287	\$20,317	\$91,728	\$715	\$317,850	\$21,522
Beef	Beef	South	Medium 2	\$423	\$30,310	\$91,728	\$1,057	\$373,312	\$21,482
Beef	Beef	South	Medium 3	\$578	\$42,061	\$91,728	\$1,429	\$373,312	\$29,842
Dairy	Flush	Central	Large 1	\$30,400	\$130,758	\$373,312	\$46,494	\$373,312	\$106,031
Dairy	Flush	Central	Medium 1	\$86	\$27,702	\$91,728	\$206	\$373,312	\$22,447
Dairy	Flush	Central	Medium 2	\$167	\$46,434	\$91,728	\$411	\$373,312	\$37,634
Dairy	Flush	Central	Medium 3	\$231	\$65,166	\$91,728	\$548	\$373,312	\$52,821
Dairy	Flush	Mid-Atlantic	Large 1	\$155,619	\$654,692	\$373,312	\$215,206	\$373,312	\$357,293
Dairy	Flush	Mid-Atlantic	Medium 1	\$159	\$136,465	\$91,728	\$339	\$373,312	\$74,441
Dairy	Flush	Mid-Atlantic	Medium 2	\$29,181	\$228,995	\$373,312	\$40,520	\$373,312	\$124,903
Dairy	Flush	Mid-Atlantic	Medium 3	\$430	\$321,525	\$91,728	\$961	\$373,312	\$175,483
Dairy	Flush	Midwest	Large 1	\$11,938	\$85,794	\$373,312	\$20,683	\$373,312	\$86,216
Dairy	Flush	Midwest	Medium 1	\$51	\$18,080	\$91,728	\$143	\$373,312	\$18,155
Dairy	Flush	Midwest	Medium 2	\$101	\$30,317	\$91,728	\$287	\$373,312	\$30,464
Dairy	Flush	Midwest	Medium 3	\$139	\$42,554	\$91,728	\$383	\$373,312	\$42,742
Dairy	Flush	Pacific	Large 1	\$112,021	\$238,216	\$373,312	\$162,410	\$373,312	\$161,642
Dairy	Flush	Pacific	Medium 1	\$118	\$49,569	\$91,728	\$296	\$373,312	\$33,631
Dairy	Flush	Pacific	Medium 2	\$21,260	\$83,189	\$373,312	\$30,971	\$373,312	\$56,425
Dairy	Flush	Pacific	Medium 3	\$305	\$116,809	\$91,728	\$718	\$373,312	\$79,220
Dairy	Flush	South	Large 1	\$145,283	\$228,210	\$373,312	\$225,972	\$373,312	\$157,624
Dairy	Flush	South	Medium 1	\$83	\$47,380	\$91,728	\$218	\$373,312	\$32,736
Dairy	Flush	South	Medium 2	\$35,063	\$79,527	\$373,312	\$54,623	\$373,312	\$54,904
Dairy	Flush	South	Medium 3	\$4,287	\$111,674	\$175,990	\$14,336	\$373,312	\$77,121

**Table A-13b (Continued)**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Dairy	Hose	Central	Large 1	\$2,759	\$9,024	\$91,728	\$6,543	\$204,789	\$13,725
Dairy	Hose	Central	Medium 1	\$399	\$2,562	\$91,728	\$959	\$175,990	\$5,099
Dairy	Hose	Central	Medium 2	\$813	\$3,658	\$91,728	\$1,953	\$175,990	\$7,386
Dairy	Hose	Central	Medium 3	\$1,118	\$4,754	\$91,728	\$2,672	\$175,990	\$9,656
Dairy	Hose	Mid-Atlantic	Large 1	\$5,122	\$101,353	\$91,728	\$10,855	\$373,312	\$63,076
Dairy	Hose	Mid-Atlantic	Medium 1	\$735	\$22,194	\$91,728	\$1,583	\$232,520	\$13,507
Dairy	Hose	Mid-Atlantic	Medium 2	\$1,510	\$34,560	\$91,728	\$3,223	\$317,850	\$30,204
Dairy	Hose	Mid-Atlantic	Medium 3	\$2,073	\$46,926	\$91,728	\$4,410	\$373,312	\$28,924
Dairy	Hose	Midwest	Large 1	\$1,667	\$8,327	\$91,728	\$4,544	\$232,520	\$10,639
Dairy	Hose	Midwest	Medium 1	\$235	\$2,082	\$91,728	\$646	\$175,990	\$5,136
Dairy	Hose	Midwest	Medium 2	\$491	\$3,096	\$91,728	\$1,339	\$175,990	\$7,715
Dairy	Hose	Midwest	Medium 3	\$672	\$4,110	\$91,728	\$1,841	\$175,990	\$10,281
Dairy	Hose	Pacific	Large 1	\$3,621	\$39,014	\$91,728	\$8,105	\$373,312	\$30,134
Dairy	Hose	Pacific	Medium 1	\$562	\$8,431	\$91,728	\$1,266	\$204,789	\$9,211
Dairy	Hose	Pacific	Medium 2	\$1,071	\$13,193	\$91,728	\$2,406	\$232,520	\$10,043
Dairy	Hose	Pacific	Medium 3	\$1,488	\$17,954	\$91,728	\$3,335	\$232,520	\$13,726
Dairy	Hose	South	Large 1	\$23,402	\$40,075	\$373,312	\$38,533	\$373,312	\$31,200
Dairy	Hose	South	Medium 1	\$401	\$8,527	\$91,728	\$994	\$204,789	\$9,461
Dairy	Hose	South	Medium 2	\$727	\$13,419	\$91,728	\$1,802	\$232,520	\$10,339
Dairy	Hose	South	Medium 3	\$1,017	\$18,311	\$91,728	\$2,486	\$232,520	\$14,133
Heifers	Heifers	Central	Large 1	\$790	\$13,101	\$91,728	\$1,884	\$232,520	\$11,578
Heifers	Heifers	Central	Medium 1	\$255	\$3,494	\$91,728	\$617	\$175,990	\$6,612
Heifers	Heifers	Central	Medium 2	\$381	\$5,459	\$91,728	\$925	\$175,990	\$10,306
Heifers	Heifers	Central	Medium 3	\$511	\$7,642	\$91,728	\$1,233	\$204,789	\$9,941

**Table A-13b (Continued)**

Animal	Farm Type	Region	Size Class	Contract Hauling Costs		Purchase Truck Costs			
				Category 2	Category 3	Category 2		Category 3	
				Annual	Annual	Capital	Annual	Capital	Annual
Heifers	Heifers	Mid-Atlantic	Large 1	\$1,572	\$190,930	\$91,728	\$3,336	\$373,312	\$106,624
Heifers	Heifers	Mid-Atlantic	Medium 1	\$484	\$50,915	\$91,728	\$1,074	\$373,312	\$28,537
Heifers	Heifers	Mid-Atlantic	Medium 2	\$733	\$79,554	\$91,728	\$1,583	\$373,312	\$44,468
Heifers	Heifers	Mid-Atlantic	Medium 3	\$993	\$111,376	\$91,728	\$2,148	\$373,312	\$62,203
Heifers	Heifers	Midwest	Large 1	\$487	\$13,965	\$91,728	\$1,339	\$373,312	\$14,792
Heifers	Heifers	Midwest	Medium 1	\$156	\$3,724	\$91,728	\$430	\$175,990	\$8,785
Heifers	Heifers	Midwest	Medium 2	\$234	\$5,819	\$91,728	\$646	\$204,789	\$9,282
Heifers	Heifers	Midwest	Medium 3	\$314	\$8,146	\$91,728	\$861	\$232,520	\$8,623
Heifers	Heifers	Pacific	Large 1	\$1,159	\$74,238	\$91,728	\$2,617	\$373,312	\$51,494
Heifers	Heifers	Pacific	Medium 1	\$340	\$19,797	\$91,728	\$760	\$232,520	\$13,756
Heifers	Heifers	Pacific	Medium 2	\$521	\$30,932	\$91,728	\$1,182	\$373,312	\$21,497
Heifers	Heifers	Pacific	Medium 3	\$713	\$43,305	\$91,728	\$1,604	\$373,312	\$30,072
Heifers	Heifers	South	Large 1	\$824	\$77,143	\$91,728	\$2,020	\$373,312	\$54,346
Heifers	Heifers	South	Medium 1	\$1,793	\$20,571	\$175,990	\$5,886	\$317,850	\$21,721
Heifers	Heifers	South	Medium 2	\$357	\$32,143	\$91,728	\$901	\$373,312	\$22,684
Heifers	Heifers	South	Medium 3	\$494	\$45,000	\$91,728	\$1,212	\$373,312	\$31,684

**Table A-14****Costs for Concrete Pads for Beef, Dairy, Heifer, and Veal Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Central	Large 1	\$134,541	\$2,691
Beef	Beef	Central	Large 2	\$1,730,701	\$34,614
Beef	Beef	Central	Medium 1	\$31,232	\$625
Beef	Beef	Central	Medium 2	\$44,504	\$890
Beef	Beef	Central	Medium 3	\$59,816	\$1,196
Beef	Beef	Mid-Atlantic	Large 1	\$132,317	\$2,646
Beef	Beef	Mid-Atlantic	Large 2	\$1,700,762	\$34,015
Beef	Beef	Mid-Atlantic	Medium 1	\$30,751	\$615
Beef	Beef	Mid-Atlantic	Medium 2	\$43,803	\$876
Beef	Beef	Mid-Atlantic	Medium 3	\$58,859	\$1,177
Beef	Beef	Midwest	Large 1	\$133,861	\$2,677
Beef	Beef	Midwest	Large 2	\$1,721,541	\$34,431
Beef	Beef	Midwest	Medium 1	\$31,085	\$622
Beef	Beef	Midwest	Medium 2	\$44,290	\$886
Beef	Beef	Midwest	Medium 3	\$59,523	\$1,190
Beef	Beef	Pacific	Large 1	\$132,058	\$2,641
Beef	Beef	Pacific	Large 2	\$1,697,279	\$33,946
Beef	Beef	Pacific	Medium 1	\$30,695	\$614
Beef	Beef	Pacific	Medium 2	\$43,722	\$874
Beef	Beef	Pacific	Medium 3	\$58,747	\$1,175
Beef	Beef	South	Large 1	\$131,707	\$2,634
Beef	Beef	South	Large 2	\$1,692,566	\$33,851
Beef	Beef	South	Medium 1	\$30,620	\$612
Beef	Beef	South	Medium 2	\$43,611	\$872
Beef	Beef	South	Medium 3	\$58,596	\$1,172
Dairy	Flush	Central	Large 1	\$93,642	\$1,873
Dairy	Flush	Central	Medium 1	\$21,276	\$426
Dairy	Flush	Central	Medium 2	\$32,762	\$655
Dairy	Flush	Central	Medium 3	\$43,796	\$876
Dairy	Flush	Mid-Atlantic	Large 1	\$93,642	\$1,873
Dairy	Flush	Mid-Atlantic	Medium 1	\$21,276	\$426
Dairy	Flush	Mid-Atlantic	Medium 2	\$32,762	\$655
Dairy	Flush	Mid-Atlantic	Medium 3	\$43,796	\$876

**Table A-14 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Midwest	Large 1	\$93,642	\$1,873
Dairy	Flush	Midwest	Medium 1	\$21,276	\$426
Dairy	Flush	Midwest	Medium 2	\$32,762	\$655
Dairy	Flush	Midwest	Medium 3	\$43,796	\$876
Dairy	Flush	Pacific	Large 1	\$93,642	\$1,873
Dairy	Flush	Pacific	Medium 1	\$21,276	\$426
Dairy	Flush	Pacific	Medium 2	\$32,762	\$655
Dairy	Flush	Pacific	Medium 3	\$43,796	\$876
Dairy	Flush	South	Large 1	\$93,642	\$1,873
Dairy	Flush	South	Medium 1	\$21,276	\$426
Dairy	Flush	South	Medium 2	\$32,762	\$655
Dairy	Flush	South	Medium 3	\$43,796	\$876
Dairy	Hose	Central	Large 1	\$42,615	\$852
Dairy	Hose	Central	Medium 1	\$10,723	\$214
Dairy	Hose	Central	Medium 2	\$15,933	\$319
Dairy	Hose	Central	Medium 3	\$20,855	\$417
Dairy	Hose	Mid-Atlantic	Large 1	\$42,615	\$852
Dairy	Hose	Mid-Atlantic	Medium 1	\$10,723	\$214
Dairy	Hose	Mid-Atlantic	Medium 2	\$15,933	\$319
Dairy	Hose	Mid-Atlantic	Medium 3	\$20,855	\$417
Dairy	Hose	Midwest	Large 1	\$42,615	\$852
Dairy	Hose	Midwest	Medium 1	\$10,723	\$214
Dairy	Hose	Midwest	Medium 2	\$15,933	\$319
Dairy	Hose	Midwest	Medium 3	\$20,855	\$417
Dairy	Hose	Pacific	Large 1	\$42,615	\$852
Dairy	Hose	Pacific	Medium 1	\$10,723	\$214
Dairy	Hose	Pacific	Medium 2	\$15,933	\$319
Dairy	Hose	Pacific	Medium 3	\$20,855	\$417
Dairy	Hose	South	Large 1	\$42,615	\$852
Dairy	Hose	South	Medium 1	\$10,723	\$214
Dairy	Hose	South	Medium 2	\$15,933	\$319
Dairy	Hose	South	Medium 3	\$20,855	\$417
Heifers	Heifers	Central	Large 1	\$651	\$13
Heifers	Heifers	Central	Medium 1	\$570	\$11
Heifers	Heifers	Central	Medium 2	\$591	\$12
Heifers	Heifers	Central	Medium 3	\$611	\$12

**Table A-14 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Heifers	Heifers	Mid-Atlantic	Large 1	\$797	\$16
Heifers	Heifers	Mid-Atlantic	Medium 1	\$639	\$13
Heifers	Heifers	Mid-Atlantic	Medium 2	\$679	\$14
Heifers	Heifers	Mid-Atlantic	Medium 3	\$718	\$14
Heifers	Heifers	Midwest	Large 1	\$704	\$14
Heifers	Heifers	Midwest	Medium 1	\$595	\$12
Heifers	Heifers	Midwest	Medium 2	\$623	\$12
Heifers	Heifers	Midwest	Medium 3	\$650	\$13
Heifers	Heifers	Pacific	Large 1	\$811	\$16
Heifers	Heifers	Pacific	Medium 1	\$645	\$13
Heifers	Heifers	Pacific	Medium 2	\$687	\$14
Heifers	Heifers	Pacific	Medium 3	\$727	\$15
Heifers	Heifers	South	Large 1	\$828	\$17
Heifers	Heifers	South	Medium 1	\$653	\$13
Heifers	Heifers	South	Medium 2	\$698	\$14
Heifers	Heifers	South	Medium 3	\$740	\$15
Veal	Flush	Central	Medium 1	\$2,276	\$46
Veal	Flush	Central	Medium 2	\$2,689	\$54
Veal	Flush	Central	Medium 3	\$4,117	\$82
Veal	Flush	Mid-Atlantic	Medium 1	\$2,276	\$46
Veal	Flush	Mid-Atlantic	Medium 2	\$2,689	\$54
Veal	Flush	Mid-Atlantic	Medium 3	\$4,117	\$82
Veal	Flush	Midwest	Medium 1	\$2,276	\$46
Veal	Flush	Midwest	Medium 2	\$2,689	\$54
Veal	Flush	Midwest	Medium 3	\$4,117	\$82
Veal	Flush	Pacific	Medium 1	\$2,276	\$46
Veal	Flush	Pacific	Medium 2	\$2,689	\$54
Veal	Flush	Pacific	Medium 3	\$4,117	\$82
Veal	Flush	South	Medium 1	\$2,276	\$46
Veal	Flush	South	Medium 2	\$2,689	\$54
Veal	Flush	South	Medium 3	\$4,117	\$82

**Table A-15****Costs for Composting at Dairies, Beef, and Heifer Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Central	Large 1	\$9,157	\$67,803
Beef	Beef	Central	Large 2	\$9,157	\$954,694
Beef	Beef	Central	Medium 1	\$9,157	\$13,653
Beef	Beef	Central	Medium 2	\$9,157	\$20,356
Beef	Beef	Central	Medium 3	\$9,157	\$28,251
Beef	Beef	Mid-Atlantic	Large 1	\$9,157	\$58,841
Beef	Beef	Mid-Atlantic	Large 2	\$9,157	\$828,603
Beef	Beef	Mid-Atlantic	Medium 1	\$9,157	\$11,839
Beef	Beef	Mid-Atlantic	Medium 2	\$9,157	\$17,662
Beef	Beef	Mid-Atlantic	Medium 3	\$9,157	\$24,509
Beef	Beef	Midwest	Large 1	\$9,157	\$60,390
Beef	Beef	Midwest	Large 2	\$9,157	\$850,412
Beef	Beef	Midwest	Medium 1	\$9,157	\$12,167
Beef	Beef	Midwest	Medium 2	\$9,157	\$18,127
Beef	Beef	Midwest	Medium 3	\$9,157	\$25,167
Beef	Beef	Pacific	Large 1	\$9,157	\$58,860
Beef	Beef	Pacific	Large 2	\$9,157	\$828,877
Beef	Beef	Pacific	Medium 1	\$9,157	\$11,842
Beef	Beef	Pacific	Medium 2	\$9,157	\$17,668
Beef	Beef	Pacific	Medium 3	\$9,157	\$24,517
Beef	Beef	South	Large 1	\$9,157	\$58,784
Beef	Beef	South	Large 2	\$9,157	\$827,804
Beef	Beef	South	Medium 1	\$9,157	\$11,827
Beef	Beef	South	Medium 2	\$9,157	\$17,645
Beef	Beef	South	Medium 3	\$9,157	\$24,485
Dairy	Flush	Central	Large 1	\$9,157	\$7,995
Dairy	Flush	Central	Medium 1	\$9,157	\$1,413
Dairy	Flush	Central	Medium 2	\$9,157	\$2,380
Dairy	Flush	Central	Medium 3	\$9,157	\$3,365
Dairy	Flush	Mid-Atlantic	Large 1	\$9,157	\$4,261
Dairy	Flush	Mid-Atlantic	Medium 1	\$9,157	\$744
Dairy	Flush	Mid-Atlantic	Medium 2	\$9,157	\$1,265

**Table A-15 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Mid-Atlantic	Medium 3	\$9,157	\$1,786
Dairy	Flush	Midwest	Large 1	\$9,157	\$7,196
Dairy	Flush	Midwest	Medium 1	\$9,157	\$1,264
Dairy	Flush	Midwest	Medium 2	\$9,157	\$2,138
Dairy	Flush	Midwest	Medium 3	\$9,157	\$3,031
Dairy	Flush	Pacific	Large 1	\$9,157	\$2,867
Dairy	Flush	Pacific	Medium 1	\$9,157	\$503
Dairy	Flush	Pacific	Medium 2	\$9,157	\$856
Dairy	Flush	Pacific	Medium 3	\$9,157	\$1,210
Dairy	Flush	South	Large 1	\$9,157	\$1,567
Dairy	Flush	South	Medium 1	\$9,157	\$280
Dairy	Flush	South	Medium 2	\$9,157	\$466
Dairy	Flush	South	Medium 3	\$9,157	\$653
Dairy	Hose	Central	Large 1	\$9,157	\$7,995
Dairy	Hose	Central	Medium 1	\$9,157	\$1,413
Dairy	Hose	Central	Medium 2	\$9,157	\$2,380
Dairy	Hose	Central	Medium 3	\$9,157	\$3,365
Dairy	Hose	Mid-Atlantic	Large 1	\$9,157	\$4,261
Dairy	Hose	Mid-Atlantic	Medium 1	\$9,157	\$744
Dairy	Hose	Mid-Atlantic	Medium 2	\$9,157	\$1,265
Dairy	Hose	Mid-Atlantic	Medium 3	\$9,157	\$1,786
Dairy	Hose	Midwest	Large 1	\$9,157	\$7,196
Dairy	Hose	Midwest	Medium 1	\$9,157	\$1,264
Dairy	Hose	Midwest	Medium 2	\$9,157	\$2,138
Dairy	Hose	Midwest	Medium 3	\$9,157	\$3,031
Dairy	Hose	Pacific	Large 1	\$9,157	\$2,867
Dairy	Hose	Pacific	Medium 1	\$9,157	\$503
Dairy	Hose	Pacific	Medium 2	\$9,157	\$856
Dairy	Hose	Pacific	Medium 3	\$9,157	\$1,210
Dairy	Hose	South	Large 1	\$9,157	\$1,567
Dairy	Hose	South	Medium 1	\$9,157	\$280
Dairy	Hose	South	Medium 2	\$9,157	\$466
Dairy	Hose	South	Medium 3	\$9,157	\$653
Heifers	Heifers	Central	Large 1	\$9,157	\$26,997

**Table A-15 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Heifers	Heifers	Central	Medium 1	\$9,157	\$7,209
Heifers	Heifers	Central	Medium 2	\$9,157	\$11,260
Heifers	Heifers	Central	Medium 3	\$9,157	\$15,756
Heifers	Heifers	Mid-Atlantic	Large 1	\$9,157	\$19,064
Heifers	Heifers	Mid-Atlantic	Medium 1	\$9,157	\$5,091
Heifers	Heifers	Mid-Atlantic	Medium 2	\$9,157	\$7,952
Heifers	Heifers	Mid-Atlantic	Medium 3	\$9,157	\$11,111
Heifers	Heifers	Midwest	Large 1	\$9,157	\$22,780
Heifers	Heifers	Midwest	Medium 1	\$9,157	\$6,076
Heifers	Heifers	Midwest	Medium 2	\$9,157	\$9,495
Heifers	Heifers	Midwest	Medium 3	\$9,157	\$13,285
Heifers	Heifers	Pacific	Large 1	\$9,157	\$19,473
Heifers	Heifers	Pacific	Medium 1	\$9,157	\$5,203
Heifers	Heifers	Pacific	Medium 2	\$9,157	\$8,120
Heifers	Heifers	Pacific	Medium 3	\$9,157	\$11,371
Heifers	Heifers	South	Large 1	\$9,157	\$16,537
Heifers	Heifers	South	Medium 1	\$9,157	\$4,422
Heifers	Heifers	South	Medium 2	\$9,157	\$6,894
Heifers	Heifers	South	Medium 3	\$9,157	\$9,662

**Table A-16**

**Costs for Digesters for Large Dairies for all Regions**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Digester Type</b>	<b>Capital</b>	<b>O&amp;M</b>
Dairy	Hose	Large 1	Complete Mix	\$377,447	(\$45,560)
Dairy	Flush	Large 1	Covered Lagoon	\$214,353	(\$42,062)

**Table A-17a**  
**Capital Costs for Storage for Poultry Operations**  
**Under Option 1, N-Based Scenario**

Animal	Farm Type	Region	Manure type	Size	Category 1	Category 2	Category 3
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$87,699	\$93,613	\$106,069
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$192,172	\$231,178	\$267,927
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$27,913	\$27,953	\$27,789
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$39,263	\$40,945	\$39,412
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$60,242	\$62,844	\$60,577
Chicken	Broiler	South	Solid	Large 1	\$87,699	\$94,654	\$92,622
Chicken	Broiler	South	Solid	Large 2	\$176,189	\$220,369	\$228,606
Chicken	Broiler	South	Solid	Medium 1	\$27,414	\$27,652	\$27,656
Chicken	Broiler	South	Solid	Medium 2	\$38,532	\$40,471	\$40,381
Chicken	Broiler	South	Solid	Medium 3	\$59,231	\$62,189	\$62,102
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Chicken	Layer: Dry	South	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	South	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	South	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	South	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	South	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$144,607	\$144,607	\$144,607
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$25,252	\$25,252	\$25,252

**Table A-17a (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Manure type</b>	<b>Size</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$53,956	\$53,956	\$53,956
Turkey	Slaughter	Midwest	Solid	Large 1	\$144,607	\$144,607	\$144,607
Turkey	Slaughter	Midwest	Solid	Medium 1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Midwest	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Midwest	Solid	Medium 3	\$53,956	\$53,956	\$53,956

**Table A-17b**

**Capital Costs for Storage for Poultry Operations  
Under Option 2, P-based Scenario**

Animal	Farm Type	Region	Manure type	Size Class	Category 1	Category 2	Category 3
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$87,699	\$93,098	\$104,743
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$153,822	\$228,892	\$270,221
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$27,813	\$27,959	\$27,789
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$39,021	\$40,769	\$39,412
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$59,884	\$62,562	\$60,577
Chicken	Broiler	South	Solid	Large 1	\$87,699	\$95,074	\$93,645
Chicken	Broiler	South	Solid	Large 2	\$153,822	\$221,876	\$237,290
Chicken	Broiler	South	Solid	Medium 1	\$27,223	\$27,663	\$27,663
Chicken	Broiler	South	Solid	Medium 2	\$37,846	\$40,453	\$40,394
Chicken	Broiler	South	Solid	Medium 3	\$58,167	\$62,177	\$62,124
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Chicken	Layer: Dry	South	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	South	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	South	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	South	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	South	Solid	Medium 3	\$43,757	\$43,757	\$43,757

**Table A-17b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Manure type</b>	<b>Size Class</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$144,606	\$144,607	\$144,607
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$53,956	\$53,956	\$53,956
Turkey	Slaughter	Midwest	Solid	Large 1	\$144,606	\$144,607	\$144,607
Turkey	Slaughter	Midwest	Solid	Medium 1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Midwest	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Midwest	Solid	Medium 3	\$53,956	\$53,956	\$53,956

**Table A-17c**

**Capital Costs for Storage for Poultry Operations Under Option 2, N-based Scenario**

Animal	Farm Type	Region	Manure type	Size Class	Category 1	Category 2	Category 3
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$87,699	\$93,613	\$106,069
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$192,172	\$231,178	\$267,927
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$27,913	\$27,953	\$27,789
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$39,263	\$40,945	\$39,412
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$60,242	\$62,844	\$60,577
Chicken	Broiler	South	Solid	Large 1	\$87,699	\$94,436	\$91,881
Chicken	Broiler	South	Solid	Large 2	\$176,217	\$218,345	\$222,311
Chicken	Broiler	South	Solid	Medium 1	\$27,439	\$27,651	\$27,651
Chicken	Broiler	South	Solid	Medium 2	\$38,548	\$40,460	\$40,372
Chicken	Broiler	South	Solid	Medium 3	\$59,228	\$62,173	\$62,086
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Chicken	Layer: Dry	South	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	South	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	South	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	South	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	South	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$144,607	\$144,607	\$144,607
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$25,252	\$25,252	\$25,252

**Table A-17c (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Manure type</b>	<b>Size Class</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$53,956	\$53,956	\$53,956
Turkey	Slaughter	Midwest	Solid	Large 1	\$144,607	\$144,607	\$144,607
Turkey	Slaughter	Midwest	Solid	Medium 1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Midwest	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Midwest	Solid	Medium 3	\$53,956	\$53,956	\$53,956

**Table A-17d**

**Costs for Storage for Poultry Operations Under Option 5, P-based Scenario**

Animal	Farm Type	Region	Manure type	Size	Category 1	Category 2	Category 3
Chicken	Broiler	Mid-Atlantic	Solid	Large 1	\$87,699	\$93,098	\$104,743
Chicken	Broiler	Mid-Atlantic	Solid	Large 2	\$153,822	\$228,892	\$270,221
Chicken	Broiler	Mid-Atlantic	Solid	Medium 1	\$27,813	\$27,959	\$27,789
Chicken	Broiler	Mid-Atlantic	Solid	Medium 2	\$39,021	\$40,769	\$39,412
Chicken	Broiler	Mid-Atlantic	Solid	Medium 3	\$59,884	\$62,562	\$60,577
Chicken	Broiler	South	Solid	Large 1	\$87,699	\$95,074	\$93,645
Chicken	Broiler	South	Solid	Large 2	\$153,822	\$221,876	\$237,290
Chicken	Broiler	South	Solid	Medium 1	\$27,223	\$27,663	\$27,663
Chicken	Broiler	South	Solid	Medium 2	\$37,846	\$40,453	\$40,394
Chicken	Broiler	South	Solid	Medium 3	\$58,167	\$62,177	\$62,124
Chicken	Layer: Dry	Midwest	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	Midwest	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	Midwest	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	Midwest	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	Midwest	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Chicken	Layer: Dry	South	Solid	Large 1	\$162,199	\$162,199	\$162,199
Chicken	Layer: Dry	South	Solid	Large 2	\$477,076	\$477,076	\$477,076
Chicken	Layer: Dry	South	Solid	Medium 1	\$20,093	\$20,093	\$20,093
Chicken	Layer: Dry	South	Solid	Medium 2	\$34,392	\$34,392	\$34,392
Chicken	Layer: Dry	South	Solid	Medium 3	\$43,757	\$43,757	\$43,757
Turkey	Slaughter	Mid-Atlantic	Solid	Large 1	\$144,606	\$144,607	\$144,607

**Table A-17d (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Manure type</b>	<b>Size</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Mid-Atlantic	Solid	Medium 3	\$53,956	\$53,956	\$53,956
Turkey	Slaughter	Midwest	Solid	Large 1	\$155,957	\$144,607	\$144,607
Turkey	Slaughter	Midwest	Solid	Medium 1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Midwest	Solid	Medium 2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Midwest	Solid	Medium 3	\$53,956	\$53,956	\$53,956

**Table A-17e**

**Capital Costs for Storage for Poultry Operations Under Option 5, N-based Scenario**

<b>Animal</b>	<b>Operation</b>	<b>Region</b>	<b>Manure Type</b>	<b>Size</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>
Chicken	Broiler	South	Solid	Large2	\$176,217	\$218,345	\$222,311
Chicken	Broiler	South	Solid	Large1	\$87,699	\$94,436	\$91,881
Chicken	Broiler	South	Solid	Medium3	\$59,228	\$62,173	\$62,086
Chicken	Broiler	South	Solid	Medium2	\$38,548	\$40,460	\$40,372
Chicken	Broiler	South	Solid	Medium1	\$27,439	\$27,651	\$27,651
Chicken	Broiler	Mid-Atlantic	Solid	Large2	\$192,172	\$231,178	\$267,927
Chicken	Broiler	Mid-Atlantic	Solid	Large1	\$87,699	\$93,613	\$106,069
Chicken	Broiler	Mid-Atlantic	Solid	Medium3	\$60,242	\$62,844	\$60,577
Chicken	Broiler	Mid-Atlantic	Solid	Medium2	\$39,263	\$40,945	\$39,412
Chicken	Broiler	Mid-Atlantic	Solid	Medium1	\$27,913	\$27,953	\$27,789
Chicken	Layer-Dry	Midwest	Solid	Medium1	\$20,093	\$20,093	\$20,093
Chicken	Layer-Dry	Midwest	Solid	Medium2	\$34,392	\$34,392	\$34,392
Chicken	Layer-Dry	Midwest	Solid	Medium3	\$43,757	\$43,757	\$43,757
Chicken	Layer-Dry	Midwest	Solid	Large1	\$162,199	\$162,199	\$162,199
Chicken	Layer-Dry	Midwest	Solid	Large2	\$477,076	\$477,076	\$477,076
Chicken	Layer-Dry	South	Solid	Medium1	\$20,093	\$20,093	\$20,093
Chicken	Layer-Dry	South	Solid	Medium2	\$34,392	\$34,392	\$34,392
Chicken	Layer-Dry	South	Solid	Medium3	\$43,757	\$43,757	\$43,757
Chicken	Layer-Dry	South	Solid	Large1	\$162,199	\$162,199	\$162,199
Chicken	Layer-Dry	South	Solid	Large2	\$477,076	\$477,076	\$477,076
Chicken	Layer-Wet	South	Liquid	Medium3	\$0	\$0	\$0
Chicken	Layer-Wet	South	Liquid	Large1	\$0	\$0	\$0

**Table A-17e (Continued)**

<b>Animal</b>	<b>Operation</b>	<b>Region</b>	<b>Manure Type</b>	<b>Size</b>	<b>Category 1</b>	<b>Category 2</b>	<b>Category 3</b>
Turkey	Slaughter	Mid-Atlantic	Solid	Medium1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Mid-Atlantic	Solid	Medium2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Mid-Atlantic	Solid	Medium3	\$53,956	\$53,956	\$53,956
Turkey	Slaughter	Mid-Atlantic	Solid	Large1	\$144,607	\$144,607	\$144,607
Turkey	Slaughter	Midwest	Solid	Medium1	\$25,252	\$25,252	\$25,252
Turkey	Slaughter	Midwest	Solid	Medium2	\$39,320	\$39,320	\$39,320
Turkey	Slaughter	Midwest	Solid	Medium3	\$53,956	\$53,956	\$53,956
Turkey	Slaughter	Midwest	Solid	Large1	\$144,607	\$144,607	\$144,607

**Table A-18****Costs for Covered Lagoons at Veal Operations Under Option 5**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Veal	Flush	Central	Medium 1	\$65,959	\$3,298
Veal	Flush	Mid-Atlantic	Medium 1	\$79,984	\$3,999
Veal	Flush	Midwest	Medium 1	\$75,264	\$3,763
Veal	Flush	Pacific	Medium 1	\$79,366	\$3,968
Veal	Flush	South	Medium 1	\$68,049	\$3,402
Veal	Flush	Central	Medium 2	\$77,377	\$3,869
Veal	Flush	Mid-Atlantic	Medium 2	\$89,261	\$4,463
Veal	Flush	Midwest	Medium 2	\$83,167	\$4,158
Veal	Flush	Pacific	Medium 2	\$93,320	\$4,666
Veal	Flush	South	Medium 2	\$89,588	\$4,479
Veal	Flush	Central	Medium 3	\$100,765	\$5,038
Veal	Flush	Mid-Atlantic	Medium 3	\$114,140	\$5,707
Veal	Flush	Midwest	Medium 3	\$107,803	\$5,390
Veal	Flush	Pacific	Medium 3	\$118,625	\$5,931
Veal	Flush	South	Medium 3	\$114,198	\$5,710

**Table A-19**

**Costs for Sludge Removal at Dairies, Beef Feedlots, and Heifer Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Beef	Beef	Central	Large 1	\$0	\$2,377
Beef	Beef	Central	Large 2	\$122,426	\$6,121
Beef	Beef	Central	Medium 1	\$0	\$478
Beef	Beef	Central	Medium 2	\$0	\$714
Beef	Beef	Central	Medium 3	\$0	\$990
Beef	Beef	Mid-Atlantic	Large 1	\$0	\$7,693
Beef	Beef	Mid-Atlantic	Large 2	\$122,426	\$6,121
Beef	Beef	Mid-Atlantic	Medium 1	\$0	\$1,548
Beef	Beef	Mid-Atlantic	Medium 2	\$0	\$2,309
Beef	Beef	Mid-Atlantic	Medium 3	\$0	\$3,204
Beef	Beef	Midwest	Large 1	\$0	\$4,004
Beef	Beef	Midwest	Large 2	\$122,426	\$6,121
Beef	Beef	Midwest	Medium 1	\$0	\$806
Beef	Beef	Midwest	Medium 2	\$0	\$1,202
Beef	Beef	Midwest	Medium 3	\$0	\$1,668
Beef	Beef	Pacific	Large 1	\$0	\$8,312
Beef	Beef	Pacific	Large 2	\$122,426	\$6,121
Beef	Beef	Pacific	Medium 1	\$0	\$1,672
Beef	Beef	Pacific	Medium 2	\$0	\$2,495
Beef	Beef	Pacific	Medium 3	\$0	\$3,462
Beef	Beef	South	Large 1	\$0	\$9,148
Beef	Beef	South	Large 2	\$122,426	\$6,121
Beef	Beef	South	Medium 1	\$0	\$1,841
Beef	Beef	South	Medium 2	\$0	\$2,746
Beef	Beef	South	Medium 3	\$0	\$3,811
Dairy	Flush	Central	Large 1	\$122,426	\$6,121
Dairy	Flush	Central	Medium 1	\$122,426	\$6,121
Dairy	Flush	Central	Medium 2	\$122,426	\$6,121
Dairy	Flush	Central	Medium 3	\$122,426	\$6,121
Dairy	Flush	Mid-Atlantic	Large 1	\$122,426	\$6,121
Dairy	Flush	Mid-Atlantic	Medium 1	\$122,426	\$6,121
Dairy	Flush	Mid-Atlantic	Medium 2	\$122,426	\$6,121

**Table A-19 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Dairy	Flush	Mid-Atlantic	Medium 3	\$122,426	\$6,121
Dairy	Flush	Midwest	Large 1	\$122,426	\$6,121
Dairy	Flush	Midwest	Medium 1	\$122,426	\$6,121
Dairy	Flush	Midwest	Medium 2	\$122,426	\$6,121
Dairy	Flush	Midwest	Medium 3	\$122,426	\$6,121
Dairy	Flush	Pacific	Large 1	\$122,426	\$6,121
Dairy	Flush	Pacific	Medium 1	\$122,426	\$6,121
Dairy	Flush	Pacific	Medium 2	\$122,426	\$6,121
Dairy	Flush	Pacific	Medium 3	\$122,426	\$6,121
Dairy	Flush	South	Large 1	\$122,426	\$6,121
Dairy	Flush	South	Medium 1	\$122,426	\$6,121
Dairy	Flush	South	Medium 2	\$122,426	\$6,121
Dairy	Flush	South	Medium 3	\$122,426	\$6,121
Dairy	Hose	Central	Large 1	\$122,426	\$6,121
Dairy	Hose	Central	Medium 1	\$0	\$9,711
Dairy	Hose	Central	Medium 2	\$0	\$16,509
Dairy	Hose	Central	Medium 3	\$0	\$23,307
Dairy	Hose	Mid-Atlantic	Large 1	\$122,426	\$6,121
Dairy	Hose	Mid-Atlantic	Medium 1	\$0	\$13,614
Dairy	Hose	Mid-Atlantic	Medium 2	\$0	\$23,144
Dairy	Hose	Mid-Atlantic	Medium 3	\$122,426	\$6,121
Dairy	Hose	Midwest	Large 1	\$122,426	\$6,121
Dairy	Hose	Midwest	Medium 1	\$0	\$10,906
Dairy	Hose	Midwest	Medium 2	\$0	\$18,539
Dairy	Hose	Midwest	Medium 3	\$122,426	\$6,121
Dairy	Hose	Pacific	Large 1	\$122,426	\$6,121
Dairy	Hose	Pacific	Medium 1	\$0	\$14,068
Dairy	Hose	Pacific	Medium 2	\$122,426	\$6,121
Dairy	Hose	Pacific	Medium 3	\$122,426	\$6,121
Dairy	Hose	South	Large 1	\$122,426	\$6,121
Dairy	Hose	South	Medium 1	\$0	\$14,682
Dairy	Hose	South	Medium 2	\$122,426	\$6,121
Dairy	Hose	South	Medium 3	\$122,426	\$6,121
Heifers	Heifers	Central	Large 1	\$0	\$1,818

**Table A-19 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Region</b>	<b>Size Class</b>	<b>Capital</b>	<b>Annual</b>
Heifers	Heifers	Central	Medium 1	\$0	\$485
Heifers	Heifers	Central	Medium 2	\$0	\$757
Heifers	Heifers	Central	Medium 3	\$0	\$1,060
Heifers	Heifers	Mid-Atlantic	Large 1	\$0	\$5,883
Heifers	Heifers	Mid-Atlantic	Medium 1	\$0	\$1,569
Heifers	Heifers	Mid-Atlantic	Medium 2	\$0	\$2,451
Heifers	Heifers	Mid-Atlantic	Medium 3	\$0	\$3,432
Heifers	Heifers	Midwest	Large 1	\$0	\$3,062
Heifers	Heifers	Midwest	Medium 1	\$0	\$816
Heifers	Heifers	Midwest	Medium 2	\$0	\$1,276
Heifers	Heifers	Midwest	Medium 3	\$0	\$1,786
Heifers	Heifers	Pacific	Large 1	\$0	\$6,356
Heifers	Heifers	Pacific	Medium 1	\$0	\$1,695
Heifers	Heifers	Pacific	Medium 2	\$0	\$2,648
Heifers	Heifers	Pacific	Medium 3	\$0	\$3,708
Heifers	Heifers	South	Large 1	\$0	\$6,996
Heifers	Heifers	South	Medium 1	\$0	\$1,865
Heifers	Heifers	South	Medium 2	\$0	\$2,915
Heifers	Heifers	South	Medium 3	\$0	\$4,081

## **Appendix B**

**Table B-1**

**Selected Transportation Option Under Option 1 for Beef Feedlots, Dairies, and Heifer Operations**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Beef	Beef	Large 1	CE	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	CE	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	CE	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MA	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MA	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MA	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MW	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MW	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MW	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	PA	H	Purchase Truck	Purchase Truck
Beef	Beef	Large 1	PA	L	Purchase Truck	Purchase Truck
Beef	Beef	Large 1	PA	M	Purchase Truck	Purchase Truck
Beef	Beef	Large 1	SO	H	Purchase Truck	Purchase Truck
Beef	Beef	Large 1	SO	L	Purchase Truck	Purchase Truck
Beef	Beef	Large 1	SO	M	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	CE	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	CE	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	CE	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	MA	H	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	MA	L	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	MA	M	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	MW	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	MW	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	MW	M	Contract Hauling	Purchase Truck

B-1

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Beef	Beef	Large 2	PA	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	PA	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	PA	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	SO	H	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	SO	L	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	SO	M	Purchase Truck	Purchase Truck
Beef	Beef	Medium 1	CE	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	CE	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	CE	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	MA	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	MA	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	MA	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	MW	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	MW	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	MW	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	PA	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	PA	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	PA	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	SO	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	SO	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 1	SO	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	CE	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	CE	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	CE	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	MA	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	MA	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	MA	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	MW	H	Contract Hauling	Purchase Truck

B-2

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Beef	Beef	Medium 2	MW	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	MW	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	PA	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	PA	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	PA	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	SO	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	SO	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 2	SO	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	CE	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	CE	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	CE	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	MA	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	MA	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	MA	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	MW	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	MW	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	PA	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	PA	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	PA	M	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	SO	H	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	SO	L	Contract Hauling	Purchase Truck
Beef	Beef	Medium 3	SO	M	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	CE	H	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	CE	L	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	CE	M	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	MA	H	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	MA	L	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	MA	M	Purchase Truck	Purchase Truck

B-3

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Flush	Large 1	MW	H	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	MW	L	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	MW	M	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	PA	H	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	PA	L	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	PA	M	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	SO	H	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	SO	L	Purchase Truck	Purchase Truck
Dairy	Flush	Large 1	SO	M	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 1	CE	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	CE	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	CE	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MW	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MW	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MW	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	PA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	PA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	PA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	SO	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	SO	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	SO	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	CE	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	CE	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	CE	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MA	H	Contract Hauling	Purchase Truck

B-4

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Flush	Medium 2	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MW	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MW	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MW	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	PA	H	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 2	PA	L	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 2	PA	M	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 2	SO	H	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 2	SO	L	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 2	SO	M	Purchase Truck	Purchase Truck
Dairy	Flush	Medium 3	CE	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	CE	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	CE	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MW	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MW	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MW	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	PA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	PA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	PA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	SO	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	SO	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	SO	M	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	CE	H	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	CE	L	Contract Hauling	Purchase Truck

B-5

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Hose	Large 1	CE	M	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	MA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	MA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	MA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	MW	H	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	MW	L	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	MW	M	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	PA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	PA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	PA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	SO	H	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	SO	L	Contract Hauling	Purchase Truck
Dairy	Hose	Large 1	SO	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	CE	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	CE	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	CE	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	MA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	MA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	MA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	MW	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	MW	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	MW	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	PA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	PA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	PA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	SO	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	SO	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 1	SO	M	Contract Hauling	Purchase Truck

B-6

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Hose	Medium 2	CE	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	CE	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	CE	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	MA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	MA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	MA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	MW	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	MW	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	MW	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	PA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	PA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	PA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	SO	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	SO	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 2	SO	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	CE	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	CE	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	CE	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	MA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	MA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	MA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	MW	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	MW	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	MW	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	PA	H	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	PA	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	PA	M	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	SO	H	Contract Hauling	Purchase Truck

B-7

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Hose	Medium 3	SO	L	Contract Hauling	Purchase Truck
Dairy	Hose	Medium 3	SO	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	CE	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	CE	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	CE	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MW	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MW	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MW	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	PA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	PA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	PA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	SO	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	SO	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	SO	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	CE	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	CE	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	CE	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	MA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	MA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	MA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	MW	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	MW	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	MW	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	PA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	PA	L	Contract Hauling	Purchase Truck

B-8

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Heifers	Heifers	Medium 1	PA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	SO	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	SO	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 1	SO	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	CE	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	CE	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	CE	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	MA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	MA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	MA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	MW	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	MW	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	MW	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	PA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	PA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	PA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	SO	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	SO	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 2	SO	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	CE	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	CE	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	CE	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	MA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	MA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	MA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	MW	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	MW	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	MW	M	Contract Hauling	Purchase Truck

B-9

**Table B-1 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Heifers	Heifers	Medium 3	PA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	PA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	PA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	SO	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	SO	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Medium 3	SO	M	Contract Hauling	Purchase Truck

B-10

**Table B-2**

**Selected Transportation Option Under Option 2 for Beef Feedlots, Dairies, and Heifer Operations**

Animal	Farm Type	Size Class	Region	Performance Needs	Category 2 Transportation Type	Category 3 Transportation Type
Beef	Beef	Large 1	CE	H	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	CE	L	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	CE	M	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	MA	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MA	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MA	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 1	MW	H	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	MW	L	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	MW	M	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	PA	H	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	PA	L	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	PA	M	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	SO	H	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	SO	L	Contract Hauling	Contract Hauling
Beef	Beef	Large 1	SO	M	Contract Hauling	Contract Hauling
Beef	Beef	Large 2	CE	H	Contract Hauling	Contract Hauling
Beef	Beef	Large 2	CE	L	Contract Hauling	Contract Hauling
Beef	Beef	Large 2	CE	M	Contract Hauling	Contract Hauling
Beef	Beef	Large 2	MA	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	MA	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	MA	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	MW	H	Contract Hauling	Contract Hauling
Beef	Beef	Large 2	MW	L	Contract Hauling	Contract Hauling
Beef	Beef	Large 2	MW	M	Contract Hauling	Contract Hauling

B-11

**Table B-2 (Continued)**

Animal	Farm Type	Size Class	Region	Performance Needs	Category 2 Transportation Type	Category 3 Transportation Type
Beef	Beef	Large 2	PA	H	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	PA	L	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	PA	M	Contract Hauling	Purchase Truck
Beef	Beef	Large 2	SO	H	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	SO	L	Purchase Truck	Purchase Truck
Beef	Beef	Large 2	SO	M	Purchase Truck	Purchase Truck
Beef	Beef	Medium 1	CE	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	CE	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	CE	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	MA	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	MA	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	MA	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	MW	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	MW	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	MW	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	PA	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	PA	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	PA	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	SO	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	SO	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 1	SO	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	CE	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	CE	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	CE	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	MA	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	MA	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	MA	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	MW	H	Contract Hauling	Contract Hauling

B-12

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Beef	Beef	Medium 2	MW	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	MW	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	PA	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	PA	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	PA	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	SO	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	SO	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 2	SO	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	CE	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	CE	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	CE	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	MA	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	MA	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	MA	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	MW	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	MW	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	PA	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	PA	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	PA	M	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	SO	H	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	SO	L	Contract Hauling	Contract Hauling
Beef	Beef	Medium 3	SO	M	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	CE	H	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	CE	L	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	CE	M	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	MA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	MA	M	Contract Hauling	Purchase Truck

B-13

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Flush	Large 1	MW	H	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	MW	L	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	MW	M	Contract Hauling	Contract Hauling
Dairy	Flush	Large 1	PA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	PA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	PA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	SO	H	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	SO	L	Contract Hauling	Purchase Truck
Dairy	Flush	Large 1	SO	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	CE	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	CE	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	CE	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	MA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 1	MW	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	MW	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	MW	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	PA	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	PA	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	PA	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	SO	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	SO	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 1	SO	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	CE	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	CE	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	CE	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	MA	H	Contract Hauling	Purchase Truck

B-14

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Flush	Medium 2	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 2	MW	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	MW	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	MW	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	PA	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	PA	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	PA	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	SO	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	SO	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 2	SO	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	CE	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	CE	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	CE	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	MA	H	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MA	L	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MA	M	Contract Hauling	Purchase Truck
Dairy	Flush	Medium 3	MW	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	MW	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	MW	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	PA	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	PA	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	PA	M	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	SO	H	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	SO	L	Contract Hauling	Contract Hauling
Dairy	Flush	Medium 3	SO	M	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	CE	H	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	CE	L	Contract Hauling	Contract Hauling

B-15

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Hose	Large 1	CE	M	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	MA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	MA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	MA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	MW	H	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	MW	L	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	MW	M	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	PA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	PA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	PA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	SO	H	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	SO	L	Contract Hauling	Contract Hauling
Dairy	Hose	Large 1	SO	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	CE	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	CE	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	CE	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	MA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	MA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	MA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	MW	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	MW	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	MW	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	PA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	PA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	PA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	SO	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	SO	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 1	SO	M	Contract Hauling	Contract Hauling

B-16

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Hose	Medium 2	CE	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	CE	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	CE	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	MA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	MA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	MA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	MW	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	MW	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	MW	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	PA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	PA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	PA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	SO	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	SO	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 2	SO	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	CE	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	CE	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	CE	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	MA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	MA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	MA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	MW	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	MW	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	MW	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	PA	H	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	PA	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	PA	M	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	SO	H	Contract Hauling	Contract Hauling

B-17

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Dairy	Hose	Medium 3	SO	L	Contract Hauling	Contract Hauling
Dairy	Hose	Medium 3	SO	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	CE	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	CE	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	CE	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	MA	H	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MA	L	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MA	M	Contract Hauling	Purchase Truck
Heifers	Heifers	Large 1	MW	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	MW	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	MW	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	PA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	PA	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	PA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	SO	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	SO	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Large 1	SO	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	CE	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	CE	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	CE	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	MA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	MA	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	MA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	MW	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	MW	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	MW	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	PA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	PA	L	Contract Hauling	Contract Hauling

B-18

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Heifers	Heifers	Medium 1	PA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	SO	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	SO	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 1	SO	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	CE	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	CE	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	CE	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	MA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	MA	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	MA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	MW	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	MW	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	MW	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	PA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	PA	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	PA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	SO	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	SO	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 2	SO	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	CE	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	CE	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	CE	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	MA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	MA	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	MA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	MW	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	MW	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	MW	M	Contract Hauling	Contract Hauling

B-19

**Table B-2 (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Performance Needs</b>	<b>Category 2 Transportation Type</b>	<b>Category 3 Transportation Type</b>
Heifers	Heifers	Medium 3	PA	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	PA	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	PA	M	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	SO	H	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	SO	L	Contract Hauling	Contract Hauling
Heifers	Heifers	Medium 3	SO	M	Contract Hauling	Contract Hauling

## **Appendix C**

**Table C-1a****Summary of Industry Costs for Option 1**

<b>Animal Type</b>	<b>Manure Type</b>	<b>Operation Type</b>	<b>Capital</b>	<b>Annual</b>	<b>Fixed</b>	<b>3-Year Recurring</b>	<b>5-Year Recurring</b>
Beef	Solid/Liquid	Beef	\$66,271,376	\$8,689,062	\$4,305,153	\$592,050	\$2,530,516
Dairy	Solid/Liquid	Flush	\$262,639,714	\$45,358,315	\$2,626,098	\$183,113	\$894,258
Dairy	Solid/Liquid	Hose	\$33,153,994	\$4,072,126	\$2,461,447	\$2,798,726	\$739,387
Heifers	Solid/Liquid	Heifers	\$13,452,388	\$1,319,976	\$694,719	\$204,401	\$82,858
Veal	Liquid	Flush	\$0	\$30,553	\$38,948	\$2,422	\$10,090
Chicken	Liquid	LW	\$9,118,438	\$1,296,980	\$132,432	\$19,525	\$81,264
Chicken	Solid	BR	\$93,407,347	\$4,060,985	\$2,184,684	\$74,888	\$1,009,264
Chicken	Solid	LA	\$32,664,307	\$1,746,196	\$356,844	\$51,695	\$247,758
Swine	Evapor	FF	\$108,469	\$150,883	\$84,495	\$3,970	\$35,289
Swine	Evapor	GF	\$111,079	\$154,573	\$86,411	\$4,054	\$36,036
Swine	Liquid	FF	\$5,308,843	\$1,686,581	\$844,688	\$30,149	\$241,083
Swine	Liquid	GF	\$4,017,456	\$1,135,603	\$527,369	\$22,505	\$171,891
Swine	Pit	FF	\$360,663	\$1,497,912	\$889,058	\$30,374	\$272,588
Swine	Pit	GF	\$334,852	\$1,720,540	\$957,771	\$38,814	\$329,614
Turkey	Solid	SL	\$31,170,087	\$1,668,463	\$701,880	\$27,143	\$450,698

