

Code	Practice	Component	Units	Unit Cost
102	Comprehensive Nutrient Management Plan - Written	CNMP Greater Than 300 AU with Land Application (Minimal Engineer Assistance)	no	\$4,852.42
102	Comprehensive Nutrient Management Plan - Written	HU-CNMP Greater Than 300 AU with Land Application (Minimal Engineer Assistance)	no	\$5,822.91
102	Comprehensive Nutrient Management Plan - Written	CNMP Greater Than 300 AU without Land Application (Minimal Engineer Assistance)	no	\$2,455.26
102	Comprehensive Nutrient Management Plan - Written	HU-CNMP Greater Than 300 AU without Land Application (Minimal Engineer Assistance)	no	\$2,946.32
102	Comprehensive Nutrient Management Plan - Written	CNMP Less Than or Equal to 300 AU with Land Application (Minimal Engineer Assistance)	no	\$3,624.79
102	Comprehensive Nutrient Management Plan - Written	HU-CNMP Less Than or Equal to 300 AU with Land Application (Minimal Engineer Assistance)	no	\$4,349.75
102	Comprehensive Nutrient Management Plan - Written	CNMP Less Than or Equal to 300 AU without Land Application (Minimal Engineer Assistance)	no	\$2,162.88
102	Comprehensive Nutrient Management Plan - Written	HU-CNMP Less Than or Equal to 300 AU without Land Application (Minimal Engineer Assistance)	no	\$2,595.46
102	Comprehensive Nutrient Management Plan - Written	Dairy Operation Greater Than or Equal to 300 AU and Less Than 700 AU with Land Application	no	\$9,081.13
102	Comprehensive Nutrient Management Plan - Written	HU-Dairy Operation Greater Than or Equal to 300 AU and Less Than 700 AU with Land Application	no	\$10,897.36
102	Comprehensive Nutrient Management Plan - Written	Dairy Operation Greater Than or Equal to 700 AU with Land Application	no	\$10,098.10
102	Comprehensive Nutrient Management Plan - Written	HU-Dairy Operation Greater Than or Equal to 700 AU with Land Application	no	\$12,117.72
102	Comprehensive Nutrient Management Plan - Written	Dairy Operation Less Than 300 AU with Land Application	no	\$7,947.21
102	Comprehensive Nutrient Management Plan - Written	HU-Dairy Operation Less Than 300 AU with Land Application	no	\$9,536.66
102	Comprehensive Nutrient Management Plan - Written	Livestock Operation Greater Than 300 AU without Land Application	no	\$7,127.80
102	Comprehensive Nutrient Management Plan - Written	HU-Livestock Operation Greater Than 300 AU without Land Application	no	\$8,553.36
102	Comprehensive Nutrient Management Plan - Written	Livestock Operation Less Than 300 AU without Land Application	no	\$5,737.48
102	Comprehensive Nutrient Management Plan - Written	HU-Livestock Operation Less Than 300 AU without Land Application	no	\$6,884.97
102	Comprehensive Nutrient Management Plan - Written	Non-Dairy Operation Greater Than or Equal to 300 AU and Less Than 700 AU with Land Application	no	\$8,204.73
102	Comprehensive Nutrient Management Plan - Written	HU-Non-Dairy Operation Greater Than or Equal to 300 AU and Less Than 700 AU with Land Application	no	\$9,845.68
102	Comprehensive Nutrient Management Plan - Written	Non-Dairy Operation Greater Than or Equal to 700 AU with Land Application	no	\$9,911.05
102	Comprehensive Nutrient Management Plan - Written	HU-Non-Dairy Operation Greater Than or Equal to 700 AU with Land Application	no	\$11,893.26

Code	Practice	Component	Units	Unit Cost
102	Comprehensive Nutrient Management Plan - Written	Non-Dairy Operation Less Than 300 AU with Land Application	no	\$6,369.84
102	Comprehensive Nutrient Management Plan - Written	HU-Non-Dairy Operation Less Than 300 AU with Land Application	no	\$7,643.80
104	Nutrient Management Plan - Written	Nutrient Management CAP 101-300 Acres (Element of a CNMP)	no	\$4,191.16
104	Nutrient Management Plan - Written	HU-Nutrient Management CAP 101-300 Acres (Element of a CNMP)	no	\$5,029.39
104	Nutrient Management Plan - Written	Nutrient Management CAP 101-300 Acres (Not part of a CNMP)	no	\$2,394.95
104	Nutrient Management Plan - Written	HU-Nutrient Management CAP 101-300 Acres (Not part of a CNMP)	no	\$2,873.94
104	Nutrient Management Plan - Written	Nutrient Management CAP Greater Than 300 Acres (Element of a CNMP)	no	\$5,089.26
104	Nutrient Management Plan - Written	HU-Nutrient Management CAP Greater Than 300 Acres (Element of a CNMP)	no	\$6,107.12
104	Nutrient Management Plan - Written	Nutrient Management CAP Greater Than 300 Acres (Not part of a CNMP)	no	\$2,993.68
104	Nutrient Management Plan - Written	HU-Nutrient Management CAP Greater Than 300 Acres (Not part of a CNMP)	no	\$3,592.42
104	Nutrient Management Plan - Written	Nutrient Management CAP Less Than or Equal to 100 Acres (Element of a CNMP)	no	\$2,993.68
104	Nutrient Management Plan - Written	HU-Nutrient Management CAP Less Than or Equal to 100 Acres (Element of a CNMP)	no	\$3,592.42
104	Nutrient Management Plan - Written	Nutrient Management CAP Less Than or Equal to 100 Acres (Not part of a CNMP)	no	\$1,796.21
104	Nutrient Management Plan - Written	HU-Nutrient Management CAP Less Than or Equal to 100 Acres (Not part of a CNMP)	no	\$2,155.45
106	Forest Management Plan - Written	FMP 101 to 250 acres	no	\$2,440.48
106	Forest Management Plan - Written	HU-FMP 101 to 250 acres	no	\$2,928.57
106	Forest Management Plan - Written	FMP 21 to 100 acres	no	\$1,362.13
106	Forest Management Plan - Written	HU-FMP 21 to 100 acres	no	\$1,634.55
106	Forest Management Plan - Written	FMP 251 to 500 acres	no	\$3,518.83
106	Forest Management Plan - Written	HU-FMP 251 to 500 acres	no	\$4,222.59
106	Forest Management Plan - Written	FMP 501 to 1000 acres	no	\$4,086.38
106	Forest Management Plan - Written	HU-FMP 501 to 1000 acres	no	\$4,903.65
106	Forest Management Plan - Written	FMP Greater Than 1000 acres	no	\$5,107.97
106	Forest Management Plan - Written	HU-FMP Greater Than 1000 acres	no	\$6,129.57
106	Forest Management Plan - Written	FMP Less Than or Equal to 20 acres	no	\$1,078.35
106	Forest Management Plan - Written	HU-FMP Less Than or Equal to 20 acres	no	\$1,294.02
108	Feed Management Plan - Written	Feed Management Plan	Ea	\$1,403.43
108	Feed Management Plan - Written	HU-Feed Management Plan	Ea	\$1,684.12
110	Grazing Management Plan - Written	Grazing Management Plan 101 to 500 acres	no	\$2,347.26
110	Grazing Management Plan - Written	HU-Grazing Management Plan 101 to 500 acres	no	\$2,816.72
110	Grazing Management Plan - Written	Grazing Management Plan 1501 to 5000 acres	no	\$3,520.89

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110	Grazing Management Plan - Written	HU-Grazing Management Plan 1501 to 5000 acres	no	\$4,225.07
110	Grazing Management Plan - Written	Grazing Management Plan 501 to 1500 acres	no	\$2,934.08
110	Grazing Management Plan - Written	HU-Grazing Management Plan 501 to 1500 acres	no	\$3,520.89
110	Grazing Management Plan - Written	Grazing Management Plan Greater Than 5000 acres	no	\$4,107.71
110	Grazing Management Plan - Written	HU-Grazing Management Plan Greater Than 5000 acres	no	\$4,929.25
110	Grazing Management Plan - Written	Grazing Management Plan Less Than or Equal to 100 acres	no	\$1,760.45
110	Grazing Management Plan - Written	HU-Grazing Management Plan Less Than or Equal to 100 acres	no	\$2,112.54
112	Prescribed Burning Plan - Written	Prescribed Burning Plan 101-250 Acres	no	\$681.06
112	Prescribed Burning Plan - Written	HU-Prescribed Burning Plan 101-250 Acres	no	\$817.28
112	Prescribed Burning Plan - Written	Prescribed Burning Plan 21-100 Acres	no	\$454.04
112	Prescribed Burning Plan - Written	HU-Prescribed Burning Plan 21-100 Acres	no	\$544.85
112	Prescribed Burning Plan - Written	Prescribed Burning Plan 251-500 Acres	no	\$908.08
112	Prescribed Burning Plan - Written	HU-Prescribed Burning Plan 251-500 Acres	no	\$1,089.70
112	Prescribed Burning Plan - Written	Prescribed Burning Plan 501-1000 Acres	no	\$1,135.11
112	Prescribed Burning Plan - Written	HU-Prescribed Burning Plan 501-1000 Acres	no	\$1,362.13
112	Prescribed Burning Plan - Written	Prescribed Burning Plan Greater Than 1000 Acres	no	\$1,362.13
112	Prescribed Burning Plan - Written	HU-Prescribed Burning Plan Greater Than 1000 Acres	no	\$1,634.55
112	Prescribed Burning Plan - Written	Prescribed Burning Plan Less Than or Equal to 20 Acres	no	\$283.78
112	Prescribed Burning Plan - Written	HU-Prescribed Burning Plan Less Than or Equal to 20 Acres	no	\$340.53
114	Integrated Pest Management Plan - Written	IPM Management CAP Large - Greater Than 250 Acres	no	\$2,993.68
114	Integrated Pest Management Plan - Written	HU-IPM Management CAP Large - Greater Than 250 Acres	no	\$3,592.42
114	Integrated Pest Management Plan - Written	IPM Management CAP Medium 51 - 250 Acres	no	\$1,915.96
114	Integrated Pest Management Plan - Written	HU-IPM Management CAP Medium 51 - 250 Acres	no	\$2,299.15
114	Integrated Pest Management Plan - Written	IPM Management CAP Small-Specialty Less Than 50 Acres	no	\$1,496.84
114	Integrated Pest Management Plan - Written	HU-IPM Management CAP Small-Specialty Less Than 50 Acres	no	\$1,796.21
118	Irrigation Water Management Plan - Written	Irrigation Water Management CAP with pump test	no	\$3,855.36
118	Irrigation Water Management Plan - Written	HU-Irrigation Water Management CAP with pump test	no	\$4,626.43
118	Irrigation Water Management Plan - Written	Irrigation Water Management Conservation Activity Plan CAP	no	\$2,453.41
118	Irrigation Water Management Plan - Written	HU-Irrigation Water Management Conservation Activity Plan CAP	no	\$2,944.09
128	Agricultural Energy Management Plan - Written	AgEMP 128 Large, Four Enterprise	no	\$5,739.20
128	Agricultural Energy Management Plan - Written	HU-AgEMP 128 Large, Four Enterprise	no	\$6,887.04

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128	Agricultural Energy Management Plan - Written	AgEMP 128 Medium, Four Enterprise	no	\$4,374.78
128	Agricultural Energy Management Plan - Written	HU-AgEMP 128 Medium, Four Enterprise	no	\$5,249.74
128	Agricultural Energy Management Plan - Written	AgEMP Large, One Enterprise	no	\$2,627.31
128	Agricultural Energy Management Plan - Written	HU-AgEMP Large, One Enterprise	no	\$3,152.78
128	Agricultural Energy Management Plan - Written	AgEMP Large, Three Enterprise	no	\$5,036.69
128	Agricultural Energy Management Plan - Written	HU-AgEMP Large, Three Enterprise	no	\$6,044.03
128	Agricultural Energy Management Plan - Written	AgEMP Large, Two Enterprises	no	\$4,578.23
128	Agricultural Energy Management Plan - Written	HU-AgEMP Large, Two Enterprises	no	\$5,493.87
128	Agricultural Energy Management Plan - Written	AgEMP Medium Two Enterprises	no	\$3,354.01
128	Agricultural Energy Management Plan - Written	HU-AgEMP Medium Two Enterprises	no	\$4,024.81
128	Agricultural Energy Management Plan - Written	AgEMP Medium, One Enterprise	no	\$1,994.91
128	Agricultural Energy Management Plan - Written	HU-AgEMP Medium, One Enterprise	no	\$2,393.89
128	Agricultural Energy Management Plan - Written	AgEMP Medium, Three Enterprise	no	\$3,742.37
128	Agricultural Energy Management Plan - Written	HU-AgEMP Medium, Three Enterprise	no	\$4,490.85
128	Agricultural Energy Management Plan - Written	AgEMP Small, Four Enterprises	no	\$3,501.05
128	Agricultural Energy Management Plan - Written	HU-AgEMP Small, Four Enterprises	no	\$4,201.26
128	Agricultural Energy Management Plan - Written	AgEMP Small, One Enterprise	no	\$1,606.54
128	Agricultural Energy Management Plan - Written	HU-AgEMP Small, One Enterprise	no	\$1,927.85
128	Agricultural Energy Management Plan - Written	AgEMP Small, Three Enterprise	no	\$2,868.64
128	Agricultural Energy Management Plan - Written	HU-AgEMP Small, Three Enterprise	no	\$3,442.37
128	Agricultural Energy Management Plan - Written	AgEMP Small, Two Enterprise	no	\$2,480.27
128	Agricultural Energy Management Plan - Written	HU-AgEMP Small, Two Enterprise	no	\$2,976.33
130	Drainage Water Management Plan - Written	DWMP - No Tile Map Available	no	\$2,486.30
130	Drainage Water Management Plan - Written	HU-DWMP - No Tile Map Available	no	\$2,983.56
130	Drainage Water Management Plan - Written	DWMP - Tile Map Available	no	\$2,084.11
130	Drainage Water Management Plan - Written	HU-DWMP - Tile Map Available	no	\$2,500.93
132	Soil Resources Planning - Written	Soil Resources Plan	no	\$1,676.46
132	Soil Resources Planning - Written	HU-Soil Resources Plan	no	\$2,011.76
138	Conservation Plan Supporting Organic Transition - Written	Conservation Plan Supporting Organic Transition CAP Crops and Livestock	no	\$4,385.72
138	Conservation Plan Supporting Organic Transition - Written	HU-Conservation Plan Supporting Organic Transition CAP Crops and Livestock	no	\$5,262.87
138	Conservation Plan Supporting Organic Transition - Written	Conservation Plan Supporting Organic Transition CAP Crops or Livestock	no	\$3,742.48

