

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	1
Scenario Name	Woven Wire
Scenario Description	Woven - Installation of fence will allow for implementation of a grazing management that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds. Woven wire is typically used in applications with sheep, goats, hogs, wildlife exclusion, shelterbelt/tree protection, etc. Constructed using fencing materials rather than a pre-manufactured gate.
Before Practice Situation	On grazing lands health and vigor are negatively impacted by poor grazing distribution, timing of grazing and inadequate rest and recovery periods. Water quality is impacted by increased erosion and runoff, livestock access to water bodies is uncontrolled. Reduced vegetative cover increases opportunity for encroachment of noxious and invasive weeds.
After Practice Situation	Installation of fence will allow for implementation of a rotational grazing plan that allows for an adequate rest and recovery period, protection of sensitive area, improved water quality, reduction of noxious and invasive weeds. Woven wire fence includes posts, wire, fasteners, gates, etc.... Woven wire is typically used in applications with sheep, goats, hogs, wildlife exclusion, shelterbelt/tree protection, etc.
Scenario Feature Measure	Length of Fence
Scenario Unit	Feet
Scenario Typical Size	2640

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,306.12	\$1.25
Equipment/Installation	\$1,327.50	\$0.50
Labor	\$2,455.60	\$0.93
Mobilization	\$38.86	\$0.01
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$7,128.08	\$2.70

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	15	Post, Steel T, 1.33 lbs, 6'	Steel Post, Studded 6' - 1.33 lb	Each	\$7.59	130	\$986.70
Materials	9	Post, Wood, CCA treated, 3-4" x 7'	Wood Post, Line 3-4" X 7', CCA Treated	Each	\$9.04	35	\$316.40
Materials	12	Post, Wood, CCA treated, 6" x 8'	Wood Post, End 6" X 8', CCA Treated	Each	\$20.58	4	\$82.32
Materials	1	Wire, Barbed, Galvanized, 12.5 Gauge, 1,320' roll	Galvanized 12.5 gauge, 1,320' roll	Each	\$63.52	4	\$254.08
Materials	3	Wire, Woven, Galvanized, 12.5 Gauge, 32"	Galvanized 12.5 gauge, 32" - 330' roll	Each	\$166.41	8	\$1,331.28
Equipment/Installation	934	Auger, Post driver attachment	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.43	30	\$222.90
Equipment/Installation	963	Tractor, agricultural, 60 HP	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.28	30	\$578.40
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.31	20	\$526.20
Labor	232	Equipment Operators, Light	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.62	30	\$588.60
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	100	\$1,867.00
Materials	1058	Gate, Pipe, 14'	6 rail tube gate, 16 gauge	Each	\$167.67	2	\$335.34
Mobilization	1143	Mobilization, Light Equipment Operator	Mobilization of light equipment operators: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.43	2	\$38.86

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	2
Scenario Name	Safety
Scenario Description	A barrier (fence) implemented on an NRCS constructed waste storage system according to engineering design to exclude human access. Permanently installed fence built to (1) keep humans away from waste ponds & lagoons, or (2) to protect sensitive areas (riparian areas, wetlands, springs, etc.) from heavy livestock pressure. Heavy grade fence materials and close post spacing required.
Before Practice Situation	Where a NRCS designed and constructed waste storage pond is planned whereby significant risk to human safety is determined to be evident. Livestock has access to sensitive areas that may cause detrimental effect to animal/human health and wildlife habitat. Resource concerns affected are plant health and vigor, wildlife habitat, compaction of soils, runoff of sediment or water quality due to turbidity.
After Practice Situation	Humans and livestock are excluded from the waste storage pond for safety purposes by installing a fence around a waste holding pond. The fence would typically be 100 wide x 175 long with one gate and installed by a fencing contractor. Woven wire fence with one strand of barb wire on top with a gate. Improved livestock control and access to water or other sensitive areas will promote safety for livestock/humans improve health, vigor of sensitive species, limiting soil erosion, and condition.
Scenario Feature Measure	Length of Fence
Scenario Unit	Feet
Scenario Typical Size	450

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$4,700.00	\$10.44
Equipment/Installation	\$210.48	\$0.47
Labor	\$298.72	\$0.66
Mobilization	\$37.10	\$0.08
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$5,246.30	\$11.66

