

COST LIST**FISCAL YEAR 2009****EFFECTIVE DATE: March 1, 2009**

All costs are the average total cost to install the practice or component. This total cost times a percent cost-share determines the amount of money a producer will receive. The amount a producer receives is shown in the Practice Payment Schedule. **All costs shown in the cost list are average cost (AC).** Used material will be cost-shared based on 50 percent of the new cost times the cost-share rate unless the item is specifically listed as used in the cost list.

431 ABOVE GROUND, MULTI-OUTLET PIPELINE (GATED PIPE)**ID UNITS: Feet**

Components:

1. Pipeline, Rigid Gated = \$2.33 per pound.

472 ACCESS CONTROL**ID UNITS: Acres**

Components:

1. Temporarily Exclude Livestock for one year = \$5.00 per acre.

NOTE: This component will only be paid under special situations approved by the Assistant State Conservationist for Programs.

NOTE: Under EQIP, a payment of \$5.00 per acre is payable for special use situations only, such as after a fire, weed control, range chiseling, wildlife enhancement, or wetland/riparian enhancement.

2. Temporarily Exclude Livestock for two years = \$10.00 per acre.

NOTE: This component will only be paid under special situations approved by the Assistant State Conservationist for Programs.

NOTE: Under EQIP, a payment of \$10.00 per acre is payable one time for special use situations only, such as after a fire, weed control, range chiseling, wildlife enhancement, or wetland/riparian enhancement.

3. Permanently Exclude People and Livestock from Abandoned Mines for Bat Conservation = \$6.00 per pound of structural steel.

560 ACCESS ROAD**ID UNITS: Feet**

Components:

1. Existing Road Erosion Control and Drainage (Feet of Road Protected) = \$3.45 per linear ft.
2. New Road Construction (To Replace Poorly Located Existing Roads) = \$4.23 per linear ft.

NOTE: Cost-share for these components is limited to AFO/CAFO areas or for erosion control on forested areas only.

366 ANAEROBIC DIGESTER, CONTROLLED TEMPERATURE**ID UNITS: Number**

Components:

1. Concrete foundation, tanks (0-338 head, per 1,000 pound animal unit), insulated building, instrumentation, complete installation (Induced Blanket Reactor style) = \$355,000.00 each.
2. Concrete foundation, tanks (339-675 head, per 1,000 pound animal unit), insulated building, instrumentation, complete installation (Induced Blanket Reactor style) = \$490,000.00 each.
3. Concrete foundation, tanks (> 675 head, per 1,000 pound animal unit), insulated building, instrumentation, complete installation (Induce Blanket Reactor style) = \$630,000.00 each.
4. Mixed Tank, complete installation = \$21.93 per gallon daily load rate.

366 ANAEROBIC DIGESTER, CONTROLLED TEMPERATURE-- continued

5. Plug Flow Digester, complete installation = \$15.77 per gallon daily load rate.

NOTE: Cost-share for components 4 and 5 are based on the design daily loading rate.

316 ANIMAL MORTALITY FACILITY

ID UNITS: Number

Components:

1. Dairy or Beef Facility, 15'w x 18'd x 8'h bins, complete installation = \$10.00 per cu. ft. of storage.
2. Swine, 10'w x 14'd x 6-8'h bins, complete installation = \$7.84 per cu. ft. of storage.
3. Poultry, 8'w x 5'd x 5'h bins with an 8'w x 5'h continuous drop over (secondary) bin that runs behind the primary bins, complete installation = \$7.14 per cu. ft. of storage.

NOTE: Facilities include concrete or timber bins, concrete apron, and mono-slope roof. Design the facility for the largest carcass in a diversified operation. Equipment (loader or skid steer) size may dictate the bin dimensions.

NOTE: A CNMP is not required to receive a practice payment for this practice. Include a published reference on the mortality composting process in the O&M Plan.

NOTE: If needed use Fence (Code 382) for predator exclusion.

575 ANIMAL TRAILS AND WALKWAYS

ID UNITS: Feet

Components:

1. Trail/Walkway, Includes Application = \$2,900.00 each.

NOTE: For Fencing, use separate CI for practice Fence (Code 382).

450 ANIONIC POLYACRYLAMIDE (PAM) EROSION CONTROL

ID UNITS: Acres

Components:

1. Polyacrylamide Used in Furrow Irrigation = \$15.00 per acre.

NOTE: Under EQIP this component is a one time payment and is limited to a maximum 100 acres. This practice component can only be used as part of a detailed Irrigation Water Management (IWM) Plan.