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138	Conservation Plan Supporting Organic Transition - Written	HU-Conservation Plan Supporting Organic Transition CAP Crops or Livestock	no	\$4,490.98
142	Fish and Wildlife Habitat Plan - Written	Fish & Wildlife Habitat Management CAP (1 Land Use)	no	\$2,182.45
142	Fish and Wildlife Habitat Plan - Written	HU-Fish & Wildlife Habitat Management CAP (1 Land Use)	no	\$2,618.94
142	Fish and Wildlife Habitat Plan - Written	Fish & Wildlife Habitat Management CAP (2 Land Uses)	no	\$2,667.44
142	Fish and Wildlife Habitat Plan - Written	HU-Fish & Wildlife Habitat Management CAP (2 Land Uses)	no	\$3,200.93
142	Fish and Wildlife Habitat Plan - Written	Fish & Wildlife Habitat Management CAP (Three Land Uses)	no	\$3,152.43
142	Fish and Wildlife Habitat Plan - Written	HU-Fish & Wildlife Habitat Management CAP (Three Land Uses)	no	\$3,782.92
146	Pollinator Habitat Plan - Written	Pollinator Habitat Enhancement Plan CAP	no	\$2,546.19
146	Pollinator Habitat Plan - Written	HU-Pollinator Habitat Enhancement Plan CAP	no	\$3,055.43
146	Pollinator Habitat Plan - Written	Pollinator Habitat Enhancement Plan CAP - No Local TSP	no	\$3,698.04
146	Pollinator Habitat Plan - Written	HU-Pollinator Habitat Enhancement Plan CAP - No Local TSP	no	\$4,437.65
313	Waste Storage Facility	Above Ground Steel or Concrete, between 100 and 200K ft3 storage	cu ft	\$1.16
313	Waste Storage Facility	HU-Above Ground Steel or Concrete, between 100 and 200K ft3 storage	cu ft	\$1.75
313	Waste Storage Facility	Above Ground Steel or Concrete, greater than 200K ft3 storage	cu ft	\$1.21
313	Waste Storage Facility	HU-Above Ground Steel or Concrete, greater than 200K ft3 storage	cu ft	\$1.81
313	Waste Storage Facility	Above Ground Steel or Concrete, less than 25K ft3 storage	cu ft	\$3.64
313	Waste Storage Facility	HU-Above Ground Steel or Concrete, less than 25K ft3 storage	cu ft	\$5.46
313	Waste Storage Facility	Above Ground Steel or Concrete, between 25 and100K ft3 storage	cu ft	\$1.44
313	Waste Storage Facility	HU-Above Ground Steel or Concrete, between 25 and100K ft3 storage	cu ft	\$2.16
313	Waste Storage Facility	Concrete Storage Tank, Buried, greater than equal to 110K ft3	cu ft	\$0.67
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, greater than equal to 110K ft3	cu ft	\$1.01
313	Waste Storage Facility	Concrete Storage Tank, Buried, greater than or equal to 15K and less than 25K ft3	cu ft	\$1.16
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, greater than or equal to 15K and less than 25K ft3	cu ft	\$1.75
313	Waste Storage Facility	Concrete Storage Tank, Buried, greater than or equal to 25K and less than 50K ft3	cu ft	\$0.94
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, greater than or equal to 25K and less than 50K ft3	cu ft	\$1.42
313	Waste Storage Facility	Concrete Storage Tank, Buried, greater than or equal to 50K and less than 75K ft3	cu ft	\$0.82
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, greater than or equal to 50K and less than 75K ft3	cu ft	\$1.23
313	Waste Storage Facility	Concrete Storage Tank, Buried, greater than or equal to 5K and less than 15K ft3	cu ft	\$1.51
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, greater than or equal to 5K and less than 15K ft3	cu ft	\$2.26
313	Waste Storage Facility	Concrete Storage Tank, Buried, greater than or equal to 75K and less than 110K ft3	cu ft	\$0.73
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, greater than or equal to 75K and less than 110K ft3	cu ft	\$1.09

Code	Practice	Component	Units	Unit Cost
313	Waste Storage Facility	Concrete Storage Tank, Buried, less than 5K ft3	cu ft	\$3.83
313	Waste Storage Facility	HU-Concrete Storage Tank, Buried, less than 5K ft3	cu ft	\$5.75
313	Waste Storage Facility	Dry Stack, Concrete floor, and Wood wall or Modular Block Wall	sq ft	\$3.92
313	Waste Storage Facility	HU-Dry Stack, Concrete floor, and Wood wall or Modular Block Wall	sq ft	\$5.88
313	Waste Storage Facility	Dry Stack, Nonreinforced concrete floor, Reinforced concrete wall	sq ft	\$5.58
313	Waste Storage Facility	HU-Dry Stack, Nonreinforced concrete floor, Reinforced concrete wall	sq ft	\$8.37
313	Waste Storage Facility	Dry Stack, Reinforced concrete floor, Reinforced concrete wall	sq ft	\$6.76
313	Waste Storage Facility	HU-Dry Stack, Reinforced concrete floor, Reinforced concrete wall	sq ft	\$10.13
313	Waste Storage Facility	Earthen Storage Facility, Above Ground, Embankment	cu ft	\$0.68
313	Waste Storage Facility	HU-Earthen Storage Facility, Above Ground, Embankment	cu ft	\$1.03
313	Waste Storage Facility	Earthen Storage Facility, In ground, less than 50K ft3 Storage	cu ft	\$0.20
313	Waste Storage Facility	HU-Earthen Storage Facility, In ground, less than 50K ft3 Storage	cu ft	\$0.29
313	Waste Storage Facility	Earthen Storage Facility, Inground, greater than 50K ft3 Storage	cu ft	\$0.15
313	Waste Storage Facility	HU-Earthen Storage Facility, Inground, greater than 50K ft3 Storage	cu ft	\$0.22
314	Brush Management	Chemical, Aerial Applied	ac	\$14.37
314	Brush Management	HU-Chemical, Aerial Applied	ac	\$21.56
314	Brush Management	Chemical, Ground Applied	ac	\$12.84
314	Brush Management	HU-Chemical, Ground Applied	ac	\$19.26
314	Brush Management	Chemical, Individual Plant Treatment	ac	\$17.22
314	Brush Management	HU-Chemical, Individual Plant Treatment	ac	\$25.83
314	Brush Management	Hand Cut and Chemical, Small Shrubs, Dense Infestation	ac	\$419.80
314	Brush Management	HU-Hand Cut and Chemical, Small Shrubs, Dense Infestation	ac	\$629.70
314	Brush Management	Mechanical, Hand tools	ac	\$38.21
314	Brush Management	HU-Mechanical, Hand tools	ac	\$57.31
314	Brush Management	Mechanical, Large Shrubs	ac	\$212.40
314	Brush Management	HU-Mechanical, Large Shrubs	ac	\$318.60
314	Brush Management	Mechanical, Small Shrubs	ac	\$57.45
314	Brush Management	HU-Mechanical, Small Shrubs	ac	\$86.18
315	Herbaceous Weed Treatment	Chemical, Spot	ac	\$18.69
315	Herbaceous Weed Treatment	HU-Chemical, Spot	ac	\$28.03
315	Herbaceous Weed Treatment	Control of Aquatic Invasives, Hand Pulling	ac	\$872.14

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315	Herbaceous Weed Treatment	HU-Control of Aquatic Invasives, Hand Pulling	ac	\$1,308.21
315	Herbaceous Weed Treatment	Control of Aquatic Invasives, Mechanical	ac	\$725.61
315	Herbaceous Weed Treatment	HU-Control of Aquatic Invasives, Mechanical	ac	\$1,088.41
315	Herbaceous Weed Treatment	Mechanical	ac	\$30.25
315	Herbaceous Weed Treatment	HU-Mechanical	ac	\$45.37
315	Herbaceous Weed Treatment	mechanical and chemical	ac	\$63.26
315	Herbaceous Weed Treatment	HU-mechanical and chemical	ac	\$94.89
315	Herbaceous Weed Treatment	split method and event series	ac	\$74.32
315	Herbaceous Weed Treatment	HU-split method and event series	ac	\$111.48
316	Animal Mortality Facility	Animal Mortality Composting Facility	sq ft	\$21.42
316	Animal Mortality Facility	HU-Animal Mortality Composting Facility	sq ft	\$32.13
317	Composting Facility	Bins with Concrete Floor	sq ft	\$11.19
317	Composting Facility	HU-Bins with Concrete Floor	sq ft	\$16.79
317	Composting Facility	Composting Drum	cu ft	\$87.04
317	Composting Facility	HU-Composting Drum	cu ft	\$130.55
325	High Tunnel System	Contiguous US Snow	sq ft	\$2.33
325	High Tunnel System	HU-Contiguous US Snow	sq ft	\$3.50
327	Conservation Cover	Introduced Species	ac	\$77.81
327	Conservation Cover	HU-Introduced Species	ac	\$116.72
327	Conservation Cover	Introduced with Forgone Income	ac	\$465.44
327	Conservation Cover	HU-Introduced with Forgone Income	ac	\$497.64
327	Conservation Cover	Native Species	ac	\$95.13
327	Conservation Cover	HU-Native Species	ac	\$142.69
327	Conservation Cover	Native Species with Forgone Income	ac	\$496.16
327	Conservation Cover	HU-Native Species with Forgone Income	ac	\$543.72
327	Conservation Cover	Pollinator Species	ac	\$545.42
327	Conservation Cover	HU-Pollinator Species	ac	\$818.13
327	Conservation Cover	Pollinator Species with Forgone Income	ac	\$946.45
327	Conservation Cover	HU-Pollinator Species with Forgone Income	ac	\$1,219.17
328	Conservation Crop Rotation	Basic Rotation Organic and Non-Organic	ac	\$6.62
328	Conservation Crop Rotation	HU-Basic Rotation Organic and Non-Organic	ac	\$9.92

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328	Conservation Crop Rotation	Irrigated to Dryland Rotation Organic and Non-Organic	ac	\$84.37
328	Conservation Crop Rotation	HU-Irrigated to Dryland Rotation Organic and Non-Organic	ac	\$86.03
328	Conservation Crop Rotation	Specialty Crops Organic and Non-Organic	ac	\$17.64
328	Conservation Crop Rotation	HU-Specialty Crops Organic and Non-Organic	ac	\$26.46
329	Residue and Tillage Management, No-Till	No Till Adaptive Management	Ea	\$1,673.50
329	Residue and Tillage Management, No-Till	HU-No Till Adaptive Management	Ea	\$2,510.25
329	Residue and Tillage Management, No-Till	No-Till/Strip-Till	ac	\$11.03
329	Residue and Tillage Management, No-Till	HU-No-Till/Strip-Till	ac	\$16.55
329	Residue and Tillage Management, No-Till	No-Till/Strip-Till with Herbicide and No Cover Crop	ac	\$18.33
329	Residue and Tillage Management, No-Till	HU-No-Till/Strip-Till with Herbicide and No Cover Crop	ac	\$27.49
330	Contour Farming	Contour Farming	ac	\$4.76
330	Contour Farming	HU-Contour Farming	ac	\$7.14
332	Contour Buffer Strips	Introduced Species, Foregone Income (Organic and Non-Organic)	ac	\$453.07
332	Contour Buffer Strips	HU-Introduced Species, Foregone Income (Organic and Non-Organic)	ac	\$479.03
332	Contour Buffer Strips	Introduced-High Value Cropland	ac	\$1,107.48
332	Contour Buffer Strips	HU-Introduced-High Value Cropland	ac	\$1,133.45
332	Contour Buffer Strips	Native Species, Foregone Income (Organic and Non-organic)	ac	\$457.45
332	Contour Buffer Strips	HU-Native Species, Foregone Income (Organic and Non-organic)	ac	\$485.61
332	Contour Buffer Strips	Native, Foregone Income-High Value Cropland	ac	\$1,111.87
332	Contour Buffer Strips	HU-Native, Foregone Income-High Value Cropland	ac	\$1,140.03
332	Contour Buffer Strips	Wildlife/Pollinator, Foregone Income (Organic and Non-Organic)	ac	\$498.36
332	Contour Buffer Strips	HU-Wildlife/Pollinator, Foregone Income (Organic and Non-Organic)	ac	\$546.97
332	Contour Buffer Strips	Wildlife/Pollinator-High Value Cropland	ac	\$1,152.77
332	Contour Buffer Strips	HU-Wildlife/Pollinator-High Value Cropland	ac	\$1,201.39
338	Prescribed Burning	Level Terrain, Volatile or woody fuels	ac	\$90.23
338	Prescribed Burning	HU-Level Terrain, Volatile or woody fuels	ac	\$135.34
338	Prescribed Burning	Level to Moderate Terrain, Herbaceous Fuel Non-Volatile	ac	\$45.70
338	Prescribed Burning	HU-Level to Moderate Terrain, Herbaceous Fuel Non-Volatile	ac	\$68.55
338	Prescribed Burning	Site Preparation	ac	\$23.35
338	Prescribed Burning	HU-Site Preparation	ac	\$35.03
338	Prescribed Burning	Steep Terrain, Herbaceous Fuel	ac	\$95.49