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1079	Fence, Chain Link	Fence, Chain Link, 5' High, 9ga Wire, Posts in Concrete on 10' Centers	Foot	\$23.50	200	\$4,700.00
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.31	8	\$210.48
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	16	\$298.72
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	2	\$37.10

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	4
Scenario Name	Exclusion
Scenario Description	A constructed exclusion barrier to protect water resources or other sensitive areas from degradation from livestock (usually cattle). Fence includes wooden and steel posts driven into the ground and/or wire with 2 gates built according to state FOTG standards. Benefits of the practice are managed livestock grazing intensity, duration and frequency, reduced soil erosion, improved water quality, improved plant health and vigor, and/or improved wildlife habitat.
Before Practice Situation	Livestock have open access to water resources and/or other sensitive areas causing degradation of resources. Degradation would include soil erosion, water quality, plant health and vigor, and wildlife habitat.
After Practice Situation	Permanent fence is installed (4 stand barb wire) to protect the riparian areas and/or other sensitive areas from degradation by livestock. Benefits of the practice are managed livestock grazing intensity, duration and frequency, reduced soil erosion, improved water quality, improved plant health and vigor, and/or improved wildlife habitat.
Scenario Feature Measure	Length of Fence
Scenario Unit	Foot
Scenario Typical Size	2500

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,475.76	\$1.39
Equipment/Installation	\$558.91	\$0.22
Labor	\$836.68	\$0.33
Mobilization	\$157.71	\$0.06
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$5,029.06	\$2.01

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1059	Gate, Pipe, 16'	6 rail tube gate, 16 gauge	Each	\$219.68	1	\$219.68
Materials	15	Post, Steel T, 1.33 lbs, 6'	Steel Post, Studded 6' - 1.33 lb	Each	\$7.59	120	\$910.80
Materials	11	Post, Wood, CCA treated, 5" x 8'	Wood Post, End 5" X 8', CCA Treated	Each	\$15.72	60	\$943.20
Materials	12	Post, Wood, CCA treated, 6" x 8'	Wood Post, End 6" X 8', CCA Treated	Each	\$20.58	24	\$493.92
Materials	1	Wire, Barbed, Galvanized, 12.5 Gauge, 1,320' roll	Galvanized 12.5 gauge, 1,320' roll	Each	\$63.52	8	\$508.16
Materials	30	Fence, Wire Assembly, Barbed Wire, 3 Strand	Brace pins, battens, clips, staples	Foot	\$0.16	2500	\$400.00
Equipment/Installation	934	Auger, Post driver attachment	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.43	16	\$118.88
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.31	5	\$131.55
Equipment/Installation	963	Tractor, agricultural, 60 HP	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.28	16	\$308.48
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	28	\$522.76
Labor	232	Equipment Operators, Light	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.62	16	\$313.92
Mobilization	1138	Mobilization, small equipment	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$63.20	1	\$63.20
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	3	\$55.65
Mobilization	1143	Mobilization, Light Equipment Operator	Mobilization of light equipment operators: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.43	2	\$38.86

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	5
Scenario Name	Exclusion, Mountain
Scenario Description	A constructed exclusion barrier to protect water resources or other sensitive areas from degradation from livestock (usually cattle). Fence includes wooden and steel posts driven into the ground and/or wire with 2 gates built according to state FOTG standards. Benefits of the practice are managed livestock grazing intensity, duration and frequency, reduced soil erosion, improved water quality, improved plant health and vigor, and/or improved wildlife habitat. A higher cost is justified for this scenario due to the rough, undulating terrain and or additional corners braces and posts required for mountainous areas as determined by each state.
Before Practice Situation	Livestock have open access to water resources and/or other sensitive areas causing degradation of resources. Degradation would include soil erosion, water quality, plant health and vigor, and wildlife habitat.
After Practice Situation	Permanent fence is installed (4 stand barb wire) to protect the riparian areas and/or other sensitive areas from degradation by livestock.
Scenario Feature Measure	Length of fence
Scenario Unit	Foot
Scenario Typical Size	2500