**Table C-1b**

**Model Farm Costs for Option 1**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Beef	Beef	Liquid/Solid	Large 1	CE	1	H	72.1	\$31,405	\$2,727	\$3,584	\$340	\$1,535
Beef	Beef	Liquid/Solid	Large 1	CE	1	L	72.1	\$10,828	\$2,182	\$2,200	\$272	\$1,535
Beef	Beef	Liquid/Solid	Large 1	CE	1	M	144.2	\$22,322	\$2,454	\$2,942	\$306	\$1,535
Beef	Beef	Liquid/Solid	Large 1	CE	2	H	22.3	\$31,405	\$1,711	\$3,204	\$60	\$215
Beef	Beef	Liquid/Solid	Large 1	CE	2	L	22.3	\$10,828	\$1,368	\$1,938	\$48	\$215
Beef	Beef	Liquid/Solid	Large 1	CE	2	M	44.5	\$22,322	\$1,540	\$2,621	\$54	\$215
Beef	Beef	Liquid/Solid	Large 1	CE	3	H	11.7	\$4,558	\$1,045	\$1,474	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	CE	3	L	11.7	\$1,606	\$836	\$1,125	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	CE	3	M	23.3	\$3,529	\$941	\$1,312	\$18	\$0
Beef	Beef	Liquid/Solid	Large 1	MA	1	H	1.4	\$56,920	\$2,176	\$5,882	\$180	\$820
Beef	Beef	Liquid/Solid	Large 1	MA	1	L	1.4	\$18,153	\$1,709	\$2,731	\$141	\$820
Beef	Beef	Liquid/Solid	Large 1	MA	1	M	2.7	\$38,528	\$2,074	\$4,558	\$172	\$820
Beef	Beef	Liquid/Solid	Large 1	MA	2	H	0.4	\$29,316	\$1,591	\$29,541	\$40	\$60
Beef	Beef	Liquid/Solid	Large 1	MA	2	L	0.4	\$9,250	\$1,249	\$28,335	\$31	\$60
Beef	Beef	Liquid/Solid	Large 1	MA	2	M	0.8	\$19,163	\$1,516	\$29,058	\$38	\$60
Beef	Beef	Liquid/Solid	Large 1	MA	3	H	0.2	\$7,734	\$1,045	\$1,593	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	MA	3	L	0.2	\$2,289	\$821	\$1,141	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	MA	3	M	0.4	\$4,023	\$996	\$1,438	\$19	\$0
Beef	Beef	Liquid/Solid	Large 1	MW	1	H	145.5	\$32,221	\$2,246	\$3,371	\$200	\$910
Beef	Beef	Liquid/Solid	Large 1	MW	1	L	145.5	\$11,851	\$1,797	\$2,063	\$160	\$910
Beef	Beef	Liquid/Solid	Large 1	MW	1	M	291.0	\$23,092	\$2,021	\$2,746	\$180	\$910
Beef	Beef	Liquid/Solid	Large 1	MW	2	H	44.9	\$32,221	\$1,599	\$4,953	\$40	\$70
Beef	Beef	Liquid/Solid	Large 1	MW	2	L	44.9	\$11,851	\$1,279	\$3,720	\$32	\$70
Beef	Beef	Liquid/Solid	Large 1	MW	2	M	89.9	\$23,092	\$1,439	\$4,366	\$36	\$70
Beef	Beef	Liquid/Solid	Large 1	MW	3	H	23.5	\$5,373	\$1,045	\$1,541	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	MW	3	L	23.5	\$1,112	\$836	\$1,136	\$16	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Large 1	MW	3	M	47.1	\$4,299	\$941	\$1,368	\$18	\$0
Beef	Beef	Liquid/Solid	Large 1	PA	1	H	9.5	\$61,892	\$2,142	\$3,523	\$180	\$775
Beef	Beef	Liquid/Solid	Large 1	PA	1	L	9.5	\$23,720	\$1,713	\$2,099	\$144	\$775
Beef	Beef	Liquid/Solid	Large 1	PA	1	M	19.7	\$43,794	\$1,928	\$2,837	\$162	\$775
Beef	Beef	Liquid/Solid	Large 1	PA	2	H	2.9	\$404,854	\$1,641	\$37,476	\$40	\$125
Beef	Beef	Liquid/Solid	Large 1	PA	2	L	2.9	\$384,891	\$1,313	\$36,258	\$32	\$125
Beef	Beef	Liquid/Solid	Large 1	PA	2	M	6.1	\$395,861	\$1,477	\$36,893	\$36	\$125
Beef	Beef	Liquid/Solid	Large 1	PA	3	H	1.5	\$4,695	\$1,045	\$1,507	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	PA	3	L	1.5	\$840	\$836	\$1,122	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	PA	3	M	3.2	\$3,756	\$941	\$1,341	\$18	\$0
Beef	Beef	Liquid/Solid	Large 1	SO	1	H	0.0	\$67,298	\$2,515	\$6,450	\$280	\$1,260
Beef	Beef	Liquid/Solid	Large 1	SO	1	L	0.0	\$18,479	\$2,012	\$2,755	\$224	\$1,260
Beef	Beef	Liquid/Solid	Large 1	SO	1	M	0.0	\$47,291	\$2,339	\$4,963	\$260	\$1,260
Beef	Beef	Liquid/Solid	Large 1	SO	2	H	0.0	\$408,209	\$1,618	\$47,299	\$40	\$95
Beef	Beef	Liquid/Solid	Large 1	SO	2	L	0.0	\$383,775	\$1,295	\$45,847	\$32	\$95
Beef	Beef	Liquid/Solid	Large 1	SO	2	M	0.0	\$398,223	\$1,505	\$46,727	\$37	\$95
Beef	Beef	Liquid/Solid	Large 1	SO	3	H	0.0	\$8,855	\$1,045	\$1,661	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	SO	3	L	0.0	\$4,019	\$836	\$1,214	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	SO	3	M	0.0	\$6,923	\$972	\$1,501	\$19	\$0
Beef	Beef	Liquid/Solid	Large 2	CE	1	H	2.6	\$113,478	\$18,189	\$21,798	\$4,500	\$21,615
Beef	Beef	Liquid/Solid	Large 2	CE	1	L	2.6	\$41,498	\$14,552	\$13,087	\$3,600	\$21,615
Beef	Beef	Liquid/Solid	Large 2	CE	1	M	5.4	\$81,624	\$16,370	\$17,562	\$4,050	\$21,615
Beef	Beef	Liquid/Solid	Large 2	CE	2	H	17.5	\$113,478	\$6,481	\$17,423	\$1,340	\$6,410
Beef	Beef	Liquid/Solid	Large 2	CE	2	L	17.5	\$41,498	\$5,185	\$10,074	\$1,072	\$6,410
Beef	Beef	Liquid/Solid	Large 2	CE	2	M	35.5	\$81,624	\$5,833	\$13,867	\$1,206	\$6,410
Beef	Beef	Liquid/Solid	Large 2	CE	3	H	12.9	\$21,888	\$1,045	\$2,152	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	CE	3	L	12.9	\$4,862	\$836	\$1,323	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	CE	3	M	26.1	\$17,511	\$941	\$1,857	\$18	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Large 2	MA	1	H	0.1	\$375,996	\$10,420	\$21,119	\$2,400	\$11,525
Beef	Beef	Liquid/Solid	Large 2	MA	1	L	0.1	\$122,612	\$8,182	\$9,978	\$1,885	\$11,525
Beef	Beef	Liquid/Solid	Large 2	MA	1	M	0.1	\$261,194	\$9,928	\$16,535	\$2,287	\$11,525
Beef	Beef	Liquid/Solid	Large 2	MA	2	H	0.5	\$340,049	\$3,690	\$35,845	\$600	\$2,785
Beef	Beef	Liquid/Solid	Large 2	MA	2	L	0.5	\$227,864	\$2,897	\$27,326	\$471	\$2,785
Beef	Beef	Liquid/Solid	Large 2	MA	2	M	0.5	\$287,457	\$3,516	\$32,229	\$572	\$2,785
Beef	Beef	Liquid/Solid	Large 2	MA	3	H	0.4	\$56,342	\$1,045	\$3,628	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	MA	3	L	0.4	\$19,518	\$821	\$1,911	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	MA	3	M	0.4	\$36,953	\$996	\$2,946	\$19	\$0
Beef	Beef	Liquid/Solid	Large 2	MW	1	H	5.4	\$141,592	\$11,409	\$19,335	\$2,660	\$12,810
Beef	Beef	Liquid/Solid	Large 2	MW	1	L	5.4	\$52,744	\$9,127	\$10,524	\$2,128	\$12,810
Beef	Beef	Liquid/Solid	Large 2	MW	1	M	10.7	\$103,687	\$10,268	\$15,168	\$2,394	\$12,810
Beef	Beef	Liquid/Solid	Large 2	MW	2	H	35.5	\$141,592	\$3,928	\$15,750	\$660	\$3,095
Beef	Beef	Liquid/Solid	Large 2	MW	2	L	35.5	\$52,744	\$3,143	\$7,810	\$528	\$3,095
Beef	Beef	Liquid/Solid	Large 2	MW	2	M	71.0	\$103,687	\$3,535	\$12,018	\$594	\$3,095
Beef	Beef	Liquid/Solid	Large 2	MW	3	H	26.1	\$45,725	\$1,045	\$3,344	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	MW	3	L	26.1	\$14,397	\$836	\$1,800	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	MW	3	M	52.3	\$36,580	\$941	\$2,810	\$18	\$0
Beef	Beef	Liquid/Solid	Large 2	PA	1	H	0.3	\$177,358	\$9,973	\$19,898	\$2,280	\$10,945
Beef	Beef	Liquid/Solid	Large 2	PA	1	L	0.3	\$67,050	\$7,978	\$10,415	\$1,824	\$10,945
Beef	Beef	Liquid/Solid	Large 2	PA	1	M	0.7	\$127,770	\$8,976	\$15,347	\$2,052	\$10,945
Beef	Beef	Liquid/Solid	Large 2	PA	2	H	2.1	\$177,358	\$4,182	\$42,483	\$720	\$3,425
Beef	Beef	Liquid/Solid	Large 2	PA	2	L	2.1	\$67,050	\$3,346	\$33,673	\$576	\$3,425
Beef	Beef	Liquid/Solid	Large 2	PA	2	M	4.8	\$127,770	\$3,764	\$38,269	\$648	\$3,425
Beef	Beef	Liquid/Solid	Large 2	PA	3	H	1.6	\$36,191	\$1,045	\$2,868	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	PA	3	L	1.6	\$10,583	\$836	\$1,609	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	PA	3	M	3.5	\$28,952	\$941	\$2,429	\$18	\$0
Beef	Beef	Liquid/Solid	Large 2	SO	1	H	0.0	\$394,374	\$15,221	\$26,995	\$3,700	\$17,760

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Large 2	SO	1	L	0.0	\$111,006	\$12,177	\$12,408	\$2,960	\$17,760
Beef	Beef	Liquid/Solid	Large 2	SO	1	M	0.0	\$280,135	\$14,155	\$21,243	\$3,441	\$17,760
Beef	Beef	Liquid/Solid	Large 2	SO	2	H	0.0	\$818,780	\$4,848	\$211,534	\$900	\$4,290
Beef	Beef	Liquid/Solid	Large 2	SO	2	L	0.0	\$609,340	\$3,879	\$198,923	\$720	\$4,290
Beef	Beef	Liquid/Solid	Large 2	SO	2	M	0.0	\$734,922	\$4,509	\$206,520	\$837	\$4,290
Beef	Beef	Liquid/Solid	Large 2	SO	3	H	0.0	\$76,278	\$1,045	\$4,670	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	SO	3	L	0.0	\$32,302	\$836	\$2,444	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	SO	3	M	0.0	\$60,419	\$972	\$3,900	\$19	\$0
Beef	Beef	Liquid/Solid	Medium 1	CE	1	H	3.6	\$34,623	\$1,784	\$3,108	\$319	\$310
Beef	Beef	Liquid/Solid	Medium 1	CE	1	L	3.6	\$15,113	\$1,427	\$1,876	\$303	\$310
Beef	Beef	Liquid/Solid	Medium 1	CE	1	M	7.1	\$26,064	\$1,605	\$2,550	\$311	\$310
Beef	Beef	Liquid/Solid	Medium 1	CE	2	H	0.4	\$34,623	\$1,599	\$3,292	\$279	\$70
Beef	Beef	Liquid/Solid	Medium 1	CE	2	L	0.4	\$15,113	\$1,279	\$2,082	\$271	\$70
Beef	Beef	Liquid/Solid	Medium 1	CE	2	M	0.8	\$26,064	\$1,439	\$2,745	\$275	\$70
Beef	Beef	Liquid/Solid	Medium 1	CE	3	H	0.3	\$7,775	\$1,045	\$1,547	\$259	\$0
Beef	Beef	Liquid/Solid	Medium 1	CE	3	L	0.3	\$6,552	\$836	\$1,273	\$255	\$0
Beef	Beef	Liquid/Solid	Medium 1	CE	3	M	0.6	\$7,271	\$941	\$1,413	\$257	\$0
Beef	Beef	Liquid/Solid	Medium 1	MA	1	H	0.5	\$32,481	\$1,672	\$2,924	\$834	\$165
Beef	Beef	Liquid/Solid	Medium 1	MA	1	L	0.5	\$15,740	\$1,313	\$1,843	\$821	\$165
Beef	Beef	Liquid/Solid	Medium 1	MA	1	M	0.9	\$24,482	\$1,593	\$2,501	\$831	\$165
Beef	Beef	Liquid/Solid	Medium 1	MA	2	H	0.1	\$32,481	\$1,568	\$9,080	\$794	\$30
Beef	Beef	Liquid/Solid	Medium 1	MA	2	L	0.1	\$15,740	\$1,231	\$8,012	\$790	\$30
Beef	Beef	Liquid/Solid	Medium 1	MA	2	M	0.1	\$24,482	\$1,494	\$8,661	\$793	\$30
Beef	Beef	Liquid/Solid	Medium 1	MA	3	H	0.0	\$10,899	\$1,045	\$1,691	\$794	\$0
Beef	Beef	Liquid/Solid	Medium 1	MA	3	L	0.0	\$8,779	\$821	\$1,374	\$790	\$0
Beef	Beef	Liquid/Solid	Medium 1	MA	3	M	0.1	\$9,342	\$996	\$1,598	\$793	\$0
Beef	Beef	Liquid/Solid	Medium 1	MW	1	H	15.3	\$35,538	\$1,687	\$3,109	\$463	\$185
Beef	Beef	Liquid/Solid	Medium 1	MW	1	L	15.3	\$17,089	\$1,350	\$1,944	\$451	\$185

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 1	MW	1	M	30.4	\$27,032	\$1,519	\$2,555	\$457	\$185
Beef	Beef	Liquid/Solid	Medium 1	MW	2	H	1.6	\$35,538	\$1,568	\$3,239	\$423	\$30
Beef	Beef	Liquid/Solid	Medium 1	MW	2	L	1.6	\$17,089	\$1,254	\$2,088	\$419	\$30
Beef	Beef	Liquid/Solid	Medium 1	MW	2	M	3.3	\$27,032	\$1,411	\$2,692	\$421	\$30
Beef	Beef	Liquid/Solid	Medium 1	MW	3	H	1.3	\$8,690	\$1,045	\$1,603	\$423	\$0
Beef	Beef	Liquid/Solid	Medium 1	MW	3	L	1.3	\$7,146	\$836	\$1,317	\$419	\$0
Beef	Beef	Liquid/Solid	Medium 1	MW	3	M	2.5	\$8,239	\$941	\$1,469	\$421	\$0
Beef	Beef	Liquid/Solid	Medium 1	PA	1	H	0.4	\$38,131	\$1,664	\$3,231	\$896	\$155
Beef	Beef	Liquid/Solid	Medium 1	PA	1	L	0.4	\$20,490	\$1,331	\$2,112	\$884	\$155
Beef	Beef	Liquid/Solid	Medium 1	PA	1	M	0.9	\$29,721	\$1,498	\$2,682	\$890	\$155
Beef	Beef	Liquid/Solid	Medium 1	PA	2	H	0.0	\$38,131	\$1,576	\$5,423	\$856	\$40
Beef	Beef	Liquid/Solid	Medium 1	PA	2	L	0.0	\$20,490	\$1,261	\$4,314	\$852	\$40
Beef	Beef	Liquid/Solid	Medium 1	PA	2	M	0.1	\$29,721	\$1,418	\$4,879	\$854	\$40
Beef	Beef	Liquid/Solid	Medium 1	PA	3	H	0.0	\$11,283	\$1,045	\$1,739	\$856	\$0
Beef	Beef	Liquid/Solid	Medium 1	PA	3	L	0.0	\$9,751	\$836	\$1,456	\$852	\$0
Beef	Beef	Liquid/Solid	Medium 1	PA	3	M	0.1	\$10,927	\$941	\$1,608	\$854	\$0
Beef	Beef	Liquid/Solid	Medium 1	SO	1	H	0.1	\$38,031	\$1,741	\$3,247	\$1,000	\$255
Beef	Beef	Liquid/Solid	Medium 1	SO	1	L	0.1	\$16,811	\$1,393	\$1,934	\$984	\$255
Beef	Beef	Liquid/Solid	Medium 1	SO	1	M	0.1	\$29,292	\$1,619	\$2,726	\$995	\$255
Beef	Beef	Liquid/Solid	Medium 1	SO	2	H	0.0	\$38,031	\$1,580	\$16,476	\$940	\$45
Beef	Beef	Liquid/Solid	Medium 1	SO	2	L	0.0	\$16,811	\$1,264	\$15,182	\$936	\$45
Beef	Beef	Liquid/Solid	Medium 1	SO	2	M	0.0	\$29,292	\$1,469	\$15,962	\$939	\$45
Beef	Beef	Liquid/Solid	Medium 1	SO	3	H	0.0	\$11,988	\$1,045	\$1,750	\$940	\$0
Beef	Beef	Liquid/Solid	Medium 1	SO	3	L	0.0	\$10,367	\$836	\$1,456	\$936	\$0
Beef	Beef	Liquid/Solid	Medium 1	SO	3	M	0.0	\$11,304	\$972	\$1,645	\$939	\$0
Beef	Beef	Liquid/Solid	Medium 2	CE	1	H	1.9	\$35,625	\$1,899	\$3,216	\$477	\$460
Beef	Beef	Liquid/Solid	Medium 2	CE	1	L	1.9	\$16,085	\$1,519	\$1,977	\$453	\$460
Beef	Beef	Liquid/Solid	Medium 2	CE	1	M	3.9	\$26,984	\$1,709	\$2,649	\$465	\$460

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 2	CE	2	H	0.2	\$35,625	\$1,718	\$3,403	\$417	\$225
Beef	Beef	Liquid/Solid	Medium 2	CE	2	L	0.2	\$16,085	\$1,375	\$2,184	\$405	\$225
Beef	Beef	Liquid/Solid	Medium 2	CE	2	M	0.4	\$26,984	\$1,546	\$2,847	\$411	\$225
Beef	Beef	Liquid/Solid	Medium 2	CE	3	H	0.2	\$8,777	\$1,045	\$1,588	\$377	\$0
Beef	Beef	Liquid/Solid	Medium 2	CE	3	L	0.2	\$7,261	\$836	\$1,307	\$373	\$0
Beef	Beef	Liquid/Solid	Medium 2	CE	3	M	0.3	\$8,191	\$941	\$1,452	\$375	\$0
Beef	Beef	Liquid/Solid	Medium 2	MA	1	H	0.3	\$34,648	\$1,734	\$4,304	\$1,215	\$245
Beef	Beef	Liquid/Solid	Medium 2	MA	1	L	0.3	\$17,380	\$1,361	\$2,353	\$1,202	\$245
Beef	Beef	Liquid/Solid	Medium 2	MA	1	M	0.5	\$26,285	\$1,652	\$3,498	\$1,212	\$245
Beef	Beef	Liquid/Solid	Medium 2	MA	2	H	0.0	\$34,648	\$1,630	\$3,147	\$1,195	\$110
Beef	Beef	Liquid/Solid	Medium 2	MA	2	L	0.0	\$17,380	\$1,280	\$2,057	\$1,186	\$110
Beef	Beef	Liquid/Solid	Medium 2	MA	2	M	0.1	\$26,285	\$1,553	\$2,717	\$1,193	\$110
Beef	Beef	Liquid/Solid	Medium 2	MA	3	H	0.0	\$13,066	\$1,045	\$1,785	\$1,175	\$0
Beef	Beef	Liquid/Solid	Medium 2	MA	3	L	0.0	\$10,419	\$821	\$1,453	\$1,170	\$0
Beef	Beef	Liquid/Solid	Medium 2	MA	3	M	0.0	\$11,145	\$996	\$1,683	\$1,174	\$0
Beef	Beef	Liquid/Solid	Medium 2	MW	1	H	8.3	\$36,908	\$1,757	\$3,212	\$681	\$275
Beef	Beef	Liquid/Solid	Medium 2	MW	1	L	8.3	\$18,388	\$1,405	\$2,044	\$665	\$275
Beef	Beef	Liquid/Solid	Medium 2	MW	1	M	16.7	\$28,323	\$1,581	\$2,651	\$673	\$275
Beef	Beef	Liquid/Solid	Medium 2	MW	2	H	0.9	\$36,908	\$1,637	\$3,342	\$641	\$120
Beef	Beef	Liquid/Solid	Medium 2	MW	2	L	0.9	\$18,388	\$1,310	\$2,188	\$633	\$120
Beef	Beef	Liquid/Solid	Medium 2	MW	2	M	1.8	\$28,323	\$1,474	\$2,788	\$637	\$120
Beef	Beef	Liquid/Solid	Medium 2	MW	3	H	0.7	\$10,060	\$1,045	\$1,666	\$621	\$0
Beef	Beef	Liquid/Solid	Medium 2	MW	3	L	0.7	\$8,084	\$836	\$1,367	\$617	\$0
Beef	Beef	Liquid/Solid	Medium 2	MW	3	M	1.4	\$9,529	\$941	\$1,529	\$619	\$0
Beef	Beef	Liquid/Solid	Medium 2	PA	1	H	0.3	\$40,490	\$1,726	\$3,377	\$1,307	\$235
Beef	Beef	Liquid/Solid	Medium 2	PA	1	L	0.3	\$22,481	\$1,381	\$2,240	\$1,295	\$235
Beef	Beef	Liquid/Solid	Medium 2	PA	1	M	0.4	\$31,992	\$1,553	\$2,821	\$1,301	\$235
Beef	Beef	Liquid/Solid	Medium 2	PA	2	H	0.0	\$40,490	\$1,634	\$3,728	\$1,287	\$115

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 2	PA	2	L	0.0	\$22,481	\$1,307	\$2,602	\$1,279	\$115
Beef	Beef	Liquid/Solid	Medium 2	PA	2	M	0.0	\$31,992	\$1,470	\$3,177	\$1,283	\$115
Beef	Beef	Liquid/Solid	Medium 2	PA	3	H	0.0	\$13,642	\$1,045	\$1,849	\$1,267	\$0
Beef	Beef	Liquid/Solid	Medium 2	PA	3	L	0.0	\$11,741	\$836	\$1,555	\$1,263	\$0
Beef	Beef	Liquid/Solid	Medium 2	PA	3	M	0.0	\$13,198	\$941	\$1,715	\$1,265	\$0
Beef	Beef	Liquid/Solid	Medium 2	SO	1	H	0.0	\$40,590	\$1,838	\$4,865	\$1,473	\$380
Beef	Beef	Liquid/Solid	Medium 2	SO	1	L	0.0	\$18,906	\$1,470	\$2,435	\$1,453	\$380
Beef	Beef	Liquid/Solid	Medium 2	SO	1	M	0.1	\$31,666	\$1,709	\$3,886	\$1,466	\$380
Beef	Beef	Liquid/Solid	Medium 2	SO	2	H	0.0	\$40,590	\$1,676	\$3,555	\$1,433	\$170
Beef	Beef	Liquid/Solid	Medium 2	SO	2	L	0.0	\$18,906	\$1,341	\$2,233	\$1,421	\$170
Beef	Beef	Liquid/Solid	Medium 2	SO	2	M	0.0	\$31,666	\$1,559	\$3,031	\$1,429	\$170
Beef	Beef	Liquid/Solid	Medium 2	SO	3	H	0.0	\$14,548	\$1,045	\$1,865	\$1,393	\$0
Beef	Beef	Liquid/Solid	Medium 2	SO	3	L	0.0	\$12,463	\$836	\$1,555	\$1,389	\$0
Beef	Beef	Liquid/Solid	Medium 2	SO	3	M	0.0	\$13,677	\$972	\$1,754	\$1,392	\$0
Beef	Beef	Liquid/Solid	Medium 3	CE	1	H	1.3	\$36,821	\$2,038	\$2,001	\$655	\$640
Beef	Beef	Liquid/Solid	Medium 3	CE	1	L	1.3	\$16,777	\$1,630	\$1,639	\$623	\$640
Beef	Beef	Liquid/Solid	Medium 3	CE	1	M	2.6	\$28,042	\$1,834	\$1,825	\$639	\$640
Beef	Beef	Liquid/Solid	Medium 3	CE	2	H	0.1	\$36,821	\$1,853	\$3,527	\$595	\$400
Beef	Beef	Liquid/Solid	Medium 3	CE	2	L	0.1	\$16,777	\$1,482	\$2,273	\$575	\$400
Beef	Beef	Liquid/Solid	Medium 3	CE	2	M	0.3	\$28,042	\$1,668	\$2,960	\$585	\$400
Beef	Beef	Liquid/Solid	Medium 3	CE	3	H	0.1	\$9,973	\$1,045	\$1,634	\$515	\$0
Beef	Beef	Liquid/Solid	Medium 3	CE	3	L	0.1	\$8,216	\$836	\$1,346	\$511	\$0
Beef	Beef	Liquid/Solid	Medium 3	CE	3	M	0.2	\$9,249	\$941	\$1,495	\$513	\$0
Beef	Beef	Liquid/Solid	Medium 3	MA	1	H	0.1	\$61,183	\$1,807	\$3,175	\$1,682	\$340
Beef	Beef	Liquid/Solid	Medium 3	MA	1	L	0.1	\$26,942	\$1,419	\$2,060	\$1,665	\$340
Beef	Beef	Liquid/Solid	Medium 3	MA	1	M	0.2	\$45,216	\$1,722	\$2,737	\$1,678	\$340
Beef	Beef	Liquid/Solid	Medium 3	MA	2	H	0.0	\$36,939	\$1,703	\$3,291	\$1,662	\$205
Beef	Beef	Liquid/Solid	Medium 3	MA	2	L	0.0	\$19,123	\$1,337	\$2,174	\$1,649	\$205

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 3	MA	2	M	0.0	\$28,209	\$1,623	\$2,849	\$1,659	\$205
Beef	Beef	Liquid/Solid	Medium 3	MA	3	H	0.0	\$15,357	\$1,045	\$1,885	\$1,622	\$0
Beef	Beef	Liquid/Solid	Medium 3	MA	3	L	0.0	\$12,163	\$821	\$1,537	\$1,618	\$0
Beef	Beef	Liquid/Solid	Medium 3	MA	3	M	0.0	\$13,069	\$996	\$1,774	\$1,621	\$0
Beef	Beef	Liquid/Solid	Medium 3	MW	1	H	4.1	\$38,608	\$1,838	\$3,331	\$934	\$380
Beef	Beef	Liquid/Solid	Medium 3	MW	1	L	4.1	\$19,351	\$1,470	\$2,124	\$914	\$380
Beef	Beef	Liquid/Solid	Medium 3	MW	1	M	8.2	\$29,861	\$1,654	\$2,761	\$924	\$380
Beef	Beef	Liquid/Solid	Medium 3	MW	2	H	0.4	\$38,608	\$1,722	\$3,464	\$894	\$230
Beef	Beef	Liquid/Solid	Medium 3	MW	2	L	0.4	\$19,351	\$1,378	\$2,269	\$882	\$230
Beef	Beef	Liquid/Solid	Medium 3	MW	2	M	0.9	\$29,861	\$1,550	\$2,900	\$888	\$230
Beef	Beef	Liquid/Solid	Medium 3	MW	3	H	0.3	\$11,761	\$1,045	\$1,739	\$854	\$0
Beef	Beef	Liquid/Solid	Medium 3	MW	3	L	0.3	\$9,408	\$836	\$1,426	\$850	\$0
Beef	Beef	Liquid/Solid	Medium 3	MW	3	M	0.7	\$11,067	\$941	\$1,596	\$852	\$0
Beef	Beef	Liquid/Solid	Medium 3	PA	1	H	0.3	\$42,970	\$1,795	\$3,534	\$1,811	\$325
Beef	Beef	Liquid/Solid	Medium 3	PA	1	L	0.3	\$24,578	\$1,436	\$2,377	\$1,795	\$325
Beef	Beef	Liquid/Solid	Medium 3	PA	1	M	0.4	\$34,378	\$1,616	\$2,971	\$1,803	\$325
Beef	Beef	Liquid/Solid	Medium 3	PA	2	H	0.0	\$42,970	\$1,703	\$3,884	\$1,791	\$205
Beef	Beef	Liquid/Solid	Medium 3	PA	2	L	0.0	\$24,578	\$1,362	\$2,739	\$1,779	\$205
Beef	Beef	Liquid/Solid	Medium 3	PA	2	M	0.0	\$34,378	\$1,533	\$3,327	\$1,785	\$205
Beef	Beef	Liquid/Solid	Medium 3	PA	3	H	0.0	\$16,123	\$1,045	\$1,966	\$1,751	\$0
Beef	Beef	Liquid/Solid	Medium 3	PA	3	L	0.0	\$13,839	\$836	\$1,660	\$1,747	\$0
Beef	Beef	Liquid/Solid	Medium 3	PA	3	M	0.0	\$15,585	\$941	\$1,828	\$1,749	\$0
Beef	Beef	Liquid/Solid	Medium 3	SO	1	H	0.0	\$72,243	\$1,949	\$3,088	\$2,025	\$525
Beef	Beef	Liquid/Solid	Medium 3	SO	1	L	0.0	\$28,268	\$1,559	\$2,104	\$2,001	\$525
Beef	Beef	Liquid/Solid	Medium 3	SO	1	M	0.0	\$54,166	\$1,813	\$2,705	\$2,017	\$525
Beef	Beef	Liquid/Solid	Medium 3	SO	2	H	0.0	\$72,243	\$1,788	\$3,225	\$1,985	\$315
Beef	Beef	Liquid/Solid	Medium 3	SO	2	L	0.0	\$28,268	\$1,430	\$2,261	\$1,969	\$315
Beef	Beef	Liquid/Solid	Medium 3	SO	2	M	0.0	\$54,166	\$1,662	\$2,849	\$1,980	\$315

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 3	SO	3	H	0.0	\$17,253	\$1,045	\$1,988	\$1,925	\$0
Beef	Beef	Liquid/Solid	Medium 3	SO	3	L	0.0	\$14,662	\$836	\$1,658	\$1,921	\$0
Beef	Beef	Liquid/Solid	Medium 3	SO	3	M	0.0	\$16,183	\$972	\$1,870	\$1,924	\$0
Dairy	Flush	Liquid/Solid	Large 1	CE	1	H	20.3	\$131,634	\$3,543	\$5,225	\$560	\$2,595
Dairy	Flush	Liquid/Solid	Large 1	CE	1	L	20.3	\$0	\$2,835	\$2,074	\$448	\$2,595
Dairy	Flush	Liquid/Solid	Large 1	CE	1	M	40.8	\$110,106	\$3,189	\$4,535	\$504	\$2,595
Dairy	Flush	Liquid/Solid	Large 1	CE	2	H	38.3	\$303,357	\$2,046	\$26,286	\$160	\$650
Dairy	Flush	Liquid/Solid	Large 1	CE	2	L	38.3	\$171,724	\$1,636	\$23,309	\$128	\$650
Dairy	Flush	Liquid/Solid	Large 1	CE	2	M	77.0	\$281,830	\$1,841	\$25,683	\$144	\$650
Dairy	Flush	Liquid/Solid	Large 1	CE	3	H	16.5	\$131,634	\$1,045	\$3,983	\$20	\$0
Dairy	Flush	Liquid/Solid	Large 1	CE	3	L	16.5	\$0	\$836	\$1,080	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	CE	3	M	33.2	\$110,106	\$941	\$3,417	\$18	\$0
Dairy	Flush	Liquid/Solid	Large 1	MA	1	H	3.5	\$131,724	\$2,012	\$4,140	\$290	\$2,140
Dairy	Flush	Liquid/Solid	Large 1	MA	1	L	3.5	\$237	\$1,610	\$1,209	\$232	\$2,140
Dairy	Flush	Liquid/Solid	Large 1	MA	1	M	7.0	\$110,423	\$1,811	\$3,563	\$261	\$2,140
Dairy	Flush	Liquid/Solid	Large 1	MA	2	H	6.6	\$419,175	\$1,180	\$50,087	\$63	\$425
Dairy	Flush	Liquid/Solid	Large 1	MA	2	L	6.6	\$287,688	\$944	\$47,253	\$50	\$425
Dairy	Flush	Liquid/Solid	Large 1	MA	2	M	13.3	\$397,874	\$1,062	\$49,559	\$57	\$425
Dairy	Flush	Liquid/Solid	Large 1	MA	3	H	2.9	\$131,724	\$659	\$3,485	\$13	\$0
Dairy	Flush	Liquid/Solid	Large 1	MA	3	L	2.9	\$237	\$527	\$685	\$10	\$0
Dairy	Flush	Liquid/Solid	Large 1	MA	3	M	5.7	\$110,423	\$593	\$2,974	\$11	\$0
Dairy	Flush	Liquid/Solid	Large 1	MW	1	H	3.2	\$132,502	\$3,351	\$5,131	\$500	\$2,345
Dairy	Flush	Liquid/Solid	Large 1	MW	1	L	3.2	\$561	\$2,681	\$1,996	\$400	\$2,345
Dairy	Flush	Liquid/Solid	Large 1	MW	1	M	6.2	\$110,974	\$3,016	\$4,452	\$450	\$2,345
Dairy	Flush	Liquid/Solid	Large 1	MW	2	H	6.1	\$132,502	\$2,030	\$29,862	\$140	\$630
Dairy	Flush	Liquid/Solid	Large 1	MW	2	L	6.1	\$561	\$1,624	\$26,881	\$112	\$630
Dairy	Flush	Liquid/Solid	Large 1	MW	2	M	11.7	\$110,974	\$1,827	\$29,260	\$126	\$630
Dairy	Flush	Liquid/Solid	Large 1	MW	3	H	2.6	\$132,502	\$1,045	\$4,000	\$20	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Large 1	MW	3	L	2.6	\$561	\$836	\$1,091	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	MW	3	M	5.1	\$110,974	\$941	\$3,434	\$18	\$0
Dairy	Flush	Liquid/Solid	Large 1	PA	1	H	38.3	\$131,634	\$2,469	\$4,600	\$260	\$1,200
Dairy	Flush	Liquid/Solid	Large 1	PA	1	L	38.3	\$0	\$1,975	\$1,574	\$208	\$1,200
Dairy	Flush	Liquid/Solid	Large 1	PA	1	M	77.0	\$110,106	\$2,222	\$3,973	\$234	\$1,200
Dairy	Flush	Liquid/Solid	Large 1	PA	2	H	72.4	\$504,946	\$1,730	\$111,249	\$60	\$240
Dairy	Flush	Liquid/Solid	Large 1	PA	2	L	72.4	\$373,312	\$1,384	\$108,309	\$48	\$240
Dairy	Flush	Liquid/Solid	Large 1	PA	2	M	145.4	\$483,418	\$1,557	\$110,665	\$54	\$240
Dairy	Flush	Liquid/Solid	Large 1	PA	3	H	31.2	\$131,634	\$1,045	\$3,983	\$20	\$0
Dairy	Flush	Liquid/Solid	Large 1	PA	3	L	31.2	\$0	\$836	\$1,080	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	PA	3	M	62.7	\$110,106	\$941	\$3,417	\$18	\$0
Dairy	Flush	Liquid/Solid	Large 1	SO	1	H	4.6	\$131,941	\$2,977	\$4,902	\$400	\$1,860
Dairy	Flush	Liquid/Solid	Large 1	SO	1	L	4.6	\$0	\$2,382	\$1,811	\$320	\$1,860
Dairy	Flush	Liquid/Solid	Large 1	SO	1	M	9.2	\$110,413	\$2,680	\$4,245	\$360	\$1,860
Dairy	Flush	Liquid/Solid	Large 1	SO	2	H	8.7	\$333,529	\$1,649	\$62,194	\$40	\$135
Dairy	Flush	Liquid/Solid	Large 1	SO	2	L	8.7	\$201,588	\$1,319	\$59,257	\$32	\$135
Dairy	Flush	Liquid/Solid	Large 1	SO	2	M	17.3	\$312,001	\$1,484	\$61,614	\$36	\$135
Dairy	Flush	Liquid/Solid	Large 1	SO	3	H	3.7	\$131,941	\$1,045	\$3,989	\$20	\$0
Dairy	Flush	Liquid/Solid	Large 1	SO	3	L	3.7	\$0	\$836	\$1,080	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	SO	3	M	7.5	\$110,413	\$941	\$3,423	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	CE	1	H	8.3	\$29,265	\$1,895	\$2,079	\$120	\$455
Dairy	Flush	Liquid/Solid	Medium 1	CE	1	L	8.3	\$5,776	\$1,516	\$1,311	\$96	\$455
Dairy	Flush	Liquid/Solid	Medium 1	CE	1	M	16.8	\$29,008	\$1,706	\$1,925	\$108	\$455
Dairy	Flush	Liquid/Solid	Medium 1	CE	2	H	6.0	\$29,265	\$1,818	\$2,074	\$100	\$355
Dairy	Flush	Liquid/Solid	Medium 1	CE	2	L	6.0	\$5,776	\$1,455	\$1,315	\$80	\$355
Dairy	Flush	Liquid/Solid	Medium 1	CE	2	M	12.1	\$29,008	\$1,637	\$1,924	\$90	\$355
Dairy	Flush	Liquid/Solid	Medium 1	CE	3	H	2.3	\$29,265	\$1,045	\$1,795	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	CE	3	L	2.3	\$5,776	\$836	\$1,084	\$16	\$0

**Table C-1b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Dairy	Flush	Liquid/Solid	Medium 1	CE	3	M	4.7	\$29,008	\$941	\$1,669	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MA	1	H	16.8	\$29,302	\$1,156	\$1,505	\$63	\$375
Dairy	Flush	Liquid/Solid	Medium 1	MA	1	L	16.8	\$5,875	\$924	\$853	\$50	\$375
Dairy	Flush	Liquid/Solid	Medium 1	MA	1	M	33.6	\$29,141	\$1,040	\$1,410	\$57	\$375
Dairy	Flush	Liquid/Solid	Medium 1	MA	2	H	12.1	\$29,302	\$1,112	\$1,499	\$50	\$285
Dairy	Flush	Liquid/Solid	Medium 1	MA	2	L	12.1	\$5,875	\$890	\$852	\$40	\$285
Dairy	Flush	Liquid/Solid	Medium 1	MA	2	M	24.2	\$29,141	\$1,001	\$1,407	\$45	\$285
Dairy	Flush	Liquid/Solid	Medium 1	MA	3	H	4.7	\$29,302	\$659	\$1,349	\$13	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MA	3	L	4.7	\$5,875	\$527	\$728	\$10	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MA	3	M	9.4	\$29,141	\$593	\$1,269	\$11	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MW	1	H	14.9	\$29,628	\$1,861	\$2,066	\$100	\$410
Dairy	Flush	Liquid/Solid	Medium 1	MW	1	L	14.9	\$6,011	\$1,489	\$1,299	\$80	\$410
Dairy	Flush	Liquid/Solid	Medium 1	MW	1	M	30.2	\$29,371	\$1,675	\$1,914	\$90	\$410
Dairy	Flush	Liquid/Solid	Medium 1	MW	2	H	10.7	\$29,628	\$1,791	\$2,049	\$80	\$320
Dairy	Flush	Liquid/Solid	Medium 1	MW	2	L	10.7	\$6,011	\$1,433	\$1,290	\$64	\$320
Dairy	Flush	Liquid/Solid	Medium 1	MW	2	M	21.7	\$29,371	\$1,612	\$1,901	\$72	\$320
Dairy	Flush	Liquid/Solid	Medium 1	MW	3	H	4.2	\$29,628	\$1,045	\$1,803	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MW	3	L	4.2	\$6,011	\$836	\$1,088	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MW	3	M	8.4	\$29,371	\$941	\$1,676	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	PA	1	H	5.1	\$29,265	\$1,707	\$1,969	\$60	\$210
Dairy	Flush	Liquid/Solid	Medium 1	PA	1	L	5.1	\$5,776	\$1,365	\$1,223	\$48	\$210
Dairy	Flush	Liquid/Solid	Medium 1	PA	1	M	10.2	\$29,008	\$1,536	\$1,826	\$54	\$210
Dairy	Flush	Liquid/Solid	Medium 1	PA	2	H	3.6	\$29,265	\$1,668	\$2,002	\$60	\$160
Dairy	Flush	Liquid/Solid	Medium 1	PA	2	L	3.6	\$5,776	\$1,335	\$1,260	\$48	\$160
Dairy	Flush	Liquid/Solid	Medium 1	PA	2	M	7.3	\$29,008	\$1,501	\$1,861	\$54	\$160
Dairy	Flush	Liquid/Solid	Medium 1	PA	3	H	1.4	\$29,265	\$1,045	\$1,795	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	PA	3	L	1.4	\$5,776	\$836	\$1,084	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	PA	3	M	2.8	\$29,008	\$941	\$1,669	\$18	\$0

**Table C-1b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Dairy	Flush	Liquid/Solid	Medium 1	SO	1	H	6.3	\$29,393	\$1,795	\$2,023	\$80	\$325
Dairy	Flush	Liquid/Solid	Medium 1	SO	1	L	6.3	\$5,776	\$1,436	\$1,264	\$64	\$325
Dairy	Flush	Liquid/Solid	Medium 1	SO	1	M	12.4	\$29,136	\$1,616	\$1,875	\$72	\$325
Dairy	Flush	Liquid/Solid	Medium 1	SO	2	H	4.5	\$29,393	\$1,726	\$2,020	\$60	\$235
Dairy	Flush	Liquid/Solid	Medium 1	SO	2	L	4.5	\$5,776	\$1,381	\$1,269	\$48	\$235
Dairy	Flush	Liquid/Solid	Medium 1	SO	2	M	8.9	\$29,136	\$1,553	\$1,876	\$54	\$235
Dairy	Flush	Liquid/Solid	Medium 1	SO	3	H	1.8	\$29,393	\$1,045	\$1,798	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	SO	3	L	1.8	\$5,776	\$836	\$1,084	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	SO	3	M	3.5	\$29,136	\$941	\$1,672	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	CE	1	H	3.0	\$45,465	\$2,138	\$2,544	\$180	\$770
Dairy	Flush	Liquid/Solid	Medium 2	CE	1	L	3.0	\$8,993	\$1,710	\$1,488	\$144	\$770
Dairy	Flush	Liquid/Solid	Medium 2	CE	1	M	6.1	\$45,130	\$1,924	\$2,374	\$162	\$770
Dairy	Flush	Liquid/Solid	Medium 2	CE	2	H	2.2	\$45,465	\$1,707	\$66,471	\$60	\$210
Dairy	Flush	Liquid/Solid	Medium 2	CE	2	L	2.2	\$8,993	\$1,365	\$65,464	\$48	\$210
Dairy	Flush	Liquid/Solid	Medium 2	CE	2	M	4.4	\$45,130	\$1,536	\$66,326	\$54	\$210
Dairy	Flush	Liquid/Solid	Medium 2	CE	3	H	0.8	\$45,465	\$1,045	\$2,119	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	CE	3	L	0.8	\$8,993	\$836	\$1,148	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	CE	3	M	1.7	\$45,130	\$941	\$1,992	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MA	1	H	6.1	\$45,514	\$1,282	\$1,902	\$88	\$635
Dairy	Flush	Liquid/Solid	Medium 2	MA	1	L	6.1	\$9,122	\$1,025	\$976	\$71	\$635
Dairy	Flush	Liquid/Solid	Medium 2	MA	1	M	12.1	\$45,303	\$1,154	\$1,799	\$79	\$635
Dairy	Flush	Liquid/Solid	Medium 2	MA	2	H	4.4	\$45,514	\$1,044	\$46,646	\$25	\$145
Dairy	Flush	Liquid/Solid	Medium 2	MA	2	L	4.4	\$9,122	\$835	\$45,747	\$20	\$145
Dairy	Flush	Liquid/Solid	Medium 2	MA	2	M	8.7	\$45,303	\$940	\$46,556	\$23	\$145
Dairy	Flush	Liquid/Solid	Medium 2	MA	3	H	1.7	\$45,514	\$659	\$1,673	\$13	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MA	3	L	1.7	\$9,122	\$527	\$792	\$10	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MA	3	M	3.4	\$45,303	\$593	\$1,592	\$11	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MW	1	H	5.4	\$45,938	\$2,080	\$2,520	\$160	\$695

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 2	MW	1	L	5.4	\$9,299	\$1,664	\$1,467	\$128	\$695
Dairy	Flush	Liquid/Solid	Medium 2	MW	1	M	10.8	\$45,604	\$1,872	\$2,353	\$144	\$695
Dairy	Flush	Liquid/Solid	Medium 2	MW	2	H	3.9	\$45,938	\$1,703	\$36,228	\$60	\$205
Dairy	Flush	Liquid/Solid	Medium 2	MW	2	L	3.9	\$9,299	\$1,362	\$35,219	\$48	\$205
Dairy	Flush	Liquid/Solid	Medium 2	MW	2	M	7.8	\$45,604	\$1,533	\$36,083	\$54	\$205
Dairy	Flush	Liquid/Solid	Medium 2	MW	3	H	1.5	\$45,938	\$1,045	\$2,129	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MW	3	L	1.5	\$9,299	\$836	\$1,154	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MW	3	M	3.0	\$45,604	\$941	\$2,001	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	PA	1	H	1.9	\$45,465	\$1,818	\$2,358	\$100	\$355
Dairy	Flush	Liquid/Solid	Medium 2	PA	1	L	1.9	\$8,993	\$1,455	\$1,339	\$80	\$355
Dairy	Flush	Liquid/Solid	Medium 2	PA	1	M	3.7	\$45,130	\$1,637	\$2,207	\$90	\$355
Dairy	Flush	Liquid/Solid	Medium 2	PA	2	H	1.3	\$418,777	\$1,607	\$40,894	\$40	\$80
Dairy	Flush	Liquid/Solid	Medium 2	PA	2	L	1.3	\$382,305	\$1,285	\$39,900	\$32	\$80
Dairy	Flush	Liquid/Solid	Medium 2	PA	2	M	2.6	\$418,442	\$1,446	\$40,755	\$36	\$80
Dairy	Flush	Liquid/Solid	Medium 2	PA	3	H	0.5	\$45,465	\$1,045	\$2,119	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	PA	3	L	0.5	\$8,993	\$836	\$1,148	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	PA	3	M	1.0	\$45,130	\$941	\$1,992	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	SO	1	H	2.3	\$45,632	\$1,969	\$2,449	\$140	\$550
Dairy	Flush	Liquid/Solid	Medium 2	SO	1	L	2.3	\$8,993	\$1,575	\$1,409	\$112	\$550
Dairy	Flush	Liquid/Solid	Medium 2	SO	1	M	4.6	\$45,298	\$1,772	\$2,289	\$126	\$550
Dairy	Flush	Liquid/Solid	Medium 2	SO	2	H	1.6	\$418,944	\$1,587	\$38,307	\$20	\$55
Dairy	Flush	Liquid/Solid	Medium 2	SO	2	L	1.6	\$382,305	\$1,270	\$37,311	\$16	\$55
Dairy	Flush	Liquid/Solid	Medium 2	SO	2	M	3.3	\$418,610	\$1,429	\$38,169	\$18	\$55
Dairy	Flush	Liquid/Solid	Medium 2	SO	3	H	0.6	\$45,632	\$1,045	\$2,123	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	SO	3	L	0.6	\$8,993	\$836	\$1,148	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	SO	3	M	1.3	\$45,298	\$941	\$1,995	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	CE	1	H	1.6	\$61,054	\$2,384	\$2,999	\$240	\$1,090
Dairy	Flush	Liquid/Solid	Medium 3	CE	1	L	1.6	\$12,092	\$1,907	\$1,664	\$192	\$1,090

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 3	CE	1	M	3.2	\$60,657	\$2,146	\$2,814	\$216	\$1,090
Dairy	Flush	Liquid/Solid	Medium 3	CE	2	H	1.2	\$61,054	\$1,953	\$2,968	\$120	\$530
Dairy	Flush	Liquid/Solid	Medium 3	CE	2	L	1.2	\$12,092	\$1,562	\$1,684	\$96	\$530
Dairy	Flush	Liquid/Solid	Medium 3	CE	2	M	2.3	\$60,657	\$1,758	\$2,808	\$108	\$530
Dairy	Flush	Liquid/Solid	Medium 3	CE	3	H	0.4	\$61,054	\$1,045	\$2,431	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	CE	3	L	0.4	\$12,092	\$836	\$1,210	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	CE	3	M	0.9	\$60,657	\$941	\$2,302	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MA	1	H	1.4	\$61,113	\$1,410	\$2,289	\$126	\$900
Dairy	Flush	Liquid/Solid	Medium 3	MA	1	L	1.4	\$12,245	\$1,128	\$1,099	\$101	\$900
Dairy	Flush	Liquid/Solid	Medium 3	MA	1	M	2.5	\$60,862	\$1,269	\$2,178	\$113	\$900
Dairy	Flush	Liquid/Solid	Medium 3	MA	2	H	1.0	\$61,113	\$1,170	\$9,078	\$63	\$405
Dairy	Flush	Liquid/Solid	Medium 3	MA	2	L	1.0	\$12,245	\$936	\$7,915	\$50	\$405
Dairy	Flush	Liquid/Solid	Medium 3	MA	2	M	1.8	\$60,862	\$1,053	\$8,980	\$57	\$405
Dairy	Flush	Liquid/Solid	Medium 3	MA	3	H	0.4	\$61,113	\$659	\$1,985	\$13	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MA	3	L	0.4	\$12,245	\$527	\$855	\$10	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MA	3	M	0.7	\$60,862	\$593	\$1,903	\$11	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MW	1	H	0.9	\$61,616	\$2,303	\$2,964	\$220	\$985
Dairy	Flush	Liquid/Solid	Medium 3	MW	1	L	0.9	\$12,455	\$1,843	\$1,634	\$176	\$985
Dairy	Flush	Liquid/Solid	Medium 3	MW	1	M	1.6	\$61,219	\$2,073	\$2,783	\$198	\$985
Dairy	Flush	Liquid/Solid	Medium 3	MW	2	H	0.6	\$61,616	\$1,922	\$2,869	\$120	\$490
Dairy	Flush	Liquid/Solid	Medium 3	MW	2	L	0.6	\$12,455	\$1,538	\$1,583	\$96	\$490
Dairy	Flush	Liquid/Solid	Medium 3	MW	2	M	1.1	\$61,219	\$1,730	\$2,710	\$108	\$490
Dairy	Flush	Liquid/Solid	Medium 3	MW	3	H	0.3	\$61,616	\$1,045	\$2,442	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MW	3	L	0.3	\$12,455	\$836	\$1,217	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MW	3	M	0.4	\$61,219	\$941	\$2,313	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	PA	1	H	1.9	\$61,054	\$1,934	\$2,737	\$120	\$505
Dairy	Flush	Liquid/Solid	Medium 3	PA	1	L	1.9	\$12,092	\$1,547	\$1,455	\$96	\$505
Dairy	Flush	Liquid/Solid	Medium 3	PA	1	M	3.8	\$60,657	\$1,740	\$2,578	\$108	\$505

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 3	PA	2	H	1.4	\$61,054	\$1,718	\$24,816	\$60	\$225
Dairy	Flush	Liquid/Solid	Medium 3	PA	2	L	1.4	\$12,092	\$1,375	\$23,559	\$48	\$225
Dairy	Flush	Liquid/Solid	Medium 3	PA	2	M	2.7	\$60,657	\$1,546	\$24,669	\$54	\$225
Dairy	Flush	Liquid/Solid	Medium 3	PA	3	H	0.5	\$61,054	\$1,045	\$2,431	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	PA	3	L	0.5	\$12,092	\$836	\$1,210	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	PA	3	M	1.1	\$60,657	\$941	\$2,302	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	SO	1	H	0.9	\$61,253	\$2,146	\$2,864	\$180	\$780
Dairy	Flush	Liquid/Solid	Medium 3	SO	1	L	0.9	\$12,092	\$1,717	\$1,553	\$144	\$780
Dairy	Flush	Liquid/Solid	Medium 3	SO	1	M	2.1	\$60,855	\$1,931	\$2,693	\$162	\$780
Dairy	Flush	Liquid/Solid	Medium 3	SO	2	H	0.6	\$61,253	\$1,764	\$60,232	\$80	\$285
Dairy	Flush	Liquid/Solid	Medium 3	SO	2	L	0.6	\$12,092	\$1,412	\$58,965	\$64	\$285
Dairy	Flush	Liquid/Solid	Medium 3	SO	2	M	1.5	\$60,855	\$1,588	\$60,082	\$72	\$285
Dairy	Flush	Liquid/Solid	Medium 3	SO	3	H	0.2	\$61,253	\$1,045	\$2,435	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	SO	3	L	0.2	\$12,092	\$836	\$1,210	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	SO	3	M	0.6	\$60,855	\$941	\$2,306	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	CE	1	H	6.8	\$19,927	\$3,543	\$3,394	\$560	\$2,595
Dairy	Hose	Liquid/Solid	Large 1	CE	1	L	6.8	\$2,685	\$2,835	\$2,208	\$448	\$2,595
Dairy	Hose	Liquid/Solid	Large 1	CE	1	M	13.5	\$13,050	\$3,189	\$2,836	\$504	\$2,595
Dairy	Hose	Liquid/Solid	Large 1	CE	2	H	12.8	\$19,927	\$2,046	\$3,572	\$160	\$650
Dairy	Hose	Liquid/Solid	Large 1	CE	2	L	12.8	\$2,685	\$1,636	\$2,561	\$128	\$650
Dairy	Hose	Liquid/Solid	Large 1	CE	2	M	25.5	\$13,050	\$1,841	\$3,102	\$144	\$650
Dairy	Hose	Liquid/Solid	Large 1	CE	3	H	5.5	\$6,503	\$1,045	\$1,480	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	CE	3	L	5.5	\$0	\$836	\$1,080	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	CE	3	M	11.0	\$4,996	\$941	\$1,315	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	MA	1	H	3.5	\$38,086	\$2,012	\$2,292	\$290	\$2,140
Dairy	Hose	Liquid/Solid	Large 1	MA	1	L	3.5	\$12,253	\$1,610	\$1,459	\$232	\$2,140
Dairy	Hose	Liquid/Solid	Large 1	MA	1	M	7.0	\$27,921	\$1,811	\$1,931	\$261	\$2,140
Dairy	Hose	Liquid/Solid	Large 1	MA	2	H	6.6	\$21,448	\$1,180	\$2,874	\$63	\$425

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Large 1	MA	2	L	6.6	\$5,905	\$944	\$2,083	\$50	\$425
Dairy	Hose	Liquid/Solid	Large 1	MA	2	M	13.3	\$15,977	\$1,062	\$2,537	\$57	\$425
Dairy	Hose	Liquid/Solid	Large 1	MA	3	H	2.9	\$6,593	\$659	\$983	\$13	\$0
Dairy	Hose	Liquid/Solid	Large 1	MA	3	L	2.9	\$237	\$527	\$685	\$10	\$0
Dairy	Hose	Liquid/Solid	Large 1	MA	3	M	5.7	\$5,313	\$593	\$872	\$11	\$0
Dairy	Hose	Liquid/Solid	Large 1	MW	1	H	3.2	\$31,992	\$3,351	\$3,859	\$500	\$2,345
Dairy	Hose	Liquid/Solid	Large 1	MW	1	L	3.2	\$4,228	\$2,681	\$2,179	\$400	\$2,345
Dairy	Hose	Liquid/Solid	Large 1	MW	1	M	6.5	\$21,121	\$3,016	\$3,113	\$450	\$2,345
Dairy	Hose	Liquid/Solid	Large 1	MW	2	H	6.1	\$31,992	\$2,030	\$3,542	\$140	\$630
Dairy	Hose	Liquid/Solid	Large 1	MW	2	L	6.1	\$4,228	\$1,624	\$2,016	\$112	\$630
Dairy	Hose	Liquid/Solid	Large 1	MW	2	M	12.2	\$21,121	\$1,827	\$2,873	\$126	\$630
Dairy	Hose	Liquid/Solid	Large 1	MW	3	H	2.6	\$7,371	\$1,045	\$1,497	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	MW	3	L	2.6	\$561	\$836	\$1,091	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	MW	3	M	5.3	\$5,864	\$941	\$1,332	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	PA	1	H	12.7	\$19,927	\$2,469	\$2,769	\$260	\$1,200
Dairy	Hose	Liquid/Solid	Large 1	PA	1	L	12.7	\$2,685	\$1,975	\$1,708	\$208	\$1,200
Dairy	Hose	Liquid/Solid	Large 1	PA	1	M	25.9	\$13,050	\$2,222	\$2,273	\$234	\$1,200
Dairy	Hose	Liquid/Solid	Large 1	PA	2	H	24.0	\$19,927	\$1,730	\$5,240	\$60	\$240
Dairy	Hose	Liquid/Solid	Large 1	PA	2	L	24.0	\$2,685	\$1,384	\$4,265	\$48	\$240
Dairy	Hose	Liquid/Solid	Large 1	PA	2	M	49.0	\$13,050	\$1,557	\$4,787	\$54	\$240
Dairy	Hose	Liquid/Solid	Large 1	PA	3	H	10.3	\$6,503	\$1,045	\$1,480	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	PA	3	L	10.3	\$0	\$836	\$1,080	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	PA	3	M	21.1	\$4,996	\$941	\$1,315	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	SO	1	H	1.6	\$43,568	\$2,977	\$2,763	\$400	\$1,860
Dairy	Hose	Liquid/Solid	Large 1	SO	1	L	1.6	\$20,924	\$2,382	\$2,018	\$320	\$1,860
Dairy	Hose	Liquid/Solid	Large 1	SO	1	M	3.0	\$34,144	\$2,680	\$2,428	\$360	\$1,860
Dairy	Hose	Liquid/Solid	Large 1	SO	2	H	3.1	\$24,261	\$1,649	\$7,766	\$40	\$135
Dairy	Hose	Liquid/Solid	Large 1	SO	2	L	3.1	\$9,934	\$1,319	\$6,956	\$32	\$135