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338	Prescribed Burning	HU-Steep Terrain, Herbaceous Fuel	ac	\$143.24
338	Prescribed Burning	Steep Terrain, Volatile or Woody fuels	ac	\$10.64
338	Prescribed Burning	HU-Steep Terrain, Volatile or Woody fuels	ac	\$15.96
338	Prescribed Burning	Tribal Special Purpose	ac	\$740.46
338	Prescribed Burning	HU-Tribal Special Purpose	ac	\$1,110.69
338	Prescribed Burning	Understory Burn	ac	\$11.07
338	Prescribed Burning	HU-Understory Burn	ac	\$16.60
340	Cover Crop	Cover Crop - Adaptive Management	Ea	\$1,251.72
340	Cover Crop	HU-Cover Crop - Adaptive Management	Ea	\$1,877.58
340	Cover Crop	Cover Crop - Basic (Organic and Non-organic)	ac	\$34.02
340	Cover Crop	HU-Cover Crop - Basic (Organic and Non-organic)	ac	\$51.03
340	Cover Crop	Cover Crop - Basic Organic	ac	\$41.84
340	Cover Crop	HU-Cover Crop - Basic Organic	ac	\$62.76
340	Cover Crop	Cover Crop - Multiple Species (Organic and Non-organic)	ac	\$38.07
340	Cover Crop	HU-Cover Crop - Multiple Species (Organic and Non-organic)	ac	\$57.10
340	Cover Crop	Cover Crop - No Termination Needed, Basic and organic/non-organic	ac	\$20.14
340	Cover Crop	HU-Cover Crop - No Termination Needed, Basic and organic/non-organic	ac	\$30.22
342	Critical Area Planting	Grass Plugs	sq ft	\$0.04
342	Critical Area Planting	HU-Grass Plugs	sq ft	\$0.06
342	Critical Area Planting	Hydroseeding	sq ft	\$0.04
342	Critical Area Planting	HU-Hydroseeding	sq ft	\$0.06
342	Critical Area Planting	Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	ac	\$293.77
342	Critical Area Planting	HU-Native or Introduced Vegetation - Moderate Grading (Organic and Non-Organic)	ac	\$440.66
342	Critical Area Planting	Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	ac	\$91.22
342	Critical Area Planting	HU-Native or Introduced Vegetation - Normal Tillage (Organic and Non-Organic)	ac	\$136.84
350	Sediment Basin	Embankment earthen basin with pipe	CuYd	\$2.77
350	Sediment Basin	HU-Embankment earthen basin with pipe	CuYd	\$4.15
350	Sediment Basin	Excavated volume	CuYd	\$1.34
350	Sediment Basin	HU-Excavated volume	CuYd	\$2.01
351	Well Decommissioning	Deep Drilled Well - Bedrock Not Present	ft	\$6.09
351	Well Decommissioning	HU-Deep Drilled Well - Bedrock Not Present	ft	\$9.14

Code	Practice	Component	Units	Unit Cost
351	Well Decommissioning	Deep Drilled Well - Bedrock Present	ft	\$11.27
351	Well Decommissioning	HU-Deep Drilled Well - Bedrock Present	ft	\$16.90
351	Well Decommissioning	Dug Well	Ea	\$868.43
351	Well Decommissioning	HU-Dug Well	Ea	\$1,302.64
351	Well Decommissioning	Shallow Drilled Well Sealed with Grout	Ea	\$436.93
351	Well Decommissioning	HU-Shallow Drilled Well Sealed with Grout	Ea	\$655.40
356	Dike	Dike	CuYd	\$2.69
356	Dike	HU-Dike	CuYd	\$4.03
360	Waste Facility Closure	Closure of Liquid Waste Impoundment disposal offsite	cu ft	\$0.17
360	Waste Facility Closure	HU-Closure of Liquid Waste Impoundment disposal offsite	cu ft	\$0.25
360	Waste Facility Closure	Closure of Liquid Waste Impoundment disposal onsite	cu ft	\$0.12
360	Waste Facility Closure	HU-Closure of Liquid Waste Impoundment disposal onsite	cu ft	\$0.19
360	Waste Facility Closure	Poultry House Soil Remediation	cu ft	\$0.42
360	Waste Facility Closure	HU-Poultry House Soil Remediation	cu ft	\$0.62
362	Diversion	Earthen	ft	\$1.57
362	Diversion	HU-Earthen	ft	\$2.36
362	Diversion	Reinforced Concrete Channel, Flat Slab	ft	\$47.06
362	Diversion	HU-Reinforced Concrete Channel, Flat Slab	ft	\$70.59
362	Diversion	Reinforced Concrete Curb With Footer	ft	\$16.29
362	Diversion	HU-Reinforced Concrete Curb With Footer	ft	\$24.43
362	Diversion	Reinforced Concrete Curb, Doweled into Slab	ft	\$4.97
362	Diversion	HU-Reinforced Concrete Curb, Doweled into Slab	ft	\$7.45
366	Anaerobic Digester	Small Complete Mix less than 1000 AU	ani unt	\$406.84
366	Anaerobic Digester	HU-Small Complete Mix less than 1000 AU	ani unt	\$610.25
366	Anaerobic Digester	Small Plug Flow less than 1000 AU	ani unt	\$696.53
366	Anaerobic Digester	HU-Small Plug Flow less than 1000 AU	ani unt	\$1,044.80
367	Roofs and Covers	Bin Roof	sq ft	\$3.04
367	Roofs and Covers	HU-Bin Roof	sq ft	\$4.55
367	Roofs and Covers	Flexible Membrane Cover	sq ft	\$3.59
367	Roofs and Covers	HU-Flexible Membrane Cover	sq ft	\$5.39
367	Roofs and Covers	Hoop frame and flexible Roof	sq ft	\$5.12

Code	Practice	Component	Units	Unit Cost
367	Roofs and Covers	HU-Hoop frame and flexible Roof	sq ft	\$7.69
367	Roofs and Covers	Roof Structure, 30 ft to 60 ft Wide, High Snow Load	sq ft	\$6.90
367	Roofs and Covers	HU-Roof Structure, 30 ft to 60 ft Wide, High Snow Load	sq ft	\$10.35
372	Combustion System Improvement	Electric Motor in-lieu of IC Engine, 12 HP and Greater	HP	\$91.94
372	Combustion System Improvement	HU-Electric Motor in-lieu of IC Engine, 12 HP and Greater	HP	\$137.91
372	Combustion System Improvement	Electric Motor in-lieu of IC Engine, less than 12 HP	Ea	\$671.78
372	Combustion System Improvement	HU-Electric Motor in-lieu of IC Engine, less than 12 HP	Ea	\$1,007.67
374	FARMSTEAD ENERGY IMPROVEMENT	Automatic Controller System	Ea	\$828.15
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Automatic Controller System	Ea	\$1,242.22
374	FARMSTEAD ENERGY IMPROVEMENT	Enhanced Preheater	sq ft	\$158.10
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Enhanced Preheater	sq ft	\$237.15
374	FARMSTEAD ENERGY IMPROVEMENT	Evaporator Wood-Fired, Air Injected	sq ft	\$199.62
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Evaporator Wood-Fired, Air Injected	sq ft	\$299.43
374	FARMSTEAD ENERGY IMPROVEMENT	Evaporator Wood-Fired, Gasifier	sq ft	\$374.52
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Evaporator Wood-Fired, Gasifier	sq ft	\$561.78
374	FARMSTEAD ENERGY IMPROVEMENT	Heating - Attic Heat Recovery vents	Ea	\$83.94
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Heating - Attic Heat Recovery vents	Ea	\$125.92
374	FARMSTEAD ENERGY IMPROVEMENT	Heating - Radiant Systems	Ea	\$763.77
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Heating - Radiant Systems	Ea	\$1,145.66
374	FARMSTEAD ENERGY IMPROVEMENT	Heating - Root Zone Heating	LnFt	\$1.33
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Heating - Root Zone Heating	LnFt	\$2.00
374	FARMSTEAD ENERGY IMPROVEMENT	Heating (Building)	Ea	\$1,034.74
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Heating (Building)	Ea	\$1,552.11
374	FARMSTEAD ENERGY IMPROVEMENT	Low Energy Livestock Waterers	Ea	\$545.23
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Low Energy Livestock Waterers	Ea	\$817.84
374	FARMSTEAD ENERGY IMPROVEMENT	Motor Upgrade = 1 HP	Ea	\$303.24
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Motor Upgrade = 1 HP	Ea	\$454.86
374	FARMSTEAD ENERGY IMPROVEMENT	Motor Upgrade > 1 and < 10 HP	HP	\$83.44
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Motor Upgrade > 1 and < 10 HP	HP	\$125.16
374	FARMSTEAD ENERGY IMPROVEMENT	Motor Upgrade 10 - 100 HP	HP	\$72.07
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Motor Upgrade 10 - 100 HP	HP	\$108.11

Code	Practice	Component	Units	Unit Cost
374	FARMSTEAD ENERGY IMPROVEMENT	Plate Cooler	Ea	\$3,451.01
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Plate Cooler	Ea	\$5,176.51
374	FARMSTEAD ENERGY IMPROVEMENT	Plate Cooler-Small	Ea	\$2,374.50
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Plate Cooler-Small	Ea	\$3,561.76
374	FARMSTEAD ENERGY IMPROVEMENT	Scroll Compressor	HP	\$422.81
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Scroll Compressor	HP	\$634.22
374	FARMSTEAD ENERGY IMPROVEMENT	Variable Speed Drive 15 HP or Less	Ea	\$1,455.18
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Variable Speed Drive 15 HP or Less	Ea	\$2,182.77
374	FARMSTEAD ENERGY IMPROVEMENT	Variable Speed Drive Over 15 HP	HP	\$111.37
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Variable Speed Drive Over 15 HP	HP	\$167.06
374	FARMSTEAD ENERGY IMPROVEMENT	Ventilation - Replacement of Conventional Exhaust Fan with High Efficiency Exhaust Fan	Ea	\$712.61
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Ventilation - Replacement of Conventional Exhaust Fan with High Efficiency Exhaust Fan	Ea	\$1,068.91
374	FARMSTEAD ENERGY IMPROVEMENT	Ventilation - Replacement of Horizontal Air Flow Fan with Efficient HAF Fan	Ea	\$113.05
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Ventilation - Replacement of Horizontal Air Flow Fan with Efficient HAF Fan	Ea	\$169.57
374	FARMSTEAD ENERGY IMPROVEMENT	Ventilation - Replacement of Less Efficient Circulation Fan with High Volume Low Speed Fan	Ea	\$2,762.28
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Ventilation - Replacement of Less Efficient Circulation Fan with High Volume Low Speed Fan	Ea	\$4,143.41
374	FARMSTEAD ENERGY IMPROVEMENT	Washer - Extractor	Ea	\$4,058.67
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Washer - Extractor	Ea	\$6,088.01
374	FARMSTEAD ENERGY IMPROVEMENT	Water Heating - Compressor Heat Recovery	Ea	\$1,908.16
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Water Heating - Compressor Heat Recovery	Ea	\$2,862.24
374	FARMSTEAD ENERGY IMPROVEMENT	Water Heating - High Efficiency or Tankless Water Heater	Ea	\$1,552.67
374	FARMSTEAD ENERGY IMPROVEMENT	HU-Water Heating - High Efficiency or Tankless Water Heater	Ea	\$2,329.00
378	Pond	Embankment Pond With Vegetated Spillway	CuYd	\$3.68
378	Pond	HU-Embankment Pond With Vegetated Spillway	CuYd	\$5.51
378	Pond	Embankment with Pipe	CuYd	\$4.36
378	Pond	HU-Embankment with Pipe	CuYd	\$6.54
378	Pond	Excavated Pond without Pipe	CuYd	\$2.95
378	Pond	HU-Excavated Pond without Pipe	CuYd	\$4.43

Code	Practice	Component	Units	Unit Cost
380	Windbreak/Shelterbelt Establishment	shrubs and hardwoods with protection, per foot of row planted	ft	\$0.64
380	Windbreak/Shelterbelt Establishment	HU-shrubs and hardwoods with protection, per foot of row planted	ft	\$0.90
380	Windbreak/Shelterbelt Establishment	shrubs and hardwoods, per foot of row planted	ft	\$0.38
380	Windbreak/Shelterbelt Establishment	HU-shrubs and hardwoods, per foot of row planted	ft	\$0.50
382	Fence	Chain link	ft	\$7.32
382	Fence	HU-Chain link	ft	\$10.97
382	Fence	Electric, High Tensile	ft	\$0.89
382	Fence	HU-Electric, High Tensile	ft	\$1.34
382	Fence	Feed or Feeding Area Enclosure	ft	\$2.23
382	Fence	HU-Feed or Feeding Area Enclosure	ft	\$3.35
382	Fence	High Tensile Electric One Strand	ft	\$0.42
382	Fence	HU-High Tensile Electric One Strand	ft	\$0.63
382	Fence	Multi Strand Barbed or smooth Wire Difficult terrain	ft	\$1.47
382	Fence	HU-Multi Strand Barbed or smooth Wire Difficult terrain	ft	\$2.20
382	Fence	Multi Strand Barbed/Smooth Wire	ft	\$1.09
382	Fence	HU-Multi Strand Barbed/Smooth Wire	ft	\$1.63
382	Fence	Safety	ft	\$2.09
382	Fence	HU-Safety	ft	\$3.14
384	Woody Residue Treatment	Restoration or conservation treatment following catastrophic events	ac	\$430.53
384	Woody Residue Treatment	HU-Restoration or conservation treatment following catastrophic events	ac	\$645.80
386	Field Border	Field Border, Introduced Species, Forgone Income	ac	\$445.47
386	Field Border	HU-Field Border, Introduced Species, Forgone Income	ac	\$467.69
386	Field Border	Field Border, Native Species, Forgone Income	ac	\$466.33
386	Field Border	HU-Field Border, Native Species, Forgone Income	ac	\$498.98
386	Field Border	Field Border, Pollinator, Forgone Income	ac	\$928.62
386	Field Border	HU-Field Border, Pollinator, Forgone Income	ac	\$1,192.42
390	Riparian Herbaceous Cover	Native Species with forgone income	ac	\$403.40
390	Riparian Herbaceous Cover	HU-Native Species with forgone income	ac	\$439.13
390	Riparian Herbaceous Cover	Native Species, Pollinator Planting with forgone income	ac	\$584.16
390	Riparian Herbaceous Cover	HU-Native Species, Pollinator Planting with forgone income	ac	\$710.27
391	Riparian Forest Buffer	Bare Root, hand planted	ac	\$1,769.87