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$4,163.68	\$1.67
Equipment/Installation	\$772.59	\$0.31
Labor	\$1,124.33	\$0.45
Mobilization	\$195.69	\$0.08
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$6,256.29	\$2.50

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1059	Gate, Pipe, 16'	6 rail tube gate, 16 gauge	Each	\$219.68	2	\$439.36
Materials	15	Post, Steel T, 1.33 lbs, 6'	Steel Post, Studded 6' - 1.33 lb	Each	\$7.59	160	\$1,214.40
Materials	11	Post, Wood, CCA treated, 5" x 8'	Wood Post, End 5" X 8', CCA Treated	Each	\$15.72	60	\$943.20
Materials	12	Post, Wood, CCA treated, 6" x 8'	Wood Post, End 6" X 8', CCA Treated	Each	\$20.58	32	\$658.56
Materials	1	Wire, Barbed, Galvanized, 12.5 Gauge, 1,320' roll	Galvanized 12.5 gauge, 1,320' roll	Each	\$63.52	8	\$508.16
Materials	30	Fence, Wire Assembly, Barbed Wire, 3 Strand	Brace pins, battens, clips, staples	Foot	\$0.16	2500	\$400.00
Equipment/Installation	934	Auger, Post driver attachment	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.43	24	\$178.32
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.31	5	\$131.55
Equipment/Installation	963	Tractor, agricultural, 60 HP	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.28	24	\$462.72
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	35	\$653.45
Labor	232	Equipment Operators, Light	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.62	24	\$470.88
Mobilization	1138	Mobilization, small equipment	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$63.20	1	\$63.20
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	4	\$74.20
Mobilization	1143	Mobilization, Light Equipment Operator	Mobilization of light equipment operators: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.43	3	\$58.29

Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	6
Scenario Name	Interior
Scenario Description	A constructed interior barrier for implementing prescribed grazing of livestock (usually cattle). Fence includes charger, wood posts driven into the ground with three strands of high tensile wire and 2 gates built according to state FOTG standards. Benefits of the practice are managed livestock grazing intensity, duration and frequency, reduced soil erosion, improved water quality, improved plant health and vigor, and/or improved wildlife habitat.
Before Practice Situation	Grazing distribution is less than optimal. Plants are either over or underutilized causing degradation of organic matter or spot grazing.
After Practice Situation	Cross fencing (3 strand high tensile fence) is installed that will improve; water/soil quality, grazing management, plant diversity and/or animal health.
Scenario Feature Measure	Length of Fence
Scenario Unit	Foot
Scenario Typical Size	2500

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,234.53	\$1.29
Equipment/Installation	\$318.92	\$0.13
Labor	\$754.40	\$0.30
Mobilization	\$156.83	\$0.06
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$4,464.68	\$1.79

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1059	Gate, Pipe, 16'	6 rail tube gate, 16 gauge	Each	\$219.68	2	\$439.36
Materials	33	Fence, Wire Assembly, High Tensile, Electric, 2 Strand	Brace pins, springs, strainers, battens, clips, crimp sleeves, staples, insulators, wrap around sleeves	Foot	\$0.07	2,500	\$175.00
Materials	12	Post, Wood, CCA treated, 6" x 8'	Wood Post, End 6" X 8', CCA Treated	Each	\$20.58	15	\$308.70
Materials	2	Wire, High Tensile, 12.5 Gauge, 4,000' roll	High Tensile 12.5 gauge, 4,000' roll	Each	\$116.48	2	\$232.96
Materials	21	Electric, Ground Rod Clamps	Electric, Ground Rod Clamps for electric fence	Each	\$2.39	3	\$7.17
Materials	29	Electric, Energizer, 6 joule	Electric, Energizer, 6 joule for electric fence	Each	\$331.70	1	\$331.70
Materials	10	Post, Wood, CCA treated, 4" x 8'	Wood Post, Line 4" X 8', CCA Treated	Each	\$10.69	33	\$352.77
Materials	20	Electric, Ground Rods	Electric, Ground Rod for electric fence	Each	\$12.84	3	\$38.52
Materials	22	Electric, Lightening Diverter	Electric, Lightening diverter for electric fence	Each	\$12.01	1	\$12.01
Materials	23	Electric, Insulated cable	Electric, Insulated cable for electric fence. Typically in spools of 100 to 200 feet.	Each	\$31.64	40	\$1,265.60
Materials	24	Electric, Power Surge Protector	Electric, Power Surge Protector for electric fence	Each	\$25.15	1	\$25.15
Materials	26	Electric, Tester	Electric, Tester for electric fence	Each	\$34.60	1	\$34.60
Materials	25	Electric, Cutoff Switch	Electric, Cutoff Switch for electric fence	Each	\$10.99	1	\$10.99
Equipment/Installation	934	Auger, Post driver attachment	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.43	8	\$59.44
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.31	4	\$105.24
Equipment/Installation	963	Tractor, agricultural, 60 HP	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.28	8	\$154.24
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	32	\$597.44
Labor	232	Equipment Operators, Light	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.62	8	\$156.96
Mobilization	1138	Mobilization, small equipment	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$63.20	1	\$63.20
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	4	\$74.20