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Large 1	SO	2	M	5.6	\$18,995	\$1,484	\$7,399	\$36	\$135
Dairy	Hose	Liquid/Solid	Large 1	SO	3	H	1.3	\$6,809	\$1,045	\$1,486	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	SO	3	L	1.3	\$0	\$836	\$1,080	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	SO	3	M	2.4	\$5,303	\$941	\$1,321	\$18	\$0
Dairy	Hose	Liquid/Solid	Medium 1	CE	1	H	8.3	\$22,903	\$1,895	\$2,519	\$2,062	\$455
Dairy	Hose	Liquid/Solid	Medium 1	CE	1	L	8.3	\$8,895	\$1,516	\$1,618	\$2,038	\$455
Dairy	Hose	Liquid/Solid	Medium 1	CE	1	M	16.7	\$17,277	\$1,706	\$2,096	\$2,050	\$455
Dairy	Hose	Liquid/Solid	Medium 1	CE	2	H	6.0	\$22,903	\$1,818	\$2,594	\$2,042	\$355
Dairy	Hose	Liquid/Solid	Medium 1	CE	2	L	6.0	\$8,895	\$1,455	\$1,702	\$2,022	\$355
Dairy	Hose	Liquid/Solid	Medium 1	CE	2	M	12.0	\$17,277	\$1,637	\$2,176	\$2,032	\$355
Dairy	Hose	Liquid/Solid	Medium 1	CE	3	H	2.3	\$9,479	\$1,045	\$1,564	\$1,962	\$0
Dairy	Hose	Liquid/Solid	Medium 1	CE	3	L	2.3	\$6,210	\$836	\$1,257	\$1,958	\$0
Dairy	Hose	Liquid/Solid	Medium 1	CE	3	M	4.7	\$9,223	\$941	\$1,438	\$1,960	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MA	1	H	50.6	\$24,210	\$1,180	\$2,028	\$1,875	\$375
Dairy	Hose	Liquid/Solid	Medium 1	MA	1	L	50.6	\$10,951	\$944	\$1,274	\$1,862	\$375
Dairy	Hose	Liquid/Solid	Medium 1	MA	1	M	100.9	\$19,374	\$1,062	\$1,697	\$1,869	\$375
Dairy	Hose	Liquid/Solid	Medium 1	MA	2	H	36.4	\$24,210	\$1,136	\$2,056	\$1,862	\$285
Dairy	Hose	Liquid/Solid	Medium 1	MA	2	L	36.4	\$10,951	\$908	\$1,308	\$1,852	\$285
Dairy	Hose	Liquid/Solid	Medium 1	MA	2	M	72.7	\$19,374	\$1,022	\$1,729	\$1,857	\$285
Dairy	Hose	Liquid/Solid	Medium 1	MA	3	H	14.2	\$8,984	\$673	\$1,107	\$1,824	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MA	3	L	14.2	\$5,746	\$538	\$886	\$1,821	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MA	3	M	28.3	\$8,807	\$605	\$1,025	\$1,822	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MW	1	H	44.8	\$33,370	\$1,861	\$3,011	\$1,550	\$410
Dairy	Hose	Liquid/Solid	Medium 1	MW	1	L	44.8	\$8,842	\$1,489	\$1,594	\$1,530	\$410
Dairy	Hose	Liquid/Solid	Medium 1	MW	1	M	89.6	\$23,409	\$1,675	\$2,375	\$1,540	\$410
Dairy	Hose	Liquid/Solid	Medium 1	MW	2	H	32.2	\$33,370	\$1,791	\$3,041	\$1,530	\$320
Dairy	Hose	Liquid/Solid	Medium 1	MW	2	L	32.2	\$8,842	\$1,433	\$1,632	\$1,514	\$320
Dairy	Hose	Liquid/Solid	Medium 1	MW	2	M	64.5	\$23,409	\$1,612	\$2,408	\$1,522	\$320

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 1	MW	3	H	12.5	\$8,852	\$1,045	\$1,522	\$1,470	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MW	3	L	12.5	\$5,397	\$836	\$1,211	\$1,466	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MW	3	M	25.1	\$8,567	\$941	\$1,395	\$1,468	\$0
Dairy	Hose	Liquid/Solid	Medium 1	PA	1	H	5.1	\$25,328	\$1,707	\$2,531	\$2,874	\$210
Dairy	Hose	Liquid/Solid	Medium 1	PA	1	L	5.1	\$11,320	\$1,365	\$1,652	\$2,862	\$210
Dairy	Hose	Liquid/Solid	Medium 1	PA	1	M	10.2	\$19,702	\$1,536	\$2,119	\$2,868	\$210
Dairy	Hose	Liquid/Solid	Medium 1	PA	2	H	3.7	\$25,328	\$1,668	\$2,661	\$2,874	\$160
Dairy	Hose	Liquid/Solid	Medium 1	PA	2	L	3.7	\$11,320	\$1,335	\$1,786	\$2,862	\$160
Dairy	Hose	Liquid/Solid	Medium 1	PA	2	M	7.3	\$19,702	\$1,501	\$2,251	\$2,868	\$160
Dairy	Hose	Liquid/Solid	Medium 1	PA	3	H	1.4	\$11,904	\$1,045	\$1,686	\$2,834	\$0
Dairy	Hose	Liquid/Solid	Medium 1	PA	3	L	1.4	\$8,636	\$836	\$1,378	\$2,830	\$0
Dairy	Hose	Liquid/Solid	Medium 1	PA	3	M	2.8	\$11,648	\$941	\$1,559	\$2,832	\$0
Dairy	Hose	Liquid/Solid	Medium 1	SO	1	H	6.3	\$28,639	\$1,795	\$2,744	\$3,016	\$325
Dairy	Hose	Liquid/Solid	Medium 1	SO	1	L	6.3	\$17,725	\$1,436	\$2,013	\$3,000	\$325
Dairy	Hose	Liquid/Solid	Medium 1	SO	1	M	12.3	\$24,624	\$1,616	\$2,407	\$3,008	\$325
Dairy	Hose	Liquid/Solid	Medium 1	SO	2	H	4.5	\$28,639	\$1,726	\$2,791	\$2,996	\$235
Dairy	Hose	Liquid/Solid	Medium 1	SO	2	L	4.5	\$17,725	\$1,381	\$2,068	\$2,984	\$235
Dairy	Hose	Liquid/Solid	Medium 1	SO	2	M	8.8	\$24,624	\$1,553	\$2,458	\$2,990	\$235
Dairy	Hose	Liquid/Solid	Medium 1	SO	3	H	1.8	\$11,188	\$1,045	\$1,646	\$2,956	\$0
Dairy	Hose	Liquid/Solid	Medium 1	SO	3	L	1.8	\$7,791	\$836	\$1,336	\$2,952	\$0
Dairy	Hose	Liquid/Solid	Medium 1	SO	3	M	3.4	\$10,932	\$941	\$1,520	\$2,954	\$0
Dairy	Hose	Liquid/Solid	Medium 2	CE	1	H	3.0	\$25,653	\$2,138	\$2,779	\$3,482	\$770
Dairy	Hose	Liquid/Solid	Medium 2	CE	1	L	3.0	\$11,120	\$1,710	\$1,839	\$3,446	\$770
Dairy	Hose	Liquid/Solid	Medium 2	CE	1	M	6.0	\$19,949	\$1,924	\$2,340	\$3,464	\$770
Dairy	Hose	Liquid/Solid	Medium 2	CE	2	H	2.2	\$25,653	\$1,707	\$3,190	\$3,362	\$210
Dairy	Hose	Liquid/Solid	Medium 2	CE	2	L	2.2	\$11,120	\$1,365	\$2,301	\$3,350	\$210
Dairy	Hose	Liquid/Solid	Medium 2	CE	2	M	4.3	\$19,949	\$1,536	\$2,777	\$3,356	\$210
Dairy	Hose	Liquid/Solid	Medium 2	CE	3	H	0.8	\$12,229	\$1,045	\$1,683	\$3,322	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 2	CE	3	L	0.8	\$8,436	\$836	\$1,365	\$3,318	\$0
Dairy	Hose	Liquid/Solid	Medium 2	CE	3	M	1.7	\$11,895	\$941	\$1,555	\$3,320	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MA	1	H	18.2	\$26,900	\$1,309	\$2,218	\$3,168	\$635
Dairy	Hose	Liquid/Solid	Medium 2	MA	1	L	18.2	\$13,125	\$1,047	\$1,439	\$3,150	\$635
Dairy	Hose	Liquid/Solid	Medium 2	MA	1	M	36.6	\$22,010	\$1,178	\$1,879	\$3,159	\$635
Dairy	Hose	Liquid/Solid	Medium 2	MA	2	H	13.1	\$26,900	\$1,066	\$2,379	\$3,104	\$145
Dairy	Hose	Liquid/Solid	Medium 2	MA	2	L	13.1	\$13,125	\$853	\$1,628	\$3,099	\$145
Dairy	Hose	Liquid/Solid	Medium 2	MA	2	M	26.3	\$22,010	\$960	\$2,054	\$3,101	\$145
Dairy	Hose	Liquid/Solid	Medium 2	MA	3	H	5.1	\$11,674	\$673	\$1,222	\$3,091	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MA	3	L	5.1	\$7,921	\$538	\$991	\$3,088	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MA	3	M	10.2	\$11,443	\$605	\$1,139	\$3,090	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MW	1	H	16.2	\$36,034	\$2,080	\$6,402	\$2,626	\$695
Dairy	Hose	Liquid/Solid	Medium 2	MW	1	L	16.2	\$10,924	\$1,664	\$2,238	\$2,594	\$695
Dairy	Hose	Liquid/Solid	Medium 2	MW	1	M	32.2	\$25,986	\$1,872	\$4,507	\$2,610	\$695
Dairy	Hose	Liquid/Solid	Medium 2	MW	2	H	11.7	\$36,034	\$1,703	\$3,416	\$2,526	\$205
Dairy	Hose	Liquid/Solid	Medium 2	MW	2	L	11.7	\$10,924	\$1,362	\$2,005	\$2,514	\$205
Dairy	Hose	Liquid/Solid	Medium 2	MW	2	M	23.2	\$25,986	\$1,533	\$2,787	\$2,520	\$205
Dairy	Hose	Liquid/Solid	Medium 2	MW	3	H	4.5	\$11,516	\$1,045	\$1,633	\$2,486	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MW	3	L	4.5	\$7,479	\$836	\$1,310	\$2,482	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MW	3	M	9.0	\$11,144	\$941	\$1,504	\$2,484	\$0
Dairy	Hose	Liquid/Solid	Medium 2	PA	1	H	1.9	\$53,519	\$1,818	\$2,762	\$1,324	\$355
Dairy	Hose	Liquid/Solid	Medium 2	PA	1	L	1.9	\$38,986	\$1,455	\$1,860	\$1,304	\$355
Dairy	Hose	Liquid/Solid	Medium 2	PA	1	M	3.6	\$47,815	\$1,637	\$2,342	\$1,314	\$355
Dairy	Hose	Liquid/Solid	Medium 2	PA	2	H	1.3	\$53,519	\$1,607	\$3,481	\$1,264	\$80
Dairy	Hose	Liquid/Solid	Medium 2	PA	2	L	1.3	\$38,986	\$1,285	\$2,603	\$1,256	\$80
Dairy	Hose	Liquid/Solid	Medium 2	PA	2	M	2.6	\$47,815	\$1,446	\$3,074	\$1,260	\$80
Dairy	Hose	Liquid/Solid	Medium 2	PA	3	H	0.5	\$40,095	\$1,045	\$1,852	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 2	PA	3	L	0.5	\$36,301	\$836	\$1,534	\$1,240	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 2	PA	3	M	1.0	\$39,761	\$941	\$1,724	\$1,242	\$0
Dairy	Hose	Liquid/Solid	Medium 2	SO	1	H	2.1	\$56,407	\$1,969	\$2,989	\$1,364	\$550
Dairy	Hose	Liquid/Solid	Medium 2	SO	1	L	2.1	\$44,929	\$1,575	\$2,227	\$1,336	\$550
Dairy	Hose	Liquid/Solid	Medium 2	SO	1	M	4.6	\$52,314	\$1,772	\$2,641	\$1,350	\$550
Dairy	Hose	Liquid/Solid	Medium 2	SO	2	H	1.5	\$56,407	\$1,587	\$3,246	\$1,244	\$55
Dairy	Hose	Liquid/Solid	Medium 2	SO	2	L	1.5	\$44,929	\$1,270	\$2,528	\$1,240	\$55
Dairy	Hose	Liquid/Solid	Medium 2	SO	2	M	3.3	\$52,314	\$1,429	\$2,919	\$1,242	\$55
Dairy	Hose	Liquid/Solid	Medium 2	SO	3	H	0.6	\$38,956	\$1,045	\$1,790	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 2	SO	3	L	0.6	\$34,995	\$836	\$1,469	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 2	SO	3	M	1.3	\$38,622	\$941	\$1,662	\$1,242	\$0
Dairy	Hose	Liquid/Solid	Medium 3	CE	1	H	1.5	\$28,306	\$2,384	\$4,656	\$4,901	\$1,090
Dairy	Hose	Liquid/Solid	Medium 3	CE	1	L	1.5	\$13,290	\$1,907	\$2,383	\$4,853	\$1,090
Dairy	Hose	Liquid/Solid	Medium 3	CE	1	M	3.2	\$22,539	\$2,146	\$3,555	\$4,877	\$1,090
Dairy	Hose	Liquid/Solid	Medium 3	CE	2	H	1.1	\$28,306	\$1,953	\$3,447	\$4,781	\$530
Dairy	Hose	Liquid/Solid	Medium 3	CE	2	L	1.1	\$13,290	\$1,562	\$2,519	\$4,757	\$530
Dairy	Hose	Liquid/Solid	Medium 3	CE	2	M	2.3	\$22,539	\$1,758	\$3,018	\$4,769	\$530
Dairy	Hose	Liquid/Solid	Medium 3	CE	3	H	0.4	\$14,882	\$1,045	\$1,798	\$4,681	\$0
Dairy	Hose	Liquid/Solid	Medium 3	CE	3	L	0.4	\$10,605	\$836	\$1,471	\$4,677	\$0
Dairy	Hose	Liquid/Solid	Medium 3	CE	3	M	0.9	\$14,484	\$941	\$1,669	\$4,679	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MA	1	H	3.9	\$45,700	\$1,440	\$2,402	\$943	\$900
Dairy	Hose	Liquid/Solid	Medium 3	MA	1	L	3.9	\$31,450	\$1,152	\$1,599	\$917	\$900
Dairy	Hose	Liquid/Solid	Medium 3	MA	1	M	7.7	\$40,767	\$1,296	\$2,055	\$930	\$900
Dairy	Hose	Liquid/Solid	Medium 3	MA	2	H	2.8	\$45,700	\$1,195	\$2,561	\$878	\$405
Dairy	Hose	Liquid/Solid	Medium 3	MA	2	L	2.8	\$31,450	\$956	\$1,786	\$866	\$405
Dairy	Hose	Liquid/Solid	Medium 3	MA	2	M	5.5	\$40,767	\$1,076	\$2,228	\$872	\$405
Dairy	Hose	Liquid/Solid	Medium 3	MA	3	H	1.1	\$30,474	\$673	\$1,330	\$827	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MA	3	L	1.1	\$26,245	\$538	\$1,089	\$824	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MA	3	M	2.2	\$30,200	\$605	\$1,246	\$826	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 3	MW	1	H	2.5	\$54,861	\$2,303	\$3,487	\$1,034	\$985
Dairy	Hose	Liquid/Solid	Medium 3	MW	1	L	2.5	\$29,223	\$1,843	\$1,996	\$990	\$985
Dairy	Hose	Liquid/Solid	Medium 3	MW	1	M	4.7	\$44,743	\$2,073	\$2,821	\$1,012	\$985
Dairy	Hose	Liquid/Solid	Medium 3	MW	2	H	1.8	\$54,861	\$1,922	\$3,650	\$934	\$490
Dairy	Hose	Liquid/Solid	Medium 3	MW	2	L	1.8	\$29,223	\$1,538	\$2,203	\$910	\$490
Dairy	Hose	Liquid/Solid	Medium 3	MW	2	M	3.4	\$44,743	\$1,730	\$3,006	\$922	\$490
Dairy	Hose	Liquid/Solid	Medium 3	MW	3	H	0.7	\$30,344	\$1,045	\$1,740	\$834	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MW	3	L	0.7	\$25,778	\$836	\$1,407	\$830	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MW	3	M	1.3	\$29,901	\$941	\$1,610	\$832	\$0
Dairy	Hose	Liquid/Solid	Medium 3	PA	1	H	1.9	\$57,051	\$1,934	\$2,989	\$1,344	\$505
Dairy	Hose	Liquid/Solid	Medium 3	PA	1	L	1.9	\$42,035	\$1,547	\$2,063	\$1,320	\$505
Dairy	Hose	Liquid/Solid	Medium 3	PA	1	M	3.7	\$51,284	\$1,740	\$2,561	\$1,332	\$505
Dairy	Hose	Liquid/Solid	Medium 3	PA	2	H	1.4	\$57,051	\$1,718	\$3,703	\$1,284	\$225
Dairy	Hose	Liquid/Solid	Medium 3	PA	2	L	1.4	\$42,035	\$1,375	\$2,802	\$1,272	\$225
Dairy	Hose	Liquid/Solid	Medium 3	PA	2	M	2.7	\$51,284	\$1,546	\$3,287	\$1,278	\$225
Dairy	Hose	Liquid/Solid	Medium 3	PA	3	H	0.5	\$43,627	\$1,045	\$2,011	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 3	PA	3	L	0.5	\$39,350	\$836	\$1,684	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 3	PA	3	M	1.0	\$43,229	\$941	\$1,882	\$1,242	\$0
Dairy	Hose	Liquid/Solid	Medium 3	SO	1	H	0.9	\$59,522	\$2,146	\$9,723	\$1,404	\$780
Dairy	Hose	Liquid/Solid	Medium 3	SO	1	L	0.9	\$47,529	\$1,717	\$6,133	\$1,368	\$780
Dairy	Hose	Liquid/Solid	Medium 3	SO	1	M	1.9	\$55,365	\$1,931	\$7,965	\$1,386	\$780
Dairy	Hose	Liquid/Solid	Medium 3	SO	2	H	0.6	\$59,522	\$1,764	\$3,484	\$1,304	\$285
Dairy	Hose	Liquid/Solid	Medium 3	SO	2	L	0.6	\$47,529	\$1,412	\$2,735	\$1,288	\$285
Dairy	Hose	Liquid/Solid	Medium 3	SO	2	M	1.4	\$55,365	\$1,588	\$3,146	\$1,296	\$285
Dairy	Hose	Liquid/Solid	Medium 3	SO	3	H	0.2	\$42,070	\$1,045	\$1,927	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 3	SO	3	L	0.2	\$37,595	\$836	\$1,596	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 3	SO	3	M	0.5	\$41,673	\$941	\$1,798	\$1,242	\$0
Heifers	Heifers	Liquid/Solid	Large 1	CE	1	H	24.5	\$30,772	\$1,830	\$3,043	\$100	\$370

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Large 1	CE	1	L	24.5	\$10,602	\$1,464	\$1,776	\$80	\$370
Heifers	Heifers	Liquid/Solid	Large 1	CE	1	M	49.6	\$21,830	\$1,647	\$2,458	\$90	\$370
Heifers	Heifers	Liquid/Solid	Large 1	CE	2	H	7.6	\$30,772	\$1,795	\$3,187	\$80	\$325
Heifers	Heifers	Liquid/Solid	Large 1	CE	2	L	7.6	\$10,602	\$1,436	\$1,924	\$64	\$325
Heifers	Heifers	Liquid/Solid	Large 1	CE	2	M	15.3	\$21,830	\$1,616	\$2,604	\$72	\$325
Heifers	Heifers	Liquid/Solid	Large 1	CE	3	H	4.0	\$3,924	\$1,045	\$1,455	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	CE	3	L	4.0	\$1,380	\$836	\$1,118	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	CE	3	M	8.0	\$3,037	\$941	\$1,297	\$18	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MA	1	H	0.0	\$54,237	\$1,780	\$4,754	\$80	\$305
Heifers	Heifers	Liquid/Solid	Large 1	MA	1	L	0.0	\$17,292	\$1,398	\$2,260	\$63	\$305
Heifers	Heifers	Liquid/Solid	Large 1	MA	1	M	0.0	\$36,795	\$1,696	\$3,711	\$76	\$305
Heifers	Heifers	Liquid/Solid	Large 1	MA	2	H	0.0	\$53,094	\$1,749	\$4,107	\$80	\$265
Heifers	Heifers	Liquid/Solid	Large 1	MA	2	L	0.0	\$16,924	\$1,373	\$2,277	\$63	\$265
Heifers	Heifers	Liquid/Solid	Large 1	MA	2	M	0.0	\$35,994	\$1,667	\$3,355	\$76	\$265
Heifers	Heifers	Liquid/Solid	Large 1	MA	3	H	0.0	\$6,496	\$1,045	\$1,549	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MA	3	L	0.0	\$1,895	\$821	\$1,126	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MA	3	M	0.0	\$3,304	\$996	\$1,408	\$19	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MW	1	H	0.0	\$31,296	\$1,780	\$3,063	\$80	\$305
Heifers	Heifers	Liquid/Solid	Large 1	MW	1	L	0.0	\$11,611	\$1,424	\$1,834	\$64	\$305
Heifers	Heifers	Liquid/Solid	Large 1	MW	1	M	0.0	\$22,352	\$1,602	\$2,473	\$72	\$305
Heifers	Heifers	Liquid/Solid	Large 1	MW	2	H	0.0	\$31,296	\$1,749	\$3,186	\$80	\$265
Heifers	Heifers	Liquid/Solid	Large 1	MW	2	L	0.0	\$11,611	\$1,399	\$1,961	\$64	\$265
Heifers	Heifers	Liquid/Solid	Large 1	MW	2	M	0.0	\$22,352	\$1,574	\$2,598	\$72	\$265
Heifers	Heifers	Liquid/Solid	Large 1	MW	3	H	0.0	\$4,449	\$1,045	\$1,504	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MW	3	L	0.0	\$872	\$836	\$1,124	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MW	3	M	0.0	\$3,559	\$941	\$1,339	\$18	\$0
Heifers	Heifers	Liquid/Solid	Large 1	PA	1	H	16.3	\$30,781	\$1,691	\$2,986	\$60	\$190
Heifers	Heifers	Liquid/Solid	Large 1	PA	1	L	16.3	\$11,405	\$1,353	\$1,782	\$48	\$190

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Large 1	PA	1	M	33.3	\$21,940	\$1,522	\$2,406	\$54	\$190
Heifers	Heifers	Liquid/Solid	Large 1	PA	2	H	5.0	\$30,781	\$1,672	\$3,754	\$60	\$165
Heifers	Heifers	Liquid/Solid	Large 1	PA	2	L	5.0	\$11,405	\$1,338	\$2,553	\$48	\$165
Heifers	Heifers	Liquid/Solid	Large 1	PA	2	M	10.3	\$21,940	\$1,505	\$3,175	\$54	\$165
Heifers	Heifers	Liquid/Solid	Large 1	PA	3	H	2.6	\$3,933	\$1,045	\$1,479	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	PA	3	L	2.6	\$666	\$836	\$1,113	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	PA	3	M	5.4	\$3,146	\$941	\$1,318	\$18	\$0
Heifers	Heifers	Liquid/Solid	Large 1	SO	1	H	0.0	\$64,274	\$1,780	\$4,932	\$80	\$305
Heifers	Heifers	Liquid/Solid	Large 1	SO	1	L	0.0	\$17,435	\$1,424	\$2,132	\$64	\$305
Heifers	Heifers	Liquid/Solid	Large 1	SO	1	M	0.0	\$45,053	\$1,655	\$3,806	\$74	\$305
Heifers	Heifers	Liquid/Solid	Large 1	SO	2	H	0.0	\$63,695	\$1,749	\$19,068	\$80	\$265
Heifers	Heifers	Liquid/Solid	Large 1	SO	2	L	0.0	\$17,292	\$1,399	\$16,666	\$64	\$265
Heifers	Heifers	Liquid/Solid	Large 1	SO	2	M	0.0	\$44,654	\$1,627	\$18,105	\$74	\$265
Heifers	Heifers	Liquid/Solid	Large 1	SO	3	H	0.0	\$7,307	\$1,045	\$1,600	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	SO	3	L	0.0	\$3,340	\$836	\$1,188	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	SO	3	M	0.0	\$5,705	\$972	\$1,453	\$19	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	CE	1	H	1.8	\$61,508	\$1,622	\$4,358	\$525	\$100
Heifers	Heifers	Liquid/Solid	Medium 1	CE	1	L	1.8	\$23,704	\$1,298	\$2,230	\$517	\$100
Heifers	Heifers	Liquid/Solid	Medium 1	CE	1	M	3.4	\$44,892	\$1,460	\$3,407	\$521	\$100
Heifers	Heifers	Liquid/Solid	Medium 1	CE	2	H	0.2	\$61,508	\$1,587	\$4,502	\$505	\$55
Heifers	Heifers	Liquid/Solid	Medium 1	CE	2	L	0.2	\$23,704	\$1,270	\$2,378	\$501	\$55
Heifers	Heifers	Liquid/Solid	Medium 1	CE	2	M	0.4	\$44,892	\$1,429	\$3,552	\$503	\$55
Heifers	Heifers	Liquid/Solid	Medium 1	CE	3	H	0.2	\$7,812	\$1,045	\$1,548	\$505	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	CE	3	L	0.2	\$6,583	\$836	\$1,274	\$501	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	CE	3	M	0.3	\$7,305	\$941	\$1,415	\$503	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MA	1	H	0.0	\$54,143	\$1,607	\$3,968	\$1,609	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	MA	1	L	0.0	\$22,765	\$1,262	\$2,164	\$1,600	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	MA	1	M	0.0	\$39,691	\$1,531	\$3,225	\$1,607	\$80

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 1	MA	2	H	0.0	\$54,143	\$1,576	\$11,163	\$1,589	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	MA	2	L	0.0	\$22,765	\$1,237	\$9,363	\$1,584	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	MA	2	M	0.0	\$39,691	\$1,502	\$10,421	\$1,588	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	MA	3	H	0.0	\$10,979	\$1,045	\$1,694	\$1,589	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MA	3	L	0.0	\$8,843	\$821	\$1,377	\$1,584	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MA	3	M	0.0	\$9,411	\$996	\$1,601	\$1,588	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MW	1	H	31.4	\$62,441	\$1,607	\$4,407	\$856	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	MW	1	L	31.4	\$27,075	\$1,285	\$2,406	\$848	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	MW	1	M	63.1	\$45,877	\$1,446	\$3,455	\$852	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	MW	2	H	3.4	\$62,441	\$1,576	\$4,530	\$836	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	MW	2	L	3.4	\$27,075	\$1,261	\$2,533	\$832	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	MW	2	M	6.8	\$45,877	\$1,418	\$3,580	\$834	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	MW	3	H	2.6	\$8,745	\$1,045	\$1,606	\$836	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MW	3	L	2.6	\$7,189	\$836	\$1,319	\$832	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MW	3	M	5.3	\$8,290	\$941	\$1,471	\$834	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	PA	1	H	0.9	\$65,075	\$1,584	\$4,531	\$1,715	\$50
Heifers	Heifers	Liquid/Solid	Medium 1	PA	1	L	0.9	\$31,313	\$1,267	\$2,616	\$1,711	\$50
Heifers	Heifers	Liquid/Solid	Medium 1	PA	1	M	1.7	\$48,607	\$1,425	\$3,584	\$1,713	\$50
Heifers	Heifers	Liquid/Solid	Medium 1	PA	2	H	0.1	\$65,075	\$1,568	\$22,282	\$1,715	\$30
Heifers	Heifers	Liquid/Solid	Medium 1	PA	2	L	0.1	\$31,313	\$1,254	\$20,368	\$1,711	\$30
Heifers	Heifers	Liquid/Solid	Medium 1	PA	2	M	0.2	\$48,607	\$1,411	\$21,335	\$1,713	\$30
Heifers	Heifers	Liquid/Solid	Medium 1	PA	3	H	0.1	\$11,379	\$1,045	\$1,744	\$1,715	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	PA	3	L	0.1	\$9,835	\$836	\$1,460	\$1,711	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	PA	3	M	0.1	\$11,020	\$941	\$1,612	\$1,713	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	SO	1	H	0.0	\$64,170	\$1,607	\$4,475	\$1,905	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	SO	1	L	0.0	\$23,338	\$1,285	\$2,197	\$1,897	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	SO	1	M	0.0	\$47,372	\$1,494	\$3,556	\$1,903	\$80
Heifers	Heifers	Liquid/Solid	Medium 1	SO	2	H	0.0	\$64,170	\$1,576	\$18,744	\$1,885	\$40

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 1	SO	2	L	0.0	\$23,338	\$1,261	\$16,470	\$1,881	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	SO	2	M	0.0	\$47,372	\$1,465	\$17,827	\$1,884	\$40
Heifers	Heifers	Liquid/Solid	Medium 1	SO	3	H	0.0	\$12,085	\$1,045	\$1,755	\$1,885	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	SO	3	L	0.0	\$10,451	\$836	\$1,460	\$1,881	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	SO	3	M	0.0	\$11,396	\$972	\$1,650	\$1,884	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	CE	1	H	4.5	\$35,802	\$1,664	\$3,087	\$439	\$155
Heifers	Heifers	Liquid/Solid	Medium 2	CE	1	L	4.5	\$16,216	\$1,331	\$1,873	\$427	\$155
Heifers	Heifers	Liquid/Solid	Medium 2	CE	1	M	9.2	\$27,144	\$1,498	\$2,533	\$433	\$155
Heifers	Heifers	Liquid/Solid	Medium 2	CE	2	H	0.5	\$35,802	\$1,630	\$3,231	\$419	\$110
Heifers	Heifers	Liquid/Solid	Medium 2	CE	2	L	0.5	\$16,216	\$1,304	\$2,021	\$411	\$110
Heifers	Heifers	Liquid/Solid	Medium 2	CE	2	M	1.0	\$27,144	\$1,467	\$2,679	\$415	\$110
Heifers	Heifers	Liquid/Solid	Medium 2	CE	3	H	0.4	\$8,954	\$1,045	\$1,595	\$399	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	CE	3	L	0.4	\$7,392	\$836	\$1,312	\$395	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	CE	3	M	0.8	\$8,350	\$941	\$1,459	\$397	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MA	1	H	0.0	\$35,029	\$1,641	\$3,016	\$1,266	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	MA	1	L	0.0	\$17,670	\$1,289	\$1,922	\$1,257	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	MA	1	M	0.0	\$26,604	\$1,564	\$2,584	\$1,264	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	MA	2	H	0.0	\$35,029	\$1,610	\$8,288	\$1,266	\$85
Heifers	Heifers	Liquid/Solid	Medium 2	MA	2	L	0.0	\$17,670	\$1,265	\$7,197	\$1,257	\$85
Heifers	Heifers	Liquid/Solid	Medium 2	MA	2	M	0.0	\$26,604	\$1,535	\$7,857	\$1,264	\$85
Heifers	Heifers	Liquid/Solid	Medium 2	MA	3	H	0.0	\$13,447	\$1,045	\$1,801	\$1,246	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MA	3	L	0.0	\$10,710	\$821	\$1,467	\$1,241	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MA	3	M	0.0	\$11,464	\$996	\$1,698	\$1,245	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MW	1	H	4.2	\$37,160	\$1,641	\$3,156	\$678	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	MW	1	L	4.2	\$18,571	\$1,313	\$2,000	\$670	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	MW	1	M	8.3	\$28,556	\$1,477	\$2,601	\$674	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	MW	2	H	0.4	\$37,160	\$1,610	\$3,279	\$678	\$85
Heifers	Heifers	Liquid/Solid	Medium 2	MW	2	L	0.4	\$18,571	\$1,288	\$2,126	\$670	\$85

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 2	MW	2	M	0.9	\$28,556	\$1,449	\$2,726	\$674	\$85
Heifers	Heifers	Liquid/Solid	Medium 2	MW	3	H	0.3	\$10,312	\$1,045	\$1,677	\$658	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MW	3	L	0.3	\$8,268	\$836	\$1,376	\$654	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MW	3	M	0.7	\$9,762	\$941	\$1,539	\$656	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	PA	1	H	1.3	\$40,940	\$1,607	\$9,045	\$1,364	\$80
Heifers	Heifers	Liquid/Solid	Medium 2	PA	1	L	1.3	\$22,867	\$1,285	\$4,490	\$1,356	\$80
Heifers	Heifers	Liquid/Solid	Medium 2	PA	1	M	2.8	\$32,427	\$1,446	\$6,780	\$1,360	\$80
Heifers	Heifers	Liquid/Solid	Medium 2	PA	2	H	0.1	\$40,940	\$1,587	\$14,489	\$1,344	\$55
Heifers	Heifers	Liquid/Solid	Medium 2	PA	2	L	0.1	\$22,867	\$1,270	\$13,367	\$1,340	\$55
Heifers	Heifers	Liquid/Solid	Medium 2	PA	2	M	0.3	\$32,427	\$1,429	\$13,941	\$1,342	\$55
Heifers	Heifers	Liquid/Solid	Medium 2	PA	3	H	0.1	\$14,093	\$1,045	\$1,870	\$1,344	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	PA	3	L	0.1	\$12,128	\$836	\$1,574	\$1,340	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	PA	3	M	0.2	\$13,633	\$941	\$1,735	\$1,342	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	SO	1	H	0.0	\$40,981	\$1,641	\$3,321	\$1,497	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	SO	1	L	0.0	\$19,214	\$1,313	\$2,000	\$1,489	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	SO	1	M	0.0	\$32,023	\$1,526	\$2,797	\$1,495	\$125
Heifers	Heifers	Liquid/Solid	Medium 2	SO	2	H	0.0	\$40,981	\$1,614	\$17,672	\$1,497	\$90
Heifers	Heifers	Liquid/Solid	Medium 2	SO	2	L	0.0	\$19,214	\$1,291	\$16,355	\$1,489	\$90
Heifers	Heifers	Liquid/Solid	Medium 2	SO	2	M	0.0	\$32,023	\$1,501	\$17,149	\$1,495	\$90
Heifers	Heifers	Liquid/Solid	Medium 2	SO	3	H	0.0	\$14,939	\$1,045	\$1,883	\$1,477	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	SO	3	L	0.0	\$12,770	\$836	\$1,569	\$1,473	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	SO	3	M	0.0	\$14,035	\$972	\$1,771	\$1,476	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	CE	1	H	1.8	\$37,144	\$1,711	\$3,166	\$590	\$215
Heifers	Heifers	Liquid/Solid	Medium 3	CE	1	L	1.8	\$17,034	\$1,368	\$1,927	\$578	\$215
Heifers	Heifers	Liquid/Solid	Medium 3	CE	1	M	3.7	\$28,338	\$1,540	\$2,606	\$584	\$215
Heifers	Heifers	Liquid/Solid	Medium 3	CE	2	H	0.2	\$37,144	\$1,676	\$3,221	\$590	\$170
Heifers	Heifers	Liquid/Solid	Medium 3	CE	2	L	0.2	\$17,034	\$1,341	\$1,986	\$578	\$170
Heifers	Heifers	Liquid/Solid	Medium 3	CE	2	M	0.4	\$28,338	\$1,508	\$2,663	\$584	\$170

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 3	CE	3	H	0.2	\$10,296	\$1,045	\$1,647	\$550	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	CE	3	L	0.2	\$8,474	\$836	\$1,358	\$546	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	CE	3	M	0.3	\$9,544	\$941	\$1,508	\$548	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MA	1	H	0.0	\$61,844	\$1,680	\$3,341	\$1,776	\$175
Heifers	Heifers	Liquid/Solid	Medium 3	MA	1	L	0.0	\$27,370	\$1,319	\$2,091	\$1,763	\$175
Heifers	Heifers	Liquid/Solid	Medium 3	MA	1	M	0.0	\$45,745	\$1,601	\$2,840	\$1,773	\$175
Heifers	Heifers	Liquid/Solid	Medium 3	MA	2	H	0.0	\$37,448	\$1,653	\$6,089	\$1,756	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	MA	2	L	0.0	\$19,502	\$1,298	\$4,975	\$1,747	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	MA	2	M	0.0	\$28,631	\$1,575	\$5,647	\$1,754	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	MA	3	H	0.0	\$15,866	\$1,045	\$1,907	\$1,736	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MA	3	L	0.0	\$12,541	\$821	\$1,555	\$1,732	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MA	3	M	0.0	\$13,491	\$996	\$1,794	\$1,735	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MW	1	H	1.9	\$38,977	\$1,680	\$3,256	\$953	\$175
Heifers	Heifers	Liquid/Solid	Medium 3	MW	1	L	1.9	\$19,620	\$1,344	\$2,064	\$941	\$175
Heifers	Heifers	Liquid/Solid	Medium 3	MW	1	M	3.0	\$30,199	\$1,512	\$2,694	\$947	\$175
Heifers	Heifers	Liquid/Solid	Medium 3	MW	2	H	0.2	\$38,977	\$1,653	\$3,288	\$933	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	MW	2	L	0.2	\$19,620	\$1,322	\$2,099	\$925	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	MW	2	M	0.3	\$30,199	\$1,488	\$2,728	\$929	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	MW	3	H	0.2	\$12,130	\$1,045	\$1,755	\$913	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MW	3	L	0.2	\$9,676	\$836	\$1,440	\$909	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MW	3	M	0.3	\$11,406	\$941	\$1,612	\$911	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	PA	1	H	0.6	\$43,544	\$1,630	\$3,464	\$1,894	\$110
Heifers	Heifers	Liquid/Solid	Medium 3	PA	1	L	0.6	\$25,062	\$1,304	\$2,324	\$1,886	\$110
Heifers	Heifers	Liquid/Solid	Medium 3	PA	1	M	1.1	\$34,930	\$1,467	\$2,910	\$1,890	\$110
Heifers	Heifers	Liquid/Solid	Medium 3	PA	2	H	0.1	\$43,544	\$1,614	\$7,308	\$1,894	\$90
Heifers	Heifers	Liquid/Solid	Medium 3	PA	2	L	0.1	\$25,062	\$1,291	\$6,169	\$1,886	\$90
Heifers	Heifers	Liquid/Solid	Medium 3	PA	2	M	0.1	\$34,930	\$1,453	\$6,754	\$1,890	\$90
Heifers	Heifers	Liquid/Solid	Medium 3	PA	3	H	0.0	\$16,697	\$1,045	\$1,993	\$1,874	\$0

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 3	PA	3	L	0.0	\$14,323	\$836	\$1,684	\$1,870	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	PA	3	M	0.1	\$16,136	\$941	\$1,854	\$1,872	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	SO	1	H	0.0	\$73,033	\$1,684	\$3,225	\$2,100	\$180
Heifers	Heifers	Liquid/Solid	Medium 3	SO	1	L	0.0	\$28,816	\$1,347	\$2,070	\$2,088	\$180
Heifers	Heifers	Liquid/Solid	Medium 3	SO	1	M	0.0	\$54,859	\$1,566	\$2,770	\$2,096	\$180
Heifers	Heifers	Liquid/Solid	Medium 3	SO	2	H	0.0	\$43,927	\$1,653	\$11,267	\$2,080	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	SO	2	L	0.0	\$21,614	\$1,322	\$9,924	\$2,072	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	SO	2	M	0.0	\$34,755	\$1,537	\$10,735	\$2,078	\$140
Heifers	Heifers	Liquid/Solid	Medium 3	SO	3	H	0.0	\$17,885	\$1,045	\$2,016	\$2,060	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	SO	3	L	0.0	\$15,171	\$836	\$1,682	\$2,056	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	SO	3	M	0.0	\$16,767	\$972	\$1,897	\$2,059	\$0
Veal	Flush	Liquid	Medium 1	CE	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	1	M	0.1	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 1	MA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	1	H	0.5	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	1	L	0.5	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	1	M	1.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 2	CE	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	1	M	0.1	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	1	H	0.2	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	1	L	0.2	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	1	M	0.5	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 2	PA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	1	M	1.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500

**Table C-1b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 3	MA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	1	H	4.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	1	L	4.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	1	M	8.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500

**Table C-1b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Veal	Flush	Liquid	Medium 3	SO	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500

**Table C-2a****Summary of Industry Costs for Option 2**

<b>Animal Type</b>	<b>Manure Type</b>	<b>Operation Type</b>	<b>Capital</b>	<b>Annual</b>	<b>Fixed</b>	<b>3-Year Recurring</b>	<b>5-Year Recurring</b>
Beef	Solid/Liquid	Beef	\$96,942,128	\$38,651,376	\$7,672,585	\$1,496,851	\$9,179,452
Dairy	Solid/Liquid	Flush	\$147,690,591	\$115,353,998	\$3,188,393	\$334,556	\$2,017,898
Dairy	Solid/Liquid	Hose	\$35,758,320	\$8,280,186	\$3,066,584	\$2,961,250	\$1,916,937
Heifers	Solid/Liquid	Heifers	\$16,559,995	\$2,305,508	\$842,928	\$243,437	\$312,186
Veal	Liquid	Flush	\$0	\$30,553	\$38,948	\$2,422	\$10,090
Chicken	Liquid	LW	\$14,047,475	\$1,491,472	\$144,601	\$22,435	\$93,337
Chicken	Solid	BR	\$93,515,959	\$4,120,237	\$2,303,023	\$83,562	\$1,127,487
Chicken	Solid	LA	\$32,642,246	\$1,929,765	\$333,911	\$47,230	\$224,575
Swine	Evapor	FF	\$109,151	\$151,249	\$128,484	\$8,945	\$79,289
Swine	Evapor	GF	\$112,054	\$155,285	\$131,852	\$9,178	\$81,337
Swine	Liquid	FF	\$6,645,012	\$1,803,879	\$1,358,438	\$86,947	\$6,894,239
Swine	Liquid	GF	\$4,934,234	\$1,196,853	\$855,210	\$61,344	\$5,231,336
Swine	Pit	FF	\$505,620	\$13,907,671	\$1,398,631	\$82,198	\$781,926
Swine	Pit	GF	\$454,228	\$19,817,425	\$1,538,482	\$101,262	\$910,429
Turkey	Solid	SL	\$31,276,907	\$2,864,728	\$835,304	\$35,254	\$584,319

**Table C-2b**

**Model Farm Costs for Option 2**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Beef	Beef	Liquid/Solid	Large 1	CE	1	H	48.7	\$40,527	\$4,498	\$5,213	\$816	\$5,998
Beef	Beef	Liquid/Solid	Large 1	CE	1	L	48.7	\$13,961	\$3,598	\$3,230	\$653	\$5,998
Beef	Beef	Liquid/Solid	Large 1	CE	1	M	97.4	\$28,707	\$4,048	\$4,289	\$734	\$5,998
Beef	Beef	Liquid/Solid	Large 1	CE	2	H	45.7	\$57,024	\$3,353	\$6,955	\$506	\$1,689
Beef	Beef	Liquid/Solid	Large 1	CE	2	L	45.7	\$19,628	\$2,682	\$4,394	\$405	\$1,689
Beef	Beef	Liquid/Solid	Large 1	CE	2	M	91.3	\$40,255	\$3,018	\$5,772	\$455	\$1,689
Beef	Beef	Liquid/Solid	Large 1	CE	3	H	11.7	\$4,558	\$1,045	\$10,931	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	CE	3	L	11.7	\$1,606	\$836	\$10,582	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	CE	3	M	23.3	\$3,529	\$941	\$10,769	\$18	\$0
Beef	Beef	Liquid/Solid	Large 1	MA	1	H	1.0	\$58,218	\$3,304	\$6,971	\$487	\$3,786
Beef	Beef	Liquid/Solid	Large 1	MA	1	L	1.0	\$18,571	\$2,595	\$3,386	\$383	\$3,786
Beef	Beef	Liquid/Solid	Large 1	MA	1	M	2.1	\$39,438	\$3,149	\$5,488	\$464	\$3,786
Beef	Beef	Liquid/Solid	Large 1	MA	2	H	0.7	\$54,491	\$2,520	\$15,272	\$286	\$861
Beef	Beef	Liquid/Solid	Large 1	MA	2	L	0.7	\$17,369	\$1,979	\$11,617	\$225	\$861
Beef	Beef	Liquid/Solid	Large 1	MA	2	M	1.5	\$36,823	\$2,402	\$13,736	\$272	\$861
Beef	Beef	Liquid/Solid	Large 1	MA	3	H	0.2	\$198,123	\$1,045	\$73,248	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	MA	3	L	0.2	\$192,678	\$821	\$72,796	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	MA	3	M	0.4	\$194,412	\$996	\$73,093	\$19	\$0
Beef	Beef	Liquid/Solid	Large 1	MW	1	H	138.6	\$38,144	\$3,132	\$7,353	\$440	\$3,529
Beef	Beef	Liquid/Solid	Large 1	MW	1	L	138.6	\$14,220	\$2,506	\$3,862	\$352	\$3,529
Beef	Beef	Liquid/Solid	Large 1	MW	1	M	277.3	\$27,238	\$2,819	\$5,637	\$396	\$3,529
Beef	Beef	Liquid/Solid	Large 1	MW	2	H	51.8	\$55,411	\$2,529	\$7,217	\$282	\$772
Beef	Beef	Liquid/Solid	Large 1	MW	2	L	51.8	\$21,127	\$2,023	\$4,450	\$225	\$772
Beef	Beef	Liquid/Solid	Large 1	MW	2	M	103.7	\$39,325	\$2,276	\$5,863	\$253	\$772

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Large 1	MW	3	H	23.5	\$5,373	\$1,045	\$8,679	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	MW	3	L	23.5	\$1,112	\$836	\$8,274	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	MW	3	M	47.1	\$4,299	\$941	\$8,506	\$18	\$0
Beef	Beef	Liquid/Solid	Large 1	PA	1	H	5.7	\$65,130	\$3,604	\$6,076	\$572	\$4,261
Beef	Beef	Liquid/Solid	Large 1	PA	1	L	5.7	\$25,015	\$2,883	\$3,461	\$458	\$4,261
Beef	Beef	Liquid/Solid	Large 1	PA	1	M	11.7	\$46,061	\$3,243	\$4,795	\$515	\$4,261
Beef	Beef	Liquid/Solid	Large 1	PA	2	H	6.8	\$64,843	\$2,890	\$28,199	\$371	\$1,301
Beef	Beef	Liquid/Solid	Large 1	PA	2	L	6.8	\$24,900	\$2,312	\$24,127	\$297	\$1,301
Beef	Beef	Liquid/Solid	Large 1	PA	2	M	14.1	\$45,860	\$2,601	\$26,189	\$334	\$1,301
Beef	Beef	Liquid/Solid	Large 1	PA	3	H	1.5	\$4,695	\$1,045	\$59,818	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	PA	3	L	1.5	\$840	\$836	\$59,433	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	PA	3	M	3.2	\$3,756	\$941	\$59,652	\$18	\$0
Beef	Beef	Liquid/Solid	Large 1	SO	1	H	0.0	\$67,898	\$3,008	\$7,023	\$412	\$5,140
Beef	Beef	Liquid/Solid	Large 1	SO	1	L	0.0	\$18,628	\$2,407	\$3,055	\$330	\$5,140
Beef	Beef	Liquid/Solid	Large 1	SO	1	M	0.0	\$47,706	\$2,798	\$5,428	\$383	\$5,140
Beef	Beef	Liquid/Solid	Large 1	SO	2	H	0.0	\$61,436	\$2,119	\$34,129	\$177	\$1,045
Beef	Beef	Liquid/Solid	Large 1	SO	2	L	0.0	\$17,029	\$1,696	\$30,319	\$142	\$1,045
Beef	Beef	Liquid/Solid	Large 1	SO	2	M	0.0	\$43,242	\$1,971	\$32,592	\$165	\$1,045
Beef	Beef	Liquid/Solid	Large 1	SO	3	H	0.0	\$8,855	\$1,045	\$52,151	\$20	\$0
Beef	Beef	Liquid/Solid	Large 1	SO	3	L	0.0	\$4,019	\$836	\$51,703	\$16	\$0
Beef	Beef	Liquid/Solid	Large 1	SO	3	M	0.0	\$6,923	\$972	\$51,991	\$19	\$0
Beef	Beef	Liquid/Solid	Large 2	CE	1	H	1.5	\$133,164	\$29,448	\$28,864	\$7,525	\$83,315
Beef	Beef	Liquid/Solid	Large 2	CE	1	L	1.5	\$49,372	\$23,559	\$18,533	\$6,020	\$83,315
Beef	Beef	Liquid/Solid	Large 2	CE	1	M	3.1	\$95,403	\$26,503	\$23,818	\$6,773	\$83,315
Beef	Beef	Liquid/Solid	Large 2	CE	2	H	18.6	\$201,261	\$21,087	\$39,775	\$5,266	\$24,360
Beef	Beef	Liquid/Solid	Large 2	CE	2	L	18.6	\$76,611	\$16,869	\$29,346	\$4,213	\$24,360

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Large 2	CE	2	M	37.8	\$143,072	\$18,978	\$34,679	\$4,739	\$24,360
Beef	Beef	Liquid/Solid	Large 2	CE	3	H	12.9	\$21,888	\$1,045	\$132,910	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	CE	3	L	12.9	\$4,862	\$836	\$132,081	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	CE	3	M	26.1	\$17,511	\$941	\$132,614	\$18	\$0
Beef	Beef	Liquid/Solid	Large 2	MA	1	H	0.1	\$411,735	\$15,272	\$24,075	\$3,705	\$44,295
Beef	Beef	Liquid/Solid	Large 2	MA	1	L	0.1	\$134,139	\$11,993	\$12,238	\$2,909	\$44,295
Beef	Beef	Liquid/Solid	Large 2	MA	1	M	0.1	\$286,265	\$14,552	\$19,318	\$3,530	\$44,295
Beef	Beef	Liquid/Solid	Large 2	MA	2	H	0.6	\$457,053	\$10,092	\$67,008	\$2,320	\$10,517
Beef	Beef	Liquid/Solid	Large 2	MA	2	L	0.6	\$148,754	\$7,924	\$56,422	\$1,822	\$10,517
Beef	Beef	Liquid/Solid	Large 2	MA	2	M	0.6	\$318,056	\$9,616	\$62,659	\$2,211	\$10,517
Beef	Beef	Liquid/Solid	Large 2	MA	3	H	0.4	\$305,761	\$1,045	\$776,124	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	MA	3	L	0.4	\$268,937	\$821	\$774,406	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	MA	3	M	0.4	\$286,372	\$996	\$775,442	\$19	\$0
Beef	Beef	Liquid/Solid	Large 2	MW	1	H	5.0	\$165,176	\$16,799	\$22,853	\$4,109	\$49,698
Beef	Beef	Liquid/Solid	Large 2	MW	1	L	5.0	\$62,177	\$13,439	\$13,185	\$3,287	\$49,698
Beef	Beef	Liquid/Solid	Large 2	MW	1	M	10.1	\$120,196	\$15,119	\$18,258	\$3,698	\$49,698
Beef	Beef	Liquid/Solid	Large 2	MW	2	H	35.8	\$275,401	\$11,145	\$27,616	\$2,600	\$11,800
Beef	Beef	Liquid/Solid	Large 2	MW	2	L	35.8	\$106,267	\$8,916	\$17,533	\$2,080	\$11,800
Beef	Beef	Liquid/Solid	Large 2	MW	2	M	71.7	\$197,353	\$10,030	\$22,813	\$2,340	\$11,800
Beef	Beef	Liquid/Solid	Large 2	MW	3	H	26.1	\$45,725	\$1,045	\$103,861	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	MW	3	L	26.1	\$14,397	\$836	\$102,317	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	MW	3	M	52.3	\$36,580	\$941	\$103,327	\$18	\$0
Beef	Beef	Liquid/Solid	Large 2	PA	1	H	0.2	\$301,386	\$19,916	\$26,505	\$4,955	\$60,010
Beef	Beef	Liquid/Solid	Large 2	PA	1	L	0.2	\$116,661	\$15,933	\$15,371	\$3,964	\$60,010
Beef	Beef	Liquid/Solid	Large 2	PA	1	M	0.3	\$214,590	\$17,924	\$21,129	\$4,459	\$60,010
Beef	Beef	Liquid/Solid	Large 2	PA	2	H	2.3	\$671,736	\$16,386	\$55,286	\$4,005	\$18,533