Code	Practice	Component	Units	Unit Cost
391	Riparian Forest Buffer	HU-Bare Root, hand planted	ac	\$2,488.98
391	Riparian Forest Buffer	Bare Root, machine planted	ac	\$1,300.83
391	Riparian Forest Buffer	HU-Bare Root, machine planted	ac	\$1,785.41
391	Riparian Forest Buffer	Cuttings	ac	\$2,397.23
391	Riparian Forest Buffer	HU-Cuttings	ac	\$3,430.70
391	Riparian Forest Buffer	Seeding	ac	\$674.24
391	Riparian Forest Buffer	HU-Seeding	ac	\$845.59
391	Riparian Forest Buffer	Small container, hand planted	ac	\$1,887.21
391	Riparian Forest Buffer	HU-Small container, hand planted	ac	\$2,664.98
391	Riparian Forest Buffer	Small container, machine planted	ac	\$1,388.02
391	Riparian Forest Buffer	HU-Small container, machine planted	ac	\$1,916.20
393	Filter Strip	Filter Strip, Introduced species, Forgone Income	ac	\$492.15
393	Filter Strip	HU-Filter Strip, Introduced species, Forgone Income	ac	\$537.71
393	Filter Strip	Filter Strip, Native species, Forgone Income	ac	\$500.00
393	Filter Strip	HU-Filter Strip, Native species, Forgone Income	ac	\$549.49
394	Firebreak	Constructed, Medium equipment, flat to medium slopes	ft	\$0.28
394	Firebreak	HU-Constructed, Medium equipment, flat to medium slopes	ft	\$0.42
394	Firebreak	Vegetated permanent firebreak	ft	\$0.11
394	Firebreak	HU-Vegetated permanent firebreak	ft	\$0.16
395	Stream Habitat Improvement and Management	Fish Barrier	CuYd	\$3,708.13
395	Stream Habitat Improvement and Management	HU-Fish Barrier	CuYd	\$5,562.19
395	Stream Habitat Improvement and Management	Instream rock placement, each	Ea	\$355.24
395	Stream Habitat Improvement and Management	HU-Instream rock placement, each	Ea	\$532.86
395	Stream Habitat Improvement and Management	Instream rock placement, feet	ft	\$71.05
395	Stream Habitat Improvement and Management	HU-Instream rock placement, feet	ft	\$106.57
395	Stream Habitat Improvement and Management	Instream wood placement	Ea	\$369.30
395	Stream Habitat Improvement and Management	HU-Instream wood placement	Ea	\$553.94
395	Stream Habitat Improvement and Management	Instream wood placement, average density	sq ft	\$0.52
395	Stream Habitat Improvement and Management	HU-Instream wood placement, average density	sq ft	\$0.78
395	Stream Habitat Improvement and Management	Instream wood placement, high density	sq ft	\$1.26
395	Stream Habitat Improvement and Management	HU-Instream wood placement, high density	sq ft	\$1.89

Code	Practice	Component	Units	Unit Cost
395	Stream Habitat Improvement and Management	Lunker Structure	Ea	\$263.34
395	Stream Habitat Improvement and Management	HU-Lunker Structure	Ea	\$395.02
395	Stream Habitat Improvement and Management	Rock and wood structures	ac	\$17,370.33
395	Stream Habitat Improvement and Management	HU-Rock and wood structures	ac	\$26,055.50
396	Aquatic Organism Passage	Blockage Removal, remote access	Ea	\$272.48
396	Aquatic Organism Passage	HU-Blockage Removal, remote access	Ea	\$408.72
396	Aquatic Organism Passage	Blockage Removal, road access	Ea	\$223.00
396	Aquatic Organism Passage	HU-Blockage Removal, road access	Ea	\$334.50
396	Aquatic Organism Passage	Bottomless Culvert	cu ft	\$15.16
396	Aquatic Organism Passage	HU-Bottomless Culvert	cu ft	\$22.73
396	Aquatic Organism Passage	CMP Culvert, Greater Than 96 inch Diameter	DialnFt	\$4.69
396	Aquatic Organism Passage	HU-CMP Culvert, Greater Than 96 inch Diameter	DialnFt	\$7.03
396	Aquatic Organism Passage	CMP Culvert, Less Than or Equal to 96 inch Diameter	DialnFt	\$4.41
396	Aquatic Organism Passage	HU-CMP Culvert, Less Than or Equal to 96 inch Diameter	DialnFt	\$6.61
396	Aquatic Organism Passage	Concrete Box Culvert	cu ft	\$12.98
396	Aquatic Organism Passage	HU-Concrete Box Culvert	cu ft	\$19.48
396	Aquatic Organism Passage	Earthen Dam Removal Fill Height 8 Foot or Less	CuYd	\$8.43
396	Aquatic Organism Passage	HU-Earthen Dam Removal Fill Height 8 Foot or Less	CuYd	\$12.64
396	Aquatic Organism Passage	Earthen Dam Removal Fill Height Greater than 8 Feet	CuYd	\$5.21
396	Aquatic Organism Passage	HU-Earthen Dam Removal Fill Height Greater than 8 Feet	CuYd	\$7.82
397	Aquaculture Ponds	Excavated	ac	\$13,927.68
397	Aquaculture Ponds	HU-Excavated	ac	\$20,891.53
397	Aquaculture Ponds	Excavated With Harvest Kettle	ac	\$20,813.69
397	Aquaculture Ponds	HU-Excavated With Harvest Kettle	ac	\$31,220.53
397	Aquaculture Ponds	Partial Embankment	ac	\$20,715.50
397	Aquaculture Ponds	HU-Partial Embankment	ac	\$31,073.25
397	Aquaculture Ponds	Partial Embankment With Harvest Kettle	ac	\$27,380.76
397	Aquaculture Ponds	HU-Partial Embankment With Harvest Kettle	ac	\$41,071.13
410	Grade Stabilization Structure	Aluminum, Steel or concrete toe wall	Ea	\$7,718.35
410	Grade Stabilization Structure	HU-Aluminum, Steel or concrete toe wall	Ea	\$11,577.53
410	Grade Stabilization Structure	Concrete Block or Rock Chute	sq ft	\$5.90

Code	Practice	Component	Units	Unit Cost
410	Grade Stabilization Structure	HU-Concrete Block or Rock Chute	sq ft	\$8.85
410	Grade Stabilization Structure	Culvert Outlet Protection, MN TR3	Ea	\$888.67
410	Grade Stabilization Structure	HU-Culvert Outlet Protection, MN TR3	Ea	\$1,333.01
410	Grade Stabilization Structure	Drop Inlet to Culvert	Ea	\$2,278.51
410	Grade Stabilization Structure	HU-Drop Inlet to Culvert	Ea	\$3,417.76
410	Grade Stabilization Structure	Embankment Dam - Drainage Area > 200 Acres	Ea	\$21,905.10
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area > 200 Acres	Ea	\$32,857.65
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 0 to 5 Acres	Ea	\$3,105.37
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 0 to 5 Acres	Ea	\$4,658.05
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 10.1 to 20 Acres	Ea	\$5,869.56
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 10.1 to 20 Acres	Ea	\$8,804.34
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 100.1 to 200 Acres	Ea	\$18,384.69
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 100.1 to 200 Acres	Ea	\$27,577.04
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 20.1 to 40 Acres	Ea	\$9,556.23
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 20.1 to 40 Acres	Ea	\$14,334.34
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 40.1 to 70 Acres	Ea	\$15,541.59
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 40.1 to 70 Acres	Ea	\$23,312.38
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 5.1 to 10 Acres	Ea	\$4,117.49
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 5.1 to 10 Acres	Ea	\$6,176.24
410	Grade Stabilization Structure	Embankment Dam - Drainage Area 70.1 to 100 Acres	Ea	\$16,605.39
410	Grade Stabilization Structure	HU-Embankment Dam - Drainage Area 70.1 to 100 Acres	Ea	\$24,908.08
410	Grade Stabilization Structure	Embankment Dam Rehab - Drainage Area > 200 Acres	Ea	\$11,963.48
410	Grade Stabilization Structure	HU-Embankment Dam Rehab - Drainage Area > 200 Acres	Ea	\$17,945.23
410	Grade Stabilization Structure	Embankment Dam Rehab - Drainage Area 0 to 20 Acres	Ea	\$3,974.48
410	Grade Stabilization Structure	HU-Embankment Dam Rehab - Drainage Area 0 to 20 Acres	Ea	\$5,961.71
410	Grade Stabilization Structure	Embankment Dam Rehab - Drainage Area 20.1 to 70 Acres	Ea	\$5,426.26
410	Grade Stabilization Structure	HU-Embankment Dam Rehab - Drainage Area 20.1 to 70 Acres	Ea	\$8,139.39
410	Grade Stabilization Structure	Embankment Dam Rehab - Drainage Area 70.1 to 200 Acres	Ea	\$8,655.97
410	Grade Stabilization Structure	HU-Embankment Dam Rehab - Drainage Area 70.1 to 200 Acres	Ea	\$12,983.95
410	Grade Stabilization Structure	Fabric Reinforced Vegetated Chute	sq ft	\$1.37
410	Grade Stabilization Structure	HU-Fabric Reinforced Vegetated Chute	sq ft	\$2.06

Code	Practice	Component	Units	Unit Cost
410	Grade Stabilization Structure	Plunge pool, Design Note-6	Ea	\$2,546.05
410	Grade Stabilization Structure	HU-Plunge pool, Design Note-6	Ea	\$3,819.07
410	Grade Stabilization Structure	Side Inlet Structure	Ea	\$1,783.29
410	Grade Stabilization Structure	HU-Side Inlet Structure	Ea	\$2,674.93
412	Grassed Waterway	Grassed Waterway with checks between 200 and 600 ac drainage area	ft	\$4.44
412	Grassed Waterway	HU-Grassed Waterway with checks between 200 and 600 ac drainage area	ft	\$6.66
412	Grassed Waterway	Grassed Waterway with checks greater than 600 ac drainage area	ft	\$8.82
412	Grassed Waterway	HU-Grassed Waterway with checks greater than 600 ac drainage area	ft	\$13.22
412	Grassed Waterway	Grassed Waterway with checks less than 200 ac drainage area	ft	\$3.79
412	Grassed Waterway	HU-Grassed Waterway with checks less than 200 ac drainage area	ft	\$5.69
412	Grassed Waterway	Waterway DA between 200 and 600 acres	ft	\$2.58
412	Grassed Waterway	HU-Waterway DA between 200 and 600 acres	ft	\$3.86
412	Grassed Waterway	Waterway DA greater than 600 acre	ft	\$5.28
412	Grassed Waterway	HU-Waterway DA greater than 600 acre	ft	\$7.93
412	Grassed Waterway	Waterway DA less than 200 acres	ft	\$2.44
412	Grassed Waterway	HU-Waterway DA less than 200 acres	ft	\$3.65
430	Irrigation Pipeline	Deep Buried HDPE or PVC Pipe, 5 to 6 feet deep, to service microirrigation system	Lb	\$9.31
430	Irrigation Pipeline	HU-Deep Buried HDPE or PVC Pipe, 5 to 6 feet deep, to service microirrigation system	Lb	\$13.97
430	Irrigation Pipeline	HDPE (Iron Pipe Size & Tubing) , Diameter 10 inches and greater, Underground installation	Lb	\$1.32
430	Irrigation Pipeline	HU-HDPE (Iron Pipe Size & Tubing) , Diameter 10 inches and greater, Underground installation	Lb	\$1.98
430	Irrigation Pipeline	HDPE (Iron Pipe Size & Tubing), Diameter 8 inches and less, Underground installation	Lb	\$1.49
430	Irrigation Pipeline	HU-HDPE (Iron Pipe Size & Tubing), Diameter 8 inches and less, Underground installation	Lb	\$2.23
430	Irrigation Pipeline	PVC (Iron Pipe Size (IPS) or Plastic Irrigation Pipe (PIP)), Diameter 8 inches and less, Underground installation	Lb	\$1.44
430	Irrigation Pipeline	HU-PVC (Iron Pipe Size (IPS) or Plastic Irrigation Pipe (PIP)), Diameter 8 inches and less, Underground installation	Lb	\$2.17
441	Irrigation System, Microirrigation	Subsurface Drip Irrigation (SDI)	ac	\$1,051.55
441	Irrigation System, Microirrigation	HU-Subsurface Drip Irrigation (SDI)	ac	\$1,577.33
441	Irrigation System, Microirrigation	Surface drip irrigation, hoop house	sq ft	\$0.12