370 ATMOSPHERIC RESOURCE QUALITY MANAGEMENT

ID UNITS: Acres

Components:

1. Replacement of existing diesel engines with less polluting engines (40 HP or less), complete installation = \$429.00 per horsepower.
2. Replacement of existing diesel engines with less polluting engines (>40 – 70 HP), complete installation = \$272.00 per horsepower.
3. Replacement of existing diesel engines with less polluting engines (>70 HP), complete installation = \$231.00 per horsepower.
4. Dust Abatement Methods on Roads (Magnesium Chloride) = \$0.80 per foot.
5. Dust Abatement Methods on Roads (Lignosulfonate or Emulsified Asphalt) = \$1.25 per foot.
6. Dust Abatement Methods on Roads (Acrylic polymer emulsions) = \$2.50 per foot.

NOTE: Payments for this practice are limited to air quality resource concerns in Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders and Silver Bow counties.

314 BRUSH MANAGEMENT

ID UNITS: Acres

Components:

1. Basal Bark Treatment of Salt Cedar or Russian olive = \$533.00 per acre.
2. Cut, Stump and Chip or Slash, Pile and Burn Treatment of Salt Cedar or Russian olive = \$733.00 per acre.
3. Mechanical Treatment of Conifer Encroachment = \$90.00 per acre.

NOTE: The number of acres receiving a practice payment will be limited to the acres with brush, not the total acres of the pasture.

322 CHANNEL BANK VEGETATION

ID UNITS: Acres

Components:

1. Seed and Seeding, Herbaceous Planting = \$94.00 per acre.
 2. Seed and Seeding, Herbaceous and Woody Planting = \$11,700.00 per acre.
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584 CHANNEL STABILIZATION

ID UNITS: Feet

Components:

1. Channel Stabilization with In-Stream Rock Structure for Stream < 50 CFS = \$1,400.00 each.
2. Channel Stabilization with In-Stream Rock Structure for Stream 50 CFS – 500 CFS = \$3,000.00 each.
3. Channel Stabilization with In-Stream Structure of Timber or Concrete = \$5,500.00 each.

NOTE: These costs include costs associated with alterations in channel dimensions, patterns, and profiles necessary to ensure the channels are stable including in-stream structures required to stabilize the bed. A practice payment cannot be received for Channel Stabilization (Code 584), Open Channel (Code 582) and Streambank and Shoreline Protection (Code 580) on the same reach.

NOTE: This practice is limited to protection of adjacent irrigation structures or buildings only.

360 CLOSURE OF WASTE IMPOUNDMENTS

ID UNITS: Number

Components:

1. Waste Impoundment Closure = \$2.85 per cu. yd. of earthfill.

NOTE: This cost includes the removal of residual solids, removal of manure contaminated soil, and unspecified earthfill compaction. This practice will have a payment cap of \$20,000.00 per contract.

317 COMPOSTING FACILITY

ID UNITS: Number

Components:

1. Clay pad = \$.22 per sq. ft.
2. Concrete pad with walls = \$6.13 per sq. ft. of floor space.

NOTE: This practice is only available for a practice payment where the participant does not have enough land to spread their manure following a nutrient management plan.

NOTE: This cost includes construction of pad, (slab and walls), site preparation and construction of subgrade. Facility is designed for manure composting only.

328 CONSERVATION CROP ROTATION

ID UNITS: Acres

Components:

1. Seed, Seeding, Packing = \$34.00 per acre.

NOTE: Component 1: Limited to the Flexible Legume – Cereal Cropping Rotation and limited to 320 acres per producer. This payment is only paid on the acres the year the legume is established in the crop rotation.

340 COVER CROP

ID UNITS: Acres

Components:

1. Seed, Seeding, Packing = \$27.00 per acre.

NOTE: Component 1: Not eligible for irrigated cropland and is capped at 500 acres. Component 1 is eligible on irrigated cropland in counties approved for the air quality initiative where wind erosion is a resource concern based on the WEQ.

2. Seed, Seeding, Packing for soil health and organic matter improvement = \$32.00 per acre.

NOTE: Component 2: Is limited to the Eastern Montana Soil Health Special Initiative and is capped at 300 acres. No haying or grazing of the cover crop is allowed.

342 CRITICAL AREA PLANTING

ID UNITS: Acres

Components:

1. Seed and Seeding Native Species Making up 90-100 percent of the Mixture, Packing if Necessary, Seeding with a Drill = \$76.00 per acre.
2. Seed and Seeding Native Species Making up 90-100 percent of the Mixture, Packing if Necessary, Seeding after a fire = \$108.00 per acre.
3. Seed and Seeding Native Species Making up 90-100 percent of the Mixture, Packing if Necessary, Broadcast Seeding = \$141.00 per acre.
4. Seed and Seeding Tame Species, Packing if Necessary, Seeding with a Drill = \$33.00 per acre.
5. Seed and Seeding Tame Species, Packing if Necessary, Seeding after a fire = \$40.00 per acre.
6. Seed and Seeding Tame Species, Packing if Necessary, Broadcast Seeding = \$55.00 per acre.