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Large 2	PA	2	L	2.3	\$264,801	\$13,109	\$43,089	\$3,204	\$18,533
Beef	Beef	Liquid/Solid	Large 2	PA	2	M	5.1	\$473,834	\$14,747	\$49,378	\$3,605	\$18,533
Beef	Beef	Liquid/Solid	Large 2	PA	3	H	1.6	\$349,773	\$1,045	\$562,250	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	PA	3	L	1.6	\$324,166	\$836	\$560,992	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	PA	3	M	3.5	\$342,535	\$941	\$561,812	\$18	\$0
Beef	Beef	Liquid/Solid	Large 2	SO	1	H	0.0	\$415,794	\$18,376	\$28,961	\$4,547	\$72,400
Beef	Beef	Liquid/Solid	Large 2	SO	1	L	0.0	\$116,306	\$14,701	\$13,909	\$3,637	\$72,400
Beef	Beef	Liquid/Solid	Large 2	SO	1	M	0.0	\$294,930	\$17,090	\$23,040	\$4,228	\$72,400
Beef	Beef	Liquid/Solid	Large 2	SO	2	H	0.0	\$890,614	\$8,381	\$127,583	\$1,856	\$17,220
Beef	Beef	Liquid/Solid	Large 2	SO	2	L	0.0	\$564,886	\$6,705	\$113,685	\$1,485	\$17,220
Beef	Beef	Liquid/Solid	Large 2	SO	2	M	0.0	\$758,966	\$7,794	\$122,065	\$1,726	\$17,220
Beef	Beef	Liquid/Solid	Large 2	SO	3	H	0.0	\$337,597	\$1,045	\$497,323	\$20	\$0
Beef	Beef	Liquid/Solid	Large 2	SO	3	L	0.0	\$293,621	\$836	\$495,097	\$16	\$0
Beef	Beef	Liquid/Solid	Large 2	SO	3	M	0.0	\$321,738	\$972	\$496,552	\$19	\$0
Beef	Beef	Liquid/Solid	Medium 1	CE	1	H	3.3	\$34,623	\$2,280	\$3,397	\$454	\$1,076
Beef	Beef	Liquid/Solid	Medium 1	CE	1	L	3.3	\$15,113	\$1,824	\$2,107	\$411	\$1,076
Beef	Beef	Liquid/Solid	Medium 1	CE	1	M	6.4	\$26,064	\$2,052	\$2,810	\$432	\$1,076
Beef	Beef	Liquid/Solid	Medium 1	CE	2	H	0.7	\$34,623	\$2,034	\$3,566	\$385	\$423
Beef	Beef	Liquid/Solid	Medium 1	CE	2	L	0.7	\$15,113	\$1,627	\$2,305	\$356	\$423
Beef	Beef	Liquid/Solid	Medium 1	CE	2	M	1.4	\$26,064	\$1,831	\$2,994	\$370	\$423
Beef	Beef	Liquid/Solid	Medium 1	CE	3	H	0.3	\$7,775	\$1,045	\$3,173	\$259	\$0
Beef	Beef	Liquid/Solid	Medium 1	CE	3	L	0.3	\$6,552	\$836	\$2,899	\$255	\$0
Beef	Beef	Liquid/Solid	Medium 1	CE	3	M	0.6	\$7,271	\$941	\$3,039	\$257	\$0
Beef	Beef	Liquid/Solid	Medium 1	MA	1	H	0.5	\$42,392	\$2,046	\$2,886	\$934	\$738
Beef	Beef	Liquid/Solid	Medium 1	MA	1	L	0.5	\$18,936	\$1,607	\$1,932	\$899	\$738
Beef	Beef	Liquid/Solid	Medium 1	MA	1	M	0.9	\$31,434	\$1,949	\$2,530	\$926	\$738

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 1	MA	2	H	0.1	\$50,824	\$1,849	\$4,458	\$871	\$263
Beef	Beef	Liquid/Solid	Medium 1	MA	2	L	0.1	\$21,656	\$1,452	\$3,675	\$850	\$263
Beef	Beef	Liquid/Solid	Medium 1	MA	2	M	0.2	\$37,350	\$1,762	\$4,172	\$866	\$263
Beef	Beef	Liquid/Solid	Medium 1	MA	3	H	0.0	\$10,899	\$1,045	\$26,334	\$794	\$0
Beef	Beef	Liquid/Solid	Medium 1	MA	3	L	0.0	\$8,779	\$821	\$26,018	\$790	\$0
Beef	Beef	Liquid/Solid	Medium 1	MA	3	M	0.1	\$9,342	\$996	\$26,241	\$793	\$0
Beef	Beef	Liquid/Solid	Medium 1	MW	1	H	14.8	\$35,538	\$2,030	\$3,308	\$555	\$725
Beef	Beef	Liquid/Solid	Medium 1	MW	1	L	14.8	\$17,089	\$1,624	\$2,104	\$525	\$725
Beef	Beef	Liquid/Solid	Medium 1	MW	1	M	29.5	\$27,032	\$1,827	\$2,735	\$540	\$725
Beef	Beef	Liquid/Solid	Medium 1	MW	2	H	2.1	\$35,538	\$1,863	\$3,408	\$506	\$250
Beef	Beef	Liquid/Solid	Medium 1	MW	2	L	2.1	\$17,089	\$1,491	\$2,223	\$486	\$250
Beef	Beef	Liquid/Solid	Medium 1	MW	2	M	4.2	\$27,032	\$1,677	\$2,844	\$496	\$250
Beef	Beef	Liquid/Solid	Medium 1	MW	3	H	1.3	\$8,690	\$1,045	\$3,076	\$423	\$0
Beef	Beef	Liquid/Solid	Medium 1	MW	3	L	1.3	\$7,146	\$836	\$2,790	\$419	\$0
Beef	Beef	Liquid/Solid	Medium 1	MW	3	M	2.5	\$8,239	\$941	\$2,942	\$421	\$0
Beef	Beef	Liquid/Solid	Medium 1	PA	1	H	0.4	\$38,131	\$2,138	\$3,507	\$1,022	\$857
Beef	Beef	Liquid/Solid	Medium 1	PA	1	L	0.4	\$20,490	\$1,710	\$2,333	\$985	\$857
Beef	Beef	Liquid/Solid	Medium 1	PA	1	M	0.8	\$29,721	\$1,924	\$2,930	\$1,004	\$857
Beef	Beef	Liquid/Solid	Medium 1	PA	2	H	0.1	\$38,131	\$1,924	\$4,100	\$957	\$364
Beef	Beef	Liquid/Solid	Medium 1	PA	2	L	0.1	\$20,490	\$1,539	\$2,951	\$933	\$364
Beef	Beef	Liquid/Solid	Medium 1	PA	2	M	0.2	\$29,721	\$1,732	\$3,535	\$945	\$364
Beef	Beef	Liquid/Solid	Medium 1	PA	3	H	0.0	\$11,283	\$1,045	\$13,471	\$856	\$0
Beef	Beef	Liquid/Solid	Medium 1	PA	3	L	0.0	\$9,751	\$836	\$13,188	\$852	\$0
Beef	Beef	Liquid/Solid	Medium 1	PA	3	M	0.1	\$10,927	\$941	\$13,340	\$854	\$0
Beef	Beef	Liquid/Solid	Medium 1	SO	1	H	0.1	\$38,031	\$1,917	\$4,168	\$1,044	\$523
Beef	Beef	Liquid/Solid	Medium 1	SO	1	L	0.1	\$16,811	\$1,534	\$2,218	\$1,019	\$523

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 1	SO	1	M	0.1	\$29,292	\$1,783	\$3,386	\$1,035	\$523
Beef	Beef	Liquid/Solid	Medium 1	SO	2	H	0.0	\$38,031	\$1,730	\$6,371	\$987	\$172
Beef	Beef	Liquid/Solid	Medium 1	SO	2	L	0.0	\$16,811	\$1,384	\$5,059	\$974	\$172
Beef	Beef	Liquid/Solid	Medium 1	SO	2	M	0.0	\$29,292	\$1,609	\$5,850	\$983	\$172
Beef	Beef	Liquid/Solid	Medium 1	SO	3	H	0.0	\$11,988	\$1,045	\$12,112	\$940	\$0
Beef	Beef	Liquid/Solid	Medium 1	SO	3	L	0.0	\$10,367	\$836	\$11,818	\$936	\$0
Beef	Beef	Liquid/Solid	Medium 1	SO	3	M	0.0	\$11,304	\$972	\$12,007	\$939	\$0
Beef	Beef	Liquid/Solid	Medium 2	CE	1	H	1.7	\$35,625	\$2,623	\$9,772	\$670	\$1,580
Beef	Beef	Liquid/Solid	Medium 2	CE	1	L	1.7	\$16,085	\$2,098	\$4,330	\$607	\$1,580
Beef	Beef	Liquid/Solid	Medium 2	CE	1	M	3.6	\$26,984	\$2,361	\$7,322	\$639	\$1,580
Beef	Beef	Liquid/Solid	Medium 2	CE	2	H	0.4	\$35,625	\$2,608	\$4,046	\$655	\$938
Beef	Beef	Liquid/Solid	Medium 2	CE	2	L	0.4	\$16,085	\$2,087	\$2,723	\$596	\$938
Beef	Beef	Liquid/Solid	Medium 2	CE	2	M	0.8	\$26,984	\$2,348	\$3,437	\$626	\$938
Beef	Beef	Liquid/Solid	Medium 2	CE	3	H	0.2	\$8,777	\$1,045	\$3,962	\$377	\$0
Beef	Beef	Liquid/Solid	Medium 2	CE	3	L	0.2	\$7,261	\$836	\$3,681	\$373	\$0
Beef	Beef	Liquid/Solid	Medium 2	CE	3	M	0.3	\$8,191	\$941	\$3,826	\$375	\$0
Beef	Beef	Liquid/Solid	Medium 2	MA	1	H	0.2	\$44,922	\$2,291	\$6,339	\$1,364	\$1,100
Beef	Beef	Liquid/Solid	Medium 2	MA	1	L	0.2	\$20,693	\$1,799	\$3,160	\$1,319	\$1,100
Beef	Beef	Liquid/Solid	Medium 2	MA	1	M	0.5	\$33,492	\$2,183	\$5,007	\$1,354	\$1,100
Beef	Beef	Liquid/Solid	Medium 2	MA	2	H	0.0	\$53,664	\$2,251	\$4,566	\$1,364	\$625
Beef	Beef	Liquid/Solid	Medium 2	MA	2	L	0.0	\$23,512	\$1,767	\$3,056	\$1,319	\$625
Beef	Beef	Liquid/Solid	Medium 2	MA	2	M	0.1	\$39,625	\$2,145	\$3,968	\$1,354	\$625
Beef	Beef	Liquid/Solid	Medium 2	MA	3	H	0.0	\$13,066	\$1,045	\$38,550	\$1,175	\$0
Beef	Beef	Liquid/Solid	Medium 2	MA	3	L	0.0	\$10,419	\$821	\$38,219	\$1,170	\$0
Beef	Beef	Liquid/Solid	Medium 2	MA	3	M	0.0	\$11,145	\$996	\$38,449	\$1,174	\$0
Beef	Beef	Liquid/Solid	Medium 2	MW	1	H	8.1	\$36,908	\$2,268	\$3,510	\$819	\$1,081

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 2	MW	1	L	8.1	\$18,388	\$1,815	\$2,283	\$776	\$1,081
Beef	Beef	Liquid/Solid	Medium 2	MW	1	M	16.2	\$28,323	\$2,042	\$2,919	\$798	\$1,081
Beef	Beef	Liquid/Solid	Medium 2	MW	2	H	1.2	\$36,908	\$2,289	\$3,780	\$822	\$606
Beef	Beef	Liquid/Solid	Medium 2	MW	2	L	1.2	\$18,388	\$1,831	\$2,550	\$778	\$606
Beef	Beef	Liquid/Solid	Medium 2	MW	2	M	2.3	\$28,323	\$2,060	\$3,188	\$800	\$606
Beef	Beef	Liquid/Solid	Medium 2	MW	3	H	0.7	\$10,060	\$1,045	\$3,864	\$621	\$0
Beef	Beef	Liquid/Solid	Medium 2	MW	3	L	0.7	\$8,084	\$836	\$3,564	\$617	\$0
Beef	Beef	Liquid/Solid	Medium 2	MW	3	M	1.4	\$9,529	\$941	\$3,726	\$619	\$0
Beef	Beef	Liquid/Solid	Medium 2	PA	1	H	0.2	\$56,623	\$2,430	\$4,155	\$1,497	\$1,279
Beef	Beef	Liquid/Solid	Medium 2	PA	1	L	0.2	\$28,934	\$1,944	\$2,715	\$1,447	\$1,279
Beef	Beef	Liquid/Solid	Medium 2	PA	1	M	0.4	\$43,285	\$2,187	\$3,447	\$1,472	\$1,279
Beef	Beef	Liquid/Solid	Medium 2	PA	2	H	0.1	\$66,216	\$2,353	\$4,909	\$1,489	\$784
Beef	Beef	Liquid/Solid	Medium 2	PA	2	L	0.1	\$32,771	\$1,882	\$3,347	\$1,440	\$784
Beef	Beef	Liquid/Solid	Medium 2	PA	2	M	0.1	\$50,000	\$2,118	\$4,141	\$1,464	\$784
Beef	Beef	Liquid/Solid	Medium 2	PA	3	H	0.0	\$13,642	\$1,045	\$19,352	\$1,267	\$0
Beef	Beef	Liquid/Solid	Medium 2	PA	3	L	0.0	\$11,741	\$836	\$19,058	\$1,263	\$0
Beef	Beef	Liquid/Solid	Medium 2	PA	3	M	0.0	\$13,198	\$941	\$19,218	\$1,265	\$0
Beef	Beef	Liquid/Solid	Medium 2	SO	1	H	0.0	\$51,471	\$2,065	\$3,324	\$1,533	\$733
Beef	Beef	Liquid/Solid	Medium 2	SO	1	L	0.0	\$21,598	\$1,652	\$2,127	\$1,501	\$733
Beef	Beef	Liquid/Solid	Medium 2	SO	1	M	0.1	\$39,181	\$1,921	\$2,853	\$1,522	\$733
Beef	Beef	Liquid/Solid	Medium 2	SO	2	H	0.0	\$61,921	\$1,966	\$3,421	\$1,507	\$400
Beef	Beef	Liquid/Solid	Medium 2	SO	2	L	0.0	\$24,184	\$1,573	\$2,400	\$1,480	\$400
Beef	Beef	Liquid/Solid	Medium 2	SO	2	M	0.0	\$46,399	\$1,828	\$3,022	\$1,497	\$400
Beef	Beef	Liquid/Solid	Medium 2	SO	3	H	0.0	\$14,548	\$1,045	\$15,505	\$1,393	\$0
Beef	Beef	Liquid/Solid	Medium 2	SO	3	L	0.0	\$12,463	\$836	\$15,194	\$1,389	\$0
Beef	Beef	Liquid/Solid	Medium 2	SO	3	M	0.0	\$13,677	\$972	\$15,394	\$1,392	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 3	CE	1	H	1.2	\$36,821	\$3,194	\$4,016	\$966	\$2,398
Beef	Beef	Liquid/Solid	Medium 3	CE	1	L	1.2	\$16,777	\$2,555	\$2,606	\$872	\$2,398
Beef	Beef	Liquid/Solid	Medium 3	CE	1	M	2.4	\$28,042	\$2,875	\$3,370	\$919	\$2,398
Beef	Beef	Liquid/Solid	Medium 3	CE	2	H	0.3	\$36,821	\$3,371	\$4,662	\$1,005	\$1,700
Beef	Beef	Liquid/Solid	Medium 3	CE	2	L	0.3	\$16,777	\$2,697	\$3,231	\$903	\$1,700
Beef	Beef	Liquid/Solid	Medium 3	CE	2	M	0.5	\$28,042	\$3,034	\$4,006	\$954	\$1,700
Beef	Beef	Liquid/Solid	Medium 3	CE	3	H	0.1	\$9,973	\$1,045	\$5,358	\$515	\$0
Beef	Beef	Liquid/Solid	Medium 3	CE	3	L	0.1	\$8,216	\$836	\$5,070	\$511	\$0
Beef	Beef	Liquid/Solid	Medium 3	CE	3	M	0.2	\$9,249	\$941	\$5,219	\$513	\$0
Beef	Beef	Liquid/Solid	Medium 3	MA	1	H	0.1	\$61,890	\$2,618	\$4,394	\$1,908	\$1,577
Beef	Beef	Liquid/Solid	Medium 3	MA	1	L	0.1	\$27,171	\$2,056	\$2,672	\$1,842	\$1,577
Beef	Beef	Liquid/Solid	Medium 3	MA	1	M	0.2	\$45,712	\$2,495	\$3,711	\$1,894	\$1,577
Beef	Beef	Liquid/Solid	Medium 3	MA	2	H	0.0	\$57,169	\$2,744	\$6,027	\$1,944	\$1,087
Beef	Beef	Liquid/Solid	Medium 3	MA	2	L	0.0	\$25,648	\$2,155	\$3,881	\$1,870	\$1,087
Beef	Beef	Liquid/Solid	Medium 3	MA	2	M	0.0	\$42,400	\$2,615	\$5,161	\$1,928	\$1,087
Beef	Beef	Liquid/Solid	Medium 3	MA	3	H	0.0	\$15,357	\$1,045	\$54,987	\$1,622	\$0
Beef	Beef	Liquid/Solid	Medium 3	MA	3	L	0.0	\$12,163	\$821	\$54,638	\$1,618	\$0
Beef	Beef	Liquid/Solid	Medium 3	MA	3	M	0.0	\$13,069	\$996	\$54,876	\$1,621	\$0
Beef	Beef	Liquid/Solid	Medium 3	MW	1	H	4.0	\$48,578	\$2,547	\$3,771	\$1,125	\$1,498
Beef	Beef	Liquid/Solid	Medium 3	MW	1	L	4.0	\$23,043	\$2,038	\$2,464	\$1,067	\$1,498
Beef	Beef	Liquid/Solid	Medium 3	MW	1	M	8.0	\$36,840	\$2,293	\$3,151	\$1,096	\$1,498
Beef	Beef	Liquid/Solid	Medium 3	MW	2	H	0.6	\$59,669	\$2,792	\$4,268	\$1,186	\$1,028
Beef	Beef	Liquid/Solid	Medium 3	MW	2	L	0.6	\$27,151	\$2,234	\$2,914	\$1,116	\$1,028
Beef	Beef	Liquid/Solid	Medium 3	MW	2	M	1.1	\$44,603	\$2,513	\$3,625	\$1,151	\$1,028
Beef	Beef	Liquid/Solid	Medium 3	MW	3	H	0.3	\$11,761	\$1,045	\$4,788	\$854	\$0
Beef	Beef	Liquid/Solid	Medium 3	MW	3	L	0.3	\$9,408	\$836	\$4,476	\$850	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Beef	Beef	Liquid/Solid	Medium 3	MW	3	M	0.7	\$11,067	\$941	\$4,646	\$852	\$0
Beef	Beef	Liquid/Solid	Medium 3	PA	1	H	0.2	\$59,803	\$2,774	\$5,152	\$2,074	\$1,777
Beef	Beef	Liquid/Solid	Medium 3	PA	1	L	0.2	\$31,311	\$2,220	\$3,252	\$2,005	\$1,777
Beef	Beef	Liquid/Solid	Medium 3	PA	1	M	0.4	\$46,161	\$2,497	\$4,217	\$2,039	\$1,777
Beef	Beef	Liquid/Solid	Medium 3	PA	2	H	0.1	\$69,812	\$2,858	\$6,585	\$2,109	\$1,279
Beef	Beef	Liquid/Solid	Medium 3	PA	2	L	0.1	\$35,315	\$2,286	\$4,302	\$2,034	\$1,279
Beef	Beef	Liquid/Solid	Medium 3	PA	2	M	0.1	\$53,167	\$2,572	\$5,458	\$2,072	\$1,279
Beef	Beef	Liquid/Solid	Medium 3	PA	3	H	0.0	\$16,123	\$1,045	\$26,254	\$1,751	\$0
Beef	Beef	Liquid/Solid	Medium 3	PA	3	L	0.0	\$13,839	\$836	\$25,948	\$1,747	\$0
Beef	Beef	Liquid/Solid	Medium 3	PA	3	M	0.0	\$15,585	\$941	\$26,116	\$1,749	\$0
Beef	Beef	Liquid/Solid	Medium 3	SO	1	H	0.0	\$72,589	\$2,306	\$3,793	\$2,127	\$1,070
Beef	Beef	Liquid/Solid	Medium 3	SO	1	L	0.0	\$28,353	\$1,845	\$2,393	\$2,083	\$1,070
Beef	Beef	Liquid/Solid	Medium 3	SO	1	M	0.0	\$54,405	\$2,144	\$3,241	\$2,112	\$1,070
Beef	Beef	Liquid/Solid	Medium 3	SO	2	H	0.0	\$72,875	\$2,274	\$4,685	\$2,125	\$723
Beef	Beef	Liquid/Solid	Medium 3	SO	2	L	0.0	\$28,424	\$1,819	\$2,980	\$2,081	\$723
Beef	Beef	Liquid/Solid	Medium 3	SO	2	M	0.0	\$54,602	\$2,115	\$4,008	\$2,109	\$723
Beef	Beef	Liquid/Solid	Medium 3	SO	3	H	0.0	\$17,253	\$1,045	\$23,018	\$1,925	\$0
Beef	Beef	Liquid/Solid	Medium 3	SO	3	L	0.0	\$14,662	\$836	\$22,688	\$1,921	\$0
Beef	Beef	Liquid/Solid	Medium 3	SO	3	M	0.0	\$16,183	\$972	\$22,900	\$1,924	\$0
Dairy	Flush	Liquid/Solid	Large 1	CE	1	H	16.3	\$131,634	\$4,821	\$5,968	\$903	\$5,833
Dairy	Flush	Liquid/Solid	Large 1	CE	1	L	16.3	\$0	\$3,857	\$2,669	\$722	\$5,833
Dairy	Flush	Liquid/Solid	Large 1	CE	1	M	32.8	\$110,106	\$4,339	\$5,204	\$812	\$5,833
Dairy	Flush	Liquid/Solid	Large 1	CE	2	H	42.2	\$131,634	\$2,579	\$53,842	\$303	\$1,246
Dairy	Flush	Liquid/Solid	Large 1	CE	2	L	42.2	\$0	\$2,063	\$50,803	\$243	\$1,246
Dairy	Flush	Liquid/Solid	Large 1	CE	2	M	85.0	\$110,106	\$2,321	\$53,209	\$273	\$1,246
Dairy	Flush	Liquid/Solid	Large 1	CE	3	H	16.5	\$131,634	\$1,045	\$61,516	\$20	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Large 1	CE	3	L	16.5	\$0	\$836	\$58,614	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	CE	3	M	33.2	\$110,106	\$941	\$60,951	\$18	\$0
Dairy	Flush	Liquid/Solid	Large 1	MA	1	H	2.3	\$131,724	\$3,337	\$4,910	\$645	\$6,911
Dairy	Flush	Liquid/Solid	Large 1	MA	1	L	2.3	\$237	\$2,669	\$1,825	\$516	\$6,911
Dairy	Flush	Liquid/Solid	Large 1	MA	1	M	4.7	\$110,423	\$3,003	\$4,257	\$581	\$6,911
Dairy	Flush	Liquid/Solid	Large 1	MA	2	H	7.8	\$131,724	\$1,528	\$144,896	\$158	\$1,063
Dairy	Flush	Liquid/Solid	Large 1	MA	2	L	7.8	\$237	\$1,222	\$142,022	\$127	\$1,063
Dairy	Flush	Liquid/Solid	Large 1	MA	2	M	15.6	\$110,423	\$1,375	\$144,348	\$142	\$1,063
Dairy	Flush	Liquid/Solid	Large 1	MA	3	H	2.9	\$340,779	\$659	\$203,569	\$13	\$0
Dairy	Flush	Liquid/Solid	Large 1	MA	3	L	2.9	\$209,292	\$527	\$200,769	\$10	\$0
Dairy	Flush	Liquid/Solid	Large 1	MA	3	M	5.7	\$319,478	\$593	\$203,058	\$11	\$0
Dairy	Flush	Liquid/Solid	Large 1	MW	1	H	2.4	\$132,502	\$5,295	\$6,261	\$1,024	\$7,015
Dairy	Flush	Liquid/Solid	Large 1	MW	1	L	2.4	\$561	\$4,236	\$2,900	\$819	\$7,015
Dairy	Flush	Liquid/Solid	Large 1	MW	1	M	4.7	\$110,974	\$4,765	\$5,470	\$922	\$7,015
Dairy	Flush	Liquid/Solid	Large 1	MW	2	H	6.9	\$132,502	\$2,893	\$22,615	\$380	\$1,610
Dairy	Flush	Liquid/Solid	Large 1	MW	2	L	6.9	\$561	\$2,314	\$19,533	\$304	\$1,610
Dairy	Flush	Liquid/Solid	Large 1	MW	2	M	13.3	\$110,974	\$2,603	\$21,963	\$342	\$1,610
Dairy	Flush	Liquid/Solid	Large 1	MW	3	H	2.6	\$132,502	\$1,045	\$46,897	\$20	\$0
Dairy	Flush	Liquid/Solid	Large 1	MW	3	L	2.6	\$561	\$836	\$43,988	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	MW	3	M	5.1	\$110,974	\$941	\$46,332	\$18	\$0
Dairy	Flush	Liquid/Solid	Large 1	PA	1	H	23.9	\$131,634	\$3,847	\$5,402	\$631	\$4,206
Dairy	Flush	Liquid/Solid	Large 1	PA	1	L	23.9	\$0	\$3,077	\$2,215	\$505	\$4,206
Dairy	Flush	Liquid/Solid	Large 1	PA	1	M	47.9	\$110,106	\$3,462	\$4,694	\$568	\$4,206
Dairy	Flush	Liquid/Solid	Large 1	PA	2	H	86.9	\$131,634	\$2,074	\$195,854	\$153	\$642
Dairy	Flush	Liquid/Solid	Large 1	PA	2	L	86.9	\$0	\$1,659	\$192,874	\$123	\$642
Dairy	Flush	Liquid/Solid	Large 1	PA	2	M	174.4	\$110,106	\$1,866	\$195,249	\$138	\$642

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Large 1	PA	3	H	31.2	\$355,621	\$1,045	\$100,968	\$20	\$0
Dairy	Flush	Liquid/Solid	Large 1	PA	3	L	31.2	\$223,987	\$836	\$98,065	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	PA	3	M	62.7	\$334,093	\$941	\$100,403	\$18	\$0
Dairy	Flush	Liquid/Solid	Large 1	SO	1	H	3.3	\$131,941	\$3,346	\$5,117	\$500	\$2,721
Dairy	Flush	Liquid/Solid	Large 1	SO	1	L	3.3	\$0	\$2,677	\$1,982	\$400	\$2,721
Dairy	Flush	Liquid/Solid	Large 1	SO	1	M	6.7	\$110,413	\$3,011	\$4,438	\$450	\$2,721
Dairy	Flush	Liquid/Solid	Large 1	SO	2	H	9.9	\$131,941	\$1,605	\$151,760	\$28	\$85
Dairy	Flush	Liquid/Solid	Large 1	SO	2	L	9.9	\$0	\$1,284	\$148,829	\$22	\$85
Dairy	Flush	Liquid/Solid	Large 1	SO	2	M	19.8	\$110,413	\$1,445	\$151,183	\$25	\$85
Dairy	Flush	Liquid/Solid	Large 1	SO	3	H	3.7	\$329,796	\$1,045	\$87,529	\$20	\$0
Dairy	Flush	Liquid/Solid	Large 1	SO	3	L	3.7	\$197,855	\$836	\$84,620	\$16	\$0
Dairy	Flush	Liquid/Solid	Large 1	SO	3	M	7.5	\$308,268	\$941	\$86,964	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	CE	1	H	6.4	\$29,265	\$2,261	\$2,292	\$216	\$1,149
Dairy	Flush	Liquid/Solid	Medium 1	CE	1	L	6.4	\$5,776	\$1,809	\$1,481	\$173	\$1,149
Dairy	Flush	Liquid/Solid	Medium 1	CE	1	M	13.0	\$29,008	\$2,035	\$2,116	\$195	\$1,149
Dairy	Flush	Liquid/Solid	Medium 1	CE	2	H	7.8	\$29,265	\$2,374	\$2,428	\$246	\$941
Dairy	Flush	Liquid/Solid	Medium 1	CE	2	L	7.8	\$5,776	\$1,899	\$1,604	\$197	\$941
Dairy	Flush	Liquid/Solid	Medium 1	CE	2	M	15.9	\$29,008	\$2,137	\$2,246	\$222	\$941
Dairy	Flush	Liquid/Solid	Medium 1	CE	3	H	2.3	\$29,265	\$1,045	\$16,754	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	CE	3	L	2.3	\$5,776	\$836	\$16,042	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	CE	3	M	4.7	\$29,008	\$941	\$16,628	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MA	1	H	12.8	\$29,302	\$1,416	\$1,656	\$131	\$1,165
Dairy	Flush	Liquid/Solid	Medium 1	MA	1	L	12.8	\$5,875	\$1,133	\$974	\$105	\$1,165
Dairy	Flush	Liquid/Solid	Medium 1	MA	1	M	25.7	\$29,141	\$1,275	\$1,546	\$118	\$1,165
Dairy	Flush	Liquid/Solid	Medium 1	MA	2	H	16.0	\$29,302	\$1,507	\$1,821	\$158	\$942
Dairy	Flush	Liquid/Solid	Medium 1	MA	2	L	16.0	\$5,875	\$1,206	\$1,128	\$126	\$942

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 1	MA	2	M	32.0	\$29,141	\$1,356	\$1,705	\$142	\$942
Dairy	Flush	Liquid/Solid	Medium 1	MA	3	H	4.7	\$227,158	\$659	\$40,802	\$13	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MA	3	L	4.7	\$203,731	\$527	\$40,181	\$10	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MA	3	M	9.4	\$226,996	\$593	\$40,723	\$11	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MW	1	H	11.7	\$29,628	\$2,315	\$2,330	\$223	\$1,277
Dairy	Flush	Liquid/Solid	Medium 1	MW	1	L	11.7	\$6,011	\$1,852	\$1,510	\$178	\$1,277
Dairy	Flush	Liquid/Solid	Medium 1	MW	1	M	23.8	\$29,371	\$2,083	\$2,151	\$200	\$1,277
Dairy	Flush	Liquid/Solid	Medium 1	MW	2	H	13.8	\$29,628	\$2,489	\$2,473	\$264	\$1,051
Dairy	Flush	Liquid/Solid	Medium 1	MW	2	L	13.8	\$6,011	\$1,991	\$1,633	\$211	\$1,051
Dairy	Flush	Liquid/Solid	Medium 1	MW	2	M	28.0	\$29,371	\$2,240	\$2,284	\$237	\$1,051
Dairy	Flush	Liquid/Solid	Medium 1	MW	3	H	4.2	\$29,628	\$1,045	\$11,385	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MW	3	L	4.2	\$6,011	\$836	\$10,671	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	MW	3	M	8.4	\$29,371	\$941	\$11,259	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	PA	1	H	3.5	\$29,265	\$1,995	\$2,137	\$137	\$735
Dairy	Flush	Liquid/Solid	Medium 1	PA	1	L	3.5	\$5,776	\$1,596	\$1,357	\$110	\$735
Dairy	Flush	Liquid/Solid	Medium 1	PA	1	M	7.1	\$29,008	\$1,796	\$1,977	\$123	\$735
Dairy	Flush	Liquid/Solid	Medium 1	PA	2	H	5.2	\$29,265	\$2,069	\$2,281	\$160	\$595
Dairy	Flush	Liquid/Solid	Medium 1	PA	2	L	5.2	\$5,776	\$1,655	\$1,492	\$128	\$595
Dairy	Flush	Liquid/Solid	Medium 1	PA	2	M	10.4	\$29,008	\$1,862	\$2,116	\$144	\$595
Dairy	Flush	Liquid/Solid	Medium 1	PA	3	H	1.4	\$29,265	\$1,045	\$31,537	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	PA	3	L	1.4	\$5,776	\$836	\$30,825	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	PA	3	M	2.8	\$29,008	\$941	\$31,411	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 1	SO	1	H	5.5	\$29,393	\$1,857	\$2,059	\$97	\$450
Dairy	Flush	Liquid/Solid	Medium 1	SO	1	L	5.5	\$5,776	\$1,486	\$1,293	\$78	\$450
Dairy	Flush	Liquid/Solid	Medium 1	SO	1	M	10.9	\$29,136	\$1,671	\$1,907	\$87	\$450
Dairy	Flush	Liquid/Solid	Medium 1	SO	2	H	5.3	\$29,393	\$1,834	\$2,109	\$94	\$343

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 1	SO	2	L	5.3	\$5,776	\$1,467	\$1,345	\$75	\$343
Dairy	Flush	Liquid/Solid	Medium 1	SO	2	M	10.5	\$29,136	\$1,650	\$1,958	\$85	\$343
Dairy	Flush	Liquid/Solid	Medium 1	SO	3	H	1.8	\$29,393	\$1,045	\$22,645	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 1	SO	3	L	1.8	\$5,776	\$836	\$21,931	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 1	SO	3	M	3.5	\$29,136	\$941	\$22,519	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	CE	1	H	2.3	\$45,465	\$2,746	\$2,898	\$346	\$1,931
Dairy	Flush	Liquid/Solid	Medium 2	CE	1	L	2.3	\$8,993	\$2,197	\$1,771	\$277	\$1,931
Dairy	Flush	Liquid/Solid	Medium 2	CE	1	M	4.7	\$45,130	\$2,471	\$2,692	\$311	\$1,931
Dairy	Flush	Liquid/Solid	Medium 2	CE	2	H	2.8	\$45,465	\$2,053	\$24,653	\$152	\$573
Dairy	Flush	Liquid/Solid	Medium 2	CE	2	L	2.8	\$8,993	\$1,642	\$23,606	\$122	\$573
Dairy	Flush	Liquid/Solid	Medium 2	CE	2	M	5.8	\$45,130	\$1,848	\$24,487	\$137	\$573
Dairy	Flush	Liquid/Solid	Medium 2	CE	3	H	0.8	\$45,465	\$1,045	\$26,729	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	CE	3	L	0.8	\$8,993	\$836	\$25,758	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	CE	3	M	1.7	\$45,130	\$941	\$26,602	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MA	1	H	4.6	\$45,514	\$1,737	\$2,167	\$214	\$2,004
Dairy	Flush	Liquid/Solid	Medium 2	MA	1	L	4.6	\$9,122	\$1,389	\$1,188	\$171	\$2,004
Dairy	Flush	Liquid/Solid	Medium 2	MA	1	M	9.3	\$45,303	\$1,563	\$2,037	\$193	\$2,004
Dairy	Flush	Liquid/Solid	Medium 2	MA	2	H	5.8	\$45,514	\$1,257	\$36,322	\$84	\$501
Dairy	Flush	Liquid/Solid	Medium 2	MA	2	L	5.8	\$9,122	\$1,006	\$35,398	\$67	\$501
Dairy	Flush	Liquid/Solid	Medium 2	MA	2	M	11.6	\$45,303	\$1,131	\$36,220	\$76	\$501
Dairy	Flush	Liquid/Solid	Medium 2	MA	3	H	1.7	\$247,103	\$659	\$69,121	\$13	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MA	3	L	1.7	\$210,711	\$527	\$68,240	\$10	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MA	3	M	3.4	\$246,892	\$593	\$69,040	\$11	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MW	1	H	4.3	\$45,938	\$2,852	\$2,969	\$369	\$2,168
Dairy	Flush	Liquid/Solid	Medium 2	MW	1	L	4.3	\$9,299	\$2,282	\$1,826	\$295	\$2,168
Dairy	Flush	Liquid/Solid	Medium 2	MW	1	M	8.5	\$45,604	\$2,567	\$2,757	\$332	\$2,168

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 2	MW	2	H	5.0	\$45,938	\$2,160	\$14,289	\$178	\$685
Dairy	Flush	Liquid/Solid	Medium 2	MW	2	L	5.0	\$9,299	\$1,728	\$13,227	\$143	\$685
Dairy	Flush	Liquid/Solid	Medium 2	MW	2	M	10.0	\$45,604	\$1,944	\$14,117	\$160	\$685
Dairy	Flush	Liquid/Solid	Medium 2	MW	3	H	1.5	\$45,938	\$1,045	\$18,197	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MW	3	L	1.5	\$9,299	\$836	\$17,222	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	MW	3	M	3.0	\$45,604	\$941	\$18,069	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	PA	1	H	1.3	\$45,465	\$2,310	\$2,644	\$229	\$1,249
Dairy	Flush	Liquid/Solid	Medium 2	PA	1	L	1.3	\$8,993	\$1,848	\$1,568	\$183	\$1,249
Dairy	Flush	Liquid/Solid	Medium 2	PA	1	M	2.6	\$45,130	\$2,079	\$2,464	\$206	\$1,249
Dairy	Flush	Liquid/Solid	Medium 2	PA	2	H	1.9	\$45,465	\$1,822	\$53,342	\$97	\$314
Dairy	Flush	Liquid/Solid	Medium 2	PA	2	L	1.9	\$8,993	\$1,458	\$52,322	\$78	\$314
Dairy	Flush	Liquid/Solid	Medium 2	PA	2	M	3.7	\$45,130	\$1,640	\$53,190	\$88	\$314
Dairy	Flush	Liquid/Solid	Medium 2	PA	3	H	0.5	\$45,465	\$1,045	\$52,033	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	PA	3	L	0.5	\$8,993	\$836	\$51,061	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	PA	3	M	1.0	\$45,130	\$941	\$51,905	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 2	SO	1	H	2.0	\$45,632	\$2,071	\$2,509	\$167	\$759
Dairy	Flush	Liquid/Solid	Medium 2	SO	1	L	2.0	\$8,993	\$1,657	\$1,457	\$134	\$759
Dairy	Flush	Liquid/Solid	Medium 2	SO	1	M	4.0	\$45,298	\$1,864	\$2,342	\$151	\$759
Dairy	Flush	Liquid/Solid	Medium 2	SO	2	H	1.9	\$45,632	\$1,624	\$63,169	\$31	\$92
Dairy	Flush	Liquid/Solid	Medium 2	SO	2	L	1.9	\$8,993	\$1,299	\$62,169	\$25	\$92
Dairy	Flush	Liquid/Solid	Medium 2	SO	2	M	3.8	\$45,298	\$1,462	\$63,029	\$28	\$92
Dairy	Flush	Liquid/Solid	Medium 2	SO	3	H	0.6	\$45,632	\$1,045	\$36,319	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 2	SO	3	L	0.6	\$8,993	\$836	\$35,345	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 2	SO	3	M	1.3	\$45,298	\$941	\$36,192	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	CE	1	H	1.2	\$61,054	\$3,197	\$3,472	\$459	\$2,663
Dairy	Flush	Liquid/Solid	Medium 3	CE	1	L	1.2	\$12,092	\$2,558	\$2,043	\$367	\$2,663

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 3	CE	1	M	2.5	\$60,657	\$2,878	\$3,239	\$413	\$2,663
Dairy	Flush	Liquid/Solid	Medium 3	CE	2	H	1.5	\$61,054	\$2,730	\$3,427	\$337	\$1,336
Dairy	Flush	Liquid/Solid	Medium 3	CE	2	L	1.5	\$12,092	\$2,184	\$2,052	\$270	\$1,336
Dairy	Flush	Liquid/Solid	Medium 3	CE	2	M	3.0	\$60,657	\$2,457	\$3,221	\$303	\$1,336
Dairy	Flush	Liquid/Solid	Medium 3	CE	3	H	0.4	\$61,054	\$1,045	\$35,666	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	CE	3	L	0.4	\$12,092	\$836	\$34,444	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	CE	3	M	0.9	\$60,657	\$941	\$35,537	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MA	1	H	1.1	\$61,113	\$2,085	\$2,682	\$307	\$2,902
Dairy	Flush	Liquid/Solid	Medium 3	MA	1	L	1.1	\$12,245	\$1,668	\$1,413	\$246	\$2,902
Dairy	Flush	Liquid/Solid	Medium 3	MA	1	M	1.9	\$60,862	\$1,876	\$2,531	\$277	\$2,902
Dairy	Flush	Liquid/Solid	Medium 3	MA	2	H	1.3	\$61,113	\$1,734	\$4,966	\$218	\$1,357
Dairy	Flush	Liquid/Solid	Medium 3	MA	2	L	1.3	\$12,245	\$1,387	\$3,738	\$174	\$1,357
Dairy	Flush	Liquid/Solid	Medium 3	MA	2	M	2.4	\$60,862	\$1,560	\$4,835	\$196	\$1,357
Dairy	Flush	Liquid/Solid	Medium 3	MA	3	H	0.4	\$270,167	\$659	\$100,255	\$13	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MA	3	L	0.4	\$221,300	\$527	\$99,125	\$10	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MA	3	M	0.7	\$269,917	\$593	\$100,174	\$11	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MW	1	H	0.7	\$61,616	\$3,337	\$3,565	\$501	\$2,984
Dairy	Flush	Liquid/Solid	Medium 3	MW	1	L	0.7	\$12,455	\$2,669	\$2,115	\$401	\$2,984
Dairy	Flush	Liquid/Solid	Medium 3	MW	1	M	1.2	\$61,219	\$3,003	\$3,324	\$451	\$2,984
Dairy	Flush	Liquid/Solid	Medium 3	MW	2	H	0.8	\$61,616	\$2,927	\$3,461	\$388	\$1,533
Dairy	Flush	Liquid/Solid	Medium 3	MW	2	L	0.8	\$12,455	\$2,342	\$2,059	\$310	\$1,533
Dairy	Flush	Liquid/Solid	Medium 3	MW	2	M	1.5	\$61,219	\$2,635	\$3,244	\$349	\$1,533
Dairy	Flush	Liquid/Solid	Medium 3	MW	3	H	0.3	\$61,616	\$1,045	\$24,145	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MW	3	L	0.3	\$12,455	\$836	\$22,920	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	MW	3	M	0.4	\$61,219	\$941	\$24,016	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	PA	1	H	1.3	\$61,054	\$2,627	\$3,141	\$309	\$1,765

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Flush	Liquid/Solid	Medium 3	PA	1	L	1.3	\$12,092	\$2,102	\$1,777	\$247	\$1,765
Dairy	Flush	Liquid/Solid	Medium 3	PA	1	M	2.6	\$60,657	\$2,364	\$2,941	\$278	\$1,765
Dairy	Flush	Liquid/Solid	Medium 3	PA	2	H	1.9	\$61,054	\$2,271	\$9,421	\$218	\$825
Dairy	Flush	Liquid/Solid	Medium 3	PA	2	L	1.9	\$12,092	\$1,817	\$8,100	\$174	\$825
Dairy	Flush	Liquid/Solid	Medium 3	PA	2	M	3.8	\$60,657	\$2,044	\$9,242	\$196	\$825
Dairy	Flush	Liquid/Solid	Medium 3	PA	3	H	0.5	\$61,054	\$1,045	\$72,517	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	PA	3	L	0.5	\$12,092	\$836	\$71,295	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	PA	3	M	1.1	\$60,657	\$941	\$72,388	\$18	\$0
Dairy	Flush	Liquid/Solid	Medium 3	SO	1	H	0.8	\$61,253	\$2,331	\$2,972	\$229	\$1,136
Dairy	Flush	Liquid/Solid	Medium 3	SO	1	L	0.8	\$12,092	\$1,865	\$1,640	\$183	\$1,136
Dairy	Flush	Liquid/Solid	Medium 3	SO	1	M	1.8	\$60,855	\$2,098	\$2,790	\$206	\$1,136
Dairy	Flush	Liquid/Solid	Medium 3	SO	2	H	0.7	\$61,253	\$1,904	\$25,808	\$119	\$431
Dairy	Flush	Liquid/Solid	Medium 3	SO	2	L	0.7	\$12,092	\$1,523	\$24,525	\$95	\$431
Dairy	Flush	Liquid/Solid	Medium 3	SO	2	M	1.8	\$60,855	\$1,714	\$25,650	\$107	\$431
Dairy	Flush	Liquid/Solid	Medium 3	SO	3	H	0.2	\$61,253	\$1,045	\$60,506	\$20	\$0
Dairy	Flush	Liquid/Solid	Medium 3	SO	3	L	0.2	\$12,092	\$836	\$59,281	\$16	\$0
Dairy	Flush	Liquid/Solid	Medium 3	SO	3	M	0.6	\$60,855	\$941	\$60,377	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	CE	1	H	5.4	\$23,286	\$4,821	\$4,070	\$903	\$5,833
Dairy	Hose	Liquid/Solid	Large 1	CE	1	L	5.4	\$3,357	\$3,857	\$2,790	\$722	\$5,833
Dairy	Hose	Liquid/Solid	Large 1	CE	1	M	10.9	\$15,066	\$4,339	\$3,465	\$812	\$5,833
Dairy	Hose	Liquid/Solid	Large 1	CE	2	H	14.1	\$27,552	\$2,579	\$4,606	\$303	\$1,246
Dairy	Hose	Liquid/Solid	Large 1	CE	2	L	14.1	\$4,210	\$2,063	\$3,654	\$243	\$1,246
Dairy	Hose	Liquid/Solid	Large 1	CE	2	M	28.1	\$17,625	\$2,321	\$4,164	\$273	\$1,246
Dairy	Hose	Liquid/Solid	Large 1	CE	3	H	5.5	\$6,503	\$1,045	\$5,450	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	CE	3	L	5.5	\$0	\$836	\$5,050	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	CE	3	M	11.0	\$4,996	\$941	\$5,285	\$18	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Large 1	MA	1	H	2.3	\$38,923	\$3,337	\$3,738	\$645	\$6,911
Dairy	Hose	Liquid/Solid	Large 1	MA	1	L	2.3	\$12,572	\$2,669	\$2,333	\$516	\$6,911
Dairy	Hose	Liquid/Solid	Large 1	MA	1	M	4.7	\$28,521	\$3,003	\$3,110	\$581	\$6,911
Dairy	Hose	Liquid/Solid	Large 1	MA	2	H	7.8	\$33,559	\$1,528	\$6,955	\$158	\$1,063
Dairy	Hose	Liquid/Solid	Large 1	MA	2	L	7.8	\$10,526	\$1,222	\$5,338	\$127	\$1,063
Dairy	Hose	Liquid/Solid	Large 1	MA	2	M	15.6	\$24,671	\$1,375	\$6,239	\$142	\$1,063
Dairy	Hose	Liquid/Solid	Large 1	MA	3	H	2.9	\$6,593	\$659	\$57,740	\$13	\$0
Dairy	Hose	Liquid/Solid	Large 1	MA	3	L	2.9	\$237	\$527	\$57,443	\$10	\$0
Dairy	Hose	Liquid/Solid	Large 1	MA	3	M	5.7	\$5,313	\$593	\$57,630	\$11	\$0
Dairy	Hose	Liquid/Solid	Large 1	MW	1	H	2.4	\$39,785	\$5,295	\$5,357	\$1,024	\$7,015
Dairy	Hose	Liquid/Solid	Large 1	MW	1	L	2.4	\$5,389	\$4,236	\$3,138	\$819	\$7,015
Dairy	Hose	Liquid/Solid	Large 1	MW	1	M	4.9	\$25,951	\$4,765	\$4,358	\$922	\$7,015
Dairy	Hose	Liquid/Solid	Large 1	MW	2	H	6.9	\$48,469	\$2,893	\$5,515	\$380	\$1,610
Dairy	Hose	Liquid/Solid	Large 1	MW	2	L	6.9	\$6,682	\$2,314	\$3,228	\$304	\$1,610
Dairy	Hose	Liquid/Solid	Large 1	MW	2	M	13.8	\$31,332	\$2,603	\$4,500	\$342	\$1,610
Dairy	Hose	Liquid/Solid	Large 1	MW	3	H	2.6	\$7,371	\$1,045	\$5,661	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	MW	3	L	2.6	\$561	\$836	\$5,255	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	MW	3	M	5.3	\$5,864	\$941	\$5,496	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	PA	1	H	7.9	\$25,602	\$3,847	\$3,889	\$631	\$4,206
Dairy	Hose	Liquid/Solid	Large 1	PA	1	L	7.9	\$3,820	\$3,077	\$2,413	\$505	\$4,206
Dairy	Hose	Liquid/Solid	Large 1	PA	1	M	16.1	\$16,455	\$3,462	\$3,186	\$568	\$4,206
Dairy	Hose	Liquid/Solid	Large 1	PA	2	H	28.8	\$30,521	\$2,074	\$6,515	\$153	\$642
Dairy	Hose	Liquid/Solid	Large 1	PA	2	L	28.8	\$4,804	\$1,659	\$5,024	\$123	\$642
Dairy	Hose	Liquid/Solid	Large 1	PA	2	M	58.8	\$19,407	\$1,866	\$5,805	\$138	\$642
Dairy	Hose	Liquid/Solid	Large 1	PA	3	H	10.3	\$6,503	\$1,045	\$24,889	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	PA	3	L	10.3	\$0	\$836	\$24,489	\$16	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Large 1	PA	3	M	21.1	\$4,996	\$941	\$24,723	\$18	\$0
Dairy	Hose	Liquid/Solid	Large 1	SO	1	H	1.2	\$43,717	\$3,346	\$3,209	\$500	\$2,721
Dairy	Hose	Liquid/Solid	Large 1	SO	1	L	1.2	\$21,009	\$2,677	\$2,321	\$400	\$2,721
Dairy	Hose	Liquid/Solid	Large 1	SO	1	M	2.2	\$34,261	\$3,011	\$2,803	\$450	\$2,721
Dairy	Hose	Liquid/Solid	Large 1	SO	2	H	3.5	\$24,261	\$1,605	\$18,632	\$28	\$85
Dairy	Hose	Liquid/Solid	Large 1	SO	2	L	3.5	\$9,934	\$1,284	\$17,827	\$22	\$85
Dairy	Hose	Liquid/Solid	Large 1	SO	2	M	6.4	\$18,995	\$1,445	\$18,267	\$25	\$85
Dairy	Hose	Liquid/Solid	Large 1	SO	3	H	1.3	\$6,809	\$1,045	\$22,726	\$20	\$0
Dairy	Hose	Liquid/Solid	Large 1	SO	3	L	1.3	\$0	\$836	\$22,320	\$16	\$0
Dairy	Hose	Liquid/Solid	Large 1	SO	3	M	2.4	\$5,303	\$941	\$22,561	\$18	\$0
Dairy	Hose	Liquid/Solid	Medium 1	CE	1	H	6.4	\$22,903	\$2,261	\$2,732	\$2,158	\$1,149
Dairy	Hose	Liquid/Solid	Medium 1	CE	1	L	6.4	\$8,895	\$1,809	\$1,788	\$2,115	\$1,149
Dairy	Hose	Liquid/Solid	Medium 1	CE	1	M	12.9	\$17,277	\$2,035	\$2,288	\$2,137	\$1,149
Dairy	Hose	Liquid/Solid	Medium 1	CE	2	H	7.8	\$22,903	\$2,374	\$3,103	\$2,189	\$941
Dairy	Hose	Liquid/Solid	Medium 1	CE	2	L	7.8	\$8,895	\$1,899	\$2,147	\$2,139	\$941
Dairy	Hose	Liquid/Solid	Medium 1	CE	2	M	15.8	\$17,277	\$2,137	\$2,653	\$2,164	\$941
Dairy	Hose	Liquid/Solid	Medium 1	CE	3	H	2.3	\$9,479	\$1,045	\$2,948	\$1,962	\$0
Dairy	Hose	Liquid/Solid	Medium 1	CE	3	L	2.3	\$6,210	\$836	\$2,640	\$1,958	\$0
Dairy	Hose	Liquid/Solid	Medium 1	CE	3	M	4.7	\$9,223	\$941	\$2,822	\$1,960	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MA	1	H	38.7	\$24,210	\$1,446	\$2,182	\$1,945	\$1,165
Dairy	Hose	Liquid/Solid	Medium 1	MA	1	L	38.7	\$10,951	\$1,157	\$1,398	\$1,918	\$1,165
Dairy	Hose	Liquid/Solid	Medium 1	MA	1	M	77.2	\$19,374	\$1,302	\$1,837	\$1,931	\$1,165
Dairy	Hose	Liquid/Solid	Medium 1	MA	2	H	48.3	\$24,210	\$1,539	\$2,738	\$1,972	\$942
Dairy	Hose	Liquid/Solid	Medium 1	MA	2	L	48.3	\$10,951	\$1,231	\$1,942	\$1,940	\$942
Dairy	Hose	Liquid/Solid	Medium 1	MA	2	M	96.4	\$19,374	\$1,385	\$2,386	\$1,956	\$942
Dairy	Hose	Liquid/Solid	Medium 1	MA	3	H	14.2	\$8,984	\$673	\$12,869	\$1,824	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 1	MA	3	L	14.2	\$5,746	\$538	\$12,649	\$1,821	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MA	3	M	28.3	\$8,807	\$605	\$12,788	\$1,822	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MW	1	H	35.4	\$33,370	\$2,315	\$3,276	\$1,673	\$1,277
Dairy	Hose	Liquid/Solid	Medium 1	MW	1	L	35.4	\$8,842	\$1,852	\$1,805	\$1,629	\$1,277
Dairy	Hose	Liquid/Solid	Medium 1	MW	1	M	70.7	\$23,409	\$2,083	\$2,612	\$1,651	\$1,277
Dairy	Hose	Liquid/Solid	Medium 1	MW	2	H	41.6	\$33,370	\$2,489	\$3,555	\$1,714	\$1,051
Dairy	Hose	Liquid/Solid	Medium 1	MW	2	L	41.6	\$8,842	\$1,991	\$2,064	\$1,661	\$1,051
Dairy	Hose	Liquid/Solid	Medium 1	MW	2	M	83.3	\$23,409	\$2,240	\$2,882	\$1,688	\$1,051
Dairy	Hose	Liquid/Solid	Medium 1	MW	3	H	12.5	\$8,852	\$1,045	\$2,625	\$1,470	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MW	3	L	12.5	\$5,397	\$836	\$2,314	\$1,466	\$0
Dairy	Hose	Liquid/Solid	Medium 1	MW	3	M	25.1	\$8,567	\$941	\$2,499	\$1,468	\$0
Dairy	Hose	Liquid/Solid	Medium 1	PA	1	H	3.6	\$25,328	\$1,995	\$2,699	\$2,951	\$735
Dairy	Hose	Liquid/Solid	Medium 1	PA	1	L	3.6	\$11,320	\$1,596	\$1,786	\$2,923	\$735
Dairy	Hose	Liquid/Solid	Medium 1	PA	1	M	7.1	\$19,702	\$1,796	\$2,270	\$2,937	\$735
Dairy	Hose	Liquid/Solid	Medium 1	PA	2	H	5.2	\$25,328	\$2,069	\$3,188	\$2,974	\$595
Dairy	Hose	Liquid/Solid	Medium 1	PA	2	L	5.2	\$11,320	\$1,655	\$2,266	\$2,942	\$595
Dairy	Hose	Liquid/Solid	Medium 1	PA	2	M	10.4	\$19,702	\$1,862	\$2,755	\$2,958	\$595
Dairy	Hose	Liquid/Solid	Medium 1	PA	3	H	1.4	\$11,904	\$1,045	\$6,744	\$2,834	\$0
Dairy	Hose	Liquid/Solid	Medium 1	PA	3	L	1.4	\$8,636	\$836	\$6,437	\$2,830	\$0
Dairy	Hose	Liquid/Solid	Medium 1	PA	3	M	2.8	\$11,648	\$941	\$6,618	\$2,832	\$0
Dairy	Hose	Liquid/Solid	Medium 1	SO	1	H	5.5	\$28,639	\$1,857	\$2,780	\$3,033	\$450
Dairy	Hose	Liquid/Solid	Medium 1	SO	1	L	5.5	\$17,725	\$1,486	\$2,042	\$3,014	\$450
Dairy	Hose	Liquid/Solid	Medium 1	SO	1	M	10.7	\$24,624	\$1,671	\$2,440	\$3,024	\$450
Dairy	Hose	Liquid/Solid	Medium 1	SO	2	H	5.3	\$28,639	\$1,834	\$3,033	\$3,031	\$343
Dairy	Hose	Liquid/Solid	Medium 1	SO	2	L	5.3	\$17,725	\$1,467	\$2,297	\$3,012	\$343
Dairy	Hose	Liquid/Solid	Medium 1	SO	2	M	10.4	\$24,624	\$1,650	\$2,694	\$3,021	\$343