Code	Practice	Component	Units	Unit Cost
441	Irrigation System, Microirrigation	HU-Surface drip irrigation, hoop house	sq ft	\$0.18
441	Irrigation System, Microirrigation	Surface Tape	ac	\$927.02
441	Irrigation System, Microirrigation	HU-Surface Tape	ac	\$1,390.54
442	Sprinkler System	Fertigation Retrofit, 30 gph Pump	Ea	\$1,761.17
442	Sprinkler System	HU-Fertigation Retrofit, 30 gph Pump	Ea	\$2,641.75
442	Sprinkler System	Fertigation Retrofit, 80 gph Pump	Ea	\$2,160.80
442	Sprinkler System	HU-Fertigation Retrofit, 80 gph Pump	Ea	\$3,241.20
442	Sprinkler System	Renovation of Existing Sprinkler System	ft	\$4.19
442	Sprinkler System	HU-Renovation of Existing Sprinkler System	ft	\$6.28
442	Sprinkler System	VRI System - Speed	LnFt	\$1.72
442	Sprinkler System	HU-VRI System - Speed	LnFt	\$2.57
442	Sprinkler System	VRI System - Zone	LnFt	\$9.77
442	Sprinkler System	HU-VRI System - Zone	LnFt	\$14.66
449	Irrigation Water Management	Advanced IWM, greater than 30 acres	ac	\$14.10
449	Irrigation Water Management	HU-Advanced IWM, greater than 30 acres	ac	\$21.15
449	Irrigation Water Management	Advanced IWM, less than or equal to 30 acres	ac	\$52.86
449	Irrigation Water Management	HU-Advanced IWM, less than or equal to 30 acres	ac	\$79.30
449	Irrigation Water Management	Basic IWM, greater than 30 acres	ac	\$6.45
449	Irrigation Water Management	HU-Basic IWM, greater than 30 acres	ac	\$9.67
449	Irrigation Water Management	Basic IWM, less than or equal to 30 acres	ac	\$17.64
449	Irrigation Water Management	HU-Basic IWM, less than or equal to 30 acres	ac	\$26.46
449	Irrigation Water Management	Intermediate IWM, greater than 30 acres	ac	\$8.66
449	Irrigation Water Management	HU-Intermediate IWM, greater than 30 acres	ac	\$12.99
449	Irrigation Water Management	Intermediate IWM, less than or equal to 30 acres	ac	\$29.40
449	Irrigation Water Management	HU-Intermediate IWM, less than or equal to 30 acres	ac	\$44.11
449	Irrigation Water Management	IWM for seasonal high tunnels or small scale specialty crops	Ea	\$150.51
449	Irrigation Water Management	HU-IWM for seasonal high tunnels or small scale specialty crops	Ea	\$225.76
449	Irrigation Water Management	Soil Moisture Sensors with Data Recorder with Telemetry_YR1	Ea	\$1,531.83
449	Irrigation Water Management	HU-Soil Moisture Sensors with Data Recorder with Telemetry_YR1	Ea	\$2,297.74
449	Irrigation Water Management	Soil Moisture Sensors with Data Recorder_YR1	Ea	\$1,044.79
449	Irrigation Water Management	HU-Soil Moisture Sensors with Data Recorder_YR1	Ea	\$1,567.19

Code	Practice	Component	Units	Unit Cost
449	Irrigation Water Management	Soil Moisture Sensors_YR1	Ea	\$728.41
449	Irrigation Water Management	HU-Soil Moisture Sensors_YR1	Ea	\$1,092.62
466	Land Smoothing	Minor Shaping	ac	\$55.68
466	Land Smoothing	HU-Minor Shaping	ac	\$83.52
468	Lined Waterway or Outlet	Concrete	sq ft	\$3.05
468	Lined Waterway or Outlet	HU-Concrete	sq ft	\$4.57
468	Lined Waterway or Outlet	Rock Lined - D50 <= 6 inch	sq ft	\$2.17
468	Lined Waterway or Outlet	HU-Rock Lined - D50 <= 6 inch	sq ft	\$3.25
468	Lined Waterway or Outlet	Rock Lined - D50 > 6 inch	sq ft	\$3.46
468	Lined Waterway or Outlet	HU-Rock Lined - D50 > 6 inch	sq ft	\$5.19
468	Lined Waterway or Outlet	Turf Reinforced Matting	sq ft	\$0.39
468	Lined Waterway or Outlet	HU-Turf Reinforced Matting	sq ft	\$0.58
472	Access Control	Protection of a designated sensitive area threatened by environmental stressors	ac	\$22.66
472	Access Control	HU-Protection of a designated sensitive area threatened by environmental stressors	ac	\$33.99
484	Mulching	Erosion Control Blanket	sq ft	\$0.08
484	Mulching	HU-Erosion Control Blanket	sq ft	\$0.12
484	Mulching	Natural Material, Full Coverage	sq ft	\$0.01
484	Mulching	HU-Natural Material, Full Coverage	sq ft	\$0.02
484	Mulching	Natural Material, Partial Coverage	ac	\$34.08
484	Mulching	HU-Natural Material, Partial Coverage	ac	\$51.11
484	Mulching	Tree and Shrub Mats or Mulch	Ea	\$1.20
484	Mulching	HU-Tree and Shrub Mats or Mulch	Ea	\$1.81
484	Mulching	Tree and Shrub Rolls	sq ft	\$0.07
484	Mulching	HU-Tree and Shrub Rolls	sq ft	\$0.10
490	Tree/Shrub Site Preparation	Chemical, Ground Application	ac	\$95.39
490	Tree/Shrub Site Preparation	HU-Chemical, Ground Application	ac	\$143.09
490	Tree/Shrub Site Preparation	Mechanical, Heavy Machinery	ac	\$136.85
490	Tree/Shrub Site Preparation	HU-Mechanical, Heavy Machinery	ac	\$205.27
490	Tree/Shrub Site Preparation	Mechanical, Light or moderate machinery	ac	\$38.86
490	Tree/Shrub Site Preparation	HU-Mechanical, Light or moderate machinery	ac	\$58.30
490	Tree/Shrub Site Preparation	Windbreak, Site Preparation	ac	\$124.30

Code	Practice	Component	Units	Unit Cost
490	Tree/Shrub Site Preparation	HU-Windbreak, Site Preparation	ac	\$186.45
500	Obstruction Removal	Removal and Disposal of Brush and Trees < 6 inch Diameter	ac	\$600.86
500	Obstruction Removal	HU-Removal and Disposal of Brush and Trees < 6 inch Diameter	ac	\$901.29
500	Obstruction Removal	Removal and Disposal of Brush and Trees > 6 inch Diameter	ac	\$1,343.10
500	Obstruction Removal	HU-Removal and Disposal of Brush and Trees > 6 inch Diameter	ac	\$2,014.65
500	Obstruction Removal	Removal and Disposal of Brush and Trees, Mixed Stand	ac	\$1,142.76
500	Obstruction Removal	HU-Removal and Disposal of Brush and Trees, Mixed Stand	ac	\$1,714.14
500	Obstruction Removal	Removal and Disposal of Concrete Slab	sq ft	\$0.42
500	Obstruction Removal	HU-Removal and Disposal of Concrete Slab	sq ft	\$0.63
500	Obstruction Removal	Removal and Disposal of Structures Offsite	CuYd	\$64.58
500	Obstruction Removal	HU-Removal and Disposal of Structures Offsite	CuYd	\$96.87
500	Obstruction Removal	Removal and Disposal of Structures Onsite	sq ft	\$0.95
500	Obstruction Removal	HU-Removal and Disposal of Structures Onsite	sq ft	\$1.43
511	Forage Harvest Management	Delayed Mowing for Ground Nesting Birds, FI	ac	\$110.71
511	Forage Harvest Management	HU-Delayed Mowing for Ground Nesting Birds, FI	ac	\$113.79
511	Forage Harvest Management	Forage Crop Harvest Management	ac	\$6.15
511	Forage Harvest Management	HU-Forage Crop Harvest Management	ac	\$9.23
512	Forage and Biomass Planting	Cool Season	ac	\$87.48
512	Forage and Biomass Planting	HU-Cool Season	ac	\$131.22
512	Forage and Biomass Planting	Interseed	ac	\$65.33
512	Forage and Biomass Planting	HU-Interseed	ac	\$98.00
512	Forage and Biomass Planting	Organic Cool Season	ac	\$95.17
512	Forage and Biomass Planting	HU-Organic Cool Season	ac	\$142.76
512	Forage and Biomass Planting	Warm Season, 2 or more species	ac	\$145.61
512	Forage and Biomass Planting	HU-Warm Season, 2 or more species	ac	\$218.41
512	Forage and Biomass Planting	Warm Season, 2 or more species without lime and fertilizer	ac	\$105.86
512	Forage and Biomass Planting	HU-Warm Season, 2 or more species without lime and fertilizer	ac	\$158.79
512	Forage and Biomass Planting	Warm Season, one species	ac	\$102.57
512	Forage and Biomass Planting	HU-Warm Season, one species	ac	\$153.85
512	Forage and Biomass Planting	Warm Season, one species without lime and fertilizer	ac	\$59.53
512	Forage and Biomass Planting	HU-Warm Season, one species without lime and fertilizer	ac	\$89.30

Code	Practice	Component	Units	Unit Cost
516	Livestock Pipeline	Deep Buried HDPE or PVC Pipe (Year Round Use), 5 to 6 feet deep with trencher	ft	\$2.41
516	Livestock Pipeline	HU-Deep Buried HDPE or PVC Pipe (Year Round Use), 5 to 6 feet deep with trencher	ft	\$3.61
516	Livestock Pipeline	Directional Boring (Year Round Use)	LnFt	\$8.61
516	Livestock Pipeline	HU-Directional Boring (Year Round Use)	LnFt	\$12.92
516	Livestock Pipeline	Pipe for Filling Aquaculture Ponds	ft	\$10.82
516	Livestock Pipeline	HU-Pipe for Filling Aquaculture Ponds	ft	\$16.24
516	Livestock Pipeline	Shallow Buried HDPE or PVC Pipe	ft	\$1.13
516	Livestock Pipeline	HU-Shallow Buried HDPE or PVC Pipe	ft	\$1.70
516	Livestock Pipeline	Surface HDPE or PVC Pipe	ft	\$0.54
516	Livestock Pipeline	HU-Surface HDPE or PVC Pipe	ft	\$0.81
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Liner, Material Haul < 1 mile	CuYd	\$3.87
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Liner, Material Haul < 1 mile	CuYd	\$5.81
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Liner, Material Haul < 1 mile with testing	CuYd	\$4.02
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Liner, Material Haul < 1 mile with testing	CuYd	\$6.04
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Liner, Material haul > 1 mile	CuYd	\$4.86
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Liner, Material haul > 1 mile	CuYd	\$7.29
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Liner, Material haul > 1 mile with testing	CuYd	\$5.01
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Liner, Material haul > 1 mile with testing	CuYd	\$7.52
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Liner, on-site material	CuYd	\$1.99
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Liner, on-site material	CuYd	\$2.98
520	Pond Sealing or Lining, Compacted Soil Treatment	Soil Liner, on-site material with Testing	CuYd	\$2.14
520	Pond Sealing or Lining, Compacted Soil Treatment	HU-Soil Liner, on-site material with Testing	CuYd	\$3.20
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	Flexible Membrane - intimate contact	SqYd	\$7.18
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	HU-Flexible Membrane - intimate contact	SqYd	\$10.77
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	Flexible Membrane - medium weight liner (30-45mil)	SqYd	\$4.50
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	HU-Flexible Membrane - medium weight liner (30-45mil)	SqYd	\$6.74
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	Flexible Membrane - with geotextile	SqYd	\$8.72
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	HU-Flexible Membrane - with geotextile	SqYd	\$13.08
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	Flexible Membrane with geotextile and liner venting	SqYd	\$10.50
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	HU-Flexible Membrane with geotextile and liner venting	SqYd	\$15.75
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	GCL Liner	SqYd	\$4.94

Code	Practice	Component	Units	Unit Cost
521	Pond Sealing or Lining - Geomembrane or Geosynthetic Clay Liner	HU-GCL Liner	SqYd	\$7.42
522	Pond Sealing or Lining, Concrete	Liquid Tight Reinforced Concrete, Flatwork	sq ft	\$3.30
522	Pond Sealing or Lining, Concrete	HU-Liquid Tight Reinforced Concrete, Flatwork	sq ft	\$4.96
522	Pond Sealing or Lining, Concrete	Reinforced Concrete Liner	cu ft	\$0.40
522	Pond Sealing or Lining, Concrete	HU-Reinforced Concrete Liner	cu ft	\$0.60
527	Karst Sinkhole Treatment	Complex site, high failure consequence	Ea	\$9,040.24
527	Karst Sinkhole Treatment	HU-Complex site, high failure consequence	Ea	\$13,560.36
527	Karst Sinkhole Treatment	Minor site complexity, low failure consequence	Ea	\$2,466.69
527	Karst Sinkhole Treatment	HU-Minor site complexity, low failure consequence	Ea	\$3,700.03
527	Karst Sinkhole Treatment	Moderate site complexity	Ea	\$5,522.34
527	Karst Sinkhole Treatment	HU-Moderate site complexity	Ea	\$8,283.51
528	Prescribed Grazing	Biological Control Grazing, brush or herbaceous weed control	ac	\$106.77
528	Prescribed Grazing	HU-Biological Control Grazing, brush or herbaceous weed control	ac	\$160.16
528	Prescribed Grazing	Deferred Grazing, Foregone Income	ac	\$39.34
528	Prescribed Grazing	HU-Deferred Grazing, Foregone Income	ac	\$46.94
528	Prescribed Grazing	Pasture Standard	ac	\$15.78
528	Prescribed Grazing	HU-Pasture Standard	ac	\$23.67
533	Pumping Plant	313 Subsurface Drain Pump with sump chamber	Ea	\$2,612.89
533	Pumping Plant	HU-313 Subsurface Drain Pump with sump chamber	Ea	\$3,919.34
533	Pumping Plant	Electric-Powered Pump between 10 and 40 HP	HP	\$167.55
533	Pumping Plant	HU-Electric-Powered Pump between 10 and 40 HP	HP	\$251.33
533	Pumping Plant	Electric-Powered Pump between 3 and 10 HP	HP	\$324.79
533	Pumping Plant	HU-Electric-Powered Pump between 3 and 10 HP	HP	\$487.18
533	Pumping Plant	Electric-Powered Pump greater than 40 HP	HP	\$128.55
533	Pumping Plant	HU-Electric-Powered Pump greater than 40 HP	HP	\$192.82
533	Pumping Plant	Electric-Powered Pump less than or equal to 3 HP with Pressure Tank	HP	\$870.73
533	Pumping Plant	HU-Electric-Powered Pump less than or equal to 3 HP with Pressure Tank	HP	\$1,306.10
533	Pumping Plant	Internal Combustion-Powered Pump greater than 75 HP	HP	\$206.07
533	Pumping Plant	HU-Internal Combustion-Powered Pump greater than 75 HP	HP	\$309.10
533	Pumping Plant	Internal Combustion-Powered Pump less than or equal to 75 HP	HP	\$260.45
533	Pumping Plant	HU-Internal Combustion-Powered Pump less than or equal to 75 HP	HP	\$390.67