Mobilization	1143	Mobilization, Light Equipment Operator	Mobilization of light equipment operators: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.43	1	\$19.43
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Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	7
Scenario Name	Interior, Mountain
Scenario Description	A constructed interior barrier for implementing prescribed grazing of livestock (usually cattle). Fence includes charger, wood posts driven into the ground with three strands of high tensile wire and 2 gates built according to state FOTG standards. Benefits of the practice are managed livestock grazing intensity, duration and frequency, reduced soil erosion, improved water quality, improved plant health and vigor, and/or improved wildlife habitat. A higher cost is justified for this scenario due to the rough, undulating terrain and or additional corners braces and posts required for mountainous areas as determined by each state.
Before Practice Situation	Grazing distribution is less than optimal. Plants are either over or underutilized causing degradation of organic matter or spot grazing.
After Practice Situation	Cross fencing (3 strand high tensile fence) is installed that will improve; water/soil quality, grazing management, plant diversity and/or animal health.
Scenario Feature Measure	Length of Fence
Scenario Unit	Foot
Scenario Typical Size	2500

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$3,455.02	\$1.38
Equipment/Installation	\$425.36	\$0.17
Labor	\$1,011.16	\$0.40
Mobilization	\$220.03	\$0.09
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$5,111.57	\$2.04

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	1059	Gate, Pipe, 16'	6 rail tube gate, 16 gauge	Each	\$219.68	2	\$439.36
Materials	33	Fence, Wire Assembly, High Tensile, Electric, 2 Strand	Brace pins, springs, strainers, battens, clips, crimp sleeves, staples, insulators, wrap around sleeves	Foot	\$0.07	2,500	\$175.00
Materials	12	Post, Wood, CCA treated, 6" x 8'	Wood Post, End 6" X 8', CCA Treated	Each	\$20.58	20	\$411.60
Materials	2	Wire, High Tensile, 12.5 Gauge, 4,000' roll	High Tensile 12.5 gauge, 4,000' roll	Each	\$116.48	2	\$232.96
Materials	21	Electric, Ground Rod Clamps	Electric, Ground Rod Clamps for electric fence	Each	\$2.39	3	\$7.17
Materials	29	Electric, Energizer, 6 joule	Electric, Energizer, 6 joule for electric fence	Each	\$331.70	1	\$331.70
Materials	10	Post, Wood, CCA treated, 4" x 8'	Wood Post, Line 4" X 8', CCA Treated	Each	\$10.69	44	\$470.36
Materials	20	Electric, Ground Rods	Electric, Ground Rod for electric fence	Each	\$12.84	3	\$38.52
Materials	22	Electric, Lightening Diverter	Electric, Lightening diverter for electric fence	Each	\$12.01	1	\$12.01
Materials	23	Electric, Insulated cable	Electric, Insulated cable for electric fence. Typically in spools of 100 to 200 feet.	Each	\$31.64	40	\$1,265.60
Materials	24	Electric, Power Surge Protector	Electric, Power Surge Protector for electric fence	Each	\$25.15	1	\$25.15
Materials	26	Electric, Tester	Electric, Tester for electric fence	Each	\$34.60	1	\$34.60
Materials	25	Electric, Cutoff Switch	Electric, Cutoff Switch for electric fence	Each	\$10.99	1	\$10.99
Equipment/Installation	934	Auger, Post driver attachment	Auger or post driver attachment to a tractor or skidsteer. Does not include power unit. Labor not included.	Hour	\$7.43	11	\$81.73
Equipment/Installation	939	Truck, Pickup	Equipment and power unit costs. Labor not included.	Hour	\$26.31	5	\$131.55
Equipment/Installation	963	Tractor, agricultural, 60 HP	Agricultural tractor with horsepower range of 50 to 90. Equipment and power unit costs. Labor not included.	Hour	\$19.28	11	\$212.08
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	43	\$795.34
Labor	232	Equipment Operators, Light	Includes: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.62	11	\$215.82
Mobilization	1138	Mobilization, small equipment	Equipment <70 HP but can't be transported by a pick-up truck or with typical weights between 3,500 to 14,000 pounds.	Each	\$63.20	2	\$126.40
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	4	\$74.20