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 1	SO	3	H	1.8	\$11,188	\$1,045	\$5,398	\$2,956	\$0
Dairy	Hose	Liquid/Solid	Medium 1	SO	3	L	1.8	\$7,791	\$836	\$5,088	\$2,952	\$0
Dairy	Hose	Liquid/Solid	Medium 1	SO	3	M	3.4	\$10,932	\$941	\$5,272	\$2,954	\$0
Dairy	Hose	Liquid/Solid	Medium 2	CE	1	H	2.3	\$25,653	\$2,746	\$3,133	\$3,648	\$1,931
Dairy	Hose	Liquid/Solid	Medium 2	CE	1	L	2.3	\$11,120	\$2,197	\$2,122	\$3,579	\$1,931
Dairy	Hose	Liquid/Solid	Medium 2	CE	1	M	4.7	\$19,949	\$2,471	\$2,659	\$3,613	\$1,931
Dairy	Hose	Liquid/Solid	Medium 2	CE	2	H	2.8	\$25,653	\$2,053	\$3,491	\$3,454	\$573
Dairy	Hose	Liquid/Solid	Medium 2	CE	2	L	2.8	\$11,120	\$1,642	\$2,561	\$3,423	\$573
Dairy	Hose	Liquid/Solid	Medium 2	CE	2	M	5.7	\$19,949	\$1,848	\$3,057	\$3,439	\$573
Dairy	Hose	Liquid/Solid	Medium 2	CE	3	H	0.8	\$12,229	\$1,045	\$3,622	\$3,322	\$0
Dairy	Hose	Liquid/Solid	Medium 2	CE	3	L	0.8	\$8,436	\$836	\$3,304	\$3,318	\$0
Dairy	Hose	Liquid/Solid	Medium 2	CE	3	M	1.7	\$11,895	\$941	\$3,494	\$3,320	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MA	1	H	13.9	\$33,153	\$1,774	\$2,364	\$3,297	\$2,004
Dairy	Hose	Liquid/Solid	Medium 2	MA	1	L	13.9	\$15,262	\$1,419	\$1,613	\$3,253	\$2,004
Dairy	Hose	Liquid/Solid	Medium 2	MA	1	M	28.0	\$26,350	\$1,596	\$2,036	\$3,275	\$2,004
Dairy	Hose	Liquid/Solid	Medium 2	MA	2	H	17.3	\$38,150	\$1,284	\$3,086	\$3,164	\$501
Dairy	Hose	Liquid/Solid	Medium 2	MA	2	L	17.3	\$16,971	\$1,027	\$2,457	\$3,147	\$501
Dairy	Hose	Liquid/Solid	Medium 2	MA	2	M	34.9	\$29,818	\$1,155	\$2,817	\$3,155	\$501
Dairy	Hose	Liquid/Solid	Medium 2	MA	3	H	5.1	\$11,674	\$673	\$19,884	\$3,091	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MA	3	L	5.1	\$7,921	\$538	\$19,653	\$3,088	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MA	3	M	10.2	\$11,443	\$605	\$19,802	\$3,090	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MW	1	H	12.8	\$36,034	\$2,852	\$3,699	\$2,835	\$2,168
Dairy	Hose	Liquid/Solid	Medium 2	MW	1	L	12.8	\$10,924	\$2,282	\$2,155	\$2,761	\$2,168
Dairy	Hose	Liquid/Solid	Medium 2	MW	1	M	25.4	\$25,986	\$2,567	\$3,003	\$2,798	\$2,168
Dairy	Hose	Liquid/Solid	Medium 2	MW	2	H	15.1	\$36,034	\$2,160	\$3,751	\$2,644	\$685
Dairy	Hose	Liquid/Solid	Medium 2	MW	2	L	15.1	\$10,924	\$1,728	\$2,287	\$2,608	\$685

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 2	MW	2	M	29.9	\$25,986	\$1,944	\$3,095	\$2,626	\$685
Dairy	Hose	Liquid/Solid	Medium 2	MW	3	H	4.5	\$11,516	\$1,045	\$3,274	\$2,486	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MW	3	L	4.5	\$7,479	\$836	\$2,951	\$2,482	\$0
Dairy	Hose	Liquid/Solid	Medium 2	MW	3	M	9.0	\$11,144	\$941	\$3,145	\$2,484	\$0
Dairy	Hose	Liquid/Solid	Medium 2	PA	1	H	1.3	\$53,519	\$2,310	\$3,048	\$1,453	\$1,249
Dairy	Hose	Liquid/Solid	Medium 2	PA	1	L	1.3	\$38,986	\$1,848	\$2,088	\$1,407	\$1,249
Dairy	Hose	Liquid/Solid	Medium 2	PA	1	M	2.5	\$47,815	\$2,079	\$2,600	\$1,430	\$1,249
Dairy	Hose	Liquid/Solid	Medium 2	PA	2	H	1.9	\$53,519	\$1,822	\$3,771	\$1,322	\$314
Dairy	Hose	Liquid/Solid	Medium 2	PA	2	L	1.9	\$38,986	\$1,458	\$2,868	\$1,302	\$314
Dairy	Hose	Liquid/Solid	Medium 2	PA	2	M	3.7	\$47,815	\$1,640	\$3,351	\$1,312	\$314
Dairy	Hose	Liquid/Solid	Medium 2	PA	3	H	0.5	\$40,095	\$1,045	\$9,767	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 2	PA	3	L	0.5	\$36,301	\$836	\$9,450	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 2	PA	3	M	1.0	\$39,761	\$941	\$9,640	\$1,242	\$0
Dairy	Hose	Liquid/Solid	Medium 2	SO	1	H	1.8	\$56,407	\$2,071	\$3,049	\$1,392	\$759
Dairy	Hose	Liquid/Solid	Medium 2	SO	1	L	1.8	\$44,929	\$1,657	\$2,274	\$1,358	\$759
Dairy	Hose	Liquid/Solid	Medium 2	SO	1	M	4.0	\$52,314	\$1,864	\$2,694	\$1,375	\$759
Dairy	Hose	Liquid/Solid	Medium 2	SO	2	H	1.8	\$56,407	\$1,624	\$3,407	\$1,255	\$92
Dairy	Hose	Liquid/Solid	Medium 2	SO	2	L	1.8	\$44,929	\$1,299	\$2,684	\$1,249	\$92
Dairy	Hose	Liquid/Solid	Medium 2	SO	2	M	3.8	\$52,314	\$1,462	\$3,078	\$1,252	\$92
Dairy	Hose	Liquid/Solid	Medium 2	SO	3	H	0.6	\$38,956	\$1,045	\$7,560	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 2	SO	3	L	0.6	\$34,995	\$836	\$7,239	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 2	SO	3	M	1.3	\$38,622	\$941	\$7,433	\$1,242	\$0
Dairy	Hose	Liquid/Solid	Medium 3	CE	1	H	1.2	\$28,306	\$3,197	\$3,069	\$5,121	\$2,663
Dairy	Hose	Liquid/Solid	Medium 3	CE	1	L	1.2	\$13,290	\$2,558	\$2,350	\$5,029	\$2,663
Dairy	Hose	Liquid/Solid	Medium 3	CE	1	M	2.5	\$22,539	\$2,878	\$2,744	\$5,075	\$2,663
Dairy	Hose	Liquid/Solid	Medium 3	CE	2	H	1.4	\$28,306	\$2,730	\$4,191	\$4,998	\$1,336

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 3	CE	2	L	1.4	\$13,290	\$2,184	\$3,173	\$4,931	\$1,336
Dairy	Hose	Liquid/Solid	Medium 3	CE	2	M	3.0	\$22,539	\$2,457	\$3,717	\$4,965	\$1,336
Dairy	Hose	Liquid/Solid	Medium 3	CE	3	H	0.4	\$14,882	\$1,045	\$4,223	\$4,681	\$0
Dairy	Hose	Liquid/Solid	Medium 3	CE	3	L	0.4	\$10,605	\$836	\$3,895	\$4,677	\$0
Dairy	Hose	Liquid/Solid	Medium 3	CE	3	M	0.9	\$14,484	\$941	\$4,094	\$4,679	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MA	1	H	2.9	\$52,456	\$2,129	\$2,939	\$1,128	\$2,902
Dairy	Hose	Liquid/Solid	Medium 3	MA	1	L	2.9	\$33,759	\$1,703	\$1,966	\$1,065	\$2,902
Dairy	Hose	Liquid/Solid	Medium 3	MA	1	M	5.9	\$45,456	\$1,916	\$2,510	\$1,097	\$2,902
Dairy	Hose	Liquid/Solid	Medium 3	MA	2	H	3.7	\$57,569	\$1,771	\$4,345	\$1,037	\$1,357
Dairy	Hose	Liquid/Solid	Medium 3	MA	2	L	3.7	\$35,507	\$1,417	\$3,346	\$992	\$1,357
Dairy	Hose	Liquid/Solid	Medium 3	MA	2	M	7.4	\$49,004	\$1,594	\$3,905	\$1,015	\$1,357
Dairy	Hose	Liquid/Solid	Medium 3	MA	3	H	1.1	\$30,474	\$673	\$27,608	\$827	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MA	3	L	1.1	\$26,245	\$538	\$27,368	\$824	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MA	3	M	2.2	\$30,200	\$605	\$27,525	\$826	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MW	1	H	2.0	\$54,861	\$3,337	\$4,088	\$1,315	\$2,984
Dairy	Hose	Liquid/Solid	Medium 3	MW	1	L	2.0	\$29,223	\$2,669	\$2,477	\$1,215	\$2,984
Dairy	Hose	Liquid/Solid	Medium 3	MW	1	M	3.7	\$44,743	\$3,003	\$3,362	\$1,265	\$2,984
Dairy	Hose	Liquid/Solid	Medium 3	MW	2	H	2.3	\$54,861	\$2,927	\$4,418	\$1,202	\$1,533
Dairy	Hose	Liquid/Solid	Medium 3	MW	2	L	2.3	\$29,223	\$2,342	\$2,854	\$1,125	\$1,533
Dairy	Hose	Liquid/Solid	Medium 3	MW	2	M	4.4	\$44,743	\$2,635	\$3,716	\$1,163	\$1,533
Dairy	Hose	Liquid/Solid	Medium 3	MW	3	H	0.7	\$30,344	\$1,045	\$3,836	\$834	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MW	3	L	0.7	\$25,778	\$836	\$3,503	\$830	\$0
Dairy	Hose	Liquid/Solid	Medium 3	MW	3	M	1.3	\$29,901	\$941	\$3,706	\$832	\$0
Dairy	Hose	Liquid/Solid	Medium 3	PA	1	H	1.3	\$57,051	\$2,627	\$3,392	\$1,533	\$1,765
Dairy	Hose	Liquid/Solid	Medium 3	PA	1	L	1.3	\$42,035	\$2,102	\$2,385	\$1,471	\$1,765
Dairy	Hose	Liquid/Solid	Medium 3	PA	1	M	2.6	\$51,284	\$2,364	\$2,923	\$1,502	\$1,765

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Dairy	Hose	Liquid/Solid	Medium 3	PA	2	H	1.9	\$57,051	\$2,271	\$4,489	\$1,442	\$825
Dairy	Hose	Liquid/Solid	Medium 3	PA	2	L	1.9	\$42,035	\$1,817	\$3,524	\$1,399	\$825
Dairy	Hose	Liquid/Solid	Medium 3	PA	2	M	3.8	\$51,284	\$2,044	\$4,042	\$1,420	\$825
Dairy	Hose	Liquid/Solid	Medium 3	PA	3	H	0.5	\$43,627	\$1,045	\$12,783	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 3	PA	3	L	0.5	\$39,350	\$836	\$12,456	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 3	PA	3	M	1.0	\$43,229	\$941	\$12,654	\$1,242	\$0
Dairy	Hose	Liquid/Solid	Medium 3	SO	1	H	0.8	\$59,522	\$2,331	\$3,337	\$1,453	\$1,136
Dairy	Hose	Liquid/Solid	Medium 3	SO	1	L	0.8	\$47,529	\$1,865	\$2,522	\$1,408	\$1,136
Dairy	Hose	Liquid/Solid	Medium 3	SO	1	M	1.7	\$55,365	\$2,098	\$2,967	\$1,431	\$1,136
Dairy	Hose	Liquid/Solid	Medium 3	SO	2	H	0.7	\$59,522	\$1,904	\$3,915	\$1,343	\$431
Dairy	Hose	Liquid/Solid	Medium 3	SO	2	L	0.7	\$47,529	\$1,523	\$3,150	\$1,319	\$431
Dairy	Hose	Liquid/Solid	Medium 3	SO	2	M	1.6	\$55,365	\$1,714	\$3,570	\$1,331	\$431
Dairy	Hose	Liquid/Solid	Medium 3	SO	3	H	0.2	\$42,070	\$1,045	\$11,449	\$1,244	\$0
Dairy	Hose	Liquid/Solid	Medium 3	SO	3	L	0.2	\$37,595	\$836	\$11,117	\$1,240	\$0
Dairy	Hose	Liquid/Solid	Medium 3	SO	3	M	0.5	\$41,673	\$941	\$11,320	\$1,242	\$0
Heifers	Heifers	Liquid/Solid	Large 1	CE	1	H	16.5	\$39,561	\$2,221	\$3,569	\$202	\$1,355
Heifers	Heifers	Liquid/Solid	Large 1	CE	1	L	16.5	\$13,621	\$1,776	\$2,060	\$162	\$1,355
Heifers	Heifers	Liquid/Solid	Large 1	CE	1	M	33.5	\$27,983	\$1,998	\$2,871	\$182	\$1,355
Heifers	Heifers	Liquid/Solid	Large 1	CE	2	H	15.5	\$55,457	\$2,730	\$5,066	\$335	\$1,164
Heifers	Heifers	Liquid/Solid	Large 1	CE	2	L	15.5	\$19,081	\$2,184	\$3,144	\$268	\$1,164
Heifers	Heifers	Liquid/Solid	Large 1	CE	2	M	31.4	\$39,110	\$2,457	\$4,177	\$301	\$1,164
Heifers	Heifers	Liquid/Solid	Large 1	CE	3	H	4.0	\$3,924	\$1,045	\$8,661	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	CE	3	L	4.0	\$1,380	\$836	\$8,324	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	CE	3	M	8.0	\$3,037	\$941	\$8,503	\$18	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MA	1	H	0.0	\$56,544	\$2,165	\$5,759	\$186	\$1,317
Heifers	Heifers	Liquid/Solid	Large 1	MA	1	L	0.0	\$18,036	\$1,700	\$2,687	\$146	\$1,317

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Large 1	MA	1	M	0.0	\$38,414	\$2,063	\$4,472	\$177	\$1,317
Heifers	Heifers	Liquid/Solid	Large 1	MA	2	H	0.0	\$61,011	\$2,737	\$8,755	\$341	\$1,117
Heifers	Heifers	Liquid/Solid	Large 1	MA	2	L	0.0	\$19,477	\$2,150	\$4,680	\$268	\$1,117
Heifers	Heifers	Liquid/Solid	Large 1	MA	2	M	0.0	\$41,547	\$2,608	\$7,042	\$325	\$1,117
Heifers	Heifers	Liquid/Solid	Large 1	MA	3	H	0.0	\$196,885	\$1,045	\$55,927	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MA	3	L	0.0	\$192,284	\$821	\$55,504	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MA	3	M	0.0	\$193,693	\$996	\$55,786	\$19	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MW	1	H	0.0	\$37,257	\$2,042	\$3,841	\$152	\$1,079
Heifers	Heifers	Liquid/Solid	Large 1	MW	1	L	0.0	\$13,996	\$1,633	\$2,206	\$122	\$1,079
Heifers	Heifers	Liquid/Solid	Large 1	MW	1	M	0.0	\$26,525	\$1,838	\$3,048	\$137	\$1,079
Heifers	Heifers	Liquid/Solid	Large 1	MW	2	H	0.0	\$54,633	\$2,612	\$6,367	\$308	\$916
Heifers	Heifers	Liquid/Solid	Large 1	MW	2	L	0.0	\$20,946	\$2,090	\$3,573	\$247	\$916
Heifers	Heifers	Liquid/Solid	Large 1	MW	2	M	0.0	\$38,688	\$2,351	\$4,995	\$277	\$916
Heifers	Heifers	Liquid/Solid	Large 1	MW	3	H	0.0	\$4,449	\$1,045	\$6,951	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MW	3	L	0.0	\$872	\$836	\$6,570	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	MW	3	M	0.0	\$3,559	\$941	\$6,785	\$18	\$0
Heifers	Heifers	Liquid/Solid	Large 1	PA	1	H	9.7	\$42,750	\$2,015	\$4,611	\$145	\$961
Heifers	Heifers	Liquid/Solid	Large 1	PA	1	L	9.7	\$16,193	\$1,612	\$2,508	\$116	\$961
Heifers	Heifers	Liquid/Solid	Large 1	PA	1	M	19.8	\$30,318	\$1,813	\$3,581	\$130	\$961
Heifers	Heifers	Liquid/Solid	Large 1	PA	2	H	11.7	\$61,083	\$2,376	\$8,116	\$242	\$828
Heifers	Heifers	Liquid/Solid	Large 1	PA	2	L	11.7	\$23,526	\$1,901	\$4,650	\$194	\$828
Heifers	Heifers	Liquid/Solid	Large 1	PA	2	M	23.8	\$43,151	\$2,138	\$6,405	\$218	\$828
Heifers	Heifers	Liquid/Solid	Large 1	PA	3	H	2.6	\$3,933	\$1,045	\$46,021	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	PA	3	L	2.6	\$666	\$836	\$45,656	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	PA	3	M	5.4	\$3,146	\$941	\$45,860	\$18	\$0
Heifers	Heifers	Liquid/Solid	Large 1	SO	1	H	0.0	\$64,695	\$1,886	\$5,280	\$109	\$588

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Large 1	SO	1	L	0.0	\$17,539	\$1,509	\$2,253	\$87	\$588
Heifers	Heifers	Liquid/Solid	Large 1	SO	1	M	0.0	\$45,344	\$1,754	\$4,061	\$102	\$588
Heifers	Heifers	Liquid/Solid	Large 1	SO	2	H	0.0	\$65,449	\$2,025	\$9,971	\$156	\$500
Heifers	Heifers	Liquid/Solid	Large 1	SO	2	L	0.0	\$17,726	\$1,620	\$6,566	\$125	\$500
Heifers	Heifers	Liquid/Solid	Large 1	SO	2	M	0.0	\$45,865	\$1,883	\$8,598	\$145	\$500
Heifers	Heifers	Liquid/Solid	Large 1	SO	3	H	0.0	\$7,307	\$1,045	\$40,172	\$20	\$0
Heifers	Heifers	Liquid/Solid	Large 1	SO	3	L	0.0	\$3,340	\$836	\$39,760	\$16	\$0
Heifers	Heifers	Liquid/Solid	Large 1	SO	3	M	0.0	\$5,705	\$972	\$40,024	\$19	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	CE	1	H	1.7	\$61,508	\$1,767	\$4,442	\$564	\$323
Heifers	Heifers	Liquid/Solid	Medium 1	CE	1	L	1.7	\$23,704	\$1,413	\$2,298	\$548	\$323
Heifers	Heifers	Liquid/Solid	Medium 1	CE	1	M	3.0	\$44,892	\$1,590	\$3,482	\$556	\$323
Heifers	Heifers	Liquid/Solid	Medium 1	CE	2	H	0.4	\$61,508	\$1,709	\$4,641	\$550	\$154
Heifers	Heifers	Liquid/Solid	Medium 1	CE	2	L	0.4	\$23,704	\$1,367	\$2,503	\$537	\$154
Heifers	Heifers	Liquid/Solid	Medium 1	CE	2	M	0.7	\$44,892	\$1,538	\$3,684	\$543	\$154
Heifers	Heifers	Liquid/Solid	Medium 1	CE	3	H	0.2	\$7,812	\$1,045	\$3,190	\$505	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	CE	3	L	0.2	\$6,583	\$836	\$2,916	\$501	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	CE	3	M	0.3	\$7,305	\$941	\$3,057	\$503	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MA	1	H	0.0	\$74,801	\$1,776	\$4,735	\$1,650	\$340
Heifers	Heifers	Liquid/Solid	Medium 1	MA	1	L	0.0	\$29,427	\$1,395	\$2,457	\$1,633	\$340
Heifers	Heifers	Liquid/Solid	Medium 1	MA	1	M	0.0	\$54,183	\$1,692	\$3,788	\$1,646	\$340
Heifers	Heifers	Liquid/Solid	Medium 1	MA	2	H	0.0	\$92,379	\$1,703	\$7,307	\$1,635	\$145
Heifers	Heifers	Liquid/Solid	Medium 1	MA	2	L	0.0	\$35,096	\$1,337	\$4,653	\$1,621	\$145
Heifers	Heifers	Liquid/Solid	Medium 1	MA	2	M	0.0	\$66,514	\$1,623	\$6,192	\$1,632	\$145
Heifers	Heifers	Liquid/Solid	Medium 1	MA	3	H	0.0	\$10,979	\$1,045	\$26,642	\$1,589	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MA	3	L	0.0	\$8,843	\$821	\$26,325	\$1,584	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MA	3	M	0.0	\$9,411	\$996	\$26,549	\$1,588	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 1	MW	1	H	30.4	\$62,441	\$1,741	\$4,485	\$889	\$292
Heifers	Heifers	Liquid/Solid	Medium 1	MW	1	L	30.4	\$27,075	\$1,393	\$2,469	\$875	\$292
Heifers	Heifers	Liquid/Solid	Medium 1	MW	1	M	61.1	\$45,877	\$1,567	\$3,525	\$882	\$292
Heifers	Heifers	Liquid/Solid	Medium 1	MW	2	H	4.3	\$62,441	\$1,691	\$4,607	\$878	\$126
Heifers	Heifers	Liquid/Solid	Medium 1	MW	2	L	4.3	\$27,075	\$1,353	\$2,597	\$866	\$126
Heifers	Heifers	Liquid/Solid	Medium 1	MW	2	M	8.7	\$45,877	\$1,522	\$3,651	\$872	\$126
Heifers	Heifers	Liquid/Solid	Medium 1	MW	3	H	2.6	\$8,745	\$1,045	\$3,096	\$836	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MW	3	L	2.6	\$7,189	\$836	\$2,809	\$832	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	MW	3	M	5.3	\$8,290	\$941	\$2,961	\$834	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	PA	1	H	0.8	\$65,075	\$1,723	\$4,612	\$1,757	\$257
Heifers	Heifers	Liquid/Solid	Medium 1	PA	1	L	0.8	\$31,313	\$1,378	\$2,681	\$1,745	\$257
Heifers	Heifers	Liquid/Solid	Medium 1	PA	1	M	1.4	\$48,607	\$1,551	\$3,657	\$1,751	\$257
Heifers	Heifers	Liquid/Solid	Medium 1	PA	2	H	0.2	\$65,075	\$1,668	\$7,745	\$1,748	\$123
Heifers	Heifers	Liquid/Solid	Medium 1	PA	2	L	0.2	\$31,313	\$1,334	\$5,820	\$1,738	\$123
Heifers	Heifers	Liquid/Solid	Medium 1	PA	2	M	0.4	\$48,607	\$1,501	\$6,793	\$1,743	\$123
Heifers	Heifers	Liquid/Solid	Medium 1	PA	3	H	0.1	\$11,379	\$1,045	\$13,622	\$1,715	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	PA	3	L	0.1	\$9,835	\$836	\$13,338	\$1,711	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	PA	3	M	0.1	\$11,020	\$941	\$13,490	\$1,713	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	SO	1	H	0.0	\$64,170	\$1,657	\$4,504	\$1,914	\$157
Heifers	Heifers	Liquid/Solid	Medium 1	SO	1	L	0.0	\$23,338	\$1,325	\$2,221	\$1,904	\$157
Heifers	Heifers	Liquid/Solid	Medium 1	SO	1	M	0.0	\$47,372	\$1,541	\$3,583	\$1,911	\$157
Heifers	Heifers	Liquid/Solid	Medium 1	SO	2	H	0.0	\$64,170	\$1,609	\$8,994	\$1,901	\$68
Heifers	Heifers	Liquid/Solid	Medium 1	SO	2	L	0.0	\$23,338	\$1,287	\$6,717	\$1,894	\$68
Heifers	Heifers	Liquid/Solid	Medium 1	SO	2	M	0.0	\$47,372	\$1,496	\$8,076	\$1,899	\$68
Heifers	Heifers	Liquid/Solid	Medium 1	SO	3	H	0.0	\$12,085	\$1,045	\$12,246	\$1,885	\$0
Heifers	Heifers	Liquid/Solid	Medium 1	SO	3	L	0.0	\$10,451	\$836	\$11,952	\$1,881	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 1	SO	3	M	0.0	\$11,396	\$972	\$12,141	\$1,884	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	CE	1	H	4.1	\$35,802	\$1,886	\$3,216	\$493	\$498
Heifers	Heifers	Liquid/Solid	Medium 2	CE	1	L	4.1	\$16,216	\$1,509	\$1,976	\$470	\$498
Heifers	Heifers	Liquid/Solid	Medium 2	CE	1	M	8.3	\$27,144	\$1,697	\$2,649	\$481	\$498
Heifers	Heifers	Liquid/Solid	Medium 2	CE	2	H	0.9	\$35,802	\$1,905	\$3,553	\$493	\$331
Heifers	Heifers	Liquid/Solid	Medium 2	CE	2	L	0.9	\$16,216	\$1,524	\$2,312	\$470	\$331
Heifers	Heifers	Liquid/Solid	Medium 2	CE	2	M	1.9	\$27,144	\$1,715	\$2,985	\$482	\$331
Heifers	Heifers	Liquid/Solid	Medium 2	CE	3	H	0.4	\$8,954	\$1,045	\$4,106	\$399	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	CE	3	L	0.4	\$7,392	\$836	\$3,823	\$395	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	CE	3	M	0.8	\$8,350	\$941	\$3,970	\$397	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MA	1	H	0.0	\$46,080	\$1,906	\$4,093	\$1,340	\$532
Heifers	Heifers	Liquid/Solid	Medium 2	MA	1	L	0.0	\$21,234	\$1,497	\$2,340	\$1,316	\$532
Heifers	Heifers	Liquid/Solid	Medium 2	MA	1	M	0.0	\$34,357	\$1,817	\$3,379	\$1,335	\$532
Heifers	Heifers	Liquid/Solid	Medium 2	MA	2	H	0.0	\$55,483	\$1,915	\$6,674	\$1,342	\$337
Heifers	Heifers	Liquid/Solid	Medium 2	MA	2	L	0.0	\$24,267	\$1,504	\$4,388	\$1,317	\$337
Heifers	Heifers	Liquid/Solid	Medium 2	MA	2	M	0.0	\$40,953	\$1,825	\$5,725	\$1,337	\$337
Heifers	Heifers	Liquid/Solid	Medium 2	MA	3	H	0.0	\$13,447	\$1,045	\$40,783	\$1,246	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MA	3	L	0.0	\$10,710	\$821	\$40,448	\$1,241	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MA	3	M	0.0	\$11,464	\$996	\$40,680	\$1,245	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MW	1	H	4.0	\$47,154	\$1,852	\$3,339	\$737	\$457
Heifers	Heifers	Liquid/Solid	Medium 2	MW	1	L	4.0	\$22,407	\$1,482	\$2,121	\$717	\$457
Heifers	Heifers	Liquid/Solid	Medium 2	MW	1	M	8.1	\$35,552	\$1,667	\$2,754	\$727	\$457
Heifers	Heifers	Liquid/Solid	Medium 2	MW	2	H	0.6	\$58,271	\$1,887	\$3,633	\$748	\$291
Heifers	Heifers	Liquid/Solid	Medium 2	MW	2	L	0.6	\$26,673	\$1,509	\$2,369	\$726	\$291
Heifers	Heifers	Liquid/Solid	Medium 2	MW	2	M	1.2	\$43,334	\$1,698	\$3,025	\$737	\$291
Heifers	Heifers	Liquid/Solid	Medium 2	MW	3	H	0.3	\$10,312	\$1,045	\$4,005	\$658	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 2	MW	3	L	0.3	\$8,268	\$836	\$3,703	\$654	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	MW	3	M	0.7	\$9,762	\$941	\$3,867	\$656	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	PA	1	H	1.1	\$57,181	\$1,823	\$3,947	\$1,417	\$401
Heifers	Heifers	Liquid/Solid	Medium 2	PA	1	L	1.1	\$29,363	\$1,458	\$2,501	\$1,398	\$401
Heifers	Heifers	Liquid/Solid	Medium 2	PA	1	M	2.3	\$43,795	\$1,641	\$3,237	\$1,407	\$401
Heifers	Heifers	Liquid/Solid	Medium 2	PA	2	H	0.4	\$66,837	\$1,816	\$6,483	\$1,411	\$268
Heifers	Heifers	Liquid/Solid	Medium 2	PA	2	L	0.4	\$33,226	\$1,453	\$4,863	\$1,394	\$268
Heifers	Heifers	Liquid/Solid	Medium 2	PA	2	M	0.7	\$50,554	\$1,635	\$5,686	\$1,402	\$268
Heifers	Heifers	Liquid/Solid	Medium 2	PA	3	H	0.1	\$14,093	\$1,045	\$20,430	\$1,344	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	PA	3	L	0.1	\$12,128	\$836	\$20,134	\$1,340	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	PA	3	M	0.2	\$13,633	\$941	\$20,295	\$1,342	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	SO	1	H	0.0	\$51,912	\$1,709	\$4,166	\$1,520	\$231
Heifers	Heifers	Liquid/Solid	Medium 2	SO	1	L	0.0	\$21,918	\$1,368	\$2,231	\$1,507	\$231
Heifers	Heifers	Liquid/Solid	Medium 2	SO	1	M	0.0	\$39,574	\$1,590	\$3,390	\$1,516	\$231
Heifers	Heifers	Liquid/Solid	Medium 2	SO	2	H	0.0	\$62,410	\$1,694	\$7,103	\$1,512	\$153
Heifers	Heifers	Liquid/Solid	Medium 2	SO	2	L	0.0	\$24,516	\$1,355	\$5,983	\$1,501	\$153
Heifers	Heifers	Liquid/Solid	Medium 2	SO	2	M	0.0	\$46,825	\$1,575	\$6,661	\$1,508	\$153
Heifers	Heifers	Liquid/Solid	Medium 2	SO	3	H	0.0	\$14,939	\$1,045	\$16,347	\$1,477	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	SO	3	L	0.0	\$12,770	\$836	\$16,033	\$1,473	\$0
Heifers	Heifers	Liquid/Solid	Medium 2	SO	3	M	0.0	\$14,035	\$972	\$16,235	\$1,476	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	CE	1	H	1.7	\$37,144	\$2,068	\$3,374	\$688	\$758
Heifers	Heifers	Liquid/Solid	Medium 3	CE	1	L	1.7	\$17,034	\$1,654	\$2,093	\$656	\$758
Heifers	Heifers	Liquid/Solid	Medium 3	CE	1	M	3.3	\$28,338	\$1,861	\$2,793	\$672	\$758
Heifers	Heifers	Liquid/Solid	Medium 3	CE	2	H	0.4	\$37,144	\$2,150	\$3,840	\$716	\$576
Heifers	Heifers	Liquid/Solid	Medium 3	CE	2	L	0.4	\$17,034	\$1,720	\$2,550	\$679	\$576
Heifers	Heifers	Liquid/Solid	Medium 3	CE	2	M	0.8	\$28,338	\$1,935	\$3,255	\$698	\$576

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 3	CE	3	H	0.2	\$10,296	\$1,045	\$5,621	\$550	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	CE	3	L	0.2	\$8,474	\$836	\$5,332	\$546	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	CE	3	M	0.3	\$9,544	\$941	\$5,482	\$548	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MA	1	H	0.0	\$63,759	\$2,068	\$4,912	\$1,880	\$767
Heifers	Heifers	Liquid/Solid	Medium 3	MA	1	L	0.0	\$27,987	\$1,624	\$2,702	\$1,845	\$767
Heifers	Heifers	Liquid/Solid	Medium 3	MA	1	M	0.0	\$47,089	\$1,970	\$3,999	\$1,872	\$767
Heifers	Heifers	Liquid/Solid	Medium 3	MA	2	H	0.0	\$59,970	\$2,162	\$7,422	\$1,897	\$571
Heifers	Heifers	Liquid/Solid	Medium 3	MA	2	L	0.0	\$26,765	\$1,697	\$4,500	\$1,858	\$571
Heifers	Heifers	Liquid/Solid	Medium 3	MA	2	M	0.0	\$44,431	\$2,060	\$6,197	\$1,888	\$571
Heifers	Heifers	Liquid/Solid	Medium 3	MA	3	H	0.0	\$15,866	\$1,045	\$58,709	\$1,736	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MA	3	L	0.0	\$12,541	\$821	\$58,357	\$1,732	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MA	3	M	0.0	\$13,491	\$996	\$58,596	\$1,735	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MW	1	H	1.8	\$49,359	\$1,974	\$3,927	\$1,032	\$639
Heifers	Heifers	Liquid/Solid	Medium 3	MW	1	L	1.8	\$23,464	\$1,579	\$2,386	\$1,004	\$639
Heifers	Heifers	Liquid/Solid	Medium 3	MW	1	M	2.9	\$37,466	\$1,777	\$3,198	\$1,018	\$639
Heifers	Heifers	Liquid/Solid	Medium 3	MW	2	H	0.3	\$60,906	\$2,106	\$4,793	\$1,058	\$478
Heifers	Heifers	Liquid/Solid	Medium 3	MW	2	L	0.3	\$27,741	\$1,685	\$2,886	\$1,025	\$478
Heifers	Heifers	Liquid/Solid	Medium 3	MW	2	M	0.4	\$45,549	\$1,895	\$3,889	\$1,042	\$478
Heifers	Heifers	Liquid/Solid	Medium 3	MW	3	H	0.2	\$12,130	\$1,045	\$5,014	\$913	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MW	3	L	0.2	\$9,676	\$836	\$4,698	\$909	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	MW	3	M	0.3	\$11,406	\$941	\$4,870	\$911	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	PA	1	H	0.5	\$60,564	\$1,933	\$5,570	\$1,978	\$560
Heifers	Heifers	Liquid/Solid	Medium 3	PA	1	L	0.5	\$31,869	\$1,547	\$3,237	\$1,953	\$560
Heifers	Heifers	Liquid/Solid	Medium 3	PA	1	M	0.9	\$46,843	\$1,740	\$4,419	\$1,965	\$560
Heifers	Heifers	Liquid/Solid	Medium 3	PA	2	H	0.2	\$70,683	\$1,979	\$6,789	\$1,994	\$429
Heifers	Heifers	Liquid/Solid	Medium 3	PA	2	L	0.2	\$35,917	\$1,583	\$4,469	\$1,966	\$429

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Heifers	Heifers	Liquid/Solid	Medium 3	PA	2	M	0.3	\$53,927	\$1,781	\$5,644	\$1,980	\$429
Heifers	Heifers	Liquid/Solid	Medium 3	PA	3	H	0.0	\$16,697	\$1,045	\$27,976	\$1,874	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	PA	3	L	0.0	\$14,323	\$836	\$27,667	\$1,870	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	PA	3	M	0.1	\$16,136	\$941	\$27,837	\$1,872	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	SO	1	H	0.0	\$73,409	\$1,790	\$3,784	\$2,126	\$343
Heifers	Heifers	Liquid/Solid	Medium 3	SO	1	L	0.0	\$28,909	\$1,432	\$2,242	\$2,109	\$343
Heifers	Heifers	Liquid/Solid	Medium 3	SO	1	M	0.0	\$55,118	\$1,665	\$3,171	\$2,120	\$343
Heifers	Heifers	Liquid/Solid	Medium 3	SO	2	H	0.0	\$67,170	\$1,790	\$6,392	\$2,127	\$255
Heifers	Heifers	Liquid/Solid	Medium 3	SO	2	L	0.0	\$27,365	\$1,432	\$4,498	\$2,110	\$255
Heifers	Heifers	Liquid/Solid	Medium 3	SO	2	M	0.0	\$50,809	\$1,665	\$5,634	\$2,121	\$255
Heifers	Heifers	Liquid/Solid	Medium 3	SO	3	H	0.0	\$17,885	\$1,045	\$24,516	\$2,060	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	SO	3	L	0.0	\$15,171	\$836	\$24,182	\$2,056	\$0
Heifers	Heifers	Liquid/Solid	Medium 3	SO	3	M	0.0	\$16,767	\$972	\$24,397	\$2,059	\$0
Veal	Flush	Liquid	Medium 1	CE	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	1	M	0.1	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500

**Table C-2b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Veal	Flush	Liquid	Medium 1	MA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	1	H	0.5	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	1	L	0.5	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	1	M	1.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 1	SO	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	1	M	0.1	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	1	H	0.2	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	1	L	0.2	\$0	\$1,930	\$1,514	\$120	\$500

**Table C-2b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Veal	Flush	Liquid	Medium 2	MW	1	M	0.5	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500

**Table C-2b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Veal	Flush	Liquid	Medium 3	CE	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	1	M	1.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	1	H	4.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	1	L	4.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	1	M	8.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 3	PA	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	1	H	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	1	L	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	1	M	0.0	\$0	\$1,930	\$1,514	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	2	H	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	2	L	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	2	M	0.0	\$0	\$1,545	\$1,290	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	H	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	L	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	M	0.0	\$0	\$1,045	\$1,210	\$20	\$500
Chicken	Liquid	LW	Large 1	SO	1	H	7.1	\$4,735	\$5,860	\$3,562	\$327	\$4,900
Chicken	Liquid	LW	Large 1	SO	1	L	7.1	\$30	\$0	\$896	\$261	\$0
Chicken	Liquid	LW	Large 1	SO	1	M	14.2	\$698	\$0	\$1,385	\$294	\$0
Chicken	Liquid	LW	Large 1	SO	2	H	43.0	\$76,973	\$2,256	\$8,663	\$87	\$1,296
Chicken	Liquid	LW	Large 1	SO	2	L	43.0	\$30	\$0	\$896	\$69	\$0
Chicken	Liquid	LW	Large 1	SO	2	M	85.9	\$75,427	\$0	\$6,436	\$78	\$0
Chicken	Liquid	LW	Large 1	SO	3	H	45.6	\$30,575	\$0	\$3,351	\$0	\$0
Chicken	Liquid	LW	Large 1	SO	3	L	45.6	\$30	\$0	\$896	\$0	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Liquid	LW	Large 1	SO	3	M	91.2	\$30,084	\$0	\$2,792	\$0	\$0
Chicken	Liquid	LW	Medium 3	SO	1	H	0.6	\$1,541	\$1,613	\$1,461	\$43	\$653
Chicken	Liquid	LW	Medium 3	SO	1	L	0.6	\$30	\$0	\$784	\$35	\$0
Chicken	Liquid	LW	Medium 3	SO	1	M	1.2	\$378	\$0	\$1,063	\$39	\$0
Chicken	Liquid	LW	Medium 3	SO	2	H	2.7	\$1,669	\$1,859	\$1,573	\$60	\$899
Chicken	Liquid	LW	Medium 3	SO	2	L	2.7	\$30	\$0	\$784	\$48	\$0
Chicken	Liquid	LW	Medium 3	SO	2	M	5.4	\$391	\$0	\$1,074	\$54	\$0
Chicken	Liquid	LW	Medium 3	SO	3	H	2.7	\$8,476	\$0	\$1,477	\$0	\$0
Chicken	Liquid	LW	Medium 3	SO	3	L	2.7	\$30	\$0	\$784	\$0	\$0
Chicken	Liquid	LW	Medium 3	SO	3	M	5.4	\$7,984	\$0	\$1,311	\$0	\$0
Chicken	Solid	BR	Large 1	MA	1	H	3.6	\$38,325	\$3,427	\$2,864	\$164	\$2,467
Chicken	Solid	BR	Large 1	MA	1	L	3.6	\$2,656	\$1,885	\$2,537	\$131	\$1,357
Chicken	Solid	BR	Large 1	MA	1	M	7.2	\$2,886	\$3,369	\$2,709	\$148	\$2,425
Chicken	Solid	BR	Large 1	MA	2	H	53.8	\$39,399	\$1,824	\$2,124	\$57	\$864
Chicken	Solid	BR	Large 1	MA	2	L	53.8	\$1,471	\$1,004	\$1,797	\$46	\$476
Chicken	Solid	BR	Large 1	MA	2	M	107.5	\$1,700	\$1,793	\$1,969	\$52	\$849
Chicken	Solid	BR	Large 1	MA	3	H	26.7	\$43,132	\$0	\$1,720	\$0	\$0
Chicken	Solid	BR	Large 1	MA	3	L	26.7	\$589	\$0	\$1,404	\$0	\$0
Chicken	Solid	BR	Large 1	MA	3	M	53.4	\$602	\$0	\$1,562	\$0	\$0
Chicken	Solid	BR	Large 1	SO	1	H	2.8	\$92,823	\$5,225	\$3,694	\$284	\$4,265
Chicken	Solid	BR	Large 1	SO	1	L	2.8	\$3,761	\$522	\$3,259	\$228	\$426
Chicken	Solid	BR	Large 1	SO	1	M	5.5	\$43,214	\$5,162	\$3,538	\$256	\$4,213
Chicken	Solid	BR	Large 1	SO	2	H	126.0	\$97,203	\$1,604	\$2,023	\$43	\$644
Chicken	Solid	BR	Large 1	SO	2	L	126.0	\$1,041	\$161	\$1,588	\$34	\$65
Chicken	Solid	BR	Large 1	SO	2	M	251.9	\$43,631	\$1,585	\$1,867	\$39	\$637
Chicken	Solid	BR	Large 1	SO	3	H	45.7	\$94,105	\$0	\$1,685	\$0	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	BR	Large 1	SO	3	L	45.7	\$55	\$0	\$1,250	\$0	\$0
Chicken	Solid	BR	Large 1	SO	3	M	91.4	\$41,712	\$0	\$1,529	\$0	\$0
Chicken	Solid	BR	Large 2	MA	1	H	2.1	\$79,892	\$5,996	\$4,450	\$336	\$5,036
Chicken	Solid	BR	Large 2	MA	1	L	2.1	\$4,931	\$3,298	\$4,044	\$268	\$2,770
Chicken	Solid	BR	Large 2	MA	1	M	4.2	\$5,161	\$5,894	\$4,255	\$302	\$4,950
Chicken	Solid	BR	Large 2	MA	2	H	31.1	\$95,475	\$2,447	\$3,102	\$99	\$1,487
Chicken	Solid	BR	Large 2	MA	2	L	31.1	\$2,421	\$1,345	\$2,639	\$79	\$817
Chicken	Solid	BR	Large 2	MA	2	M	62.2	\$2,650	\$2,405	\$2,878	\$89	\$1,461
Chicken	Solid	BR	Large 2	MA	3	H	15.4	\$109,980	\$0	\$2,548	\$0	\$0
Chicken	Solid	BR	Large 2	MA	3	L	15.4	\$1,168	\$0	\$2,069	\$0	\$0
Chicken	Solid	BR	Large 2	MA	3	M	30.9	\$1,181	\$0	\$2,308	\$0	\$0
Chicken	Solid	BR	Large 2	SO	1	H	1.6	\$179,230	\$8,919	\$5,785	\$530	\$7,959
Chicken	Solid	BR	Large 2	SO	1	L	1.6	\$6,567	\$892	\$5,269	\$425	\$796
Chicken	Solid	BR	Large 2	SO	1	M	3.2	\$82,948	\$8,812	\$5,591	\$477	\$7,863
Chicken	Solid	BR	Large 2	SO	2	H	72.8	\$224,355	\$2,028	\$2,823	\$71	\$1,068
Chicken	Solid	BR	Large 2	SO	2	L	72.8	\$1,404	\$203	\$2,260	\$57	\$107
Chicken	Solid	BR	Large 2	SO	2	M	145.7	\$99,997	\$2,004	\$2,607	\$64	\$1,055
Chicken	Solid	BR	Large 2	SO	3	H	26.4	\$231,930	\$0	\$2,326	\$0	\$0
Chicken	Solid	BR	Large 2	SO	3	L	26.4	\$104	\$0	\$1,756	\$0	\$0
Chicken	Solid	BR	Large 2	SO	3	M	52.9	\$102,618	\$0	\$2,106	\$0	\$0
Chicken	Solid	BR	Medium 1	MA	1	H	1.1	\$12,806	\$1,912	\$1,680	\$63	\$952
Chicken	Solid	BR	Medium 1	MA	1	L	1.1	\$1,200	\$669	\$1,441	\$51	\$333
Chicken	Solid	BR	Medium 1	MA	1	M	2.1	\$1,541	\$1,898	\$1,573	\$57	\$945
Chicken	Solid	BR	Medium 1	MA	2	H	5.4	\$12,462	\$1,409	\$1,448	\$30	\$449
Chicken	Solid	BR	Medium 1	MA	2	L	5.4	\$822	\$494	\$1,209	\$24	\$158
Chicken	Solid	BR	Medium 1	MA	2	M	10.8	\$1,163	\$1,399	\$1,341	\$27	\$446

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	BR	Medium 1	MA	3	H	5.5	\$11,555	\$0	\$1,201	\$0	\$0
Chicken	Solid	BR	Medium 1	MA	3	L	5.5	\$309	\$0	\$988	\$0	\$0
Chicken	Solid	BR	Medium 1	MA	3	M	11.1	\$328	\$0	\$1,094	\$0	\$0
Chicken	Solid	BR	Medium 1	SO	1	H	1.7	\$29,604	\$2,482	\$1,944	\$101	\$1,522
Chicken	Solid	BR	Medium 1	SO	1	L	1.7	\$1,693	\$372	\$1,616	\$81	\$228
Chicken	Solid	BR	Medium 1	SO	1	M	3.3	\$17,441	\$2,446	\$1,836	\$91	\$1,500
Chicken	Solid	BR	Medium 1	SO	2	H	13.9	\$29,026	\$1,314	\$1,404	\$24	\$354
Chicken	Solid	BR	Medium 1	SO	2	L	13.9	\$815	\$197	\$1,076	\$19	\$53
Chicken	Solid	BR	Medium 1	SO	2	M	27.8	\$16,731	\$1,294	\$1,296	\$21	\$349
Chicken	Solid	BR	Medium 1	SO	3	H	7.0	\$28,261	\$0	\$1,201	\$0	\$0
Chicken	Solid	BR	Medium 1	SO	3	L	7.0	\$49	\$0	\$872	\$0	\$0
Chicken	Solid	BR	Medium 1	SO	3	M	14.0	\$15,965	\$0	\$1,092	\$0	\$0
Chicken	Solid	BR	Medium 2	MA	1	H	1.0	\$17,653	\$2,231	\$1,913	\$85	\$1,271
Chicken	Solid	BR	Medium 2	MA	1	L	1.0	\$1,479	\$781	\$1,657	\$68	\$445
Chicken	Solid	BR	Medium 2	MA	1	M	2.1	\$1,820	\$2,215	\$1,798	\$76	\$1,261
Chicken	Solid	BR	Medium 2	MA	2	H	8.9	\$17,786	\$1,512	\$1,582	\$37	\$552
Chicken	Solid	BR	Medium 2	MA	2	L	8.9	\$945	\$530	\$1,326	\$30	\$194
Chicken	Solid	BR	Medium 2	MA	2	M	17.8	\$1,286	\$1,501	\$1,466	\$33	\$548
Chicken	Solid	BR	Medium 2	MA	3	H	6.2	\$16,292	\$0	\$1,287	\$0	\$0
Chicken	Solid	BR	Medium 2	MA	3	L	6.2	\$350	\$0	\$1,057	\$0	\$0
Chicken	Solid	BR	Medium 2	MA	3	M	12.3	\$369	\$0	\$1,172	\$0	\$0
Chicken	Solid	BR	Medium 2	SO	1	H	1.2	\$41,055	\$2,920	\$2,232	\$131	\$1,960
Chicken	Solid	BR	Medium 2	SO	1	L	1.2	\$2,028	\$438	\$1,886	\$104	\$294
Chicken	Solid	BR	Medium 2	SO	1	M	2.3	\$24,015	\$2,876	\$2,115	\$118	\$1,930
Chicken	Solid	BR	Medium 2	SO	2	H	23.1	\$42,041	\$1,368	\$1,515	\$27	\$408
Chicken	Solid	BR	Medium 2	SO	2	L	23.1	\$863	\$205	\$1,169	\$22	\$61

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	BR	Medium 2	SO	2	M	46.2	\$24,057	\$1,348	\$1,398	\$24	\$402
Chicken	Solid	BR	Medium 2	SO	3	H	8.9	\$41,158	\$0	\$1,287	\$0	\$0
Chicken	Solid	BR	Medium 2	SO	3	L	8.9	\$56	\$0	\$941	\$0	\$0
Chicken	Solid	BR	Medium 2	SO	3	M	17.8	\$23,207	\$0	\$1,170	\$0	\$0
Chicken	Solid	BR	Medium 3	MA	1	H	1.0	\$26,689	\$2,897	\$2,307	\$129	\$1,937
Chicken	Solid	BR	Medium 3	MA	1	L	1.0	\$2,054	\$1,014	\$2,034	\$103	\$678
Chicken	Solid	BR	Medium 3	MA	1	M	2.0	\$2,395	\$2,877	\$2,184	\$116	\$1,924
Chicken	Solid	BR	Medium 3	MA	2	H	8.9	\$26,849	\$1,732	\$1,769	\$51	\$772
Chicken	Solid	BR	Medium 3	MA	2	L	8.9	\$1,187	\$606	\$1,496	\$41	\$270
Chicken	Solid	BR	Medium 3	MA	2	M	17.7	\$1,528	\$1,720	\$1,646	\$46	\$766
Chicken	Solid	BR	Medium 3	MA	3	H	6.2	\$24,917	\$0	\$1,373	\$0	\$0
Chicken	Solid	BR	Medium 3	MA	3	L	6.2	\$425	\$0	\$1,126	\$0	\$0
Chicken	Solid	BR	Medium 3	MA	3	M	12.3	\$444	\$0	\$1,250	\$0	\$0
Chicken	Solid	BR	Medium 3	SO	1	H	1.0	\$62,714	\$4,011	\$2,822	\$203	\$3,051
Chicken	Solid	BR	Medium 3	SO	1	L	1.0	\$2,859	\$602	\$2,457	\$162	\$458
Chicken	Solid	BR	Medium 3	SO	1	M	2.1	\$36,535	\$3,950	\$2,696	\$183	\$3,005
Chicken	Solid	BR	Medium 3	SO	2	H	21.1	\$64,173	\$1,528	\$1,676	\$38	\$568
Chicken	Solid	BR	Medium 3	SO	2	L	21.1	\$995	\$229	\$1,311	\$30	\$85
Chicken	Solid	BR	Medium 3	SO	2	M	42.3	\$36,536	\$1,506	\$1,550	\$34	\$560
Chicken	Solid	BR	Medium 3	SO	3	H	7.9	\$63,173	\$0	\$1,373	\$0	\$0
Chicken	Solid	BR	Medium 3	SO	3	L	7.9	\$67	\$0	\$1,009	\$0	\$0
Chicken	Solid	BR	Medium 3	SO	3	M	15.9	\$35,568	\$0	\$1,248	\$0	\$0
Chicken	Solid	LA	Large 1	MW	1	H	7.5	\$56,177	\$11,460	\$5,873	\$700	\$10,500
Chicken	Solid	LA	Large 1	MW	1	L	7.5	\$8,191	\$0	\$1,644	\$560	\$0
Chicken	Solid	LA	Large 1	MW	1	M	15.0	\$32,960	\$1,284	\$2,024	\$630	\$1,176
Chicken	Solid	LA	Large 1	MW	2	H	45.7	\$50,432	\$1,272	\$2,669	\$21	\$312