Code	Practice	Component	Units	Unit Cost
533	Pumping Plant	Milkhouse or Silage waste Pump	HP	\$660.92
533	Pumping Plant	HU-Milkhouse or Silage waste Pump	HP	\$991.37
533	Pumping Plant	Photovoltaic-Powered Pump	HP	\$8,645.40
533	Pumping Plant	HU-Photovoltaic-Powered Pump	HP	\$12,968.11
533	Pumping Plant	Pump, Manure, Hollow Piston	Ea	\$10,197.40
533	Pumping Plant	HU-Pump, Manure, Hollow Piston	Ea	\$15,296.10
533	Pumping Plant	Pump, Manure, Solid Piston	Ea	\$14,517.37
533	Pumping Plant	HU-Pump, Manure, Solid Piston	Ea	\$21,776.06
533	Pumping Plant	Silage Leachate and Runoff Pump Controller	Ea	\$1,594.08
533	Pumping Plant	HU-Silage Leachate and Runoff Pump Controller	Ea	\$2,391.13
533	Pumping Plant	Tailwater Recovery - Diesel pump and sump	HP	\$367.22
533	Pumping Plant	HU-Tailwater Recovery - Diesel pump and sump	HP	\$550.83
533	Pumping Plant	Tailwater Recovery, Electric	HP	\$264.90
533	Pumping Plant	HU-Tailwater Recovery, Electric	HP	\$397.35
533	Pumping Plant	Tractor Power Take Off (PTO) Manure Pump	Ea	\$7,268.89
533	Pumping Plant	HU-Tractor Power Take Off (PTO) Manure Pump	Ea	\$10,903.34
533	Pumping Plant	Variable Frequency Drive	HP	\$112.14
533	Pumping Plant	HU-Variable Frequency Drive	HP	\$168.21
533	Pumping Plant	Wastewater pump and controller system	Ea	\$3,251.81
533	Pumping Plant	HU-Wastewater pump and controller system	Ea	\$4,877.72
554	Drainage Water Management	Drainage Water Management	ac	\$5.54
554	Drainage Water Management	HU-Drainage Water Management	ac	\$8.31
558	Roof Runoff Structure	Concrete Curb	ft	\$6.34
558	Roof Runoff Structure	HU-Concrete Curb	ft	\$9.52
558	Roof Runoff Structure	Existing fascia, Medium 7 to 9 inch gutter, normal hangers	ft	\$7.95
558	Roof Runoff Structure	HU-Existing fascia, Medium 7 to 9 inch gutter, normal hangers	ft	\$11.92
558	Roof Runoff Structure	Existing fascia, Small 4 to 6 inch gutter, Heavy duty hangers	ft	\$5.89
558	Roof Runoff Structure	HU-Existing fascia, Small 4 to 6 inch gutter, Heavy duty hangers	ft	\$8.83
558	Roof Runoff Structure	Existing fascia, Small 4 to 6 inch gutter, normal hangers	ft	\$4.83
558	Roof Runoff Structure	HU-Existing fascia, Small 4 to 6 inch gutter, normal hangers	ft	\$7.24
558	Roof Runoff Structure	Medium 7 to 9 inch gutter, Heavy hangers	ft	\$10.09

Code	Practice	Component	Units	Unit Cost
558	Roof Runoff Structure	HU-Medium 7 to 9 inch gutter, Heavy hangers	ft	\$15.13
558	Roof Runoff Structure	New fascia, Small 4 to 6 inch gutter, Heavy duty hangers	ft	\$8.19
558	Roof Runoff Structure	HU-New fascia, Small 4 to 6 inch gutter, Heavy duty hangers	ft	\$12.29
558	Roof Runoff Structure	Trench Drain	ft	\$5.10
558	Roof Runoff Structure	HU-Trench Drain	ft	\$7.65
560	Access Road	Gravel over Base Course	ft	\$10.65
560	Access Road	HU-Gravel over Base Course	ft	\$15.97
560	Access Road	Gravel over Geotextile	ft	\$6.67
560	Access Road	HU-Gravel over Geotextile	ft	\$10.00
560	Access Road	Raised Earth	ft	\$1.43
560	Access Road	HU-Raised Earth	ft	\$2.14
561	Heavy Use Area Protection	Asphalt Pavement	sq ft	\$1.92
561	Heavy Use Area Protection	HU-Asphalt Pavement	sq ft	\$2.88
561	Heavy Use Area Protection	Concrete Flatwork, 5 inches thick, Small	sq ft	\$3.12
561	Heavy Use Area Protection	HU-Concrete Flatwork, 5 inches thick, Small	sq ft	\$4.69
561	Heavy Use Area Protection	Concrete Flatwork, 5 inches thick, 1 foot tall R/C Wall	sq ft	\$2.75
561	Heavy Use Area Protection	HU-Concrete Flatwork, 5 inches thick, 1 foot tall R/C Wall	sq ft	\$4.12
561	Heavy Use Area Protection	Concrete Flatwork, 5 inches thick, 2 foot tall R/C Wall	sq ft	\$3.21
561	Heavy Use Area Protection	HU-Concrete Flatwork, 5 inches thick, 2 foot tall R/C Wall	sq ft	\$4.81
561	Heavy Use Area Protection	Concrete Flatwork, 5 inches thick, no wall	sq ft	\$2.10
561	Heavy Use Area Protection	HU-Concrete Flatwork, 5 inches thick, no wall	sq ft	\$3.15
561	Heavy Use Area Protection	Geogrid	sq ft	\$0.83
561	Heavy Use Area Protection	HU-Geogrid	sq ft	\$1.25
561	Heavy Use Area Protection	Lake Access	sq ft	\$3.86
561	Heavy Use Area Protection	HU-Lake Access	sq ft	\$5.79
561	Heavy Use Area Protection	Liquid Tight Reinforced Concrete Flatwork	sq ft	\$3.17
561	Heavy Use Area Protection	HU-Liquid Tight Reinforced Concrete Flatwork	sq ft	\$4.75
561	Heavy Use Area Protection	Rock/Gravel on Geotextile	sq ft	\$0.61
561	Heavy Use Area Protection	HU-Rock/Gravel on Geotextile	sq ft	\$0.92
561	Heavy Use Area Protection	Rock/Gravel on Geotextile, Small	sq ft	\$1.18
561	Heavy Use Area Protection	HU-Rock/Gravel on Geotextile, Small	sq ft	\$1.76

Code	Practice	Component	Units	Unit Cost
561	Heavy Use Area Protection	Rock/Gravel Surfacing Without Geotextile (Includes Hoof Contact Gravel & Rock)	sq ft	\$0.46
561	Heavy Use Area Protection	HU-Rock/Gravel Surfacing Without Geotextile (Includes Hoof Contact Gravel & Rock)	sq ft	\$0.69
570	Stormwater Runoff Control	Erosion Control Measure	ft	\$0.89
570	Stormwater Runoff Control	HU-Erosion Control Measure	ft	\$1.34
574	Spring Development	Spring Development, Collection Structure only	Ea	\$888.35
574	Spring Development	HU-Spring Development, Collection Structure only	Ea	\$1,332.52
574	Spring Development	Spring Development, Horizontal Pipe with Collection Box	Ea	\$2,081.04
574	Spring Development	HU-Spring Development, Horizontal Pipe with Collection Box	Ea	\$3,121.55
575	Trails and Walkways	Boardwalk, wood post foundation	sq ft	\$9.37
575	Trails and Walkways	HU-Boardwalk, wood post foundation	sq ft	\$14.06
575	Trails and Walkways	Gravel over Geotextile	sq ft	\$0.36
575	Trails and Walkways	HU-Gravel over Geotextile	sq ft	\$0.54
575	Trails and Walkways	Gravel Over Graded Rock	sq ft	\$0.69
575	Trails and Walkways	HU-Gravel Over Graded Rock	sq ft	\$1.03
575	Trails and Walkways	Gravel Over Graded Rock and Geotextile	sq ft	\$1.01
575	Trails and Walkways	HU-Gravel Over Graded Rock and Geotextile	sq ft	\$1.52
575	Trails and Walkways	Gravel Over Graded Rock and Sand Bedding	sq ft	\$1.06
575	Trails and Walkways	HU-Gravel Over Graded Rock and Sand Bedding	sq ft	\$1.59
575	Trails and Walkways	Gravel Walkway	sq ft	\$0.21
575	Trails and Walkways	HU-Gravel Walkway	sq ft	\$0.31
575	Trails and Walkways	Raised earth walkway	sq ft	\$0.08
575	Trails and Walkways	HU-Raised earth walkway	sq ft	\$0.12
575	Trails and Walkways	Wood Chips, Walkway	sq ft	\$0.29
575	Trails and Walkways	HU-Wood Chips, Walkway	sq ft	\$0.43
578	Stream Crossing	Bridge, Manufactured, Foundation Modification	LnFt	\$1,385.95
578	Stream Crossing	HU-Bridge, Manufactured, Foundation Modification	LnFt	\$2,078.92
578	Stream Crossing	Culvert installation, < 25 inch Diameter, Double culverts	ft	\$37.16
578	Stream Crossing	HU-Culvert installation, < 25 inch Diameter, Double culverts	ft	\$55.74
578	Stream Crossing	Culvert installation, < 25 inch Diameter, Single culvert	ft	\$29.19
578	Stream Crossing	HU-Culvert installation, < 25 inch Diameter, Single culvert	ft	\$43.78
578	Stream Crossing	Culvert installation, > 25 inch Diameter, Double culverts	ft	\$53.52

Code	Practice	Component	Units	Unit Cost
578	Stream Crossing	HU-Culvert installation, > 25 inch Diameter, Double culverts	ft	\$80.28
578	Stream Crossing	Culvert installation, > 25 inch Diameter, Single Culvert	ft	\$37.37
578	Stream Crossing	HU-Culvert installation, > 25 inch Diameter, Single Culvert	ft	\$56.06
578	Stream Crossing	Rock Surfaced Stream Crossing	sq ft	\$0.77
578	Stream Crossing	HU-Rock Surfaced Stream Crossing	sq ft	\$1.16
580	Streambank and Shoreline Protection	Bioengineered	ft	\$12.06
580	Streambank and Shoreline Protection	HU-Bioengineered	ft	\$18.09
580	Streambank and Shoreline Protection	Riprap bank protection, access with construction matts	LnFt	\$36.37
580	Streambank and Shoreline Protection	HU-Riprap bank protection, access with construction matts	LnFt	\$54.56
580	Streambank and Shoreline Protection	Riprap in remote area, long access to site, long haul from quarry	ft	\$58.77
580	Streambank and Shoreline Protection	HU-Riprap in remote area, long access to site, long haul from quarry	ft	\$88.16
580	Streambank and Shoreline Protection	Riprap on bank 4 ft to 9 ft high measure from bank top to toe of slope	ft	\$24.61
580	Streambank and Shoreline Protection	HU-Riprap on bank 4 ft to 9 ft high measure from bank top to toe of slope	ft	\$36.91
580	Streambank and Shoreline Protection	Riprap on bank less than 4 ft high measure from bank top to toe of slope	ft	\$16.10
580	Streambank and Shoreline Protection	HU-Riprap on bank less than 4 ft high measure from bank top to toe of slope	ft	\$24.16
580	Streambank and Shoreline Protection	Rock Riprap MN-TR3	sq ft	\$4.22
580	Streambank and Shoreline Protection	HU-Rock Riprap MN-TR3	sq ft	\$6.33
580	Streambank and Shoreline Protection	Stream Barb	CuYd	\$51.98
580	Streambank and Shoreline Protection	HU-Stream Barb	CuYd	\$77.97
580	Streambank and Shoreline Protection	Structural Toewood w/Vegetation	ft	\$51.03
580	Streambank and Shoreline Protection	HU-Structural Toewood w/Vegetation	ft	\$76.54
582	Open Channel	Two stage ditch	ft	\$5.56
582	Open Channel	HU-Two stage ditch	ft	\$8.34
584	Channel Bed Stabilization	Channel spanning log jams	sq ft	\$2.99
584	Channel Bed Stabilization	HU-Channel spanning log jams	sq ft	\$4.48
584	Channel Bed Stabilization	Rock structures	sq ft	\$1.75
584	Channel Bed Stabilization	HU-Rock structures	sq ft	\$2.62
584	Channel Bed Stabilization	Roughened channel	sq ft	\$4.16
584	Channel Bed Stabilization	HU-Roughened channel	sq ft	\$6.24
584	Channel Bed Stabilization	Wood structures	sq ft	\$2.25
584	Channel Bed Stabilization	HU-Wood structures	sq ft	\$3.38

Code	Practice	Component	Units	Unit Cost
585	Stripcropping	Stripcropping - wind and water erosion	ac	\$0.89
585	Stripcropping	HU-Stripcropping - wind and water erosion	ac	\$1.33
587	Structure for Water Control	Aquaculture Pond Outlet Structure Only	ft	\$1,362.83
587	Structure for Water Control	HU-Aquaculture Pond Outlet Structure Only	ft	\$2,044.25
587	Structure for Water Control	Culvert <30 inches CMP	DialnFt	\$1.32
587	Structure for Water Control	HU-Culvert <30 inches CMP	DialnFt	\$1.98
587	Structure for Water Control	Culvert <30 inches HDPE	DialnFt	\$1.21
587	Structure for Water Control	HU-Culvert <30 inches HDPE	DialnFt	\$1.81
587	Structure for Water Control	Culvert Guard, Grill or Fence	In	\$68.73
587	Structure for Water Control	HU-Culvert Guard, Grill or Fence	In	\$103.09
587	Structure for Water Control	Drainage Water Management Structure	Ea	\$1,161.52
587	Structure for Water Control	HU-Drainage Water Management Structure	Ea	\$1,742.28
587	Structure for Water Control	Flap gate structure	ft	\$254.08
587	Structure for Water Control	HU-Flap gate structure	ft	\$381.12
587	Structure for Water Control	Inline Flashboard Riser, Commercial	DialnFt	\$2.64
587	Structure for Water Control	HU-Inline Flashboard Riser, Commercial	DialnFt	\$3.95
587	Structure for Water Control	Inline or Inlet Flashboard Riser, Metal	DialnFt	\$1.45
587	Structure for Water Control	HU-Inline or Inlet Flashboard Riser, Metal	DialnFt	\$2.17
587	Structure for Water Control	Outlet Structure and External Harvest Kettle for an Existing Aquaculture Pond	ft	\$2,486.20
587	Structure for Water Control	HU-Outlet Structure and External Harvest Kettle for an Existing Aquaculture Pond	ft	\$3,729.31
587	Structure for Water Control	Rock Checks for Water Surface Profile	ton	\$34.50
587	Structure for Water Control	HU-Rock Checks for Water Surface Profile	ton	\$51.75
590	Nutrient Management	Adaptive NM	Ea	\$1,339.47
590	Nutrient Management	HU-Adaptive NM	Ea	\$2,009.20
590	Nutrient Management	Basic NM (Non-Organic/Organic)	ac	\$4.35
590	Nutrient Management	HU-Basic NM (Non-Organic/Organic)	ac	\$6.52
590	Nutrient Management	Basic NM with Manure and/or Compost (Non-Organic/Organic)	ac	\$9.33
590	Nutrient Management	HU-Basic NM with Manure and/or Compost (Non-Organic/Organic)	ac	\$13.99
590	Nutrient Management	Basic Precision NM (Non-Organic/Organic)	ac	\$26.25
590	Nutrient Management	HU-Basic Precision NM (Non-Organic/Organic)	ac	\$39.37
590	Nutrient Management	Small Farm NM (Non-Organic/Organic)	Ea	\$148.39