Mobilization	1143	Mobilization, Light Equipment Operator	Mobilization of light equipment operators: Skid Steer Loaders, Hydraulic Excavators <50 HP, Trenchers <12", Ag Equipment <150 HP, Pickup Trucks, Forklifts, Mulchers	Hour	\$19.43	1	\$19.43
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Scenario Worksheet

Practice and Scenario Description:

Information Type	Data
Region	Appalachian
State	North Carolina
Discipline Group	Range/Pasture Grazing
Practice Code/Name	382 - Fence
Scenario ID	8
Scenario Name	Single Strand Electric
Scenario Description	Establishment of temporary or portable fence for livestock to facilitate a more intensive grazing system such as stockpiling or stripgrazing. Temporary electric fences are constructed with the intent of being left in place for only a short time period. The fence is not constructed as an equivalent of a permanent fence. Temporary electric fences are a more flexible and inexpensive. Polyethylene wire or HT Electric wire can be used.
Before Practice Situation	This practice will be installed on grazing land. The resource concerns to be addressed by this practice are poor grazing distribution, inadequate water supply, and degraded site conditions leading to poor animal health.
After Practice Situation	Consists of installing a single HT Electric or Polyethylene wire fence with step in/fiberglass posts on 50' centers, solar energizer, and all appurtenances to implement an intensive, flexible and inexpensive rotational grazing system. Associated Practices: Prescribed Grazing, Pipeline, Water Well, Spring Development, Heavy Use Area, Pumping Plant, Watering Facility, Forage and Biomass Planting, Critical Area Planting, Access Control
Scenario Feature Measure	Feet of fence installed
Scenario Unit	Foot
Scenario Typical Size	1320

Cost Summary:

Cost Category	Scenario Cost	Scenario Cost/Unit
Materials	\$623.65	\$0.47
Equipment/Installation	\$0.00	\$0.00
Labor	\$56.01	\$0.04
Mobilization	\$18.55	\$0.01
Acquisition of Technical Knowledge	\$0.00	\$0.00
Foregone Income	\$0.00	\$0.00
Total	\$698.21	\$0.53

Cost Details:

Cost Category	Component ID	Component Name	Component Description	Unit	Price (\$/unit)	Quantity	Cost
Materials	32	Fence, Wire Assembly, High Tensile, Electric, 1 Strand	Brace pins, springs, strainers, battens, clips, crimp sleeves, staples, insulators, wrap around sleeves	Foot	\$0.02	1320	\$26.40
Materials	18	Post, Fiberglass, 3/4" X 6'	Fiberglass line post, 3/4" diameter X 6' length	Each	\$9.24	26	\$240.24
Materials	12	Post, Wood, CCA treated, 6" x 8'	Wood Post, End 6" X 8', CCA Treated	Each	\$20.58	2	\$41.16
Materials	27	Electric, Energizer, Solar	Electric, Energizer, Solar for electric fence	Each	\$315.85	1	\$315.85
Labor	231	General Labor	Labor performed using basic tools such as power tool, shovels, and other tools that do not require extensive training. Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.67	3	\$56.01
Mobilization	1142	Mobilization, General labor	Mobilization of general labor: Ex. pipe layer, herder, concrete placement, materials spreader, flagger, etc.	Hour	\$18.55	1	\$18.55