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Large 1	MW	2	L	45.7	\$8,191	\$0	\$1,644	\$17	\$0
Chicken	Solid	LA	Large 1	MW	2	M	91.4	\$32,906	\$142	\$2,221	\$19	\$35
Chicken	Solid	LA	Large 1	MW	3	H	48.5	\$49,756	\$0	\$2,511	\$0	\$0
Chicken	Solid	LA	Large 1	MW	3	L	48.5	\$8,191	\$0	\$1,644	\$0	\$0
Chicken	Solid	LA	Large 1	MW	3	M	97.0	\$32,772	\$0	\$2,202	\$0	\$0
Chicken	Solid	LA	Large 1	SO	1	H	3.3	\$75,947	\$13,083	\$7,838	\$808	\$12,123
Chicken	Solid	LA	Large 1	SO	1	L	3.3	\$16,382	\$0	\$1,644	\$647	\$0
Chicken	Solid	LA	Large 1	SO	1	M	6.7	\$50,385	\$0	\$2,561	\$727	\$0
Chicken	Solid	LA	Large 1	SO	2	H	27.5	\$67,066	\$1,272	\$2,899	\$21	\$312
Chicken	Solid	LA	Large 1	SO	2	L	27.5	\$16,382	\$0	\$1,644	\$17	\$0
Chicken	Solid	LA	Large 1	SO	2	M	54.9	\$49,497	\$0	\$2,379	\$19	\$0
Chicken	Solid	LA	Large 1	SO	3	H	28.1	\$66,332	\$0	\$3,348	\$0	\$0
Chicken	Solid	LA	Large 1	SO	3	L	28.1	\$16,382	\$0	\$1,644	\$0	\$0
Chicken	Solid	LA	Large 1	SO	3	M	56.1	\$49,224	\$0	\$2,792	\$0	\$0
Chicken	Solid	LA	Large 2	MW	1	H	1.1	\$163,914	\$31,844	\$14,903	\$2,059	\$30,884
Chicken	Solid	LA	Large 2	MW	1	L	1.1	\$24,092	\$0	\$3,208	\$1,647	\$0
Chicken	Solid	LA	Large 2	MW	1	M	2.3	\$96,679	\$3,567	\$3,849	\$1,853	\$3,459
Chicken	Solid	LA	Large 2	MW	2	H	7.0	\$146,725	\$1,362	\$4,766	\$27	\$402
Chicken	Solid	LA	Large 2	MW	2	L	7.0	\$24,092	\$0	\$3,208	\$21	\$0
Chicken	Solid	LA	Large 2	MW	2	M	13.9	\$96,519	\$153	\$4,047	\$24	\$45
Chicken	Solid	LA	Large 2	MW	3	H	7.4	\$145,999	\$0	\$5,095	\$0	\$0
Chicken	Solid	LA	Large 2	MW	3	L	7.4	\$24,092	\$0	\$3,208	\$0	\$0
Chicken	Solid	LA	Large 2	MW	3	M	14.8	\$96,385	\$0	\$4,393	\$0	\$0
Chicken	Solid	LA	Large 2	SO	1	H	0.3	\$221,963	\$36,616	\$20,680	\$2,377	\$35,656
Chicken	Solid	LA	Large 2	SO	1	L	0.3	\$48,185	\$0	\$3,208	\$1,902	\$0
Chicken	Solid	LA	Large 2	SO	1	M	0.7	\$147,674	\$0	\$5,409	\$2,139	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Large 2	SO	2	H	2.9	\$195,457	\$1,362	\$5,067	\$27	\$402
Chicken	Solid	LA	Large 2	SO	2	L	2.9	\$48,185	\$0	\$3,208	\$21	\$0
Chicken	Solid	LA	Large 2	SO	2	M	5.7	\$145,023	\$0	\$4,250	\$24	\$0
Chicken	Solid	LA	Large 2	SO	3	H	2.9	\$194,655	\$0	\$7,554	\$0	\$0
Chicken	Solid	LA	Large 2	SO	3	L	2.9	\$48,185	\$0	\$3,208	\$0	\$0
Chicken	Solid	LA	Large 2	SO	3	M	5.9	\$144,743	\$0	\$6,127	\$0	\$0
Chicken	Solid	LA	Medium 1	MW	1	H	0.4	\$13,615	\$2,210	\$1,672	\$84	\$1,250
Chicken	Solid	LA	Medium 1	MW	1	L	0.4	\$2,029	\$0	\$852	\$67	\$0
Chicken	Solid	LA	Medium 1	MW	1	M	0.7	\$8,260	\$247	\$1,103	\$75	\$140
Chicken	Solid	LA	Medium 1	MW	2	H	1.1	\$13,229	\$1,526	\$1,577	\$38	\$566
Chicken	Solid	LA	Medium 1	MW	2	L	1.1	\$2,029	\$0	\$852	\$30	\$0
Chicken	Solid	LA	Medium 1	MW	2	M	2.2	\$8,257	\$171	\$1,201	\$34	\$63
Chicken	Solid	LA	Medium 1	MW	3	H	0.6	\$12,410	\$0	\$1,238	\$0	\$0
Chicken	Solid	LA	Medium 1	MW	3	L	0.6	\$2,029	\$0	\$852	\$0	\$0
Chicken	Solid	LA	Medium 1	MW	3	M	1.2	\$8,122	\$0	\$1,116	\$0	\$0
Chicken	Solid	LA	Medium 1	SO	1	H	0.3	\$18,103	\$2,379	\$1,896	\$95	\$1,419
Chicken	Solid	LA	Medium 1	SO	1	L	0.3	\$4,059	\$0	\$852	\$76	\$0
Chicken	Solid	LA	Medium 1	SO	1	M	0.5	\$12,560	\$0	\$1,175	\$85	\$0
Chicken	Solid	LA	Medium 1	SO	2	H	1.2	\$17,462	\$1,526	\$1,724	\$38	\$566
Chicken	Solid	LA	Medium 1	SO	2	L	1.2	\$4,059	\$0	\$852	\$30	\$0
Chicken	Solid	LA	Medium 1	SO	2	M	2.4	\$12,496	\$0	\$1,293	\$34	\$0
Chicken	Solid	LA	Medium 1	SO	3	H	0.6	\$16,536	\$0	\$1,342	\$0	\$0
Chicken	Solid	LA	Medium 1	SO	3	L	0.6	\$4,059	\$0	\$852	\$0	\$0
Chicken	Solid	LA	Medium 1	SO	3	M	1.2	\$12,204	\$0	\$1,189	\$0	\$0
Chicken	Solid	LA	Medium 2	MW	1	H	0.1	\$22,868	\$3,187	\$2,096	\$149	\$2,227
Chicken	Solid	LA	Medium 2	MW	1	L	0.1	\$3,474	\$0	\$920	\$119	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Medium 2	MW	1	M	0.3	\$14,043	\$357	\$1,183	\$134	\$249
Chicken	Solid	LA	Medium 2	MW	2	H	0.5	\$22,203	\$2,008	\$1,914	\$70	\$1,048
Chicken	Solid	LA	Medium 2	MW	2	L	0.5	\$3,474	\$0	\$920	\$56	\$0
Chicken	Solid	LA	Medium 2	MW	2	M	1.0	\$14,037	\$225	\$1,339	\$63	\$117
Chicken	Solid	LA	Medium 2	MW	3	H	0.4	\$21,113	\$0	\$1,352	\$0	\$0
Chicken	Solid	LA	Medium 2	MW	3	L	0.4	\$3,474	\$0	\$920	\$0	\$0
Chicken	Solid	LA	Medium 2	MW	3	M	0.9	\$13,899	\$0	\$1,212	\$0	\$0
Chicken	Solid	LA	Medium 2	SO	1	H	0.1	\$30,573	\$3,530	\$2,513	\$172	\$2,570
Chicken	Solid	LA	Medium 2	SO	1	L	0.1	\$6,947	\$0	\$920	\$137	\$0
Chicken	Solid	LA	Medium 2	SO	1	M	0.2	\$21,317	\$0	\$1,305	\$154	\$0
Chicken	Solid	LA	Medium 2	SO	2	H	0.5	\$29,428	\$2,008	\$2,171	\$70	\$1,048
Chicken	Solid	LA	Medium 2	SO	2	L	0.5	\$6,947	\$0	\$920	\$56	\$0
Chicken	Solid	LA	Medium 2	SO	2	M	0.9	\$21,202	\$0	\$1,489	\$63	\$0
Chicken	Solid	LA	Medium 2	SO	3	H	0.4	\$28,140	\$0	\$1,530	\$0	\$0
Chicken	Solid	LA	Medium 2	SO	3	L	0.4	\$6,947	\$0	\$920	\$0	\$0
Chicken	Solid	LA	Medium 2	SO	3	M	0.8	\$20,873	\$0	\$1,338	\$0	\$0
Chicken	Solid	LA	Medium 3	MW	1	H	0.0	\$28,911	\$3,793	\$2,391	\$189	\$2,833
Chicken	Solid	LA	Medium 3	MW	1	L	0.0	\$4,419	\$0	\$988	\$151	\$0
Chicken	Solid	LA	Medium 3	MW	1	M	0.0	\$17,830	\$425	\$1,261	\$170	\$318
Chicken	Solid	LA	Medium 3	MW	2	H	0.1	\$29,087	\$4,106	\$2,557	\$210	\$3,146
Chicken	Solid	LA	Medium 3	MW	2	L	0.1	\$4,419	\$0	\$988	\$168	\$0
Chicken	Solid	LA	Medium 3	MW	2	M	0.2	\$17,832	\$460	\$1,303	\$189	\$352
Chicken	Solid	LA	Medium 3	MW	3	H	0.1	\$26,813	\$0	\$1,455	\$0	\$0
Chicken	Solid	LA	Medium 3	MW	3	L	0.1	\$4,419	\$0	\$988	\$0	\$0
Chicken	Solid	LA	Medium 3	MW	3	M	0.2	\$17,683	\$0	\$1,302	\$0	\$0
Chicken	Solid	LA	Medium 3	SO	1	H	0.0	\$38,700	\$4,230	\$2,922	\$218	\$3,270

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Medium 3	SO	1	L	0.0	\$8,839	\$0	\$988	\$175	\$0
Chicken	Solid	LA	Medium 3	SO	1	M	0.0	\$27,049	\$0	\$1,413	\$196	\$0
Chicken	Solid	LA	Medium 3	SO	2	H	0.1	\$38,821	\$4,392	\$3,080	\$229	\$3,432
Chicken	Solid	LA	Medium 3	SO	2	L	0.1	\$8,839	\$0	\$988	\$183	\$0
Chicken	Solid	LA	Medium 3	SO	2	M	0.1	\$27,061	\$0	\$1,480	\$206	\$0
Chicken	Solid	LA	Medium 3	SO	3	H	0.1	\$35,741	\$0	\$1,682	\$0	\$0
Chicken	Solid	LA	Medium 3	SO	3	L	0.1	\$8,839	\$0	\$988	\$0	\$0
Chicken	Solid	LA	Medium 3	SO	3	M	0.1	\$26,552	\$0	\$1,460	\$0	\$0
Swine	Evapor	FF	Large 1	CE	1	H	4.3	\$1,396	\$1,723	\$1,283	\$51	\$763
Swine	Evapor	FF	Large 1	CE	1	L	4.3	\$0	\$0	\$896	\$40	\$0
Swine	Evapor	FF	Large 1	CE	1	M	8.6	\$454	\$968	\$1,146	\$46	\$429
Swine	Evapor	FF	Large 1	CE	2	H	9.7	\$1,535	\$1,880	\$1,288	\$61	\$920
Swine	Evapor	FF	Large 1	CE	2	L	9.7	\$0	\$0	\$896	\$49	\$0
Swine	Evapor	FF	Large 1	CE	2	M	19.5	\$521	\$1,057	\$1,147	\$55	\$517
Swine	Evapor	FF	Large 1	CE	3	H	5.5	\$1,191	\$0	\$1,273	\$0	\$0
Swine	Evapor	FF	Large 1	CE	3	L	5.5	\$0	\$0	\$896	\$0	\$0
Swine	Evapor	FF	Large 1	CE	3	M	11.1	\$582	\$0	\$1,149	\$0	\$0
Swine	Evapor	FF	Large 2	CE	1	H	3.1	\$1,886	\$2,833	\$1,312	\$125	\$1,873
Swine	Evapor	FF	Large 2	CE	1	L	3.1	\$0	\$0	\$896	\$100	\$0
Swine	Evapor	FF	Large 2	CE	1	M	6.2	\$682	\$1,593	\$1,151	\$112	\$1,053
Swine	Evapor	FF	Large 2	CE	2	H	7.0	\$2,246	\$3,716	\$1,335	\$184	\$2,756
Swine	Evapor	FF	Large 2	CE	2	L	7.0	\$0	\$0	\$896	\$147	\$0
Swine	Evapor	FF	Large 2	CE	2	M	14.0	\$849	\$2,088	\$1,154	\$165	\$1,549
Swine	Evapor	FF	Large 2	CE	3	H	4.0	\$2,970	\$0	\$1,308	\$0	\$0
Swine	Evapor	FF	Large 2	CE	3	L	4.0	\$0	\$0	\$896	\$0	\$0
Swine	Evapor	FF	Large 2	CE	3	M	7.9	\$1,471	\$0	\$1,167	\$0	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Evapor	GF	Large 1	CE	1	H	4.4	\$1,396	\$1,723	\$1,283	\$51	\$763
Swine	Evapor	GF	Large 1	CE	1	L	4.4	\$0	\$0	\$896	\$40	\$0
Swine	Evapor	GF	Large 1	CE	1	M	8.9	\$454	\$968	\$1,146	\$46	\$429
Swine	Evapor	GF	Large 1	CE	2	H	10.0	\$1,535	\$1,880	\$1,288	\$61	\$920
Swine	Evapor	GF	Large 1	CE	2	L	10.0	\$0	\$0	\$896	\$49	\$0
Swine	Evapor	GF	Large 1	CE	2	M	20.0	\$521	\$1,057	\$1,147	\$55	\$517
Swine	Evapor	GF	Large 1	CE	3	H	5.7	\$1,191	\$0	\$1,273	\$0	\$0
Swine	Evapor	GF	Large 1	CE	3	L	5.7	\$0	\$0	\$896	\$0	\$0
Swine	Evapor	GF	Large 1	CE	3	M	11.3	\$582	\$0	\$1,149	\$0	\$0
Swine	Evapor	GF	Large 2	CE	1	H	3.2	\$1,886	\$2,833	\$1,312	\$125	\$1,873
Swine	Evapor	GF	Large 2	CE	1	L	3.2	\$0	\$0	\$896	\$100	\$0
Swine	Evapor	GF	Large 2	CE	1	M	6.3	\$682	\$1,593	\$1,151	\$112	\$1,053
Swine	Evapor	GF	Large 2	CE	2	H	7.2	\$2,246	\$3,716	\$1,335	\$184	\$2,756
Swine	Evapor	GF	Large 2	CE	2	L	7.2	\$0	\$0	\$896	\$147	\$0
Swine	Evapor	GF	Large 2	CE	2	M	14.3	\$849	\$2,088	\$1,154	\$165	\$1,549
Swine	Evapor	GF	Large 2	CE	3	H	4.1	\$2,970	\$0	\$1,308	\$0	\$0
Swine	Evapor	GF	Large 2	CE	3	L	4.1	\$0	\$0	\$896	\$0	\$0
Swine	Evapor	GF	Large 2	CE	3	M	8.1	\$1,471	\$0	\$1,167	\$0	\$0
Swine	Liquid	FF	Large 1	MA	1	H	7.8	\$1,337	\$2,052	\$1,287	\$73	\$1,092
Swine	Liquid	FF	Large 1	MA	1	L	7.8	\$0	\$0	\$896	\$58	\$0
Swine	Liquid	FF	Large 1	MA	1	M	15.6	\$420	\$229	\$1,146	\$66	\$122
Swine	Liquid	FF	Large 1	MA	2	H	45.6	\$8,259	\$1,650	\$1,417	\$46	\$5,240
Swine	Liquid	FF	Large 1	MA	2	L	45.6	\$8,353	\$0	\$1,062	\$37	\$4,507
Swine	Liquid	FF	Large 1	MA	2	M	91.2	\$7,339	\$185	\$1,282	\$42	\$4,584
Swine	Liquid	FF	Large 1	MA	3	H	13.3	\$1,002	\$0	\$1,269	\$0	\$5,098
Swine	Liquid	FF	Large 1	MA	3	L	13.3	\$0	\$0	\$896	\$0	\$5,098

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Large 1	MA	3	M	26.7	\$487	\$0	\$1,148	\$0	\$5,098
Swine	Liquid	FF	Large 1	MW	1	H	26.9	\$1,320	\$2,019	\$1,286	\$71	\$1,059
Swine	Liquid	FF	Large 1	MW	1	L	26.9	\$0	\$0	\$896	\$57	\$0
Swine	Liquid	FF	Large 1	MW	1	M	53.8	\$411	\$1,135	\$1,145	\$64	\$595
Swine	Liquid	FF	Large 1	MW	2	H	26.8	\$6,732	\$2,166	\$1,396	\$80	\$3,231
Swine	Liquid	FF	Large 1	MW	2	L	26.8	\$6,689	\$0	\$1,028	\$64	\$2,024
Swine	Liquid	FF	Large 1	MW	2	M	53.7	\$5,854	\$1,217	\$1,253	\$73	\$2,703
Swine	Liquid	FF	Large 1	MW	3	H	22.5	\$1,009	\$0	\$1,269	\$0	\$5,140
Swine	Liquid	FF	Large 1	MW	3	L	22.5	\$0	\$0	\$896	\$0	\$5,140
Swine	Liquid	FF	Large 1	MW	3	M	45.0	\$491	\$0	\$1,148	\$0	\$5,140
Swine	Liquid	FF	Large 2	MA	1	H	5.6	\$1,849	\$3,864	\$1,329	\$194	\$2,904
Swine	Liquid	FF	Large 2	MA	1	L	5.6	\$0	\$0	\$896	\$155	\$0
Swine	Liquid	FF	Large 2	MA	1	M	11.2	\$648	\$433	\$1,150	\$175	\$325
Swine	Liquid	FF	Large 2	MA	2	H	32.7	\$17,105	\$3,026	\$1,617	\$138	\$15,688
Swine	Liquid	FF	Large 2	MA	2	L	32.7	\$17,583	\$0	\$1,244	\$110	\$13,491
Swine	Liquid	FF	Large 2	MA	2	M	65.4	\$15,892	\$339	\$1,452	\$124	\$13,723
Swine	Liquid	FF	Large 2	MA	3	H	9.6	\$1,722	\$0	\$1,283	\$0	\$17,212
Swine	Liquid	FF	Large 2	MA	3	L	9.6	\$0	\$0	\$896	\$0	\$17,212
Swine	Liquid	FF	Large 2	MA	3	M	19.1	\$847	\$0	\$1,155	\$0	\$17,212
Swine	Liquid	FF	Large 2	MW	1	H	19.3	\$1,674	\$3,161	\$1,313	\$147	\$2,201
Swine	Liquid	FF	Large 2	MW	1	L	19.3	\$0	\$0	\$896	\$118	\$0
Swine	Liquid	FF	Large 2	MW	1	M	38.6	\$571	\$1,777	\$1,149	\$132	\$1,237
Swine	Liquid	FF	Large 2	MW	2	H	19.2	\$14,190	\$4,752	\$1,590	\$253	\$10,458
Swine	Liquid	FF	Large 2	MW	2	L	19.2	\$14,496	\$0	\$1,183	\$203	\$6,666
Swine	Liquid	FF	Large 2	MW	2	M	38.5	\$13,001	\$2,671	\$1,395	\$227	\$8,797
Swine	Liquid	FF	Large 2	MW	3	H	16.1	\$1,817	\$0	\$1,285	\$0	\$19,177

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Large 2	MW	3	L	16.1	\$0	\$0	\$896	\$0	\$19,177
Swine	Liquid	FF	Large 2	MW	3	M	32.3	\$895	\$0	\$1,156	\$0	\$19,177
Swine	Liquid	FF	Medium 1	MA	1	H	5.5	\$1,553	\$1,623	\$1,466	\$45	\$663
Swine	Liquid	FF	Medium 1	MA	1	L	5.5	\$1,599	\$81	\$1,271	\$35	\$33
Swine	Liquid	FF	Medium 1	MA	1	M	10.9	\$1,553	\$1,586	\$1,368	\$40	\$648
Swine	Liquid	FF	Medium 1	MA	2	H	3.5	\$4,330	\$1,557	\$1,492	\$40	\$1,235
Swine	Liquid	FF	Medium 1	MA	2	L	3.5	\$4,971	\$77	\$1,309	\$32	\$667
Swine	Liquid	FF	Medium 1	MA	2	M	7.0	\$4,330	\$1,522	\$1,394	\$36	\$1,221
Swine	Liquid	FF	Medium 1	MA	3	H	2.1	\$573	\$0	\$1,120	\$0	\$1,097
Swine	Liquid	FF	Medium 1	MA	3	L	2.1	\$620	\$0	\$925	\$0	\$1,097
Swine	Liquid	FF	Medium 1	MA	3	M	4.2	\$573	\$0	\$1,022	\$0	\$1,097
Swine	Liquid	FF	Medium 1	MW	1	H	41.1	\$1,403	\$1,430	\$1,376	\$31	\$470
Swine	Liquid	FF	Medium 1	MW	1	L	41.1	\$1,449	\$858	\$1,181	\$25	\$282
Swine	Liquid	FF	Medium 1	MW	1	M	82.2	\$1,403	\$1,410	\$1,278	\$28	\$463
Swine	Liquid	FF	Medium 1	MW	2	H	7.4	\$4,261	\$1,585	\$1,503	\$42	\$1,135
Swine	Liquid	FF	Medium 1	MW	2	L	7.4	\$4,882	\$951	\$1,319	\$34	\$885
Swine	Liquid	FF	Medium 1	MW	2	M	14.7	\$4,261	\$1,563	\$1,405	\$37	\$1,126
Swine	Liquid	FF	Medium 1	MW	3	H	6.8	\$573	\$0	\$1,120	\$0	\$1,115
Swine	Liquid	FF	Medium 1	MW	3	L	6.8	\$620	\$0	\$925	\$0	\$1,115
Swine	Liquid	FF	Medium 1	MW	3	M	13.6	\$573	\$0	\$1,022	\$0	\$1,115
Swine	Liquid	FF	Medium 2	MA	1	H	2.2	\$1,817	\$1,852	\$1,573	\$59	\$892
Swine	Liquid	FF	Medium 2	MA	1	L	2.2	\$1,863	\$93	\$1,378	\$47	\$45
Swine	Liquid	FF	Medium 2	MA	1	M	4.4	\$1,817	\$1,809	\$1,475	\$53	\$872
Swine	Liquid	FF	Medium 2	MA	2	H	3.9	\$5,127	\$1,466	\$1,466	\$34	\$1,893
Swine	Liquid	FF	Medium 2	MA	2	L	3.9	\$5,955	\$73	\$1,287	\$27	\$1,413
Swine	Liquid	FF	Medium 2	MA	2	M	7.8	\$5,127	\$1,432	\$1,368	\$31	\$1,881

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Medium 2	MA	3	H	1.7	\$666	\$0	\$1,122	\$0	\$1,667
Swine	Liquid	FF	Medium 2	MA	3	L	1.7	\$713	\$0	\$927	\$0	\$1,667
Swine	Liquid	FF	Medium 2	MA	3	M	3.5	\$666	\$0	\$1,024	\$0	\$1,667
Swine	Liquid	FF	Medium 2	MW	1	H	15.1	\$1,646	\$1,632	\$1,472	\$45	\$672
Swine	Liquid	FF	Medium 2	MW	1	L	15.1	\$1,692	\$979	\$1,277	\$36	\$403
Swine	Liquid	FF	Medium 2	MW	1	M	30.3	\$1,646	\$1,609	\$1,374	\$40	\$663
Swine	Liquid	FF	Medium 2	MW	2	H	5.5	\$5,260	\$1,832	\$1,633	\$58	\$1,953
Swine	Liquid	FF	Medium 2	MW	2	L	5.5	\$6,064	\$1,099	\$1,453	\$46	\$1,604
Swine	Liquid	FF	Medium 2	MW	2	M	11.1	\$5,260	\$1,806	\$1,535	\$53	\$1,940
Swine	Liquid	FF	Medium 2	MW	3	H	3.7	\$674	\$0	\$1,122	\$0	\$1,741
Swine	Liquid	FF	Medium 2	MW	3	L	3.7	\$721	\$0	\$927	\$0	\$1,741
Swine	Liquid	FF	Medium 2	MW	3	M	7.3	\$674	\$0	\$1,024	\$0	\$1,741
Swine	Liquid	FF	Medium 3	MA	1	H	1.1	\$2,173	\$2,210	\$1,740	\$83	\$1,250
Swine	Liquid	FF	Medium 3	MA	1	L	1.1	\$2,219	\$111	\$1,545	\$67	\$63
Swine	Liquid	FF	Medium 3	MA	1	M	2.1	\$2,173	\$2,159	\$1,642	\$75	\$1,221
Swine	Liquid	FF	Medium 3	MA	2	H	1.9	\$6,105	\$1,663	\$1,574	\$47	\$2,629
Swine	Liquid	FF	Medium 3	MA	2	L	1.9	\$7,129	\$84	\$1,398	\$37	\$1,961
Swine	Liquid	FF	Medium 3	MA	2	M	3.8	\$6,105	\$1,625	\$1,476	\$42	\$2,613
Swine	Liquid	FF	Medium 3	MA	3	H	0.8	\$755	\$0	\$1,124	\$0	\$2,317
Swine	Liquid	FF	Medium 3	MA	3	L	0.8	\$803	\$0	\$929	\$0	\$2,317
Swine	Liquid	FF	Medium 3	MA	3	M	1.7	\$755	\$0	\$1,026	\$0	\$2,317
Swine	Liquid	FF	Medium 3	MW	1	H	7.4	\$1,958	\$1,925	\$1,609	\$65	\$965
Swine	Liquid	FF	Medium 3	MW	1	L	7.4	\$2,005	\$1,155	\$1,414	\$52	\$579
Swine	Liquid	FF	Medium 3	MW	1	M	14.7	\$1,958	\$1,899	\$1,511	\$58	\$952
Swine	Liquid	FF	Medium 3	MW	2	H	2.7	\$6,318	\$2,171	\$1,805	\$81	\$2,712
Swine	Liquid	FF	Medium 3	MW	2	L	2.7	\$7,302	\$1,302	\$1,628	\$64	\$2,227

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Medium 3	MW	2	M	5.4	\$6,318	\$2,140	\$1,707	\$73	\$2,695
Swine	Liquid	FF	Medium 3	MW	3	H	1.8	\$764	\$0	\$1,124	\$0	\$2,420
Swine	Liquid	FF	Medium 3	MW	3	L	1.8	\$812	\$0	\$929	\$0	\$2,420
Swine	Liquid	FF	Medium 3	MW	3	M	3.6	\$764	\$0	\$1,026	\$0	\$2,420
Swine	Liquid	GF	Large 1	MA	1	H	6.6	\$1,337	\$2,052	\$1,287	\$73	\$1,092
Swine	Liquid	GF	Large 1	MA	1	L	6.6	\$0	\$0	\$896	\$58	\$0
Swine	Liquid	GF	Large 1	MA	1	M	13.1	\$420	\$229	\$1,146	\$66	\$122
Swine	Liquid	GF	Large 1	MA	2	H	38.4	\$8,259	\$1,650	\$1,417	\$46	\$5,240
Swine	Liquid	GF	Large 1	MA	2	L	38.4	\$8,353	\$0	\$1,062	\$37	\$4,507
Swine	Liquid	GF	Large 1	MA	2	M	76.7	\$7,339	\$185	\$1,282	\$42	\$4,584
Swine	Liquid	GF	Large 1	MA	3	H	11.2	\$1,002	\$0	\$1,269	\$0	\$5,098
Swine	Liquid	GF	Large 1	MA	3	L	11.2	\$0	\$0	\$896	\$0	\$5,098
Swine	Liquid	GF	Large 1	MA	3	M	22.5	\$487	\$0	\$1,148	\$0	\$5,098
Swine	Liquid	GF	Large 1	MW	1	H	18.5	\$1,320	\$2,019	\$1,286	\$71	\$1,059
Swine	Liquid	GF	Large 1	MW	1	L	18.5	\$0	\$0	\$896	\$57	\$0
Swine	Liquid	GF	Large 1	MW	1	M	37.1	\$411	\$1,135	\$1,145	\$64	\$595
Swine	Liquid	GF	Large 1	MW	2	H	18.5	\$6,732	\$2,166	\$1,396	\$80	\$3,231
Swine	Liquid	GF	Large 1	MW	2	L	18.5	\$6,689	\$0	\$1,028	\$64	\$2,024
Swine	Liquid	GF	Large 1	MW	2	M	36.9	\$5,854	\$1,217	\$1,253	\$73	\$2,703
Swine	Liquid	GF	Large 1	MW	3	H	15.5	\$1,009	\$0	\$1,269	\$0	\$5,140
Swine	Liquid	GF	Large 1	MW	3	L	15.5	\$0	\$0	\$896	\$0	\$5,140
Swine	Liquid	GF	Large 1	MW	3	M	31.0	\$491	\$0	\$1,148	\$0	\$5,140
Swine	Liquid	GF	Large 2	MA	1	H	4.7	\$1,849	\$3,864	\$1,329	\$194	\$2,904
Swine	Liquid	GF	Large 2	MA	1	L	4.7	\$0	\$0	\$896	\$155	\$0
Swine	Liquid	GF	Large 2	MA	1	M	9.4	\$648	\$433	\$1,150	\$175	\$325
Swine	Liquid	GF	Large 2	MA	2	H	27.5	\$17,105	\$3,026	\$1,617	\$138	\$15,688

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	GF	Large 2	MA	2	L	27.5	\$17,583	\$0	\$1,244	\$110	\$13,491
Swine	Liquid	GF	Large 2	MA	2	M	55.0	\$15,892	\$339	\$1,452	\$124	\$13,723
Swine	Liquid	GF	Large 2	MA	3	H	8.1	\$1,722	\$0	\$1,283	\$0	\$17,212
Swine	Liquid	GF	Large 2	MA	3	L	8.1	\$0	\$0	\$896	\$0	\$17,212
Swine	Liquid	GF	Large 2	MA	3	M	16.1	\$847	\$0	\$1,155	\$0	\$17,212
Swine	Liquid	GF	Large 2	MW	1	H	13.3	\$1,674	\$3,161	\$1,313	\$147	\$2,201
Swine	Liquid	GF	Large 2	MW	1	L	13.3	\$0	\$0	\$896	\$118	\$0
Swine	Liquid	GF	Large 2	MW	1	M	26.6	\$571	\$1,777	\$1,149	\$132	\$1,237
Swine	Liquid	GF	Large 2	MW	2	H	13.2	\$14,190	\$4,752	\$1,590	\$253	\$10,458
Swine	Liquid	GF	Large 2	MW	2	L	13.2	\$14,496	\$0	\$1,183	\$203	\$6,666
Swine	Liquid	GF	Large 2	MW	2	M	26.5	\$13,001	\$2,671	\$1,395	\$227	\$8,797
Swine	Liquid	GF	Large 2	MW	3	H	11.1	\$1,817	\$0	\$1,285	\$0	\$19,177
Swine	Liquid	GF	Large 2	MW	3	L	11.1	\$0	\$0	\$896	\$0	\$19,177
Swine	Liquid	GF	Large 2	MW	3	M	22.2	\$895	\$0	\$1,156	\$0	\$19,177
Swine	Liquid	GF	Medium 1	MA	1	H	2.5	\$1,553	\$1,623	\$1,466	\$45	\$663
Swine	Liquid	GF	Medium 1	MA	1	L	2.5	\$1,599	\$81	\$1,271	\$35	\$33
Swine	Liquid	GF	Medium 1	MA	1	M	5.1	\$1,553	\$1,586	\$1,368	\$40	\$648
Swine	Liquid	GF	Medium 1	MA	2	H	1.6	\$4,330	\$1,557	\$1,492	\$40	\$1,235
Swine	Liquid	GF	Medium 1	MA	2	L	1.6	\$4,971	\$77	\$1,309	\$32	\$667
Swine	Liquid	GF	Medium 1	MA	2	M	3.2	\$4,330	\$1,522	\$1,394	\$36	\$1,221
Swine	Liquid	GF	Medium 1	MA	3	H	1.0	\$573	\$0	\$1,120	\$0	\$1,097
Swine	Liquid	GF	Medium 1	MA	3	L	1.0	\$620	\$0	\$925	\$0	\$1,097
Swine	Liquid	GF	Medium 1	MA	3	M	1.9	\$573	\$0	\$1,022	\$0	\$1,097
Swine	Liquid	GF	Medium 1	MW	1	H	15.8	\$1,403	\$1,430	\$1,376	\$31	\$470
Swine	Liquid	GF	Medium 1	MW	1	L	15.8	\$1,449	\$858	\$1,181	\$25	\$282
Swine	Liquid	GF	Medium 1	MW	1	M	31.7	\$1,403	\$1,410	\$1,278	\$28	\$463

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	GF	Medium 1	MW	2	H	2.8	\$4,261	\$1,585	\$1,503	\$42	\$1,135
Swine	Liquid	GF	Medium 1	MW	2	L	2.8	\$4,882	\$951	\$1,319	\$34	\$885
Swine	Liquid	GF	Medium 1	MW	2	M	5.7	\$4,261	\$1,563	\$1,405	\$37	\$1,126
Swine	Liquid	GF	Medium 1	MW	3	H	2.6	\$573	\$0	\$1,120	\$0	\$1,115
Swine	Liquid	GF	Medium 1	MW	3	L	2.6	\$620	\$0	\$925	\$0	\$1,115
Swine	Liquid	GF	Medium 1	MW	3	M	5.2	\$573	\$0	\$1,022	\$0	\$1,115
Swine	Liquid	GF	Medium 2	MA	1	H	1.3	\$1,817	\$1,852	\$1,573	\$59	\$892
Swine	Liquid	GF	Medium 2	MA	1	L	1.3	\$1,863	\$93	\$1,378	\$47	\$45
Swine	Liquid	GF	Medium 2	MA	1	M	2.6	\$1,817	\$1,809	\$1,475	\$53	\$872
Swine	Liquid	GF	Medium 2	MA	2	H	2.3	\$5,127	\$1,466	\$1,466	\$34	\$1,893
Swine	Liquid	GF	Medium 2	MA	2	L	2.3	\$5,955	\$73	\$1,287	\$27	\$1,413
Swine	Liquid	GF	Medium 2	MA	2	M	4.6	\$5,127	\$1,432	\$1,368	\$31	\$1,881
Swine	Liquid	GF	Medium 2	MA	3	H	1.0	\$666	\$0	\$1,122	\$0	\$1,667
Swine	Liquid	GF	Medium 2	MA	3	L	1.0	\$713	\$0	\$927	\$0	\$1,667
Swine	Liquid	GF	Medium 2	MA	3	M	2.1	\$666	\$0	\$1,024	\$0	\$1,667
Swine	Liquid	GF	Medium 2	MW	1	H	7.4	\$1,646	\$1,632	\$1,472	\$45	\$672
Swine	Liquid	GF	Medium 2	MW	1	L	7.4	\$1,692	\$979	\$1,277	\$36	\$403
Swine	Liquid	GF	Medium 2	MW	1	M	14.9	\$1,646	\$1,609	\$1,374	\$40	\$663
Swine	Liquid	GF	Medium 2	MW	2	H	2.7	\$5,260	\$1,832	\$1,633	\$58	\$1,953
Swine	Liquid	GF	Medium 2	MW	2	L	2.7	\$6,064	\$1,099	\$1,453	\$46	\$1,604
Swine	Liquid	GF	Medium 2	MW	2	M	5.4	\$5,260	\$1,806	\$1,535	\$53	\$1,940
Swine	Liquid	GF	Medium 2	MW	3	H	1.8	\$674	\$0	\$1,122	\$0	\$1,741
Swine	Liquid	GF	Medium 2	MW	3	L	1.8	\$721	\$0	\$927	\$0	\$1,741
Swine	Liquid	GF	Medium 2	MW	3	M	3.6	\$674	\$0	\$1,024	\$0	\$1,741
Swine	Liquid	GF	Medium 3	MA	1	H	0.8	\$2,173	\$2,210	\$1,740	\$83	\$1,250
Swine	Liquid	GF	Medium 3	MA	1	L	0.8	\$2,219	\$111	\$1,545	\$67	\$63

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	GF	Medium 3	MA	1	M	1.5	\$2,173	\$2,159	\$1,642	\$75	\$1,221
Swine	Liquid	GF	Medium 3	MA	2	H	1.4	\$6,105	\$1,663	\$1,574	\$47	\$2,629
Swine	Liquid	GF	Medium 3	MA	2	L	1.4	\$7,129	\$84	\$1,398	\$37	\$1,961
Swine	Liquid	GF	Medium 3	MA	2	M	2.8	\$6,105	\$1,625	\$1,476	\$42	\$2,613
Swine	Liquid	GF	Medium 3	MA	3	H	0.6	\$755	\$0	\$1,124	\$0	\$2,317
Swine	Liquid	GF	Medium 3	MA	3	L	0.6	\$803	\$0	\$929	\$0	\$2,317
Swine	Liquid	GF	Medium 3	MA	3	M	1.2	\$755	\$0	\$1,026	\$0	\$2,317
Swine	Liquid	GF	Medium 3	MW	1	H	4.4	\$1,958	\$1,925	\$1,609	\$65	\$965
Swine	Liquid	GF	Medium 3	MW	1	L	4.4	\$2,005	\$1,155	\$1,414	\$52	\$579
Swine	Liquid	GF	Medium 3	MW	1	M	8.8	\$1,958	\$1,899	\$1,511	\$58	\$952
Swine	Liquid	GF	Medium 3	MW	2	H	1.6	\$6,318	\$2,171	\$1,805	\$81	\$2,712
Swine	Liquid	GF	Medium 3	MW	2	L	1.6	\$7,302	\$1,302	\$1,628	\$64	\$2,227
Swine	Liquid	GF	Medium 3	MW	2	M	3.2	\$6,318	\$2,140	\$1,707	\$73	\$2,695
Swine	Liquid	GF	Medium 3	MW	3	H	1.1	\$764	\$0	\$1,124	\$0	\$2,420
Swine	Liquid	GF	Medium 3	MW	3	L	1.1	\$812	\$0	\$929	\$0	\$2,420
Swine	Liquid	GF	Medium 3	MW	3	M	2.1	\$764	\$0	\$1,026	\$0	\$2,420
Swine	Pit	FF	Large 1	MA	1	H	2.5	\$569	\$2,259	\$1,276	\$86	\$1,299
Swine	Pit	FF	Large 1	MA	1	L	2.5	\$0	\$0	\$896	\$69	\$0
Swine	Pit	FF	Large 1	MA	1	M	4.9	\$33	\$253	\$1,138	\$78	\$146
Swine	Pit	FF	Large 1	MA	2	H	14.3	\$550	\$1,650	\$25,442	\$46	\$690
Swine	Pit	FF	Large 1	MA	2	L	14.3	\$0	\$0	\$24,898	\$37	\$0
Swine	Pit	FF	Large 1	MA	2	M	28.6	\$33	\$185	\$25,140	\$42	\$78
Swine	Pit	FF	Large 1	MA	3	H	4.2	\$30	\$0	\$30,027	\$0	\$0
Swine	Pit	FF	Large 1	MA	3	L	4.2	\$0	\$0	\$29,673	\$0	\$0
Swine	Pit	FF	Large 1	MA	3	M	8.4	\$2	\$0	\$29,915	\$0	\$0
Swine	Pit	FF	Large 1	MW	1	H	34.8	\$564	\$2,110	\$1,272	\$77	\$1,150

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Large 1	MW	1	L	34.8	\$0	\$0	\$896	\$62	\$0
Swine	Pit	FF	Large 1	MW	1	M	69.6	\$33	\$1,186	\$1,138	\$69	\$646
Swine	Pit	FF	Large 1	MW	2	H	34.7	\$566	\$2,166	\$4,336	\$80	\$1,206
Swine	Pit	FF	Large 1	MW	2	L	34.7	\$0	\$0	\$3,958	\$64	\$0
Swine	Pit	FF	Large 1	MW	2	M	69.4	\$33	\$1,217	\$4,200	\$73	\$678
Swine	Pit	FF	Large 1	MW	3	H	29.1	\$30	\$0	\$12,095	\$0	\$0
Swine	Pit	FF	Large 1	MW	3	L	29.1	\$0	\$0	\$11,741	\$0	\$0
Swine	Pit	FF	Large 1	MW	3	M	58.2	\$2	\$0	\$11,983	\$0	\$0
Swine	Pit	FF	Large 2	MA	1	H	1.8	\$636	\$4,473	\$1,317	\$235	\$3,513
Swine	Pit	FF	Large 2	MA	1	L	1.8	\$0	\$0	\$896	\$187	\$0
Swine	Pit	FF	Large 2	MA	1	M	3.5	\$33	\$501	\$1,138	\$211	\$393
Swine	Pit	FF	Large 2	MA	2	H	10.3	\$592	\$3,026	\$73,666	\$138	\$2,066
Swine	Pit	FF	Large 2	MA	2	L	10.3	\$0	\$0	\$72,745	\$110	\$0
Swine	Pit	FF	Large 2	MA	2	M	20.5	\$33	\$339	\$72,987	\$124	\$232
Swine	Pit	FF	Large 2	MA	3	H	3.0	\$30	\$0	\$98,409	\$0	\$0
Swine	Pit	FF	Large 2	MA	3	L	3.0	\$0	\$0	\$98,055	\$0	\$0
Swine	Pit	FF	Large 2	MA	3	M	6.0	\$2	\$0	\$98,297	\$0	\$0
Swine	Pit	FF	Large 2	MW	1	H	25.0	\$602	\$3,375	\$1,296	\$161	\$2,415
Swine	Pit	FF	Large 2	MW	1	L	25.0	\$0	\$0	\$896	\$129	\$0
Swine	Pit	FF	Large 2	MW	1	M	50.0	\$33	\$1,897	\$1,138	\$145	\$1,357
Swine	Pit	FF	Large 2	MW	2	H	24.9	\$644	\$4,752	\$11,934	\$253	\$3,792
Swine	Pit	FF	Large 2	MW	2	L	24.9	\$0	\$0	\$11,507	\$203	\$0
Swine	Pit	FF	Large 2	MW	2	M	49.8	\$33	\$2,671	\$11,749	\$227	\$2,131
Swine	Pit	FF	Large 2	MW	3	H	20.9	\$30	\$0	\$41,710	\$0	\$0
Swine	Pit	FF	Large 2	MW	3	L	20.9	\$0	\$0	\$41,356	\$0	\$0
Swine	Pit	FF	Large 2	MW	3	M	41.7	\$2	\$0	\$41,598	\$0	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Medium 1	MA	1	H	0.9	\$1,063	\$1,670	\$1,478	\$47	\$710
Swine	Pit	FF	Medium 1	MA	1	L	0.9	\$1,063	\$84	\$1,282	\$38	\$36
Swine	Pit	FF	Medium 1	MA	1	M	1.8	\$1,063	\$1,631	\$1,380	\$42	\$693
Swine	Pit	FF	Medium 1	MA	2	H	0.6	\$981	\$1,559	\$2,333	\$40	\$599
Swine	Pit	FF	Medium 1	MA	2	L	0.6	\$981	\$78	\$1,978	\$32	\$30
Swine	Pit	FF	Medium 1	MA	2	M	1.2	\$981	\$1,524	\$2,076	\$36	\$586
Swine	Pit	FF	Medium 1	MA	3	H	0.4	\$30	\$0	\$7,301	\$0	\$0
Swine	Pit	FF	Medium 1	MA	3	L	0.4	\$30	\$0	\$7,105	\$0	\$0
Swine	Pit	FF	Medium 1	MA	3	M	0.7	\$30	\$0	\$7,203	\$0	\$0
Swine	Pit	FF	Medium 1	MW	1	H	50.0	\$901	\$1,453	\$1,378	\$33	\$493
Swine	Pit	FF	Medium 1	MW	1	L	50.0	\$901	\$872	\$1,182	\$27	\$296
Swine	Pit	FF	Medium 1	MW	1	M	100.0	\$901	\$1,433	\$1,280	\$30	\$487
Swine	Pit	FF	Medium 1	MW	2	H	9.0	\$1,000	\$1,585	\$1,842	\$42	\$625
Swine	Pit	FF	Medium 1	MW	2	L	9.0	\$1,000	\$951	\$1,646	\$34	\$375
Swine	Pit	FF	Medium 1	MW	2	M	17.9	\$1,000	\$1,563	\$1,744	\$37	\$616
Swine	Pit	FF	Medium 1	MW	3	H	8.3	\$30	\$0	\$3,463	\$0	\$0
Swine	Pit	FF	Medium 1	MW	3	L	8.3	\$30	\$0	\$3,267	\$0	\$0
Swine	Pit	FF	Medium 1	MW	3	M	16.5	\$30	\$0	\$3,365	\$0	\$0
Swine	Pit	FF	Medium 2	MA	1	H	0.4	\$1,261	\$1,933	\$1,599	\$65	\$973
Swine	Pit	FF	Medium 2	MA	1	L	0.4	\$1,261	\$97	\$1,403	\$52	\$49
Swine	Pit	FF	Medium 2	MA	1	M	0.7	\$1,261	\$1,889	\$1,501	\$58	\$951
Swine	Pit	FF	Medium 2	MA	2	H	0.7	\$913	\$1,469	\$8,254	\$34	\$509
Swine	Pit	FF	Medium 2	MA	2	L	0.7	\$913	\$73	\$7,342	\$27	\$25
Swine	Pit	FF	Medium 2	MA	2	M	1.3	\$913	\$1,435	\$7,441	\$31	\$497
Swine	Pit	FF	Medium 2	MA	3	H	0.3	\$30	\$0	\$10,521	\$0	\$0
Swine	Pit	FF	Medium 2	MA	3	L	0.3	\$30	\$0	\$10,325	\$0	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Medium 2	MA	3	M	0.6	\$30	\$0	\$10,423	\$0	\$0
Swine	Pit	FF	Medium 2	MW	1	H	18.4	\$1,065	\$1,671	\$1,478	\$47	\$711
Swine	Pit	FF	Medium 2	MW	1	L	18.4	\$1,065	\$1,003	\$1,282	\$38	\$427
Swine	Pit	FF	Medium 2	MW	1	M	36.9	\$1,065	\$1,648	\$1,380	\$43	\$701
Swine	Pit	FF	Medium 2	MW	2	H	6.7	\$1,185	\$1,832	\$2,162	\$58	\$872
Swine	Pit	FF	Medium 2	MW	2	L	6.7	\$1,185	\$1,099	\$1,966	\$46	\$523
Swine	Pit	FF	Medium 2	MW	2	M	13.5	\$1,185	\$1,806	\$2,064	\$53	\$859
Swine	Pit	FF	Medium 2	MW	3	H	4.5	\$30	\$0	\$4,782	\$0	\$0
Swine	Pit	FF	Medium 2	MW	3	L	4.5	\$30	\$0	\$4,586	\$0	\$0
Swine	Pit	FF	Medium 2	MW	3	M	8.9	\$30	\$0	\$4,684	\$0	\$0
Swine	Pit	FF	Medium 3	MA	1	H	0.2	\$1,554	\$2,322	\$1,779	\$91	\$1,362
Swine	Pit	FF	Medium 3	MA	1	L	0.2	\$1,554	\$116	\$1,583	\$73	\$68
Swine	Pit	FF	Medium 3	MA	1	M	0.4	\$1,554	\$2,269	\$1,681	\$82	\$1,331
Swine	Pit	FF	Medium 3	MA	2	H	0.3	\$1,061	\$1,667	\$11,018	\$47	\$707
Swine	Pit	FF	Medium 3	MA	2	L	0.3	\$1,061	\$84	\$9,827	\$37	\$36
Swine	Pit	FF	Medium 3	MA	2	M	0.6	\$1,061	\$1,628	\$9,926	\$42	\$690
Swine	Pit	FF	Medium 3	MA	3	H	0.1	\$30	\$0	\$14,190	\$0	\$0
Swine	Pit	FF	Medium 3	MA	3	L	0.1	\$30	\$0	\$13,994	\$0	\$0
Swine	Pit	FF	Medium 3	MA	3	M	0.3	\$30	\$0	\$14,092	\$0	\$0
Swine	Pit	FF	Medium 3	MW	1	H	9.0	\$1,298	\$1,981	\$1,621	\$68	\$1,021
Swine	Pit	FF	Medium 3	MW	1	L	9.0	\$1,298	\$1,189	\$1,425	\$54	\$613
Swine	Pit	FF	Medium 3	MW	1	M	17.9	\$1,298	\$1,954	\$1,523	\$61	\$1,007
Swine	Pit	FF	Medium 3	MW	2	H	3.3	\$1,440	\$2,171	\$2,555	\$81	\$1,211
Swine	Pit	FF	Medium 3	MW	2	L	3.3	\$1,440	\$1,302	\$2,359	\$64	\$726
Swine	Pit	FF	Medium 3	MW	2	M	6.6	\$1,440	\$2,140	\$2,457	\$73	\$1,194
Swine	Pit	FF	Medium 3	MW	3	H	2.2	\$30	\$0	\$6,216	\$0	\$0

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Medium 3	MW	3	L	2.2	\$30	\$0	\$6,020	\$0	\$0
Swine	Pit	FF	Medium 3	MW	3	M	4.3	\$30	\$0	\$6,118	\$0	\$0
Swine	Pit	GF	Large 1	MA	1	H	3.9	\$569	\$2,259	\$1,276	\$86	\$1,299
Swine	Pit	GF	Large 1	MA	1	L	3.9	\$0	\$0	\$896	\$69	\$0
Swine	Pit	GF	Large 1	MA	1	M	7.9	\$33	\$253	\$1,138	\$78	\$146
Swine	Pit	GF	Large 1	MA	2	H	23.0	\$550	\$1,650	\$25,926	\$46	\$690
Swine	Pit	GF	Large 1	MA	2	L	23.0	\$0	\$0	\$25,382	\$37	\$0
Swine	Pit	GF	Large 1	MA	2	M	46.0	\$33	\$185	\$25,624	\$42	\$78
Swine	Pit	GF	Large 1	MA	3	H	6.7	\$30	\$0	\$30,027	\$0	\$0
Swine	Pit	GF	Large 1	MA	3	L	6.7	\$0	\$0	\$29,673	\$0	\$0
Swine	Pit	GF	Large 1	MA	3	M	13.5	\$2	\$0	\$29,915	\$0	\$0
Swine	Pit	GF	Large 1	MW	1	H	44.7	\$564	\$2,110	\$1,272	\$77	\$1,150
Swine	Pit	GF	Large 1	MW	1	L	44.7	\$0	\$0	\$896	\$62	\$0
Swine	Pit	GF	Large 1	MW	1	M	89.4	\$33	\$1,186	\$1,138	\$69	\$646
Swine	Pit	GF	Large 1	MW	2	H	44.6	\$566	\$2,166	\$4,737	\$80	\$1,206
Swine	Pit	GF	Large 1	MW	2	L	44.6	\$0	\$0	\$4,359	\$64	\$0
Swine	Pit	GF	Large 1	MW	2	M	89.1	\$33	\$1,217	\$4,601	\$73	\$678
Swine	Pit	GF	Large 1	MW	3	H	37.4	\$30	\$0	\$12,095	\$0	\$0
Swine	Pit	GF	Large 1	MW	3	L	37.4	\$0	\$0	\$11,741	\$0	\$0
Swine	Pit	GF	Large 1	MW	3	M	74.7	\$2	\$0	\$11,983	\$0	\$0
Swine	Pit	GF	Large 2	MA	1	H	2.8	\$636	\$4,473	\$1,317	\$235	\$3,513
Swine	Pit	GF	Large 2	MA	1	L	2.8	\$0	\$0	\$896	\$187	\$0
Swine	Pit	GF	Large 2	MA	1	M	5.7	\$33	\$501	\$1,138	\$211	\$393
Swine	Pit	GF	Large 2	MA	2	H	16.5	\$592	\$3,026	\$75,116	\$138	\$2,066
Swine	Pit	GF	Large 2	MA	2	L	16.5	\$0	\$0	\$74,195	\$110	\$0
Swine	Pit	GF	Large 2	MA	2	M	33.0	\$33	\$339	\$74,437	\$124	\$232

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	GF	Large 2	MA	3	H	4.8	\$30	\$0	\$98,409	\$0	\$0
Swine	Pit	GF	Large 2	MA	3	L	4.8	\$0	\$0	\$98,055	\$0	\$0
Swine	Pit	GF	Large 2	MA	3	M	9.7	\$2	\$0	\$98,297	\$0	\$0
Swine	Pit	GF	Large 2	MW	1	H	32.1	\$602	\$3,375	\$1,296	\$161	\$2,415
Swine	Pit	GF	Large 2	MW	1	L	32.1	\$0	\$0	\$896	\$129	\$0
Swine	Pit	GF	Large 2	MW	1	M	64.1	\$33	\$1,897	\$1,138	\$145	\$1,357
Swine	Pit	GF	Large 2	MW	2	H	32.0	\$644	\$4,752	\$13,210	\$253	\$3,792
Swine	Pit	GF	Large 2	MW	2	L	32.0	\$0	\$0	\$12,784	\$203	\$0
Swine	Pit	GF	Large 2	MW	2	M	63.9	\$33	\$2,671	\$13,026	\$227	\$2,131
Swine	Pit	GF	Large 2	MW	3	H	26.8	\$30	\$0	\$41,710	\$0	\$0
Swine	Pit	GF	Large 2	MW	3	L	26.8	\$0	\$0	\$41,356	\$0	\$0
Swine	Pit	GF	Large 2	MW	3	M	53.6	\$2	\$0	\$41,598	\$0	\$0
Swine	Pit	GF	Medium 1	MA	1	H	0.9	\$1,063	\$1,670	\$1,478	\$47	\$710
Swine	Pit	GF	Medium 1	MA	1	L	0.9	\$1,063	\$84	\$1,282	\$38	\$36
Swine	Pit	GF	Medium 1	MA	1	M	1.8	\$1,063	\$1,631	\$1,380	\$42	\$693
Swine	Pit	GF	Medium 1	MA	2	H	0.6	\$981	\$1,559	\$2,454	\$40	\$599
Swine	Pit	GF	Medium 1	MA	2	L	0.6	\$981	\$78	\$2,104	\$32	\$30
Swine	Pit	GF	Medium 1	MA	2	M	1.2	\$981	\$1,524	\$2,202	\$36	\$586
Swine	Pit	GF	Medium 1	MA	3	H	0.3	\$30	\$0	\$7,301	\$0	\$0
Swine	Pit	GF	Medium 1	MA	3	L	0.3	\$30	\$0	\$7,105	\$0	\$0
Swine	Pit	GF	Medium 1	MA	3	M	0.7	\$30	\$0	\$7,203	\$0	\$0
Swine	Pit	GF	Medium 1	MW	1	H	33.2	\$901	\$1,453	\$1,378	\$33	\$493
Swine	Pit	GF	Medium 1	MW	1	L	33.2	\$901	\$872	\$1,182	\$27	\$296
Swine	Pit	GF	Medium 1	MW	1	M	66.4	\$901	\$1,433	\$1,280	\$30	\$487
Swine	Pit	GF	Medium 1	MW	2	H	6.0	\$1,000	\$1,585	\$1,976	\$42	\$625
Swine	Pit	GF	Medium 1	MW	2	L	6.0	\$1,000	\$951	\$1,780	\$34	\$375

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	GF	Medium 1	MW	2	M	11.9	\$1,000	\$1,563	\$1,878	\$37	\$616
Swine	Pit	GF	Medium 1	MW	3	H	5.5	\$30	\$0	\$3,463	\$0	\$0
Swine	Pit	GF	Medium 1	MW	3	L	5.5	\$30	\$0	\$3,267	\$0	\$0
Swine	Pit	GF	Medium 1	MW	3	M	11.0	\$30	\$0	\$3,365	\$0	\$0
Swine	Pit	GF	Medium 2	MA	1	H	0.5	\$1,261	\$1,933	\$1,599	\$65	\$973
Swine	Pit	GF	Medium 2	MA	1	L	0.5	\$1,261	\$97	\$1,403	\$52	\$49
Swine	Pit	GF	Medium 2	MA	1	M	0.9	\$1,261	\$1,889	\$1,501	\$58	\$951
Swine	Pit	GF	Medium 2	MA	2	H	0.8	\$913	\$1,469	\$8,410	\$34	\$509
Swine	Pit	GF	Medium 2	MA	2	L	0.8	\$913	\$73	\$7,523	\$27	\$25
Swine	Pit	GF	Medium 2	MA	2	M	1.7	\$913	\$1,435	\$7,621	\$31	\$497
Swine	Pit	GF	Medium 2	MA	3	H	0.4	\$30	\$0	\$10,521	\$0	\$0
Swine	Pit	GF	Medium 2	MA	3	L	0.4	\$30	\$0	\$10,325	\$0	\$0
Swine	Pit	GF	Medium 2	MA	3	M	0.7	\$30	\$0	\$10,423	\$0	\$0
Swine	Pit	GF	Medium 2	MW	1	H	15.6	\$1,065	\$1,671	\$1,478	\$47	\$711
Swine	Pit	GF	Medium 2	MW	1	L	15.6	\$1,065	\$1,003	\$1,282	\$38	\$427
Swine	Pit	GF	Medium 2	MW	1	M	31.2	\$1,065	\$1,648	\$1,380	\$43	\$701
Swine	Pit	GF	Medium 2	MW	2	H	5.7	\$1,185	\$1,832	\$2,364	\$58	\$872
Swine	Pit	GF	Medium 2	MW	2	L	5.7	\$1,185	\$1,099	\$2,168	\$46	\$523
Swine	Pit	GF	Medium 2	MW	2	M	11.4	\$1,185	\$1,806	\$2,266	\$53	\$859
Swine	Pit	GF	Medium 2	MW	3	H	3.8	\$30	\$0	\$4,782	\$0	\$0
Swine	Pit	GF	Medium 2	MW	3	L	3.8	\$30	\$0	\$4,586	\$0	\$0
Swine	Pit	GF	Medium 2	MW	3	M	7.6	\$30	\$0	\$4,684	\$0	\$0
Swine	Pit	GF	Medium 3	MA	1	H	0.3	\$1,554	\$2,322	\$1,779	\$91	\$1,362
Swine	Pit	GF	Medium 3	MA	1	L	0.3	\$1,554	\$116	\$1,583	\$73	\$68
Swine	Pit	GF	Medium 3	MA	1	M	0.5	\$1,554	\$2,269	\$1,681	\$82	\$1,331
Swine	Pit	GF	Medium 3	MA	2	H	0.5	\$1,061	\$1,667	\$11,235	\$47	\$707