Code	Practice	Component	Units	Unit Cost
590	Nutrient Management	HU-Small Farm NM (Non-Organic/Organic)	Ea	\$222.58
595	Integrated Pest Management (IPM)	Advanced IPM Orchard, All RCs	ac	\$146.80
595	Integrated Pest Management (IPM)	HU-Advanced IPM Orchard, All RCs	ac	\$220.20
595	Integrated Pest Management (IPM)	Basic IPM Field Crops, 1RC	ac	\$8.47
595	Integrated Pest Management (IPM)	HU-Basic IPM Field Crops, 1RC	ac	\$12.71
595	Integrated Pest Management (IPM)	Basic IPM Field Crops, greater than 1RC	ac	\$11.45
595	Integrated Pest Management (IPM)	HU-Basic IPM Field Crops, greater than 1RC	ac	\$17.17
595	Integrated Pest Management (IPM)	Basic IPM Fruit/Veg, greater than 1RC	ac	\$61.40
595	Integrated Pest Management (IPM)	HU-Basic IPM Fruit/Veg, greater than 1RC	ac	\$92.10
595	Integrated Pest Management (IPM)	Basic IPM Fruit/Veg, 1RC	ac	\$47.64
595	Integrated Pest Management (IPM)	HU-Basic IPM Fruit/Veg, 1RC	ac	\$71.46
595	Integrated Pest Management (IPM)	Basic IPM Orchard, greater than 1RC	ac	\$93.94
595	Integrated Pest Management (IPM)	HU-Basic IPM Orchard, greater than 1RC	ac	\$140.91
595	Integrated Pest Management (IPM)	Basic IPM Orchard, 1RC	ac	\$61.40
595	Integrated Pest Management (IPM)	HU-Basic IPM Orchard, 1RC	ac	\$92.10
595	Integrated Pest Management (IPM)	IPM Small Farms, greater than 1RC	Ea	\$375.77
595	Integrated Pest Management (IPM)	HU-IPM Small Farms, greater than 1RC	Ea	\$563.65
595	Integrated Pest Management (IPM)	IPM Small Farms, 1RC	Ea	\$288.52
595	Integrated Pest Management (IPM)	HU-IPM Small Farms, 1RC	Ea	\$432.77
600	Terrace	Graded, Broadbase, Greater Than or Equal to 1.5ft Average Height	ft	\$2.52
600	Terrace	HU-Graded, Broadbase, Greater Than or Equal to 1.5ft Average Height	ft	\$3.78
600	Terrace	Graded, Broadbase, Less Than 1.5ft Average Height	ft	\$1.00
600	Terrace	HU-Graded, Broadbase, Less Than 1.5ft Average Height	ft	\$1.50
600	Terrace	Graded, Narrow Base or Grass Backslope	ft	\$0.80
600	Terrace	HU-Graded, Narrow Base or Grass Backslope	ft	\$1.20
600	Terrace	Grassed Backslope	ft	\$2.70
600	Terrace	HU-Grassed Backslope	ft	\$4.05
600	Terrace	Narrow Base 8 percent or less	ft	\$2.21
600	Terrace	HU-Narrow Base 8 percent or less	ft	\$3.32
600	Terrace	Narrow Base greater than 8 percent	ft	\$3.41
600	Terrace	HU-Narrow Base greater than 8 percent	ft	\$5.12

Code	Practice	Component	Units	Unit Cost
600	Terrace	Terrace Rehab	ft	\$1.77
600	Terrace	HU-Terrace Rehab	ft	\$2.65
601	Vegetative Barrier	Vegetative Planting	ft	\$2.54
601	Vegetative Barrier	HU-Vegetative Planting	ft	\$3.81
604	Saturated Buffer	Saturated Buffer	ft	\$3.14
604	Saturated Buffer	HU-Saturated Buffer	ft	\$4.71
605	Denitrifying Bioreactor	Bioreactor With Soil Cover	CuYd	\$38.02
605	Denitrifying Bioreactor	HU-Bioreactor With Soil Cover	CuYd	\$57.02
605	Denitrifying Bioreactor	Bioreactor Without Soil Cover	CuYd	\$27.29
605	Denitrifying Bioreactor	HU-Bioreactor Without Soil Cover	CuYd	\$40.94
606	Subsurface Drain	Secondary Main Retrofit for DWM	ft	\$4.11
606	Subsurface Drain	HU-Secondary Main Retrofit for DWM	ft	\$6.16
606	Subsurface Drain	Structural Practice Support Drain	ft	\$2.09
606	Subsurface Drain	HU-Structural Practice Support Drain	ft	\$3.13
606	Subsurface Drain	Waste Storage Facility Perimeter Drain, 9 or less feet deep	ft	\$11.83
606	Subsurface Drain	HU-Waste Storage Facility Perimeter Drain, 9 or less feet deep	ft	\$17.75
606	Subsurface Drain	Waste Storage Facility Perimeter Drain, greater than 9 feet deep	ft	\$16.45
606	Subsurface Drain	HU-Waste Storage Facility Perimeter Drain, greater than 9 feet deep	ft	\$24.68
612	Tree/Shrub Establishment	Aerial Seeding	ac	\$30.37
612	Tree/Shrub Establishment	HU-Aerial Seeding	ac	\$45.55
612	Tree/Shrub Establishment	Conifer, hand plant with woven-wire environmental stressors protection	Ea	\$1.13
612	Tree/Shrub Establishment	HU-Conifer, hand plant with woven-wire environmental stressors protection	Ea	\$1.69
612	Tree/Shrub Establishment	Hardwood Establishment, Direct Seeding	ac	\$352.20
612	Tree/Shrub Establishment	HU-Hardwood Establishment, Direct Seeding	ac	\$528.30
612	Tree/Shrub Establishment	Hardwood Establishment, Direct Seeding, Regen	ac	\$288.90
612	Tree/Shrub Establishment	HU-Hardwood Establishment, Direct Seeding, Regen	ac	\$433.35
612	Tree/Shrub Establishment	Hardwood mechanical planting, bare root, with tree protectors	Ea	\$2.77
612	Tree/Shrub Establishment	HU-Hardwood mechanical planting, bare root, with tree protectors	Ea	\$4.16
612	Tree/Shrub Establishment	Individual tree, hand planting	Ea	\$0.34
612	Tree/Shrub Establishment	HU-Individual tree, hand planting	Ea	\$0.51
612	Tree/Shrub Establishment	Medium Density, Conifer, hand plant with mesh protectors	Ea	\$0.76

Code	Practice	Component	Units	Unit Cost
612	Tree/Shrub Establishment	HU-Medium Density, Conifer, hand plant with mesh protectors	Ea	\$1.14
612	Tree/Shrub Establishment	Medium Density, Conifer, hand plant, with bud caps	Ea	\$0.61
612	Tree/Shrub Establishment	HU-Medium Density, Conifer, hand plant, with bud caps	Ea	\$0.91
614	Watering Facility	Frost Free Fountain	Ea	\$397.70
614	Watering Facility	HU-Frost Free Fountain	Ea	\$596.54
614	Watering Facility	Tank Greater Than 150 and Less Than or Equal to 500 Gallons	gal	\$0.89
614	Watering Facility	HU-Tank Greater Than 150 and Less Than or Equal to 500 Gallons	gal	\$1.34
614	Watering Facility	Tank Greater Than 500 Gallons	gal	\$0.50
614	Watering Facility	HU-Tank Greater Than 500 Gallons	gal	\$0.75
614	Watering Facility	Tank less than or equal to 150 gallons	gal	\$1.00
614	Watering Facility	HU-Tank less than or equal to 150 gallons	gal	\$1.50
620	Underground Outlet	10 inch corrugated plastic tubing	ft	\$4.43
620	Underground Outlet	HU-10 inch corrugated plastic tubing	ft	\$6.65
620	Underground Outlet	12 inch corrugated plastic tubing or larger	ft	\$5.26
620	Underground Outlet	HU-12 inch corrugated plastic tubing or larger	ft	\$7.88
620	Underground Outlet	15-21 inch pipe conduit	ft	\$10.21
620	Underground Outlet	HU-15-21 inch pipe conduit	ft	\$15.31
620	Underground Outlet	24 inch pipe conduit	ft	\$17.88
620	Underground Outlet	HU-24 inch pipe conduit	ft	\$26.83
620	Underground Outlet	30 inch pipe conduit	ft	\$19.85
620	Underground Outlet	HU-30 inch pipe conduit	ft	\$29.77
620	Underground Outlet	36 inch pipe conduit or larger	ft	\$25.51
620	Underground Outlet	HU-36 inch pipe conduit or larger	ft	\$38.26
620	Underground Outlet	6 inch corrugated plastic tubing or smaller	ft	\$2.88
620	Underground Outlet	HU-6 inch corrugated plastic tubing or smaller	ft	\$4.32
620	Underground Outlet	6 inch pipe conduit	ft	\$5.87
620	Underground Outlet	HU-6 inch pipe conduit	ft	\$8.80
620	Underground Outlet	8 -12 inch pipe conduit	ft	\$6.63
620	Underground Outlet	HU-8 -12 inch pipe conduit	ft	\$9.94
620	Underground Outlet	8 inch corrugated plastic tubing	ft	\$3.26
620	Underground Outlet	HU-8 inch corrugated plastic tubing	ft	\$4.89

Code	Practice	Component	Units	Unit Cost
620	Underground Outlet	Blind Inlet for Water Quality	CuYd	\$34.20
620	Underground Outlet	HU-Blind Inlet for Water Quality	CuYd	\$51.30
620	Underground Outlet	Intake Riser and short offset outlet	Ea	\$219.76
620	Underground Outlet	HU-Intake Riser and short offset outlet	Ea	\$329.64
629	Waste Treatment	Milking Parlor Waste Treatment System with Dosing System	Gal/Day	\$10.95
629	Waste Treatment	HU-Milking Parlor Waste Treatment System with Dosing System	Gal/Day	\$16.43
629	Waste Treatment	Milking Parlor Waste Treatment System with Dosing System and Bed	Gal/Day	\$24.98
629	Waste Treatment	HU-Milking Parlor Waste Treatment System with Dosing System and Bed	Gal/Day	\$37.47
632	Waste Separation Facility	Barnyard Basin Wall	ft	\$36.50
632	Waste Separation Facility	HU-Barnyard Basin Wall	ft	\$54.74
632	Waste Separation Facility	Concrete Basin	cu ft	\$4.71
632	Waste Separation Facility	HU-Concrete Basin	cu ft	\$7.06
632	Waste Separation Facility	Concrete Basin, Multiple Cells, Gravity	cu ft	\$2.41
632	Waste Separation Facility	HU-Concrete Basin, Multiple Cells, Gravity	cu ft	\$3.62
632	Waste Separation Facility	Concrete Sand Settling Lane	sq ft	\$7.95
632	Waste Separation Facility	HU-Concrete Sand Settling Lane	sq ft	\$11.93
632	Waste Separation Facility	Earthen Settling Structure	cu ft	\$0.28
632	Waste Separation Facility	HU-Earthen Settling Structure	cu ft	\$0.42
632	Waste Separation Facility	Earthen w/Picket Fence Box	cu ft	\$0.13
632	Waste Separation Facility	HU-Earthen w/Picket Fence Box	cu ft	\$0.20
632	Waste Separation Facility	Mechanical system	Ea	\$133,209.57
632	Waste Separation Facility	HU-Mechanical system	Ea	\$199,814.35
632	Waste Separation Facility	One Mechanical Separator	Ea	\$36,508.20
632	Waste Separation Facility	HU-One Mechanical Separator	Ea	\$54,762.29
634	Waste Transfer	Concrete Channel	sq ft	\$7.38
634	Waste Transfer	HU-Concrete Channel	sq ft	\$11.07
634	Waste Transfer	High pressure flow conduit, 100 psi or greater	ft	\$29.91
634	Waste Transfer	HU-High pressure flow conduit, 100 psi or greater	ft	\$44.86
634	Waste Transfer	Hopper inlet or pull plug with gravity pipeline to waste storage facility	Ea	\$5,170.81
634	Waste Transfer	HU-Hopper inlet or pull plug with gravity pipeline to waste storage facility	Ea	\$7,756.21
634	Waste Transfer	Large Pipe Only, 18 inch diameter or larger	ft	\$29.74

Code	Practice	Component	Units	Unit Cost
634	Waste Transfer	HU-Large Pipe Only, 18 inch diameter or larger	ft	\$44.61
634	Waste Transfer	Medium Pipe Only, between 6 and 18 inch diameter	ft	\$18.41
634	Waste Transfer	HU-Medium Pipe Only, between 6 and 18 inch diameter	ft	\$27.61
634	Waste Transfer	Milkhouse transfer system	gal	\$2.26
634	Waste Transfer	HU-Milkhouse transfer system	gal	\$3.39
634	Waste Transfer	Small Pipe Only, 6 inch diameter or smaller	ft	\$11.45
634	Waste Transfer	HU-Small Pipe Only, 6 inch diameter or smaller	ft	\$17.17
634	Waste Transfer	Transfer channel to catch basin with transfer pipe to waste storage pond	LnFt	\$214.11
634	Waste Transfer	HU-Transfer channel to catch basin with transfer pipe to waste storage pond	LnFt	\$321.16
634	Waste Transfer	Transfer channel/scrape alley with push-off wall at pond and safety gate	LnFt	\$96.52
634	Waste Transfer	HU-Transfer channel/scrape alley with push-off wall at pond and safety gate	LnFt	\$144.78
635	Vegetated Treatment Area	Mechanical Distribution	ac	\$5,070.77
635	Vegetated Treatment Area	HU-Mechanical Distribution	ac	\$7,606.16
635	Vegetated Treatment Area	VTA downslope from collection point, Fill Present on Site	sq ft	\$0.16
635	Vegetated Treatment Area	HU-VTA downslope from collection point, Fill Present on Site	sq ft	\$0.23
635	Vegetated Treatment Area	VTA downslope from collection point, Haul in Fill	sq ft	\$0.23
635	Vegetated Treatment Area	HU-VTA downslope from collection point, Haul in Fill	sq ft	\$0.34
635	Vegetated Treatment Area	Wastewater Pumped Uphill to Basin with Gravity Outflow to VTA	sq ft	\$0.37
635	Vegetated Treatment Area	HU-Wastewater Pumped Uphill to Basin with Gravity Outflow to VTA	sq ft	\$0.55
638	Water and Sediment Control Basin	Berm between 10 feet and 12 feet tall, grassed	ft	\$18.65
638	Water and Sediment Control Basin	HU-Berm between 10 feet and 12 feet tall, grassed	ft	\$27.98
638	Water and Sediment Control Basin	Berm between 12 feet and 15 feet tall, grassed	ft	\$27.00
638	Water and Sediment Control Basin	HU-Berm between 12 feet and 15 feet tall, grassed	ft	\$40.50
638	Water and Sediment Control Basin	Berm between 4 feet and 6 feet tall, farmed	ft	\$10.45
638	Water and Sediment Control Basin	HU-Berm between 4 feet and 6 feet tall, farmed	ft	\$15.68
638	Water and Sediment Control Basin	Berm between 4 feet and 6 feet tall, grassed	ft	\$4.70
638	Water and Sediment Control Basin	HU-Berm between 4 feet and 6 feet tall, grassed	ft	\$7.05
638	Water and Sediment Control Basin	Berm between 6 feet and 8 feet tall, grassed	ft	\$8.08
638	Water and Sediment Control Basin	HU-Berm between 6 feet and 8 feet tall, grassed	ft	\$12.12
638	Water and Sediment Control Basin	Berm between 8 feet and 10 feet tall, grassed	ft	\$12.21
638	Water and Sediment Control Basin	HU-Berm between 8 feet and 10 feet tall, grassed	ft	\$18.32

Code	Practice	Component	Units	Unit Cost
638	Water and Sediment Control Basin	Berm less than 4 feet tall, farmed	ft	\$8.70
638	Water and Sediment Control Basin	HU-Berm less than 4 feet tall, farmed	ft	\$13.04
638	Water and Sediment Control Basin	Berm less than 4 feet tall, grassed	ft	\$3.04
638	Water and Sediment Control Basin	HU-Berm less than 4 feet tall, grassed	ft	\$4.56
642	Water Well	High Volume	ft	\$78.43
642	Water Well	HU-High Volume	ft	\$117.65
642	Water Well	Shallow (less than 75 ft)	ft	\$41.88
642	Water Well	HU-Shallow (less than 75 ft)	ft	\$62.83
642	Water Well	Typical (75 ft and deeper)	ft	\$20.04
642	Water Well	HU-Typical (75 ft and deeper)	ft	\$30.06
644	Wetland Wildlife Habitat Management	Wild Rice Seeding	ac	\$321.29
644	Wetland Wildlife Habitat Management	HU-Wild Rice Seeding	ac	\$481.94
645	Upland Wildlife Habitat Management	Honeybee Habitat Multi Species Mix with Monitoring and Foregone Income	ac	\$378.17
645	Upland Wildlife Habitat Management	HU-Honeybee Habitat Multi Species Mix with Monitoring and Foregone Income	ac	\$401.34
645	Upland Wildlife Habitat Management	Inter-seeding Milkweed for Monarch Habitat	ac	\$149.92
645	Upland Wildlife Habitat Management	HU-Inter-seeding Milkweed for Monarch Habitat	ac	\$224.88
645	Upland Wildlife Habitat Management	Wildlife Habitat Enhancement	ac	\$17.19
645	Upland Wildlife Habitat Management	HU-Wildlife Habitat Enhancement	ac	\$17.74
647	Early Successional Habitat Development/Management	Disking	ac	\$53.68
647	Early Successional Habitat Development/Management	HU-Disking	ac	\$80.52
647	Early Successional Habitat Development/Management	Edge Feathering (Cutback Borders)	ac	\$289.84
647	Early Successional Habitat Development/Management	HU-Edge Feathering (Cutback Borders)	ac	\$434.75
647	Early Successional Habitat Development/Management	Mowing	ac	\$88.34
647	Early Successional Habitat Development/Management	HU-Mowing	ac	\$132.51
647	Early Successional Habitat Development/Management	Regeneration of aspen stands.	ac	\$287.89
647	Early Successional Habitat Development/Management	HU-Regeneration of aspen stands.	ac	\$431.84
647	Early Successional Habitat Development/Management	Regeneration of mature alder stands.	ac	\$287.89
647	Early Successional Habitat Development/Management	HU-Regeneration of mature alder stands.	ac	\$431.84
649	Structures for Wildlife	Bat Boxes	Ea	\$52.83
649	Structures for Wildlife	HU-Bat Boxes	Ea	\$79.24
649	Structures for Wildlife	Blue Bird Boxes	Ea	\$42.08

Code	Practice	Component	Units	Unit Cost
649	Structures for Wildlife	HU-Blue Bird Boxes	Ea	\$63.13
649	Structures for Wildlife	Loon Nesting Platform	Ea	\$209.48
649	Structures for Wildlife	HU-Loon Nesting Platform	Ea	\$314.21
649	Structures for Wildlife	Osprey Nesting Platform	ft	\$13.67
649	Structures for Wildlife	HU-Osprey Nesting Platform	ft	\$20.50
649	Structures for Wildlife	Snake Hibernaculum	Ea	\$577.51
649	Structures for Wildlife	HU-Snake Hibernaculum	Ea	\$866.27
649	Structures for Wildlife	Wood Duck Nesting Box	Ea	\$61.02
649	Structures for Wildlife	HU-Wood Duck Nesting Box	Ea	\$91.53
649	Structures for Wildlife	Woody Habitat, Off Site	Ea	\$82.44
649	Structures for Wildlife	HU-Woody Habitat, Off Site	Ea	\$123.66
649	Structures for Wildlife	Woody Habitat, On Site	Ea	\$57.55
649	Structures for Wildlife	HU-Woody Habitat, On Site	Ea	\$86.32
650	Windbreak/Shelterbelt Renovation	Pruning	ft	\$0.32
650	Windbreak/Shelterbelt Renovation	HU-Pruning	ft	\$0.47
650	Windbreak/Shelterbelt Renovation	Removal less than 8 inches DBH with Skidsteer	ft	\$0.68
650	Windbreak/Shelterbelt Renovation	HU-Removal less than 8 inches DBH with Skidsteer	ft	\$1.02
650	Windbreak/Shelterbelt Renovation	Thinning	ft	\$0.37
650	Windbreak/Shelterbelt Renovation	HU-Thinning	ft	\$0.56
655	Forest Trails and Landings	Grading and Shaping with Vegetative Establishment	ft	\$1.38
655	Forest Trails and Landings	HU-Grading and Shaping with Vegetative Establishment	ft	\$2.07
656	Constructed Wetland	Medium, 0.1 to 0.5 ac	ac	\$20,439.57
656	Constructed Wetland	HU-Medium, 0.1 to 0.5 ac	ac	\$30,649.49
656	Constructed Wetland	small less then 0.1 Ac, Vertical Cells	sq ft	\$5.49
656	Constructed Wetland	HU-small less then 0.1 Ac, Vertical Cells	sq ft	\$8.24
657	Wetland Restoration	Depression Sediment Removal and Ditch Plug	ac	\$812.05
657	Wetland Restoration	HU-Depression Sediment Removal and Ditch Plug	ac	\$1,161.53
657	Wetland Restoration	Ditch Plug	Ea	\$319.89
657	Wetland Restoration	HU-Ditch Plug	Ea	\$479.83
657	Wetland Restoration	Embankment	CuYd	\$3.85
657	Wetland Restoration	HU-Embankment	CuYd	\$5.78

Code	Practice	Component	Units	Unit Cost
657	Wetland Restoration	Riverine Levee Removal and Floodplain Features	ac	\$320.81
657	Wetland Restoration	HU-Riverine Levee Removal and Floodplain Features	ac	\$424.67
657	Wetland Restoration	Scrape, average depth 12 inch	ac	\$3,431.42
657	Wetland Restoration	HU-Scrape, average depth 12 inch	ac	\$5,147.13
657	Wetland Restoration	Scrape, average depth 24 inch	ac	\$6,606.06
657	Wetland Restoration	HU-Scrape, average depth 24 inch	ac	\$9,909.09
657	Wetland Restoration	Tile Break	Ea	\$307.68
657	Wetland Restoration	HU-Tile Break	Ea	\$461.52
660	Tree/Shrub Pruning	Pruning- High Height	ac	\$189.36
660	Tree/Shrub Pruning	HU-Pruning- High Height	ac	\$284.04
660	Tree/Shrub Pruning	Pruning-Low Height	ac	\$80.18
660	Tree/Shrub Pruning	HU-Pruning-Low Height	ac	\$120.27
660	Tree/Shrub Pruning	Root Pruning for Oak Wilt Control	LnFt	\$1.89
660	Tree/Shrub Pruning	HU-Root Pruning for Oak Wilt Control	LnFt	\$2.83
666	Forest Stand Improvement	Competition Control, Mechanical, Heavy Equipment	ac	\$258.16
666	Forest Stand Improvement	HU-Competition Control, Mechanical, Heavy Equipment	ac	\$387.24
666	Forest Stand Improvement	Competition Control, Mechanical, Light Equipment	ac	\$78.34
666	Forest Stand Improvement	HU-Competition Control, Mechanical, Light Equipment	ac	\$117.51
666	Forest Stand Improvement	Marking Only, Even Aged Stand, Commercial Harvest	ac	\$34.49
666	Forest Stand Improvement	HU-Marking Only, Even Aged Stand, Commercial Harvest	ac	\$51.73
666	Forest Stand Improvement	Marking Only, Uneven Aged Stand, Commercial Harvest	ac	\$54.61
666	Forest Stand Improvement	HU-Marking Only, Uneven Aged Stand, Commercial Harvest	ac	\$81.92
666	Forest Stand Improvement	Pre commercial Thinning, Hand tools	ac	\$144.50
666	Forest Stand Improvement	HU-Pre commercial Thinning, Hand tools	ac	\$216.75
666	Forest Stand Improvement	Release for Planted Oak and Mixed Hardwood Seedling Regeneration	ac	\$70.88
666	Forest Stand Improvement	HU-Release for Planted Oak and Mixed Hardwood Seedling Regeneration	ac	\$106.33
666	Forest Stand Improvement	Thinning for Wildlife and Forest Health	ac	\$287.84
666	Forest Stand Improvement	HU-Thinning for Wildlife and Forest Health	ac	\$431.75
670	Lighting System Improvement	Dairy Freestall Barn, High Bay Lighting, Fixtures Replacement	sq ft	\$0.41
670	Lighting System Improvement	HU-Dairy Freestall Barn, High Bay Lighting, Fixtures Replacement	sq ft	\$0.61
670	Lighting System Improvement	Lighting - Replace Existing Lighting Fixture with Flood Lighting	Ea	\$424.30

Code	Practice	Component	Units	Unit Cost
670	Lighting System Improvement	HU-Lighting - Replace Existing Lighting Fixture with Flood Lighting	Ea	\$636.45
670	Lighting System Improvement	Lighting - Replace Existing Lighting Fixture with General or Low Bay Lighting	Ea	\$221.39
670	Lighting System Improvement	HU-Lighting - Replace Existing Lighting Fixture with General or Low Bay Lighting	Ea	\$332.08
670	Lighting System Improvement	Poultry House Lighting	sq ft	\$0.06
670	Lighting System Improvement	HU-Poultry House Lighting	sq ft	\$0.10
670	Lighting System Improvement	Swine Facility Lighting	sq ft	\$0.15
670	Lighting System Improvement	HU-Swine Facility Lighting	sq ft	\$0.23
672	Building Envelope Improvement	Building Envelope - Attic Insulation	sq ft	\$0.42
672	Building Envelope Improvement	HU-Building Envelope - Attic Insulation	sq ft	\$0.64
672	Building Envelope Improvement	Building Envelope - Mechanical Screens	sq ft	\$1.01
672	Building Envelope Improvement	HU-Building Envelope - Mechanical Screens	sq ft	\$1.52
672	Building Envelope Improvement	Building Envelope - Wall Insulation	sq ft	\$1.03
672	Building Envelope Improvement	HU-Building Envelope - Wall Insulation	sq ft	\$1.55
672	Building Envelope Improvement	Greenhouse - Insulate Unglazed Walls	sq ft	\$0.16
672	Building Envelope Improvement	HU-Greenhouse - Insulate Unglazed Walls	sq ft	\$0.24
672	Building Envelope Improvement	Insulated Roll-Up Door	Ea	\$865.11
672	Building Envelope Improvement	HU-Insulated Roll-Up Door	Ea	\$1,297.67