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	GF	Medium 3	MA	2	L	0.5	\$1,061	\$84	\$10,079	\$37	\$36
Swine	Pit	GF	Medium 3	MA	2	M	1.0	\$1,061	\$1,628	\$10,177	\$42	\$690
Swine	Pit	GF	Medium 3	MA	3	H	0.2	\$30	\$0	\$14,190	\$0	\$0
Swine	Pit	GF	Medium 3	MA	3	L	0.2	\$30	\$0	\$13,994	\$0	\$0
Swine	Pit	GF	Medium 3	MA	3	M	0.4	\$30	\$0	\$14,092	\$0	\$0
Swine	Pit	GF	Medium 3	MW	1	H	9.3	\$1,298	\$1,981	\$1,621	\$68	\$1,021
Swine	Pit	GF	Medium 3	MW	1	L	9.3	\$1,298	\$1,189	\$1,425	\$54	\$613
Swine	Pit	GF	Medium 3	MW	1	M	18.5	\$1,298	\$1,954	\$1,523	\$61	\$1,007
Swine	Pit	GF	Medium 3	MW	2	H	3.4	\$1,440	\$2,171	\$2,836	\$81	\$1,211
Swine	Pit	GF	Medium 3	MW	2	L	3.4	\$1,440	\$1,302	\$2,640	\$64	\$726
Swine	Pit	GF	Medium 3	MW	2	M	6.8	\$1,440	\$2,140	\$2,738	\$73	\$1,194
Swine	Pit	GF	Medium 3	MW	3	H	2.2	\$30	\$0	\$6,216	\$0	\$0
Swine	Pit	GF	Medium 3	MW	3	L	2.2	\$30	\$0	\$6,020	\$0	\$0
Swine	Pit	GF	Medium 3	MW	3	M	4.5	\$30	\$0	\$6,118	\$0	\$0
Turkey	Solid	SL	Large 1	MA	1	H	1.2	\$151,930	\$7,127	\$5,851	\$411	\$6,167
Turkey	Solid	SL	Large 1	MA	1	L	1.2	\$20,456	\$6,770	\$5,285	\$329	\$5,858
Turkey	Solid	SL	Large 1	MA	1	M	2.4	\$78,903	\$7,120	\$5,569	\$370	\$6,161
Turkey	Solid	SL	Large 1	MA	2	H	23.8	\$148,939	\$3,147	\$19,105	\$146	\$2,187
Turkey	Solid	SL	Large 1	MA	2	L	23.8	\$17,465	\$2,990	\$3,448	\$117	\$2,078
Turkey	Solid	SL	Large 1	MA	2	M	47.6	\$75,912	\$3,144	\$10,372	\$131	\$2,185
Turkey	Solid	SL	Large 1	MA	3	H	15.8	\$146,794	\$0	\$14,657	\$0	\$0
Turkey	Solid	SL	Large 1	MA	3	L	15.8	\$15,345	\$0	\$2,400	\$0	\$0
Turkey	Solid	SL	Large 1	MA	3	M	31.5	\$73,768	\$0	\$7,827	\$0	\$0
Turkey	Solid	SL	Large 1	MW	1	H	1.7	\$151,140	\$6,076	\$5,366	\$341	\$5,116
Turkey	Solid	SL	Large 1	MW	1	L	1.7	\$19,481	\$6,076	\$4,786	\$273	\$5,116
Turkey	Solid	SL	Large 1	MW	1	M	3.4	\$78,113	\$6,076	\$5,084	\$307	\$5,116

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Turkey	Solid	SL	Large 1	MW	2	H	32.8	\$148,939	\$3,147	\$10,028	\$146	\$2,187
Turkey	Solid	SL	Large 1	MW	2	L	32.8	\$17,279	\$3,147	\$3,434	\$117	\$2,187
Turkey	Solid	SL	Large 1	MW	2	M	65.6	\$75,911	\$3,147	\$6,378	\$131	\$2,187
Turkey	Solid	SL	Large 1	MW	3	H	21.7	\$146,794	\$0	\$4,601	\$0	\$0
Turkey	Solid	SL	Large 1	MW	3	L	21.7	\$15,334	\$0	\$2,400	\$0	\$0
Turkey	Solid	SL	Large 1	MW	3	M	43.5	\$73,767	\$0	\$3,403	\$0	\$0
Turkey	Solid	SL	Medium 1	MA	1	H	0.2	\$28,009	\$3,202	\$2,446	\$150	\$2,242
Turkey	Solid	SL	Medium 1	MA	1	L	0.2	\$5,050	\$3,170	\$2,199	\$119	\$2,220
Turkey	Solid	SL	Medium 1	MA	1	M	0.5	\$15,256	\$3,193	\$2,322	\$135	\$2,236
Turkey	Solid	SL	Medium 1	MA	2	H	1.6	\$26,968	\$1,816	\$4,086	\$57	\$856
Turkey	Solid	SL	Medium 1	MA	2	L	1.6	\$4,008	\$1,798	\$1,558	\$46	\$848
Turkey	Solid	SL	Medium 1	MA	2	M	3.3	\$14,214	\$1,811	\$2,730	\$51	\$854
Turkey	Solid	SL	Medium 1	MA	3	H	0.8	\$25,824	\$0	\$3,412	\$0	\$0
Turkey	Solid	SL	Medium 1	MA	3	L	0.8	\$2,870	\$0	\$1,124	\$0	\$0
Turkey	Solid	SL	Medium 1	MA	3	M	1.7	\$13,071	\$0	\$2,145	\$0	\$0
Turkey	Solid	SL	Medium 1	MW	1	H	0.2	\$28,199	\$3,454	\$2,562	\$167	\$2,494
Turkey	Solid	SL	Medium 1	MW	1	L	0.2	\$4,715	\$3,454	\$2,275	\$133	\$2,494
Turkey	Solid	SL	Medium 1	MW	1	M	0.4	\$15,306	\$3,454	\$2,428	\$150	\$2,494
Turkey	Solid	SL	Medium 1	MW	2	H	1.4	\$26,968	\$1,816	\$2,694	\$57	\$856
Turkey	Solid	SL	Medium 1	MW	2	L	1.4	\$3,484	\$1,816	\$1,519	\$46	\$856
Turkey	Solid	SL	Medium 1	MW	2	M	2.8	\$14,074	\$1,816	\$2,063	\$51	\$856
Turkey	Solid	SL	Medium 1	MW	3	H	0.7	\$25,824	\$0	\$1,657	\$0	\$0
Turkey	Solid	SL	Medium 1	MW	3	L	0.7	\$2,840	\$0	\$1,124	\$0	\$0
Turkey	Solid	SL	Medium 1	MW	3	M	1.4	\$13,064	\$0	\$1,373	\$0	\$0
Turkey	Solid	SL	Medium 2	MA	1	H	0.1	\$43,207	\$4,451	\$3,194	\$233	\$3,491
Turkey	Solid	SL	Medium 2	MA	1	L	0.1	\$7,460	\$4,407	\$2,913	\$186	\$3,456

**Table C-2b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Turkey	Solid	SL	Medium 2	MA	1	M	0.1	\$23,349	\$4,438	\$3,053	\$210	\$3,481
Turkey	Solid	SL	Medium 2	MA	2	H	0.9	\$41,256	\$1,856	\$5,846	\$60	\$896
Turkey	Solid	SL	Medium 2	MA	2	L	0.9	\$5,509	\$1,837	\$1,714	\$48	\$887
Turkey	Solid	SL	Medium 2	MA	2	M	1.9	\$21,398	\$1,851	\$3,549	\$54	\$894
Turkey	Solid	SL	Medium 2	MA	3	H	0.5	\$40,082	\$0	\$4,720	\$0	\$0
Turkey	Solid	SL	Medium 2	MA	3	L	0.5	\$4,340	\$0	\$1,261	\$0	\$0
Turkey	Solid	SL	Medium 2	MA	3	M	0.9	\$20,226	\$0	\$2,800	\$0	\$0
Turkey	Solid	SL	Medium 2	MW	1	H	0.0	\$43,503	\$4,844	\$3,375	\$259	\$3,884
Turkey	Solid	SL	Medium 2	MW	1	L	0.0	\$7,231	\$4,844	\$3,054	\$207	\$3,884
Turkey	Solid	SL	Medium 2	MW	1	M	0.1	\$23,505	\$4,844	\$3,224	\$233	\$3,884
Turkey	Solid	SL	Medium 2	MW	2	H	0.8	\$41,256	\$1,856	\$3,470	\$60	\$896
Turkey	Solid	SL	Medium 2	MW	2	L	0.8	\$4,984	\$1,856	\$1,675	\$48	\$896
Turkey	Solid	SL	Medium 2	MW	2	M	1.6	\$21,258	\$1,856	\$2,493	\$54	\$896
Turkey	Solid	SL	Medium 2	MW	3	H	0.4	\$40,082	\$0	\$1,987	\$0	\$0
Turkey	Solid	SL	Medium 2	MW	3	L	0.4	\$4,310	\$0	\$1,261	\$0	\$0
Turkey	Solid	SL	Medium 2	MW	3	M	0.8	\$20,218	\$0	\$1,597	\$0	\$0
Turkey	Solid	SL	Medium 3	MA	1	H	0.0	\$59,018	\$5,751	\$3,965	\$319	\$4,791
Turkey	Solid	SL	Medium 3	MA	1	L	0.0	\$9,967	\$5,693	\$3,649	\$256	\$4,743
Turkey	Solid	SL	Medium 3	MA	1	M	0.1	\$31,769	\$5,733	\$3,807	\$287	\$4,776
Turkey	Solid	SL	Medium 3	MA	2	H	0.5	\$56,473	\$2,366	\$7,595	\$93	\$1,406
Turkey	Solid	SL	Medium 3	MA	2	L	0.5	\$7,422	\$2,342	\$2,086	\$75	\$1,392
Turkey	Solid	SL	Medium 3	MA	2	M	0.9	\$29,224	\$2,359	\$4,559	\$84	\$1,402
Turkey	Solid	SL	Medium 3	MA	3	H	0.3	\$54,916	\$0	\$6,075	\$0	\$0
Turkey	Solid	SL	Medium 3	MA	3	L	0.3	\$5,870	\$0	\$1,398	\$0	\$0
Turkey	Solid	SL	Medium 3	MA	3	M	0.6	\$27,668	\$0	\$3,474	\$0	\$0
Turkey	Solid	SL	Medium 3	MW	1	H	0.0	\$59,423	\$6,290	\$4,214	\$355	\$5,330

**Table C-2b (Continued)**

<b>Animal</b>	<b>Farm Type</b>	<b>Manure Type</b>	<b>Size Class</b>	<b>Region</b>	<b>Category</b>	<b>Performance Needs</b>	<b>Number of Facilities</b>	<b>Capital Costs</b>	<b>Fixed Costs</b>	<b>Annual O&amp;M Costs</b>	<b>3-Year Recurring O&amp;M Costs</b>	<b>5-Year Recurring O&amp;M Costs</b>
Turkey	Solid	SL	Medium 3	MW	1	L	0.0	\$9,847	\$6,290	\$3,859	\$284	\$5,330
Turkey	Solid	SL	Medium 3	MW	1	M	0.1	\$32,034	\$6,290	\$4,046	\$320	\$5,330
Turkey	Solid	SL	Medium 3	MW	2	H	0.4	\$56,473	\$2,366	\$4,421	\$93	\$1,406
Turkey	Solid	SL	Medium 3	MW	2	L	0.4	\$6,897	\$2,366	\$2,047	\$75	\$1,406
Turkey	Solid	SL	Medium 3	MW	2	M	0.8	\$29,084	\$2,366	\$3,122	\$84	\$1,406
Turkey	Solid	SL	Medium 3	MW	3	H	0.3	\$54,916	\$0	\$2,324	\$0	\$0
Turkey	Solid	SL	Medium 3	MW	3	L	0.3	\$5,840	\$0	\$1,398	\$0	\$0
Turkey	Solid	SL	Medium 3	MW	3	M	0.5	\$27,660	\$0	\$1,824	\$0	\$0

**Table C-3a****Summary of Industry Costs for Option 5**

<b>Animal Type</b>	<b>Manure Type</b>	<b>Operation Type</b>	<b>Capital</b>	<b>Annual</b>	<b>Fixed</b>	<b>3-Year Recurring</b>	<b>5-Year Recurring</b>
Chicken	Liquid	LW	\$22,224,957	\$1,711,084	\$200,193	\$35,781	\$148,929
Chicken	Solid	BR	\$184,992,580	\$4,120,237	\$2,303,023	\$83,562	\$1,127,487
Chicken	Solid	LA	\$32,642,246	\$1,929,765	\$333,911	\$47,230	\$224,575
Swine	Evapor	FF	\$43,483,000	\$1,830,320	\$138,485	\$10,060	\$89,300
Swine	Evapor	GF	\$44,603,942	\$1,877,631	\$142,109	\$10,321	\$91,605
Swine	Liquid	FF	\$341,161,677	\$10,805,902	\$1,458,059	\$98,623	\$838,708
Swine	Liquid	GF	\$250,152,138	\$7,850,690	\$920,791	\$69,564	\$552,835
Swine	Pit	FF	\$37,452,731	\$12,278,113	\$1,398,631	\$82,198	\$781,926
Swine	Pit	GF	\$46,434,556	\$18,034,408	\$1,538,482	\$101,262	\$910,429
Turkey	Solid	SL	\$31,276,907	\$2,864,728	\$835,304	\$35,254	\$584,319
Veal	Liquid	Flush	\$1,036,004	\$82,351	\$38,948	\$2,422	\$10,090

**Table C-3b**

**Model Farm Costs for Option 5**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Liquid	LW	Large 1	SO	1	H	7.1	\$89,513	\$13,599	\$8,714	\$842	\$12,639
Chicken	Liquid	LW	Large 1	SO	1	L	7.1	\$79,016	\$0	\$2,476	\$674	\$0
Chicken	Liquid	LW	Large 1	SO	1	M	14.2	\$80,230	\$0	\$3,322	\$759	\$0
Chicken	Liquid	LW	Large 1	SO	2	H	43	\$80,986	\$2,256	\$8,743	\$87	\$1,296
Chicken	Liquid	LW	Large 1	SO	2	L	43	\$79,016	\$0	\$2,476	\$69	\$0
Chicken	Liquid	LW	Large 1	SO	2	M	85.9	\$79,378	\$0	\$6,515	\$78	\$0
Chicken	Liquid	LW	Large 1	SO	3	H	45.6	\$34,507	\$0	\$3,430	\$0	\$0
Chicken	Liquid	LW	Large 1	SO	3	L	45.6	\$4,010	\$0	\$976	\$0	\$0
Chicken	Liquid	LW	Large 1	SO	3	M	91.2	\$34,026	\$0	\$2,871	\$0	\$0
Chicken	Liquid	LW	Medium 3	SO	1	H	0.6	\$68,917	\$2,643	\$3,269	\$112	\$1,683
Chicken	Liquid	LW	Medium 3	SO	1	L	0.6	\$75,332	\$0	\$2,290	\$90	\$0
Chicken	Liquid	LW	Medium 3	SO	1	M	1.2	\$66,973	\$0	\$2,441	\$101	\$0
Chicken	Liquid	LW	Medium 3	SO	2	H	2.7	\$57,136	\$1,869	\$3,153	\$61	\$909
Chicken	Liquid	LW	Medium 3	SO	2	L	2.7	\$55,406	\$0	\$1,892	\$49	\$0
Chicken	Liquid	LW	Medium 3	SO	2	M	5.4	\$55,768	\$0	\$2,511	\$54	\$0
Chicken	Liquid	LW	Medium 3	SO	3	H	2.7	\$52,204	\$0	\$5,909	\$0	\$0
Chicken	Liquid	LW	Medium 3	SO	3	L	2.7	\$51,577	\$0	\$1,815	\$0	\$0
Chicken	Liquid	LW	Medium 3	SO	3	M	5.4	\$51,629	\$0	\$4,696	\$0	\$0
Chicken	Solid	BR	Large 1	MA	1	H	3.6	\$91,471	\$3,427	\$2,864	\$164	\$2,467
Chicken	Solid	BR	Large 1	MA	1	L	3.6	\$2,656	\$1,885	\$2,537	\$131	\$1,357
Chicken	Solid	BR	Large 1	MA	1	M	7.2	\$82,604	\$3,369	\$2,709	\$148	\$2,425
Chicken	Solid	BR	Large 1	MA	2	H	53.8	\$95,933	\$1,824	\$2,124	\$57	\$864
Chicken	Solid	BR	Large 1	MA	2	L	53.8	\$1,471	\$1,004	\$1,797	\$46	\$476
Chicken	Solid	BR	Large 1	MA	2	M	107.5	\$86,501	\$1,793	\$1,969	\$52	\$849
Chicken	Solid	BR	Large 1	MA	3	H	26.7	\$106,928	\$0	\$1,720	\$0	\$0
Chicken	Solid	BR	Large 1	MA	3	L	26.7	\$589	\$0	\$1,404	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	BR	Large 1	MA	3	M	53.4	\$96,295	\$0	\$1,562	\$0	\$0
Chicken	Solid	BR	Large 1	SO	1	H	2.8	\$92,823	\$5,225	\$3,694	\$284	\$4,265
Chicken	Solid	BR	Large 1	SO	1	L	2.8	\$3,761	\$522	\$3,259	\$228	\$426
Chicken	Solid	BR	Large 1	SO	1	M	5.5	\$83,959	\$5,162	\$3,538	\$256	\$4,213
Chicken	Solid	BR	Large 1	SO	2	H	126	\$97,203	\$1,604	\$2,023	\$43	\$644
Chicken	Solid	BR	Large 1	SO	2	L	126	\$1,041	\$161	\$1,588	\$34	\$65
Chicken	Solid	BR	Large 1	SO	2	M	251.9	\$87,631	\$1,585	\$1,867	\$39	\$637
Chicken	Solid	BR	Large 1	SO	3	H	45.7	\$94,105	\$0	\$1,685	\$0	\$0
Chicken	Solid	BR	Large 1	SO	3	L	45.7	\$55	\$0	\$1,250	\$0	\$0
Chicken	Solid	BR	Large 1	SO	3	M	91.4	\$84,744	\$0	\$1,529	\$0	\$0
Chicken	Solid	BR	Large 2	MA	1	H	2.1	\$191,977	\$5,996	\$4,450	\$336	\$5,036
Chicken	Solid	BR	Large 2	MA	1	L	2.1	\$4,931	\$3,298	\$4,044	\$268	\$2,770
Chicken	Solid	BR	Large 2	MA	1	M	4.2	\$173,287	\$5,894	\$4,255	\$302	\$4,950
Chicken	Solid	BR	Large 2	MA	2	H	31.1	\$234,700	\$2,447	\$3,102	\$99	\$1,487
Chicken	Solid	BR	Large 2	MA	2	L	31.1	\$2,421	\$1,345	\$2,639	\$79	\$817
Chicken	Solid	BR	Large 2	MA	2	M	62.2	\$211,487	\$2,405	\$2,878	\$89	\$1,461
Chicken	Solid	BR	Large 2	MA	3	H	15.4	\$273,178	\$0	\$2,548	\$0	\$0
Chicken	Solid	BR	Large 2	MA	3	L	15.4	\$1,168	\$0	\$2,069	\$0	\$0
Chicken	Solid	BR	Large 2	MA	3	M	30.9	\$245,978	\$0	\$2,308	\$0	\$0
Chicken	Solid	BR	Large 2	SO	1	H	1.6	\$179,230	\$8,919	\$5,785	\$530	\$7,959
Chicken	Solid	BR	Large 2	SO	1	L	1.6	\$6,567	\$892	\$5,269	\$425	\$796
Chicken	Solid	BR	Large 2	SO	1	M	3.2	\$162,029	\$8,812	\$5,591	\$477	\$7,863
Chicken	Solid	BR	Large 2	SO	2	H	72.8	\$224,355	\$2,028	\$2,823	\$71	\$1,068
Chicken	Solid	BR	Large 2	SO	2	L	72.8	\$1,404	\$203	\$2,260	\$57	\$107
Chicken	Solid	BR	Large 2	SO	2	M	145.7	\$202,138	\$2,004	\$2,607	\$64	\$1,055
Chicken	Solid	BR	Large 2	SO	3	H	26.4	\$231,930	\$0	\$2,326	\$0	\$0
Chicken	Solid	BR	Large 2	SO	3	L	26.4	\$104	\$0	\$1,756	\$0	\$0
Chicken	Solid	BR	Large 2	SO	3	M	52.9	\$208,828	\$0	\$2,106	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	BR	Medium 1	MA	1	H	1.1	\$29,696	\$1,912	\$1,680	\$63	\$952
Chicken	Solid	BR	Medium 1	MA	1	L	1.1	\$1,200	\$669	\$1,441	\$51	\$333
Chicken	Solid	BR	Medium 1	MA	1	M	2.1	\$26,877	\$1,898	\$1,573	\$57	\$945
Chicken	Solid	BR	Medium 1	MA	2	H	5.4	\$29,403	\$1,409	\$1,448	\$30	\$449
Chicken	Solid	BR	Medium 1	MA	2	L	5.4	\$822	\$494	\$1,209	\$24	\$158
Chicken	Solid	BR	Medium 1	MA	2	M	10.8	\$26,576	\$1,399	\$1,341	\$27	\$446
Chicken	Solid	BR	Medium 1	MA	3	H	5.5	\$28,396	\$0	\$1,201	\$0	\$0
Chicken	Solid	BR	Medium 1	MA	3	L	5.5	\$309	\$0	\$988	\$0	\$0
Chicken	Solid	BR	Medium 1	MA	3	M	11.1	\$25,589	\$0	\$1,094	\$0	\$0
Chicken	Solid	BR	Medium 1	SO	1	H	1.7	\$29,604	\$2,482	\$1,944	\$101	\$1,522
Chicken	Solid	BR	Medium 1	SO	1	L	1.7	\$1,693	\$372	\$1,616	\$81	\$228
Chicken	Solid	BR	Medium 1	SO	1	M	3.3	\$26,837	\$2,446	\$1,836	\$91	\$1,500
Chicken	Solid	BR	Medium 1	SO	2	H	13.9	\$29,026	\$1,314	\$1,404	\$24	\$354
Chicken	Solid	BR	Medium 1	SO	2	L	13.9	\$815	\$197	\$1,076	\$19	\$53
Chicken	Solid	BR	Medium 1	SO	2	M	27.8	\$26,228	\$1,294	\$1,296	\$21	\$349
Chicken	Solid	BR	Medium 1	SO	3	H	7	\$28,261	\$0	\$1,201	\$0	\$0
Chicken	Solid	BR	Medium 1	SO	3	L	7	\$49	\$0	\$872	\$0	\$0
Chicken	Solid	BR	Medium 1	SO	3	M	14	\$25,463	\$0	\$1,092	\$0	\$0
Chicken	Solid	BR	Medium 2	MA	1	H	1	\$41,397	\$2,231	\$1,913	\$85	\$1,271
Chicken	Solid	BR	Medium 2	MA	1	L	1	\$1,479	\$781	\$1,657	\$68	\$445
Chicken	Solid	BR	Medium 2	MA	1	M	2.1	\$37,435	\$2,215	\$1,798	\$76	\$1,261
Chicken	Solid	BR	Medium 2	MA	2	H	8.9	\$42,532	\$1,512	\$1,582	\$37	\$552
Chicken	Solid	BR	Medium 2	MA	2	L	8.9	\$945	\$530	\$1,326	\$30	\$194
Chicken	Solid	BR	Medium 2	MA	2	M	17.8	\$38,404	\$1,501	\$1,466	\$33	\$548
Chicken	Solid	BR	Medium 2	MA	3	H	6.2	\$40,176	\$0	\$1,287	\$0	\$0
Chicken	Solid	BR	Medium 2	MA	3	L	6.2	\$350	\$0	\$1,057	\$0	\$0
Chicken	Solid	BR	Medium 2	MA	3	M	12.3	\$36,195	\$0	\$1,172	\$0	\$0
Chicken	Solid	BR	Medium 2	SO	1	H	1.2	\$41,055	\$2,920	\$2,232	\$131	\$1,960

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	BR	Medium 2	SO	1	L	1.2	\$2,028	\$438	\$1,886	\$104	\$294
Chicken	Solid	BR	Medium 2	SO	1	M	2.3	\$37,178	\$2,876	\$2,115	\$118	\$1,930
Chicken	Solid	BR	Medium 2	SO	2	H	23.1	\$42,041	\$1,368	\$1,515	\$27	\$408
Chicken	Solid	BR	Medium 2	SO	2	L	23.1	\$863	\$205	\$1,169	\$22	\$61
Chicken	Solid	BR	Medium 2	SO	2	M	46.2	\$37,950	\$1,348	\$1,398	\$24	\$402
Chicken	Solid	BR	Medium 2	SO	3	H	8.9	\$41,158	\$0	\$1,287	\$0	\$0
Chicken	Solid	BR	Medium 2	SO	3	L	8.9	\$56	\$0	\$941	\$0	\$0
Chicken	Solid	BR	Medium 2	SO	3	M	17.8	\$37,074	\$0	\$1,170	\$0	\$0
Chicken	Solid	BR	Medium 3	MA	1	H	1	\$63,124	\$2,897	\$2,307	\$129	\$1,937
Chicken	Solid	BR	Medium 3	MA	1	L	1	\$2,054	\$1,014	\$2,034	\$103	\$678
Chicken	Solid	BR	Medium 3	MA	1	M	2	\$57,047	\$2,877	\$2,184	\$116	\$1,924
Chicken	Solid	BR	Medium 3	MA	2	H	8.9	\$64,824	\$1,732	\$1,769	\$51	\$772
Chicken	Solid	BR	Medium 3	MA	2	L	8.9	\$1,187	\$606	\$1,496	\$41	\$270
Chicken	Solid	BR	Medium 3	MA	2	M	17.7	\$58,492	\$1,720	\$1,646	\$46	\$766
Chicken	Solid	BR	Medium 3	MA	3	H	6.2	\$61,627	\$0	\$1,373	\$0	\$0
Chicken	Solid	BR	Medium 3	MA	3	L	6.2	\$425	\$0	\$1,126	\$0	\$0
Chicken	Solid	BR	Medium 3	MA	3	M	12.3	\$55,508	\$0	\$1,250	\$0	\$0
Chicken	Solid	BR	Medium 3	SO	1	H	1	\$62,714	\$4,011	\$2,822	\$203	\$3,051
Chicken	Solid	BR	Medium 3	SO	1	L	1	\$2,859	\$602	\$2,457	\$162	\$458
Chicken	Solid	BR	Medium 3	SO	1	M	2.1	\$56,759	\$3,950	\$2,696	\$183	\$3,005
Chicken	Solid	BR	Medium 3	SO	2	H	21.1	\$64,173	\$1,528	\$1,676	\$38	\$568
Chicken	Solid	BR	Medium 3	SO	2	L	21.1	\$995	\$229	\$1,311	\$30	\$85
Chicken	Solid	BR	Medium 3	SO	2	M	42.3	\$57,886	\$1,506	\$1,550	\$34	\$560
Chicken	Solid	BR	Medium 3	SO	3	H	7.9	\$63,173	\$0	\$1,373	\$0	\$0
Chicken	Solid	BR	Medium 3	SO	3	L	7.9	\$67	\$0	\$1,009	\$0	\$0
Chicken	Solid	BR	Medium 3	SO	3	M	15.9	\$56,894	\$0	\$1,248	\$0	\$0
Chicken	Solid	LA	Large 1	MW	1	H	7.5	\$56,177	\$11,460	\$5,873	\$700	\$10,500
Chicken	Solid	LA	Large 1	MW	1	L	7.5	\$8,191	\$0	\$1,644	\$560	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Large 1	MW	1	M	15	\$32,960	\$1,284	\$2,024	\$630	\$1,176
Chicken	Solid	LA	Large 1	MW	2	H	45.7	\$50,432	\$1,272	\$2,669	\$21	\$312
Chicken	Solid	LA	Large 1	MW	2	L	45.7	\$8,191	\$0	\$1,644	\$17	\$0
Chicken	Solid	LA	Large 1	MW	2	M	91.4	\$32,906	\$142	\$2,221	\$19	\$35
Chicken	Solid	LA	Large 1	MW	3	H	48.5	\$49,756	\$0	\$2,511	\$0	\$0
Chicken	Solid	LA	Large 1	MW	3	L	48.5	\$8,191	\$0	\$1,644	\$0	\$0
Chicken	Solid	LA	Large 1	MW	3	M	97	\$32,772	\$0	\$2,202	\$0	\$0
Chicken	Solid	LA	Large 1	SO	1	H	3.3	\$75,947	\$13,083	\$7,838	\$808	\$12,123
Chicken	Solid	LA	Large 1	SO	1	L	3.3	\$16,382	\$0	\$1,644	\$647	\$0
Chicken	Solid	LA	Large 1	SO	1	M	6.7	\$50,385	\$0	\$2,561	\$727	\$0
Chicken	Solid	LA	Large 1	SO	2	H	27.5	\$67,066	\$1,272	\$2,899	\$21	\$312
Chicken	Solid	LA	Large 1	SO	2	L	27.5	\$16,382	\$0	\$1,644	\$17	\$0
Chicken	Solid	LA	Large 1	SO	2	M	54.9	\$49,497	\$0	\$2,379	\$19	\$0
Chicken	Solid	LA	Large 1	SO	3	H	28.1	\$66,332	\$0	\$3,348	\$0	\$0
Chicken	Solid	LA	Large 1	SO	3	L	28.1	\$16,382	\$0	\$1,644	\$0	\$0
Chicken	Solid	LA	Large 1	SO	3	M	56.1	\$49,224	\$0	\$2,792	\$0	\$0
Chicken	Solid	LA	Large 2	MW	1	H	1.1	\$163,914	\$31,844	\$14,903	\$2,059	\$30,884
Chicken	Solid	LA	Large 2	MW	1	L	1.1	\$24,092	\$0	\$3,208	\$1,647	\$0
Chicken	Solid	LA	Large 2	MW	1	M	2.3	\$96,679	\$3,567	\$3,849	\$1,853	\$3,459
Chicken	Solid	LA	Large 2	MW	2	H	7	\$146,725	\$1,362	\$4,766	\$27	\$402
Chicken	Solid	LA	Large 2	MW	2	L	7	\$24,092	\$0	\$3,208	\$21	\$0
Chicken	Solid	LA	Large 2	MW	2	M	13.9	\$96,519	\$153	\$4,047	\$24	\$45
Chicken	Solid	LA	Large 2	MW	3	H	7.4	\$145,999	\$0	\$5,095	\$0	\$0
Chicken	Solid	LA	Large 2	MW	3	L	7.4	\$24,092	\$0	\$3,208	\$0	\$0
Chicken	Solid	LA	Large 2	MW	3	M	14.8	\$96,385	\$0	\$4,393	\$0	\$0
Chicken	Solid	LA	Large 2	SO	1	H	0.3	\$221,963	\$36,616	\$20,680	\$2,377	\$35,656
Chicken	Solid	LA	Large 2	SO	1	L	0.3	\$48,185	\$0	\$3,208	\$1,902	\$0
Chicken	Solid	LA	Large 2	SO	1	M	0.7	\$147,674	\$0	\$5,409	\$2,139	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Large 2	SO	2	H	2.9	\$195,457	\$1,362	\$5,067	\$27	\$402
Chicken	Solid	LA	Large 2	SO	2	L	2.9	\$48,185	\$0	\$3,208	\$21	\$0
Chicken	Solid	LA	Large 2	SO	2	M	5.7	\$145,023	\$0	\$4,250	\$24	\$0
Chicken	Solid	LA	Large 2	SO	3	H	2.9	\$194,655	\$0	\$7,554	\$0	\$0
Chicken	Solid	LA	Large 2	SO	3	L	2.9	\$48,185	\$0	\$3,208	\$0	\$0
Chicken	Solid	LA	Large 2	SO	3	M	5.9	\$144,743	\$0	\$6,127	\$0	\$0
Chicken	Solid	LA	Medium 1	MW	1	H	0.4	\$13,615	\$2,210	\$1,672	\$84	\$1,250
Chicken	Solid	LA	Medium 1	MW	1	L	0.4	\$2,029	\$0	\$852	\$67	\$0
Chicken	Solid	LA	Medium 1	MW	1	M	0.7	\$8,260	\$247	\$1,103	\$75	\$140
Chicken	Solid	LA	Medium 1	MW	2	H	1.1	\$13,229	\$1,526	\$1,577	\$38	\$566
Chicken	Solid	LA	Medium 1	MW	2	L	1.1	\$2,029	\$0	\$852	\$30	\$0
Chicken	Solid	LA	Medium 1	MW	2	M	2.2	\$8,257	\$171	\$1,201	\$34	\$63
Chicken	Solid	LA	Medium 1	MW	3	H	0.6	\$12,410	\$0	\$1,238	\$0	\$0
Chicken	Solid	LA	Medium 1	MW	3	L	0.6	\$2,029	\$0	\$852	\$0	\$0
Chicken	Solid	LA	Medium 1	MW	3	M	1.2	\$8,122	\$0	\$1,116	\$0	\$0
Chicken	Solid	LA	Medium 1	SO	1	H	0.3	\$18,103	\$2,379	\$1,896	\$95	\$1,419
Chicken	Solid	LA	Medium 1	SO	1	L	0.3	\$4,059	\$0	\$852	\$76	\$0
Chicken	Solid	LA	Medium 1	SO	1	M	0.5	\$12,560	\$0	\$1,175	\$85	\$0
Chicken	Solid	LA	Medium 1	SO	2	H	1.2	\$17,462	\$1,526	\$1,724	\$38	\$566
Chicken	Solid	LA	Medium 1	SO	2	L	1.2	\$4,059	\$0	\$852	\$30	\$0
Chicken	Solid	LA	Medium 1	SO	2	M	2.4	\$12,496	\$0	\$1,293	\$34	\$0
Chicken	Solid	LA	Medium 1	SO	3	H	0.6	\$16,536	\$0	\$1,342	\$0	\$0
Chicken	Solid	LA	Medium 1	SO	3	L	0.6	\$4,059	\$0	\$852	\$0	\$0
Chicken	Solid	LA	Medium 1	SO	3	M	1.2	\$12,204	\$0	\$1,189	\$0	\$0
Chicken	Solid	LA	Medium 2	MW	1	H	0.1	\$22,868	\$3,187	\$2,096	\$149	\$2,227
Chicken	Solid	LA	Medium 2	MW	1	L	0.1	\$3,474	\$0	\$920	\$119	\$0
Chicken	Solid	LA	Medium 2	MW	1	M	0.3	\$14,043	\$357	\$1,183	\$134	\$249
Chicken	Solid	LA	Medium 2	MW	2	H	0.5	\$22,203	\$2,008	\$1,914	\$70	\$1,048

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Medium 2	MW	2	L	0.5	\$3,474	\$0	\$920	\$56	\$0
Chicken	Solid	LA	Medium 2	MW	2	M	1	\$14,037	\$225	\$1,339	\$63	\$117
Chicken	Solid	LA	Medium 2	MW	3	H	0.4	\$21,113	\$0	\$1,352	\$0	\$0
Chicken	Solid	LA	Medium 2	MW	3	L	0.4	\$3,474	\$0	\$920	\$0	\$0
Chicken	Solid	LA	Medium 2	MW	3	M	0.9	\$13,899	\$0	\$1,212	\$0	\$0
Chicken	Solid	LA	Medium 2	SO	1	H	0.1	\$30,573	\$3,530	\$2,513	\$172	\$2,570
Chicken	Solid	LA	Medium 2	SO	1	L	0.1	\$6,947	\$0	\$920	\$137	\$0
Chicken	Solid	LA	Medium 2	SO	1	M	0.2	\$21,317	\$0	\$1,305	\$154	\$0
Chicken	Solid	LA	Medium 2	SO	2	H	0.5	\$29,428	\$2,008	\$2,171	\$70	\$1,048
Chicken	Solid	LA	Medium 2	SO	2	L	0.5	\$6,947	\$0	\$920	\$56	\$0
Chicken	Solid	LA	Medium 2	SO	2	M	0.9	\$21,202	\$0	\$1,489	\$63	\$0
Chicken	Solid	LA	Medium 2	SO	3	H	0.4	\$28,140	\$0	\$1,530	\$0	\$0
Chicken	Solid	LA	Medium 2	SO	3	L	0.4	\$6,947	\$0	\$920	\$0	\$0
Chicken	Solid	LA	Medium 2	SO	3	M	0.8	\$20,873	\$0	\$1,338	\$0	\$0
Chicken	Solid	LA	Medium 3	MW	1	H	0	\$28,911	\$3,793	\$2,391	\$189	\$2,833
Chicken	Solid	LA	Medium 3	MW	1	L	0	\$4,419	\$0	\$988	\$151	\$0
Chicken	Solid	LA	Medium 3	MW	1	M	0	\$17,830	\$425	\$1,261	\$170	\$318
Chicken	Solid	LA	Medium 3	MW	2	H	0.1	\$29,087	\$4,106	\$2,557	\$210	\$3,146
Chicken	Solid	LA	Medium 3	MW	2	L	0.1	\$4,419	\$0	\$988	\$168	\$0
Chicken	Solid	LA	Medium 3	MW	2	M	0.2	\$17,832	\$460	\$1,303	\$189	\$352
Chicken	Solid	LA	Medium 3	MW	3	H	0.1	\$26,813	\$0	\$1,455	\$0	\$0
Chicken	Solid	LA	Medium 3	MW	3	L	0.1	\$4,419	\$0	\$988	\$0	\$0
Chicken	Solid	LA	Medium 3	MW	3	M	0.2	\$17,683	\$0	\$1,302	\$0	\$0
Chicken	Solid	LA	Medium 3	SO	1	H	0	\$38,700	\$4,230	\$2,922	\$218	\$3,270
Chicken	Solid	LA	Medium 3	SO	1	L	0	\$8,839	\$0	\$988	\$175	\$0
Chicken	Solid	LA	Medium 3	SO	1	M	0	\$27,049	\$0	\$1,413	\$196	\$0
Chicken	Solid	LA	Medium 3	SO	2	H	0.1	\$38,821	\$4,392	\$3,080	\$229	\$3,432
Chicken	Solid	LA	Medium 3	SO	2	L	0.1	\$8,839	\$0	\$988	\$183	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Chicken	Solid	LA	Medium 3	SO	2	M	0.1	\$27,061	\$0	\$1,480	\$206	\$0
Chicken	Solid	LA	Medium 3	SO	3	H	0.1	\$35,741	\$0	\$1,682	\$0	\$0
Chicken	Solid	LA	Medium 3	SO	3	L	0.1	\$8,839	\$0	\$988	\$0	\$0
Chicken	Solid	LA	Medium 3	SO	3	M	0.1	\$26,552	\$0	\$1,460	\$0	\$0
Swine	Evapor	FF	Large 1	CE	1	H	4.3	\$100,539	\$2,085	\$4,140	\$75	\$1,125
Swine	Evapor	FF	Large 1	CE	1	L	4.3	\$107,538	\$0	\$3,966	\$60	\$0
Swine	Evapor	FF	Large 1	CE	1	M	8.6	\$100,007	\$1,172	\$4,005	\$67	\$632
Swine	Evapor	FF	Large 1	CE	2	H	9.7	\$134,195	\$1,887	\$6,796	\$62	\$927
Swine	Evapor	FF	Large 1	CE	2	L	9.7	\$133,636	\$0	\$6,423	\$49	\$0
Swine	Evapor	FF	Large 1	CE	2	M	19.5	\$133,669	\$1,061	\$6,665	\$55	\$522
Swine	Evapor	FF	Large 1	CE	3	H	5.5	\$187,786	\$0	\$8,404	\$0	\$0
Swine	Evapor	FF	Large 1	CE	3	L	5.5	\$187,755	\$0	\$8,050	\$0	\$0
Swine	Evapor	FF	Large 1	CE	3	M	11.1	\$187,757	\$0	\$8,292	\$0	\$0
Swine	Evapor	FF	Large 2	CE	1	H	3.1	\$235,910	\$3,783	\$8,004	\$188	\$2,823
Swine	Evapor	FF	Large 2	CE	1	L	3.1	\$247,302	\$0	\$7,918	\$151	\$0
Swine	Evapor	FF	Large 2	CE	1	M	6.2	\$235,327	\$2,126	\$7,838	\$169	\$1,586
Swine	Evapor	FF	Large 2	CE	2	H	7	\$371,311	\$3,736	\$16,922	\$185	\$2,776
Swine	Evapor	FF	Large 2	CE	2	L	7	\$370,696	\$0	\$16,515	\$148	\$0
Swine	Evapor	FF	Large 2	CE	2	M	14	\$370,729	\$2,099	\$16,757	\$166	\$1,560
Swine	Evapor	FF	Large 2	CE	3	H	4	\$1,197,059	\$0	\$47,546	\$0	\$0
Swine	Evapor	FF	Large 2	CE	3	L	4	\$1,197,028	\$0	\$47,192	\$0	\$0
Swine	Evapor	FF	Large 2	CE	3	M	7.9	\$1,197,030	\$0	\$47,434	\$0	\$0
Swine	Evapor	GF	Large 1	CE	1	H	4.4	\$100,539	\$2,085	\$4,140	\$75	\$1,125
Swine	Evapor	GF	Large 1	CE	1	L	4.4	\$107,538	\$0	\$3,966	\$60	\$0
Swine	Evapor	GF	Large 1	CE	1	M	8.9	\$100,007	\$1,172	\$4,005	\$67	\$632
Swine	Evapor	GF	Large 1	CE	2	H	10	\$134,195	\$1,887	\$6,796	\$62	\$927

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Evapor	GF	Large 1	CE	2	L	10	\$133,636	\$0	\$6,423	\$49	\$0
Swine	Evapor	GF	Large 1	CE	2	M	20	\$133,669	\$1,061	\$6,665	\$55	\$522
Swine	Evapor	GF	Large 1	CE	3	H	5.7	\$187,786	\$0	\$8,404	\$0	\$0
Swine	Evapor	GF	Large 1	CE	3	L	5.7	\$187,755	\$0	\$8,050	\$0	\$0
Swine	Evapor	GF	Large 1	CE	3	M	11.3	\$187,757	\$0	\$8,292	\$0	\$0
Swine	Evapor	GF	Large 2	CE	1	H	3.2	\$235,910	\$3,783	\$8,004	\$188	\$2,823
Swine	Evapor	GF	Large 2	CE	1	L	3.2	\$247,302	\$0	\$7,918	\$151	\$0
Swine	Evapor	GF	Large 2	CE	1	M	6.3	\$235,327	\$2,126	\$7,838	\$169	\$1,586
Swine	Evapor	GF	Large 2	CE	2	H	7.2	\$371,311	\$3,736	\$16,922	\$185	\$2,776
Swine	Evapor	GF	Large 2	CE	2	L	7.2	\$370,696	\$0	\$16,515	\$148	\$0
Swine	Evapor	GF	Large 2	CE	2	M	14.3	\$370,729	\$2,099	\$16,757	\$166	\$1,560
Swine	Evapor	GF	Large 2	CE	3	H	4.1	\$1,197,059	\$0	\$47,546	\$0	\$0
Swine	Evapor	GF	Large 2	CE	3	L	4.1	\$1,197,028	\$0	\$47,192	\$0	\$0
Swine	Evapor	GF	Large 2	CE	3	M	8.1	\$1,197,030	\$0	\$47,434	\$0	\$0
Swine	Liquid	FF	Large 1	MA	1	H	7.8	\$164,523	\$2,762	\$4,563	\$120	\$1,802
Swine	Liquid	FF	Large 1	MA	1	L	7.8	\$176,127	\$0	\$4,418	\$96	\$0
Swine	Liquid	FF	Large 1	MA	1	M	15.6	\$163,583	\$309	\$4,409	\$108	\$202
Swine	Liquid	FF	Large 1	MA	2	H	45.6	\$181,085	\$1,650	\$6,393	\$46	\$690
Swine	Liquid	FF	Large 1	MA	2	L	45.6	\$179,733	\$0	\$5,980	\$37	\$0
Swine	Liquid	FF	Large 1	MA	2	M	91.2	\$180,166	\$185	\$6,230	\$42	\$78
Swine	Liquid	FF	Large 1	MA	3	H	13.3	\$248,250	\$0	\$7,655	\$0	\$0
Swine	Liquid	FF	Large 1	MA	3	L	13.3	\$247,248	\$0	\$7,282	\$0	\$0
Swine	Liquid	FF	Large 1	MA	3	M	26.7	\$247,736	\$0	\$7,533	\$0	\$0
Swine	Liquid	FF	Large 1	MW	1	H	26.9	\$158,628	\$2,329	\$4,438	\$92	\$1,369
Swine	Liquid	FF	Large 1	MW	1	L	26.9	\$166,877	\$0	\$4,233	\$73	\$0
Swine	Liquid	FF	Large 1	MW	1	M	53.8	\$157,710	\$1,309	\$4,291	\$82	\$770

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Large 1	MW	2	H	26.8	\$138,748	\$2,170	\$5,703	\$81	\$1,210
Swine	Liquid	FF	Large 1	MW	2	L	26.8	\$137,493	\$0	\$5,311	\$64	\$0
Swine	Liquid	FF	Large 1	MW	2	M	53.7	\$137,870	\$1,219	\$5,560	\$73	\$680
Swine	Liquid	FF	Large 1	MW	3	H	22.5	\$251,878	\$0	\$7,740	\$0	\$0
Swine	Liquid	FF	Large 1	MW	3	L	22.5	\$250,869	\$0	\$7,366	\$0	\$0
Swine	Liquid	FF	Large 1	MW	3	M	45	\$251,359	\$0	\$7,618	\$0	\$0
Swine	Liquid	FF	Large 2	MA	1	H	5.6	\$391,692	\$5,954	\$9,164	\$333	\$4,994
Swine	Liquid	FF	Large 2	MA	1	L	5.6	\$411,461	\$0	\$9,125	\$266	\$0
Swine	Liquid	FF	Large 2	MA	1	M	11.2	\$390,428	\$667	\$8,946	\$300	\$560
Swine	Liquid	FF	Large 2	MA	2	H	32.7	\$456,725	\$3,026	\$14,958	\$138	\$2,066
Swine	Liquid	FF	Large 2	MA	2	L	32.7	\$454,826	\$0	\$14,451	\$110	\$0
Swine	Liquid	FF	Large 2	MA	2	M	65.4	\$455,512	\$339	\$14,706	\$124	\$232
Swine	Liquid	FF	Large 2	MA	3	H	9.6	\$730,275	\$0	\$20,715	\$0	\$0
Swine	Liquid	FF	Large 2	MA	3	L	9.6	\$728,553	\$0	\$20,328	\$0	\$0
Swine	Liquid	FF	Large 2	MA	3	M	19.1	\$729,400	\$0	\$20,587	\$0	\$0
Swine	Liquid	FF	Large 2	MW	1	H	19.3	\$302,695	\$3,893	\$7,347	\$195	\$2,933
Swine	Liquid	FF	Large 2	MW	1	L	19.3	\$315,420	\$0	\$7,204	\$157	\$0
Swine	Liquid	FF	Large 2	MW	1	M	38.6	\$301,570	\$2,188	\$7,169	\$176	\$1,648
Swine	Liquid	FF	Large 2	MW	2	H	19.2	\$359,689	\$4,766	\$13,948	\$254	\$3,806
Swine	Liquid	FF	Large 2	MW	2	L	19.2	\$357,890	\$0	\$13,499	\$203	\$0
Swine	Liquid	FF	Large 2	MW	2	M	38.5	\$358,500	\$2,679	\$13,753	\$228	\$2,139
Swine	Liquid	FF	Large 2	MW	3	H	16.1	\$814,154	\$0	\$22,948	\$0	\$0
Swine	Liquid	FF	Large 2	MW	3	L	16.1	\$812,338	\$0	\$22,559	\$0	\$0
Swine	Liquid	FF	Large 2	MW	3	M	32.3	\$813,233	\$0	\$22,818	\$0	\$0
Swine	Liquid	FF	Medium 1	MA	1	H	5.5	\$66,343	\$1,783	\$2,833	\$55	\$823
Swine	Liquid	FF	Medium 1	MA	1	L	5.5	\$71,584	\$89	\$2,742	\$44	\$41
Swine	Liquid	FF	Medium 1	MA	1	M	10.9	\$66,343	\$1,741	\$2,735	\$49	\$804
Swine	Liquid	FF	Medium 1	MA	2	H	3.5	\$55,893	\$1,559	\$3,177	\$40	\$599

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Medium 1	MA	2	L	3.5	\$55,893	\$78	\$2,718	\$32	\$30
Swine	Liquid	FF	Medium 1	MA	2	M	7	\$55,893	\$1,524	\$2,816	\$36	\$586
Swine	Liquid	FF	Medium 1	MA	3	H	2.1	\$69,664	\$0	\$2,813	\$0	\$0
Swine	Liquid	FF	Medium 1	MA	3	L	2.1	\$69,664	\$0	\$2,617	\$0	\$0
Swine	Liquid	FF	Medium 1	MA	3	M	4.2	\$69,664	\$0	\$2,715	\$0	\$0
Swine	Liquid	FF	Medium 1	MW	1	H	41.1	\$65,151	\$1,511	\$2,687	\$37	\$551
Swine	Liquid	FF	Medium 1	MW	1	L	41.1	\$69,567	\$906	\$2,579	\$30	\$330
Swine	Liquid	FF	Medium 1	MW	1	M	82.2	\$65,151	\$1,490	\$2,589	\$33	\$543
Swine	Liquid	FF	Medium 1	MW	2	H	7.4	\$54,141	\$1,585	\$2,950	\$42	\$625
Swine	Liquid	FF	Medium 1	MW	2	L	7.4	\$54,141	\$951	\$2,754	\$34	\$375
Swine	Liquid	FF	Medium 1	MW	2	M	14.7	\$54,141	\$1,563	\$2,852	\$37	\$616
Swine	Liquid	FF	Medium 1	MW	3	H	6.8	\$69,648	\$0	\$2,818	\$0	\$0
Swine	Liquid	FF	Medium 1	MW	3	L	6.8	\$69,648	\$0	\$2,622	\$0	\$0
Swine	Liquid	FF	Medium 1	MW	3	M	13.6	\$69,648	\$0	\$2,720	\$0	\$0
Swine	Liquid	FF	Medium 2	MA	1	H	2.2	\$89,764	\$2,130	\$3,457	\$78	\$1,170
Swine	Liquid	FF	Medium 2	MA	1	L	2.2	\$97,026	\$106	\$3,406	\$63	\$58
Swine	Liquid	FF	Medium 2	MA	1	M	4.4	\$89,764	\$2,081	\$3,359	\$70	\$1,143
Swine	Liquid	FF	Medium 2	MA	2	H	3.9	\$74,207	\$1,469	\$3,895	\$34	\$509
Swine	Liquid	FF	Medium 2	MA	2	L	3.9	\$74,207	\$73	\$3,212	\$27	\$25
Swine	Liquid	FF	Medium 2	MA	2	M	7.8	\$74,207	\$1,435	\$3,311	\$31	\$497
Swine	Liquid	FF	Medium 2	MA	3	H	1.7	\$94,072	\$0	\$3,462	\$0	\$0
Swine	Liquid	FF	Medium 2	MA	3	L	1.7	\$94,072	\$0	\$3,266	\$0	\$0
Swine	Liquid	FF	Medium 2	MA	3	M	3.5	\$94,072	\$0	\$3,364	\$0	\$0
Swine	Liquid	FF	Medium 2	MW	1	H	15.1	\$87,643	\$1,766	\$3,252	\$54	\$806
Swine	Liquid	FF	Medium 2	MW	1	L	15.1	\$93,487	\$1,060	\$3,172	\$43	\$484
Swine	Liquid	FF	Medium 2	MW	1	M	30.3	\$87,643	\$1,742	\$3,154	\$48	\$796
Swine	Liquid	FF	Medium 2	MW	2	H	5.5	\$71,411	\$1,834	\$3,728	\$58	\$874
Swine	Liquid	FF	Medium 2	MW	2	L	5.5	\$71,411	\$1,100	\$3,532	\$47	\$524

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	FF	Medium 2	MW	2	M	11.1	\$71,411	\$1,808	\$3,630	\$53	\$861
Swine	Liquid	FF	Medium 2	MW	3	H	3.7	\$96,235	\$0	\$3,527	\$0	\$0
Swine	Liquid	FF	Medium 2	MW	3	L	3.7	\$96,235	\$0	\$3,331	\$0	\$0
Swine	Liquid	FF	Medium 2	MW	3	M	7.3	\$96,235	\$0	\$3,429	\$0	\$0
Swine	Liquid	FF	Medium 3	MA	1	H	1.1	\$115,948	\$2,596	\$4,189	\$109	\$1,636
Swine	Liquid	FF	Medium 3	MA	1	L	1.1	\$124,408	\$130	\$4,162	\$88	\$82
Swine	Liquid	FF	Medium 3	MA	1	M	2.1	\$115,948	\$2,536	\$4,091	\$98	\$1,598
Swine	Liquid	FF	Medium 3	MA	2	H	1.9	\$94,301	\$1,667	\$4,791	\$47	\$707
Swine	Liquid	FF	Medium 3	MA	2	L	1.9	\$94,301	\$84	\$3,920	\$37	\$36
Swine	Liquid	FF	Medium 3	MA	2	M	3.8	\$94,301	\$1,628	\$4,019	\$42	\$690
Swine	Liquid	FF	Medium 3	MA	3	H	0.8	\$121,641	\$0	\$4,197	\$0	\$0
Swine	Liquid	FF	Medium 3	MA	3	L	0.8	\$121,641	\$0	\$4,001	\$0	\$0
Swine	Liquid	FF	Medium 3	MA	3	M	1.7	\$121,641	\$0	\$4,099	\$0	\$0
Swine	Liquid	FF	Medium 3	MW	1	H	7.4	\$115,361	\$2,117	\$3,963	\$77	\$1,157
Swine	Liquid	FF	Medium 3	MW	1	L	7.4	\$122,248	\$1,270	\$3,904	\$62	\$694
Swine	Liquid	FF	Medium 3	MW	1	M	14.7	\$115,361	\$2,087	\$3,865	\$69	\$1,141
Swine	Liquid	FF	Medium 3	MW	2	H	2.7	\$90,485	\$2,174	\$4,562	\$81	\$1,214
Swine	Liquid	FF	Medium 3	MW	2	L	2.7	\$90,485	\$1,305	\$4,366	\$64	\$729
Swine	Liquid	FF	Medium 3	MW	2	M	5.4	\$90,485	\$2,143	\$4,464	\$73	\$1,197
Swine	Liquid	FF	Medium 3	MW	3	H	1.8	\$124,615	\$0	\$4,286	\$0	\$0
Swine	Liquid	FF	Medium 3	MW	3	L	1.8	\$124,615	\$0	\$4,090	\$0	\$0
Swine	Liquid	FF	Medium 3	MW	3	M	3.6	\$124,615	\$0	\$4,188	\$0	\$0
Swine	Liquid	GF	Large 1	MA	1	H	6.6	\$164,523	\$2,762	\$4,563	\$120	\$1,802
Swine	Liquid	GF	Large 1	MA	1	L	6.6	\$176,127	\$0	\$4,418	\$96	\$0
Swine	Liquid	GF	Large 1	MA	1	M	13.1	\$163,583	\$309	\$4,409	\$108	\$202
Swine	Liquid	GF	Large 1	MA	2	H	38.4	\$181,085	\$1,650	\$6,393	\$46	\$690
Swine	Liquid	GF	Large 1	MA	2	L	38.4	\$179,733	\$0	\$5,980	\$37	\$0
Swine	Liquid	GF	Large 1	MA	2	M	76.7	\$180,166	\$185	\$6,230	\$42	\$78

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	GF	Large 1	MA	3	H	11.2	\$248,250	\$0	\$7,655	\$0	\$0
Swine	Liquid	GF	Large 1	MA	3	L	11.2	\$247,248	\$0	\$7,282	\$0	\$0
Swine	Liquid	GF	Large 1	MA	3	M	22.5	\$247,736	\$0	\$7,533	\$0	\$0
Swine	Liquid	GF	Large 1	MW	1	H	18.5	\$158,628	\$2,329	\$4,438	\$92	\$1,369
Swine	Liquid	GF	Large 1	MW	1	L	18.5	\$166,877	\$0	\$4,233	\$73	\$0
Swine	Liquid	GF	Large 1	MW	1	M	37.1	\$157,710	\$1,309	\$4,291	\$82	\$770
Swine	Liquid	GF	Large 1	MW	2	H	18.5	\$138,748	\$2,170	\$5,703	\$81	\$1,210
Swine	Liquid	GF	Large 1	MW	2	L	18.5	\$137,493	\$0	\$5,311	\$64	\$0
Swine	Liquid	GF	Large 1	MW	2	M	36.9	\$137,870	\$1,219	\$5,560	\$73	\$680
Swine	Liquid	GF	Large 1	MW	3	H	15.5	\$251,878	\$0	\$7,740	\$0	\$0
Swine	Liquid	GF	Large 1	MW	3	L	15.5	\$250,869	\$0	\$7,366	\$0	\$0
Swine	Liquid	GF	Large 1	MW	3	M	31	\$251,359	\$0	\$7,618	\$0	\$0
Swine	Liquid	GF	Large 2	MA	1	H	4.7	\$391,692	\$5,954	\$9,164	\$333	\$4,994
Swine	Liquid	GF	Large 2	MA	1	L	4.7	\$411,461	\$0	\$9,125	\$266	\$0
Swine	Liquid	GF	Large 2	MA	1	M	9.4	\$390,428	\$667	\$8,946	\$300	\$560
Swine	Liquid	GF	Large 2	MA	2	H	27.5	\$456,725	\$3,026	\$14,958	\$138	\$2,066
Swine	Liquid	GF	Large 2	MA	2	L	27.5	\$454,826	\$0	\$14,451	\$110	\$0
Swine	Liquid	GF	Large 2	MA	2	M	55	\$455,512	\$339	\$14,706	\$124	\$232
Swine	Liquid	GF	Large 2	MA	3	H	8.1	\$730,275	\$0	\$20,715	\$0	\$0
Swine	Liquid	GF	Large 2	MA	3	L	8.1	\$728,553	\$0	\$20,328	\$0	\$0
Swine	Liquid	GF	Large 2	MA	3	M	16.1	\$729,400	\$0	\$20,587	\$0	\$0
Swine	Liquid	GF	Large 2	MW	1	H	13.3	\$302,695	\$3,893	\$7,347	\$195	\$2,933
Swine	Liquid	GF	Large 2	MW	1	L	13.3	\$315,420	\$0	\$7,204	\$157	\$0
Swine	Liquid	GF	Large 2	MW	1	M	26.6	\$301,570	\$2,188	\$7,169	\$176	\$1,648
Swine	Liquid	GF	Large 2	MW	2	H	13.2	\$359,689	\$4,766	\$13,948	\$254	\$3,806
Swine	Liquid	GF	Large 2	MW	2	L	13.2	\$357,890	\$0	\$13,499	\$203	\$0
Swine	Liquid	GF	Large 2	MW	2	M	26.5	\$358,500	\$2,679	\$13,753	\$228	\$2,139
Swine	Liquid	GF	Large 2	MW	3	H	11.1	\$814,154	\$0	\$22,948	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	GF	Large 2	MW	3	L	11.1	\$812,338	\$0	\$22,559	\$0	\$0
Swine	Liquid	GF	Large 2	MW	3	M	22.2	\$813,233	\$0	\$22,818	\$0	\$0
Swine	Liquid	GF	Medium 1	MA	1	H	2.5	\$66,343	\$1,783	\$2,833	\$55	\$823
Swine	Liquid	GF	Medium 1	MA	1	L	2.5	\$71,584	\$89	\$2,742	\$44	\$41
Swine	Liquid	GF	Medium 1	MA	1	M	5.1	\$66,343	\$1,741	\$2,735	\$49	\$804
Swine	Liquid	GF	Medium 1	MA	2	H	1.6	\$55,893	\$1,559	\$3,168	\$40	\$599
Swine	Liquid	GF	Medium 1	MA	2	L	1.6	\$55,893	\$78	\$2,718	\$32	\$30
Swine	Liquid	GF	Medium 1	MA	2	M	3.2	\$55,893	\$1,524	\$2,816	\$36	\$586
Swine	Liquid	GF	Medium 1	MA	3	H	1	\$69,664	\$0	\$2,813	\$0	\$0
Swine	Liquid	GF	Medium 1	MA	3	L	1	\$69,664	\$0	\$2,617	\$0	\$0
Swine	Liquid	GF	Medium 1	MA	3	M	1.9	\$69,664	\$0	\$2,715	\$0	\$0
Swine	Liquid	GF	Medium 1	MW	1	H	15.8	\$65,151	\$1,511	\$2,687	\$37	\$551
Swine	Liquid	GF	Medium 1	MW	1	L	15.8	\$69,567	\$906	\$2,579	\$30	\$330
Swine	Liquid	GF	Medium 1	MW	1	M	31.7	\$65,151	\$1,490	\$2,589	\$33	\$543
Swine	Liquid	GF	Medium 1	MW	2	H	2.8	\$54,141	\$1,585	\$3,084	\$42	\$625
Swine	Liquid	GF	Medium 1	MW	2	L	2.8	\$54,141	\$951	\$2,888	\$34	\$375
Swine	Liquid	GF	Medium 1	MW	2	M	5.7	\$54,141	\$1,563	\$2,986	\$37	\$616
Swine	Liquid	GF	Medium 1	MW	3	H	2.6	\$69,648	\$0	\$2,818	\$0	\$0
Swine	Liquid	GF	Medium 1	MW	3	L	2.6	\$69,648	\$0	\$2,622	\$0	\$0
Swine	Liquid	GF	Medium 1	MW	3	M	5.2	\$69,648	\$0	\$2,720	\$0	\$0
Swine	Liquid	GF	Medium 2	MA	1	H	1.3	\$89,764	\$2,130	\$3,457	\$78	\$1,170
Swine	Liquid	GF	Medium 2	MA	1	L	1.3	\$97,026	\$106	\$3,406	\$63	\$58
Swine	Liquid	GF	Medium 2	MA	1	M	2.6	\$89,764	\$2,081	\$3,359	\$70	\$1,143
Swine	Liquid	GF	Medium 2	MA	2	H	2.3	\$74,207	\$1,469	\$3,877	\$34	\$509
Swine	Liquid	GF	Medium 2	MA	2	L	2.3	\$74,207	\$73	\$3,212	\$27	\$25
Swine	Liquid	GF	Medium 2	MA	2	M	4.6	\$74,207	\$1,435	\$3,310	\$31	\$497
Swine	Liquid	GF	Medium 2	MA	3	H	1	\$94,072	\$0	\$3,462	\$0	\$0
Swine	Liquid	GF	Medium 2	MA	3	L	1	\$94,072	\$0	\$3,266	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Liquid	GF	Medium 2	MA	3	M	2.1	\$94,072	\$0	\$3,364	\$0	\$0
Swine	Liquid	GF	Medium 2	MW	1	H	7.4	\$87,643	\$1,766	\$3,252	\$54	\$806
Swine	Liquid	GF	Medium 2	MW	1	L	7.4	\$93,487	\$1,060	\$3,172	\$43	\$484
Swine	Liquid	GF	Medium 2	MW	1	M	14.9	\$87,643	\$1,742	\$3,154	\$48	\$796
Swine	Liquid	GF	Medium 2	MW	2	H	2.7	\$71,411	\$1,834	\$3,931	\$58	\$874
Swine	Liquid	GF	Medium 2	MW	2	L	2.7	\$71,411	\$1,100	\$3,735	\$47	\$524
Swine	Liquid	GF	Medium 2	MW	2	M	5.4	\$71,411	\$1,808	\$3,833	\$53	\$861
Swine	Liquid	GF	Medium 2	MW	3	H	1.8	\$96,235	\$0	\$3,527	\$0	\$0
Swine	Liquid	GF	Medium 2	MW	3	L	1.8	\$96,235	\$0	\$3,331	\$0	\$0
Swine	Liquid	GF	Medium 2	MW	3	M	3.6	\$96,235	\$0	\$3,429	\$0	\$0
Swine	Liquid	GF	Medium 3	MA	1	H	0.8	\$115,948	\$2,596	\$4,189	\$109	\$1,636
Swine	Liquid	GF	Medium 3	MA	1	L	0.8	\$124,408	\$130	\$4,162	\$88	\$82
Swine	Liquid	GF	Medium 3	MA	1	M	1.5	\$115,948	\$2,536	\$4,091	\$98	\$1,598
Swine	Liquid	GF	Medium 3	MA	2	H	1.4	\$94,301	\$1,667	\$4,767	\$47	\$707
Swine	Liquid	GF	Medium 3	MA	2	L	1.4	\$94,301	\$84	\$3,920	\$37	\$36
Swine	Liquid	GF	Medium 3	MA	2	M	2.8	\$94,301	\$1,628	\$4,018	\$42	\$690
Swine	Liquid	GF	Medium 3	MA	3	H	0.6	\$121,641	\$0	\$4,197	\$0	\$0
Swine	Liquid	GF	Medium 3	MA	3	L	0.6	\$121,641	\$0	\$4,001	\$0	\$0
Swine	Liquid	GF	Medium 3	MA	3	M	1.2	\$121,641	\$0	\$4,099	\$0	\$0
Swine	Liquid	GF	Medium 3	MW	1	H	4.4	\$115,361	\$2,117	\$3,963	\$77	\$1,157
Swine	Liquid	GF	Medium 3	MW	1	L	4.4	\$122,248	\$1,270	\$3,904	\$62	\$694
Swine	Liquid	GF	Medium 3	MW	1	M	8.8	\$115,361	\$2,087	\$3,865	\$69	\$1,141
Swine	Liquid	GF	Medium 3	MW	2	H	1.6	\$90,485	\$2,174	\$4,844	\$81	\$1,214
Swine	Liquid	GF	Medium 3	MW	2	L	1.6	\$90,485	\$1,305	\$4,648	\$64	\$729
Swine	Liquid	GF	Medium 3	MW	2	M	3.2	\$90,485	\$2,143	\$4,746	\$73	\$1,197
Swine	Liquid	GF	Medium 3	MW	3	H	1.1	\$124,615	\$0	\$4,286	\$0	\$0
Swine	Liquid	GF	Medium 3	MW	3	L	1.1	\$124,615	\$0	\$4,090	\$0	\$0
Swine	Liquid	GF	Medium 3	MW	3	M	2.1	\$124,615	\$0	\$4,188	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Large 1	MA	1	H	2.5	\$39,795	\$2,259	\$2,060	\$86	\$1,299
Swine	Pit	FF	Large 1	MA	1	L	2.5	\$39,226	\$0	\$1,681	\$69	\$0
Swine	Pit	FF	Large 1	MA	1	M	4.9	\$39,258	\$253	\$1,923	\$78	\$146
Swine	Pit	FF	Large 1	MA	2	H	14.3	\$46,494	\$1,650	\$13,274	\$46	\$690
Swine	Pit	FF	Large 1	MA	2	L	14.3	\$45,944	\$0	\$12,888	\$37	\$0
Swine	Pit	FF	Large 1	MA	2	M	28.6	\$45,977	\$185	\$13,130	\$42	\$78
Swine	Pit	FF	Large 1	MA	3	H	4.2	\$30	\$0	\$30,027	\$0	\$0
Swine	Pit	FF	Large 1	MA	3	L	4.2	\$0	\$0	\$29,673	\$0	\$0
Swine	Pit	FF	Large 1	MA	3	M	8.4	\$2	\$0	\$29,915	\$0	\$0
Swine	Pit	FF	Large 1	MW	1	H	34.8	\$39,286	\$2,110	\$2,047	\$77	\$1,150
Swine	Pit	FF	Large 1	MW	1	L	34.8	\$38,722	\$0	\$1,671	\$62	\$0
Swine	Pit	FF	Large 1	MW	1	M	69.6	\$38,755	\$1,186	\$1,913	\$69	\$646
Swine	Pit	FF	Large 1	MW	2	H	34.7	\$41,303	\$2,166	\$8,161	\$80	\$1,206
Swine	Pit	FF	Large 1	MW	2	L	34.7	\$40,737	\$0	\$7,783	\$64	\$0
Swine	Pit	FF	Large 1	MW	2	M	69.4	\$40,770	\$1,217	\$8,025	\$73	\$678
Swine	Pit	FF	Large 1	MW	3	H	29.1	\$30	\$0	\$12,095	\$0	\$0
Swine	Pit	FF	Large 1	MW	3	L	29.1	\$0	\$0	\$11,741	\$0	\$0
Swine	Pit	FF	Large 1	MW	3	M	58.2	\$2	\$0	\$11,983	\$0	\$0
Swine	Pit	FF	Large 2	MA	1	H	1.8	\$59,662	\$4,473	\$2,497	\$235	\$3,513
Swine	Pit	FF	Large 2	MA	1	L	1.8	\$59,027	\$0	\$2,077	\$187	\$0
Swine	Pit	FF	Large 2	MA	1	M	3.5	\$59,060	\$501	\$2,319	\$211	\$393
Swine	Pit	FF	Large 2	MA	2	H	10.3	\$81,166	\$3,026	\$36,101	\$138	\$2,066
Swine	Pit	FF	Large 2	MA	2	L	10.3	\$80,574	\$0	\$35,655	\$110	\$0
Swine	Pit	FF	Large 2	MA	2	M	20.5	\$80,607	\$339	\$35,897	\$124	\$232
Swine	Pit	FF	Large 2	MA	3	H	3	\$30	\$0	\$98,409	\$0	\$0
Swine	Pit	FF	Large 2	MA	3	L	3	\$0	\$0	\$98,055	\$0	\$0
Swine	Pit	FF	Large 2	MA	3	M	6	\$2	\$0	\$98,297	\$0	\$0
Swine	Pit	FF	Large 2	MW	1	H	25	\$51,818	\$3,375	\$2,320	\$161	\$2,415

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Large 2	MW	1	L	25	\$51,215	\$0	\$1,920	\$129	\$0
Swine	Pit	FF	Large 2	MW	1	M	50	\$51,248	\$1,897	\$2,162	\$145	\$1,357
Swine	Pit	FF	Large 2	MW	2	H	24.9	\$68,936	\$4,752	\$8,875	\$253	\$3,792
Swine	Pit	FF	Large 2	MW	2	L	24.9	\$68,292	\$0	\$8,449	\$203	\$0
Swine	Pit	FF	Large 2	MW	2	M	49.8	\$68,325	\$2,671	\$8,691	\$227	\$2,131
Swine	Pit	FF	Large 2	MW	3	H	20.9	\$30	\$0	\$41,710	\$0	\$0
Swine	Pit	FF	Large 2	MW	3	L	20.9	\$0	\$0	\$41,356	\$0	\$0
Swine	Pit	FF	Large 2	MW	3	M	41.7	\$2	\$0	\$41,598	\$0	\$0
Swine	Pit	FF	Medium 1	MA	1	H	0.9	\$18,230	\$1,670	\$1,821	\$47	\$710
Swine	Pit	FF	Medium 1	MA	1	L	0.9	\$18,230	\$84	\$1,625	\$38	\$36
Swine	Pit	FF	Medium 1	MA	1	M	1.8	\$18,230	\$1,631	\$1,723	\$42	\$693
Swine	Pit	FF	Medium 1	MA	2	H	0.6	\$18,532	\$1,559	\$3,879	\$40	\$599
Swine	Pit	FF	Medium 1	MA	2	L	0.6	\$18,532	\$78	\$3,683	\$32	\$30
Swine	Pit	FF	Medium 1	MA	2	M	1.2	\$18,532	\$1,524	\$3,781	\$36	\$586
Swine	Pit	FF	Medium 1	MA	3	H	0.4	\$30	\$0	\$7,301	\$0	\$0
Swine	Pit	FF	Medium 1	MA	3	L	0.4	\$30	\$0	\$7,105	\$0	\$0
Swine	Pit	FF	Medium 1	MA	3	M	0.7	\$30	\$0	\$7,203	\$0	\$0
Swine	Pit	FF	Medium 1	MW	1	H	50	\$17,987	\$1,453	\$1,720	\$33	\$493
Swine	Pit	FF	Medium 1	MW	1	L	50	\$17,987	\$872	\$1,524	\$27	\$296
Swine	Pit	FF	Medium 1	MW	1	M	100	\$17,987	\$1,433	\$1,622	\$30	\$487
Swine	Pit	FF	Medium 1	MW	2	H	9	\$18,345	\$1,585	\$2,188	\$42	\$625
Swine	Pit	FF	Medium 1	MW	2	L	9	\$18,345	\$951	\$1,992	\$34	\$375
Swine	Pit	FF	Medium 1	MW	2	M	17.9	\$18,345	\$1,563	\$2,090	\$37	\$616
Swine	Pit	FF	Medium 1	MW	3	H	8.3	\$30	\$0	\$3,463	\$0	\$0
Swine	Pit	FF	Medium 1	MW	3	L	8.3	\$30	\$0	\$3,267	\$0	\$0
Swine	Pit	FF	Medium 1	MW	3	M	16.5	\$30	\$0	\$3,365	\$0	\$0
Swine	Pit	FF	Medium 2	MA	1	H	0.4	\$20,346	\$1,933	\$1,981	\$65	\$973
Swine	Pit	FF	Medium 2	MA	1	L	0.4	\$20,346	\$97	\$1,785	\$52	\$49

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Medium 2	MA	1	M	0.7	\$20,346	\$1,889	\$1,883	\$58	\$951
Swine	Pit	FF	Medium 2	MA	2	H	0.7	\$20,623	\$1,469	\$5,542	\$34	\$509
Swine	Pit	FF	Medium 2	MA	2	L	0.7	\$20,623	\$73	\$5,212	\$27	\$25
Swine	Pit	FF	Medium 2	MA	2	M	1.3	\$20,623	\$1,435	\$5,310	\$31	\$497
Swine	Pit	FF	Medium 2	MA	3	H	0.3	\$30	\$0	\$10,521	\$0	\$0
Swine	Pit	FF	Medium 2	MA	3	L	0.3	\$30	\$0	\$10,325	\$0	\$0
Swine	Pit	FF	Medium 2	MA	3	M	0.6	\$30	\$0	\$10,423	\$0	\$0
Swine	Pit	FF	Medium 2	MW	1	H	18.4	\$19,995	\$1,671	\$1,857	\$47	\$711
Swine	Pit	FF	Medium 2	MW	1	L	18.4	\$19,995	\$1,003	\$1,661	\$38	\$427
Swine	Pit	FF	Medium 2	MW	1	M	36.9	\$19,995	\$1,648	\$1,759	\$43	\$701
Swine	Pit	FF	Medium 2	MW	2	H	6.7	\$20,531	\$1,832	\$2,549	\$58	\$872
Swine	Pit	FF	Medium 2	MW	2	L	6.7	\$20,531	\$1,099	\$2,353	\$46	\$523
Swine	Pit	FF	Medium 2	MW	2	M	13.5	\$20,531	\$1,806	\$2,451	\$53	\$859
Swine	Pit	FF	Medium 2	MW	3	H	4.5	\$30	\$0	\$4,782	\$0	\$0
Swine	Pit	FF	Medium 2	MW	3	L	4.5	\$30	\$0	\$4,586	\$0	\$0
Swine	Pit	FF	Medium 2	MW	3	M	8.9	\$30	\$0	\$4,684	\$0	\$0
Swine	Pit	FF	Medium 3	MA	1	H	0.2	\$22,814	\$2,322	\$2,204	\$91	\$1,362
Swine	Pit	FF	Medium 3	MA	1	L	0.2	\$22,814	\$116	\$2,008	\$73	\$68
Swine	Pit	FF	Medium 3	MA	1	M	0.4	\$22,814	\$2,269	\$2,106	\$82	\$1,331
Swine	Pit	FF	Medium 3	MA	2	H	0.3	\$23,159	\$1,667	\$7,146	\$47	\$707
Swine	Pit	FF	Medium 3	MA	2	L	0.3	\$23,159	\$84	\$6,763	\$37	\$36
Swine	Pit	FF	Medium 3	MA	2	M	0.6	\$23,159	\$1,628	\$6,861	\$42	\$690
Swine	Pit	FF	Medium 3	MA	3	H	0.1	\$30	\$0	\$14,190	\$0	\$0
Swine	Pit	FF	Medium 3	MA	3	L	0.1	\$30	\$0	\$13,994	\$0	\$0
Swine	Pit	FF	Medium 3	MA	3	M	0.3	\$30	\$0	\$14,092	\$0	\$0
Swine	Pit	FF	Medium 3	MW	1	H	9	\$22,539	\$1,981	\$2,047	\$68	\$1,021
Swine	Pit	FF	Medium 3	MW	1	L	9	\$22,539	\$1,189	\$1,851	\$54	\$613
Swine	Pit	FF	Medium 3	MW	1	M	17.9	\$22,539	\$1,954	\$1,949	\$61	\$1,007

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	FF	Medium 3	MW	2	H	3.3	\$23,032	\$2,171	\$2,987	\$81	\$1,211
Swine	Pit	FF	Medium 3	MW	2	L	3.3	\$23,032	\$1,302	\$2,791	\$64	\$726
Swine	Pit	FF	Medium 3	MW	2	M	6.6	\$23,032	\$2,140	\$2,889	\$73	\$1,194
Swine	Pit	FF	Medium 3	MW	3	H	2.2	\$30	\$0	\$6,216	\$0	\$0
Swine	Pit	FF	Medium 3	MW	3	L	2.2	\$30	\$0	\$6,020	\$0	\$0
Swine	Pit	FF	Medium 3	MW	3	M	4.3	\$30	\$0	\$6,118	\$0	\$0
Swine	Pit	GF	Large 1	MA	1	H	3.9	\$39,795	\$2,259	\$2,060	\$86	\$1,299
Swine	Pit	GF	Large 1	MA	1	L	3.9	\$39,226	\$0	\$1,681	\$69	\$0
Swine	Pit	GF	Large 1	MA	1	M	7.9	\$39,258	\$253	\$1,923	\$78	\$146
Swine	Pit	GF	Large 1	MA	2	H	23	\$46,494	\$1,650	\$16,668	\$46	\$690
Swine	Pit	GF	Large 1	MA	2	L	23	\$45,944	\$0	\$16,281	\$37	\$0
Swine	Pit	GF	Large 1	MA	2	M	46	\$45,977	\$185	\$16,523	\$42	\$78
Swine	Pit	GF	Large 1	MA	3	H	6.7	\$30	\$0	\$30,027	\$0	\$0
Swine	Pit	GF	Large 1	MA	3	L	6.7	\$0	\$0	\$29,673	\$0	\$0
Swine	Pit	GF	Large 1	MA	3	M	13.5	\$2	\$0	\$29,915	\$0	\$0
Swine	Pit	GF	Large 1	MW	1	H	44.7	\$39,286	\$2,110	\$2,047	\$77	\$1,150
Swine	Pit	GF	Large 1	MW	1	L	44.7	\$38,722	\$0	\$1,671	\$62	\$0
Swine	Pit	GF	Large 1	MW	1	M	89.4	\$38,755	\$1,186	\$1,913	\$69	\$646
Swine	Pit	GF	Large 1	MW	2	H	44.6	\$41,303	\$2,166	\$9,939	\$80	\$1,206
Swine	Pit	GF	Large 1	MW	2	L	44.6	\$40,737	\$0	\$9,560	\$64	\$0
Swine	Pit	GF	Large 1	MW	2	M	89.1	\$40,770	\$1,217	\$9,802	\$73	\$678
Swine	Pit	GF	Large 1	MW	3	H	37.4	\$30	\$0	\$12,095	\$0	\$0
Swine	Pit	GF	Large 1	MW	3	L	37.4	\$0	\$0	\$11,741	\$0	\$0
Swine	Pit	GF	Large 1	MW	3	M	74.7	\$2	\$0	\$11,983	\$0	\$0
Swine	Pit	GF	Large 2	MA	1	H	2.8	\$59,662	\$4,473	\$2,497	\$235	\$3,513
Swine	Pit	GF	Large 2	MA	1	L	2.8	\$59,027	\$0	\$2,077	\$187	\$0
Swine	Pit	GF	Large 2	MA	1	M	5.7	\$59,060	\$501	\$2,319	\$211	\$393
Swine	Pit	GF	Large 2	MA	2	H	16.5	\$81,166	\$3,026	\$46,259	\$138	\$2,066

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	GF	Large 2	MA	2	L	16.5	\$80,574	\$0	\$45,813	\$110	\$0
Swine	Pit	GF	Large 2	MA	2	M	33	\$80,607	\$339	\$46,055	\$124	\$232
Swine	Pit	GF	Large 2	MA	3	H	4.8	\$30	\$0	\$98,409	\$0	\$0
Swine	Pit	GF	Large 2	MA	3	L	4.8	\$0	\$0	\$98,055	\$0	\$0
Swine	Pit	GF	Large 2	MA	3	M	9.7	\$2	\$0	\$98,297	\$0	\$0
Swine	Pit	GF	Large 2	MW	1	H	32.1	\$51,818	\$3,375	\$2,320	\$161	\$2,415
Swine	Pit	GF	Large 2	MW	1	L	32.1	\$51,215	\$0	\$1,920	\$129	\$0
Swine	Pit	GF	Large 2	MW	1	M	64.1	\$51,248	\$1,897	\$2,162	\$145	\$1,357
Swine	Pit	GF	Large 2	MW	2	H	32	\$68,936	\$4,752	\$10,152	\$253	\$3,792
Swine	Pit	GF	Large 2	MW	2	L	32	\$68,292	\$0	\$9,726	\$203	\$0
Swine	Pit	GF	Large 2	MW	2	M	63.9	\$68,325	\$2,671	\$9,968	\$227	\$2,131
Swine	Pit	GF	Large 2	MW	3	H	26.8	\$30	\$0	\$41,710	\$0	\$0
Swine	Pit	GF	Large 2	MW	3	L	26.8	\$0	\$0	\$41,356	\$0	\$0
Swine	Pit	GF	Large 2	MW	3	M	53.6	\$2	\$0	\$41,598	\$0	\$0
Swine	Pit	GF	Medium 1	MA	1	H	0.9	\$18,230	\$1,670	\$1,821	\$47	\$710
Swine	Pit	GF	Medium 1	MA	1	L	0.9	\$18,230	\$84	\$1,625	\$38	\$36
Swine	Pit	GF	Medium 1	MA	1	M	1.8	\$18,230	\$1,631	\$1,723	\$42	\$693
Swine	Pit	GF	Medium 1	MA	2	H	0.6	\$18,532	\$1,559	\$4,501	\$40	\$599
Swine	Pit	GF	Medium 1	MA	2	L	0.6	\$18,532	\$78	\$4,305	\$32	\$30
Swine	Pit	GF	Medium 1	MA	2	M	1.2	\$18,532	\$1,524	\$4,403	\$36	\$586
Swine	Pit	GF	Medium 1	MA	3	H	0.3	\$30	\$0	\$7,301	\$0	\$0
Swine	Pit	GF	Medium 1	MA	3	L	0.3	\$30	\$0	\$7,105	\$0	\$0
Swine	Pit	GF	Medium 1	MA	3	M	0.7	\$30	\$0	\$7,203	\$0	\$0
Swine	Pit	GF	Medium 1	MW	1	H	33.2	\$17,987	\$1,453	\$1,720	\$33	\$493
Swine	Pit	GF	Medium 1	MW	1	L	33.2	\$17,987	\$872	\$1,524	\$27	\$296
Swine	Pit	GF	Medium 1	MW	1	M	66.4	\$17,987	\$1,433	\$1,622	\$30	\$487
Swine	Pit	GF	Medium 1	MW	2	H	6	\$18,345	\$1,585	\$2,323	\$42	\$625
Swine	Pit	GF	Medium 1	MW	2	L	6	\$18,345	\$951	\$2,127	\$34	\$375

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	GF	Medium 1	MW	2	M	11.9	\$18,345	\$1,563	\$2,225	\$37	\$616
Swine	Pit	GF	Medium 1	MW	3	H	5.5	\$30	\$0	\$3,463	\$0	\$0
Swine	Pit	GF	Medium 1	MW	3	L	5.5	\$30	\$0	\$3,267	\$0	\$0
Swine	Pit	GF	Medium 1	MW	3	M	11	\$30	\$0	\$3,365	\$0	\$0
Swine	Pit	GF	Medium 2	MA	1	H	0.5	\$20,346	\$1,933	\$1,981	\$65	\$973
Swine	Pit	GF	Medium 2	MA	1	L	0.5	\$20,346	\$97	\$1,785	\$52	\$49
Swine	Pit	GF	Medium 2	MA	1	M	0.9	\$20,346	\$1,889	\$1,883	\$58	\$951
Swine	Pit	GF	Medium 2	MA	2	H	0.8	\$20,623	\$1,469	\$6,636	\$34	\$509
Swine	Pit	GF	Medium 2	MA	2	L	0.8	\$20,623	\$73	\$6,310	\$27	\$25
Swine	Pit	GF	Medium 2	MA	2	M	1.7	\$20,623	\$1,435	\$6,408	\$31	\$497
Swine	Pit	GF	Medium 2	MA	3	H	0.4	\$30	\$0	\$10,521	\$0	\$0
Swine	Pit	GF	Medium 2	MA	3	L	0.4	\$30	\$0	\$10,325	\$0	\$0
Swine	Pit	GF	Medium 2	MA	3	M	0.7	\$30	\$0	\$10,423	\$0	\$0
Swine	Pit	GF	Medium 2	MW	1	H	15.6	\$19,995	\$1,671	\$1,857	\$47	\$711
Swine	Pit	GF	Medium 2	MW	1	L	15.6	\$19,995	\$1,003	\$1,661	\$38	\$427
Swine	Pit	GF	Medium 2	MW	1	M	31.2	\$19,995	\$1,648	\$1,759	\$43	\$701
Swine	Pit	GF	Medium 2	MW	2	H	5.7	\$20,531	\$1,832	\$2,751	\$58	\$872
Swine	Pit	GF	Medium 2	MW	2	L	5.7	\$20,531	\$1,099	\$2,555	\$46	\$523
Swine	Pit	GF	Medium 2	MW	2	M	11.4	\$20,531	\$1,806	\$2,653	\$53	\$859
Swine	Pit	GF	Medium 2	MW	3	H	3.8	\$30	\$0	\$4,782	\$0	\$0
Swine	Pit	GF	Medium 2	MW	3	L	3.8	\$30	\$0	\$4,586	\$0	\$0
Swine	Pit	GF	Medium 2	MW	3	M	7.6	\$30	\$0	\$4,684	\$0	\$0
Swine	Pit	GF	Medium 3	MA	1	H	0.3	\$22,814	\$2,322	\$2,204	\$91	\$1,362
Swine	Pit	GF	Medium 3	MA	1	L	0.3	\$22,814	\$116	\$2,008	\$73	\$68
Swine	Pit	GF	Medium 3	MA	1	M	0.5	\$22,814	\$2,269	\$2,106	\$82	\$1,331
Swine	Pit	GF	Medium 3	MA	2	H	0.5	\$23,159	\$1,667	\$8,664	\$47	\$707
Swine	Pit	GF	Medium 3	MA	2	L	0.5	\$23,159	\$84	\$8,288	\$37	\$36
Swine	Pit	GF	Medium 3	MA	2	M	1	\$23,159	\$1,628	\$8,386	\$42	\$690

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Swine	Pit	GF	Medium 3	MA	3	H	0.2	\$30	\$0	\$14,190	\$0	\$0
Swine	Pit	GF	Medium 3	MA	3	L	0.2	\$30	\$0	\$13,994	\$0	\$0
Swine	Pit	GF	Medium 3	MA	3	M	0.4	\$30	\$0	\$14,092	\$0	\$0
Swine	Pit	GF	Medium 3	MW	1	H	9.3	\$22,539	\$1,981	\$2,047	\$68	\$1,021
Swine	Pit	GF	Medium 3	MW	1	L	9.3	\$22,539	\$1,189	\$1,851	\$54	\$613
Swine	Pit	GF	Medium 3	MW	1	M	18.5	\$22,539	\$1,954	\$1,949	\$61	\$1,007
Swine	Pit	GF	Medium 3	MW	2	H	3.4	\$23,032	\$2,171	\$3,268	\$81	\$1,211
Swine	Pit	GF	Medium 3	MW	2	L	3.4	\$23,032	\$1,302	\$3,072	\$64	\$726
Swine	Pit	GF	Medium 3	MW	2	M	6.8	\$23,032	\$2,140	\$3,170	\$73	\$1,194
Swine	Pit	GF	Medium 3	MW	3	H	2.2	\$30	\$0	\$6,216	\$0	\$0
Swine	Pit	GF	Medium 3	MW	3	L	2.2	\$30	\$0	\$6,020	\$0	\$0
Swine	Pit	GF	Medium 3	MW	3	M	4.5	\$30	\$0	\$6,118	\$0	\$0
Turkey	Solid	SL	Large 1	MA	1	H	1.2	\$151,930	\$7,127	\$5,851	\$411	\$6,167
Turkey	Solid	SL	Large 1	MA	1	L	1.2	\$20,456	\$6,770	\$5,285	\$329	\$5,858
Turkey	Solid	SL	Large 1	MA	1	M	2.4	\$78,903	\$7,120	\$5,569	\$370	\$6,161
Turkey	Solid	SL	Large 1	MA	2	H	23.8	\$148,939	\$3,147	\$19,105	\$146	\$2,187
Turkey	Solid	SL	Large 1	MA	2	L	23.8	\$17,465	\$2,990	\$3,448	\$117	\$2,078
Turkey	Solid	SL	Large 1	MA	2	M	47.6	\$75,912	\$3,144	\$10,372	\$131	\$2,185
Turkey	Solid	SL	Large 1	MA	3	H	15.8	\$146,794	\$0	\$14,657	\$0	\$0
Turkey	Solid	SL	Large 1	MA	3	L	15.8	\$15,345	\$0	\$2,400	\$0	\$0
Turkey	Solid	SL	Large 1	MA	3	M	31.5	\$73,768	\$0	\$7,827	\$0	\$0
Turkey	Solid	SL	Large 1	MW	1	H	1.7	\$151,140	\$6,076	\$5,366	\$341	\$5,116
Turkey	Solid	SL	Large 1	MW	1	L	1.7	\$19,481	\$6,076	\$4,786	\$273	\$5,116
Turkey	Solid	SL	Large 1	MW	1	M	3.4	\$78,113	\$6,076	\$5,084	\$307	\$5,116
Turkey	Solid	SL	Large 1	MW	2	H	32.8	\$148,939	\$3,147	\$10,028	\$146	\$2,187
Turkey	Solid	SL	Large 1	MW	2	L	32.8	\$17,279	\$3,147	\$3,434	\$117	\$2,187
Turkey	Solid	SL	Large 1	MW	2	M	65.6	\$75,911	\$3,147	\$6,378	\$131	\$2,187
Turkey	Solid	SL	Large 1	MW	3	H	21.7	\$146,794	\$0	\$4,601	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Turkey	Solid	SL	Large 1	MW	3	L	21.7	\$15,334	\$0	\$2,400	\$0	\$0
Turkey	Solid	SL	Large 1	MW	3	M	43.5	\$73,767	\$0	\$3,403	\$0	\$0
Turkey	Solid	SL	Medium 1	MA	1	H	0.2	\$28,009	\$3,202	\$2,446	\$150	\$2,242
Turkey	Solid	SL	Medium 1	MA	1	L	0.2	\$5,050	\$3,170	\$2,199	\$119	\$2,220
Turkey	Solid	SL	Medium 1	MA	1	M	0.5	\$15,256	\$3,193	\$2,322	\$135	\$2,236
Turkey	Solid	SL	Medium 1	MA	2	H	1.6	\$26,968	\$1,816	\$4,086	\$57	\$856
Turkey	Solid	SL	Medium 1	MA	2	L	1.6	\$4,008	\$1,798	\$1,558	\$46	\$848
Turkey	Solid	SL	Medium 1	MA	2	M	3.3	\$14,214	\$1,811	\$2,730	\$51	\$854
Turkey	Solid	SL	Medium 1	MA	3	H	0.8	\$25,824	\$0	\$3,412	\$0	\$0
Turkey	Solid	SL	Medium 1	MA	3	L	0.8	\$2,870	\$0	\$1,124	\$0	\$0
Turkey	Solid	SL	Medium 1	MA	3	M	1.7	\$13,071	\$0	\$2,145	\$0	\$0
Turkey	Solid	SL	Medium 1	MW	1	H	0.2	\$28,199	\$3,454	\$2,562	\$167	\$2,494
Turkey	Solid	SL	Medium 1	MW	1	L	0.2	\$4,715	\$3,454	\$2,275	\$133	\$2,494
Turkey	Solid	SL	Medium 1	MW	1	M	0.4	\$15,306	\$3,454	\$2,428	\$150	\$2,494
Turkey	Solid	SL	Medium 1	MW	2	H	1.4	\$26,968	\$1,816	\$2,694	\$57	\$856
Turkey	Solid	SL	Medium 1	MW	2	L	1.4	\$3,484	\$1,816	\$1,519	\$46	\$856
Turkey	Solid	SL	Medium 1	MW	2	M	2.8	\$14,074	\$1,816	\$2,063	\$51	\$856
Turkey	Solid	SL	Medium 1	MW	3	H	0.7	\$25,824	\$0	\$1,657	\$0	\$0
Turkey	Solid	SL	Medium 1	MW	3	L	0.7	\$2,840	\$0	\$1,124	\$0	\$0
Turkey	Solid	SL	Medium 1	MW	3	M	1.4	\$13,064	\$0	\$1,373	\$0	\$0
Turkey	Solid	SL	Medium 2	MA	1	H	0.1	\$43,207	\$4,451	\$3,194	\$233	\$3,491
Turkey	Solid	SL	Medium 2	MA	1	L	0.1	\$7,460	\$4,407	\$2,913	\$186	\$3,456
Turkey	Solid	SL	Medium 2	MA	1	M	0.1	\$23,349	\$4,438	\$3,053	\$210	\$3,481
Turkey	Solid	SL	Medium 2	MA	2	H	0.9	\$41,256	\$1,856	\$5,846	\$60	\$896
Turkey	Solid	SL	Medium 2	MA	2	L	0.9	\$5,509	\$1,837	\$1,714	\$48	\$887
Turkey	Solid	SL	Medium 2	MA	2	M	1.9	\$21,398	\$1,851	\$3,549	\$54	\$894
Turkey	Solid	SL	Medium 2	MA	3	H	0.5	\$40,082	\$0	\$4,720	\$0	\$0
Turkey	Solid	SL	Medium 2	MA	3	L	0.5	\$4,340	\$0	\$1,261	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Turkey	Solid	SL	Medium 2	MA	3	M	0.9	\$20,226	\$0	\$2,800	\$0	\$0
Turkey	Solid	SL	Medium 2	MW	1	H	0	\$43,503	\$4,844	\$3,375	\$259	\$3,884
Turkey	Solid	SL	Medium 2	MW	1	L	0	\$7,231	\$4,844	\$3,054	\$207	\$3,884
Turkey	Solid	SL	Medium 2	MW	1	M	0.1	\$23,505	\$4,844	\$3,224	\$233	\$3,884
Turkey	Solid	SL	Medium 2	MW	2	H	0.8	\$41,256	\$1,856	\$3,470	\$60	\$896
Turkey	Solid	SL	Medium 2	MW	2	L	0.8	\$4,984	\$1,856	\$1,675	\$48	\$896
Turkey	Solid	SL	Medium 2	MW	2	M	1.6	\$21,258	\$1,856	\$2,493	\$54	\$896
Turkey	Solid	SL	Medium 2	MW	3	H	0.4	\$40,082	\$0	\$1,987	\$0	\$0
Turkey	Solid	SL	Medium 2	MW	3	L	0.4	\$4,310	\$0	\$1,261	\$0	\$0
Turkey	Solid	SL	Medium 2	MW	3	M	0.8	\$20,218	\$0	\$1,597	\$0	\$0
Turkey	Solid	SL	Medium 3	MA	1	H	0	\$59,018	\$5,751	\$3,965	\$319	\$4,791
Turkey	Solid	SL	Medium 3	MA	1	L	0	\$9,967	\$5,693	\$3,649	\$256	\$4,743
Turkey	Solid	SL	Medium 3	MA	1	M	0.1	\$31,769	\$5,733	\$3,807	\$287	\$4,776
Turkey	Solid	SL	Medium 3	MA	2	H	0.5	\$56,473	\$2,366	\$7,595	\$93	\$1,406
Turkey	Solid	SL	Medium 3	MA	2	L	0.5	\$7,422	\$2,342	\$2,086	\$75	\$1,392
Turkey	Solid	SL	Medium 3	MA	2	M	0.9	\$29,224	\$2,359	\$4,559	\$84	\$1,402
Turkey	Solid	SL	Medium 3	MA	3	H	0.3	\$54,916	\$0	\$6,075	\$0	\$0
Turkey	Solid	SL	Medium 3	MA	3	L	0.3	\$5,870	\$0	\$1,398	\$0	\$0
Turkey	Solid	SL	Medium 3	MA	3	M	0.6	\$27,668	\$0	\$3,474	\$0	\$0
Turkey	Solid	SL	Medium 3	MW	1	H	0	\$59,423	\$6,290	\$4,214	\$355	\$5,330
Turkey	Solid	SL	Medium 3	MW	1	L	0	\$9,847	\$6,290	\$3,859	\$284	\$5,330
Turkey	Solid	SL	Medium 3	MW	1	M	0.1	\$32,034	\$6,290	\$4,046	\$320	\$5,330
Turkey	Solid	SL	Medium 3	MW	2	H	0.4	\$56,473	\$2,366	\$4,421	\$93	\$1,406
Turkey	Solid	SL	Medium 3	MW	2	L	0.4	\$6,897	\$2,366	\$2,047	\$75	\$1,406
Turkey	Solid	SL	Medium 3	MW	2	M	0.8	\$29,084	\$2,366	\$3,122	\$84	\$1,406
Turkey	Solid	SL	Medium 3	MW	3	H	0.3	\$54,916	\$0	\$2,324	\$0	\$0
Turkey	Solid	SL	Medium 3	MW	3	L	0.3	\$5,840	\$0	\$1,398	\$0	\$0
Turkey	Solid	SL	Medium 3	MW	3	M	0.5	\$27,660	\$0	\$1,824	\$0	\$0

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 1	CE	1	H	0	\$32,980	\$1,930	\$3,163	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	1	L	0	\$32,980	\$1,930	\$3,163	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	1	M	0.1	\$32,980	\$1,930	\$3,163	\$120	\$500
Veal	Flush	Liquid	Medium 1	CE	2	H	0	\$32,980	\$1,545	\$2,939	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	2	L	0	\$32,980	\$1,545	\$2,939	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	2	M	0	\$32,980	\$1,545	\$2,939	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	H	0	\$32,980	\$1,045	\$2,859	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	L	0	\$32,980	\$1,045	\$2,859	\$20	\$500
Veal	Flush	Liquid	Medium 1	CE	3	M	0	\$32,980	\$1,045	\$2,859	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	1	H	0	\$39,992	\$1,930	\$3,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	1	L	0	\$39,992	\$1,930	\$3,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	1	M	0.04	\$39,992	\$1,930	\$3,514	\$120	\$500
Veal	Flush	Liquid	Medium 1	MA	2	H	0	\$39,992	\$1,545	\$3,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	2	L	0	\$39,992	\$1,545	\$3,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	2	M	0	\$39,992	\$1,545	\$3,290	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	H	0	\$39,992	\$1,045	\$3,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	L	0	\$39,992	\$1,045	\$3,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MA	3	M	0	\$39,992	\$1,045	\$3,210	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	1	H	0.48	\$37,632	\$1,930	\$3,396	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	1	L	0.48	\$37,632	\$1,930	\$3,396	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	1	M	1.02	\$37,632	\$1,930	\$3,396	\$120	\$500
Veal	Flush	Liquid	Medium 1	MW	2	H	0	\$37,632	\$1,545	\$3,172	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	2	L	0	\$37,632	\$1,545	\$3,172	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	2	M	0	\$37,632	\$1,545	\$3,172	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	H	0	\$37,632	\$1,045	\$3,092	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	L	0	\$37,632	\$1,045	\$3,092	\$20	\$500
Veal	Flush	Liquid	Medium 1	MW	3	M	0	\$37,632	\$1,045	\$3,092	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	1	H	0	\$39,683	\$1,930	\$3,498	\$120	\$500

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 1	PA	1	L	0	\$39,683	\$1,930	\$3,498	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	1	M	0	\$39,683	\$1,930	\$3,498	\$120	\$500
Veal	Flush	Liquid	Medium 1	PA	2	H	0	\$39,683	\$1,545	\$3,274	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	2	L	0	\$39,683	\$1,545	\$3,274	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	2	M	0	\$39,683	\$1,545	\$3,274	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	H	0	\$39,683	\$1,045	\$3,194	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	L	0	\$39,683	\$1,045	\$3,194	\$20	\$500
Veal	Flush	Liquid	Medium 1	PA	3	M	0	\$39,683	\$1,045	\$3,194	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	1	H	0	\$34,025	\$1,930	\$3,215	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	1	L	0	\$34,025	\$1,930	\$3,215	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	1	M	0	\$34,025	\$1,930	\$3,215	\$120	\$500
Veal	Flush	Liquid	Medium 1	SO	2	H	0	\$34,025	\$1,545	\$2,991	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	2	L	0	\$34,025	\$1,545	\$2,991	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	2	M	0	\$34,025	\$1,545	\$2,991	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	H	0	\$34,025	\$1,045	\$2,911	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	L	0	\$34,025	\$1,045	\$2,911	\$20	\$500
Veal	Flush	Liquid	Medium 1	SO	3	M	0	\$34,025	\$1,045	\$2,911	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	1	H	0	\$38,689	\$1,930	\$3,449	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	1	L	0	\$38,689	\$1,930	\$3,449	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	1	M	0.1	\$38,689	\$1,930	\$3,449	\$120	\$500
Veal	Flush	Liquid	Medium 2	CE	2	H	0	\$38,689	\$1,545	\$3,225	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	2	L	0	\$38,689	\$1,545	\$3,225	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	2	M	0	\$38,689	\$1,545	\$3,225	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	H	0	\$38,689	\$1,045	\$3,145	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	L	0	\$38,689	\$1,045	\$3,145	\$20	\$500
Veal	Flush	Liquid	Medium 2	CE	3	M	0	\$38,689	\$1,045	\$3,145	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	1	H	0	\$44,631	\$1,930	\$3,746	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	1	L	0	\$44,631	\$1,930	\$3,746	\$120	\$500

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 2	MA	1	M	0	\$44,631	\$1,930	\$3,746	\$120	\$500
Veal	Flush	Liquid	Medium 2	MA	2	H	0	\$44,631	\$1,545	\$3,522	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	2	L	0	\$44,631	\$1,545	\$3,522	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	2	M	0	\$44,631	\$1,545	\$3,522	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	H	0	\$44,631	\$1,045	\$3,442	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	L	0	\$44,631	\$1,045	\$3,442	\$20	\$500
Veal	Flush	Liquid	Medium 2	MA	3	M	0	\$44,631	\$1,045	\$3,442	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	1	H	0.24	\$41,584	\$1,930	\$3,593	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	1	L	0.24	\$41,584	\$1,930	\$3,593	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	1	M	0.48	\$41,584	\$1,930	\$3,593	\$120	\$500
Veal	Flush	Liquid	Medium 2	MW	2	H	0	\$41,584	\$1,545	\$3,369	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	2	L	0	\$41,584	\$1,545	\$3,369	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	2	M	0	\$41,584	\$1,545	\$3,369	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	H	0	\$41,584	\$1,045	\$3,289	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	L	0	\$41,584	\$1,045	\$3,289	\$20	\$500
Veal	Flush	Liquid	Medium 2	MW	3	M	0	\$41,584	\$1,045	\$3,289	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	1	H	0	\$46,660	\$1,930	\$3,847	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	1	L	0	\$46,660	\$1,930	\$3,847	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	1	M	0	\$46,660	\$1,930	\$3,847	\$120	\$500
Veal	Flush	Liquid	Medium 2	PA	2	H	0	\$46,660	\$1,545	\$3,623	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	2	L	0	\$46,660	\$1,545	\$3,623	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	2	M	0	\$46,660	\$1,545	\$3,623	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	H	0	\$46,660	\$1,045	\$3,543	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	L	0	\$46,660	\$1,045	\$3,543	\$20	\$500
Veal	Flush	Liquid	Medium 2	PA	3	M	0	\$46,660	\$1,045	\$3,543	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	1	H	0	\$44,794	\$1,930	\$3,754	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	1	L	0	\$44,794	\$1,930	\$3,754	\$120	\$500
Veal	Flush	Liquid	Medium 2	SO	1	M	0	\$44,794	\$1,930	\$3,754	\$120	\$500

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 2	SO	2	H	0	\$44,794	\$1,545	\$3,530	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	2	L	0	\$44,794	\$1,545	\$3,530	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	2	M	0	\$44,794	\$1,545	\$3,530	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	H	0	\$44,794	\$1,045	\$3,450	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	L	0	\$44,794	\$1,045	\$3,450	\$20	\$500
Veal	Flush	Liquid	Medium 2	SO	3	M	0	\$44,794	\$1,045	\$3,450	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	1	H	0	\$50,383	\$1,930	\$4,033	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	1	L	0	\$50,383	\$1,930	\$4,033	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	1	M	1	\$50,383	\$1,930	\$4,033	\$120	\$500
Veal	Flush	Liquid	Medium 3	CE	2	H	0	\$50,383	\$1,545	\$3,809	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	2	L	0	\$50,383	\$1,545	\$3,809	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	2	M	0	\$50,383	\$1,545	\$3,809	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	H	0	\$50,383	\$1,045	\$3,729	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	L	0	\$50,383	\$1,045	\$3,729	\$20	\$500
Veal	Flush	Liquid	Medium 3	CE	3	M	0	\$50,383	\$1,045	\$3,729	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	1	H	0	\$57,070	\$1,930	\$4,368	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	1	L	0	\$57,070	\$1,930	\$4,368	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	1	M	0	\$57,070	\$1,930	\$4,368	\$120	\$500
Veal	Flush	Liquid	Medium 3	MA	2	H	0	\$57,070	\$1,545	\$4,144	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	2	L	0	\$57,070	\$1,545	\$4,144	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	2	M	0	\$57,070	\$1,545	\$4,144	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	H	0	\$57,070	\$1,045	\$4,064	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	L	0	\$57,070	\$1,045	\$4,064	\$20	\$500
Veal	Flush	Liquid	Medium 3	MA	3	M	0	\$57,070	\$1,045	\$4,064	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	1	H	4	\$53,902	\$1,930	\$4,209	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	1	L	4	\$53,902	\$1,930	\$4,209	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	1	M	8	\$53,902	\$1,930	\$4,209	\$120	\$500
Veal	Flush	Liquid	Medium 3	MW	2	H	0	\$53,902	\$1,545	\$3,985	\$20	\$500

**Table C-3b (Continued)**

Animal	Farm Type	Manure Type	Size Class	Region	Category	Performance Needs	Number of Facilities	Capital Costs	Fixed Costs	Annual O&M Costs	3-Year Recurring O&M Costs	5-Year Recurring O&M Costs
Veal	Flush	Liquid	Medium 3	MW	2	L	0	\$53,902	\$1,545	\$3,985	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	2	M	0	\$53,902	\$1,545	\$3,985	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	H	0	\$53,902	\$1,045	\$3,905	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	L	0	\$53,902	\$1,045	\$3,905	\$20	\$500
Veal	Flush	Liquid	Medium 3	MW	3	M	0	\$53,902	\$1,045	\$3,905	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	1	H	0	\$59,312	\$1,930	\$4,480	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	1	L	0	\$59,312	\$1,930	\$4,480	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	1	M	0	\$59,312	\$1,930	\$4,480	\$120	\$500
Veal	Flush	Liquid	Medium 3	PA	2	H	0	\$59,312	\$1,545	\$4,256	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	2	L	0	\$59,312	\$1,545	\$4,256	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	2	M	0	\$59,312	\$1,545	\$4,256	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	H	0	\$59,312	\$1,045	\$4,176	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	L	0	\$59,312	\$1,045	\$4,176	\$20	\$500
Veal	Flush	Liquid	Medium 3	PA	3	M	0	\$59,312	\$1,045	\$4,176	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	1	H	0	\$57,099	\$1,930	\$4,369	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	1	L	0	\$57,099	\$1,930	\$4,369	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	1	M	0	\$57,099	\$1,930	\$4,369	\$120	\$500
Veal	Flush	Liquid	Medium 3	SO	2	H	0	\$57,099	\$1,545	\$4,145	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	2	L	0	\$57,099	\$1,545	\$4,145	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	2	M	0	\$57,099	\$1,545	\$4,145	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	H	0	\$57,099	\$1,045	\$4,065	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	L	0	\$57,099	\$1,045	\$4,065	\$20	\$500
Veal	Flush	Liquid	Medium 3	SO	3	M	0	\$57,099	\$1,045	\$4,065	\$20	\$500