NOTE: Component 1: The mixture cannot contain more than ten percent non-native legumes.

NOTE: Plantings over 5 acres require approval by the State Resource Conservationist.

348 DAM, DIVERSION

ID UNITS: Number

Components:

1. Construction of Dam, Diversion (Rock Cross Vane – Rock Structure Only), Complete Installation = \$221.00 per ft. of bankfull stream width.
2. Construction of Dam, Diversion (Treated Lumber/Rock combination), Complete Installation = \$566.00 per ft. of diversion throat width.
3. Construction of Dam, Diversion (Concrete), Complete Installation = \$1,600.00 per cu. yd. of concrete.

356 DIKE

ID UNITS: Feet

Components:

1. Construction of Dike, Complete Installation = \$3.45 per linear foot of dike.

362 DIVERSION

ID UNITS: Feet

Components:

1. Construction of Earthen Diversion, Complete Installation = \$4.00 per linear ft.
2. Construction of Concrete Tee Wall, Complete Installation = \$50.00 per linear ft.

NOTE: This practice should be used for clean and/or dirty water diversions around feedlots.

647 EARLY SUCCESSIONAL HABITAT DEVELOPMENT/MANAGEMENT

ID UNITS: Acres

Components:

1. Seed and Seeding, Native Species, Making Up 90-100 percent of Mixture = \$46.00 per acre.

NOTE: The mixture cannot contain more than ten percent non-native legumes.

382 FENCE

ID UNITS: Feet

Components:

1. Fencing, 3-5 Barbed, Smooth Wire, Includes Installation = \$1.40 per ft.
2. Fencing, 3-5 Barbed, Smooth Wire, Mountain or Rough Terrain, Includes Installation = \$1.70 per ft.
3. Fencing, Barbed, 6-9 Wire (Managing a combination of livestock such as sheep, cattle and bison), Includes Installation = \$1.52 per ft.
4. Fencing, Jack and Wire, Includes Installation = \$2.50 per ft.
5. Fencing, Permanent Electric, Includes Installation, 2-5 Smooth Wire, Including energizer = \$0.65 per ft.

NOTE: For double deer fence installations count the length of both fences to determine the total length of the fence.

6. Fencing, Permanent Electric, Includes Installation, 2-5 Smooth Wire, Including energizer and clearing heavy brush or trees for orchards = \$1.65 per ft.
7. Fencing, Permanent Electric, Greater than 5 Smooth Wire, Including energizer = \$1.10 per ft.

NOTE: Component 7: Limited to concentrated livestock areas such as calving areas, feeding areas or feedlots and bee apiaries in areas with grizzly bear and wolf conflicts where they are listed as a T&E species.

8. Fencing, Regular Woven Wire or Goat Fence, Includes Installation = \$1.70 per ft.

NOTE: Antelope crossings are required when component 8 is installed.

9. Fencing, 2 Tier Woven Wire, Wildlife Fence around Shelterbelts, Includes Installation = \$2.40 per ft.
10. Fencing, Wildlife Fence around Tree Plantings or Bee Hives < 0.25 acres in size, Includes Installation = \$5.00 per ft.
11. Fencing, 2 Tier Woven Wire, Wildlife Fence Includes Installation and clearing heavy brush or trees for orchards = \$7.40 per foot.
12. Fencing, Safety Fence (Chain Link or No Climb) for Waste Storage Facility (including warning signs), Includes Installation = \$6.00 per foot.
13. Fencing, Predator Mitigation and Visibility Enhancement for Sage Grouse = \$0.16 per foot.

NOTE: Fences on cropland are not eligible for a practice payment.

386 FIELD BORDER

ID UNITS: Acres

Components:

1. Seed and Seeding, Native Species, making up 90-100 percent of mixture = \$46.00 per acre.

NOTE: Component 1: The mixture cannot contain more than ten percent non-native legumes.

2. Seed and Seeding, Tame Species = \$33.00 per acre.
3. Seed and Seeding, Pollinator Friendly Tame Species = \$39.00 per acre.

NOTE: Component 3: A practice payment will be provided for planting a sequentially blooming planting mix that provides flowering plants throughout the growing season. Mix must be selected from an NRCS-approved list found in the [Plant Materials Technical Note MT-46](#) and [Biology Technical Note MT-20](#).

393 FILTER STRIP

ID UNITS: Acres

Components:

1. Seed and Seeding, Crop Field Areas = \$33.00 per acre.

NOTE: For AFO/CAFO Facility Installations, use practice Vegetated Treatment Area (Code 635).

396 FISH PASSAGE

ID UNITS: Miles

Components:

1. Fish Passage Structure = \$3,300.00 each.

384 FOREST SLASH TREATMENT

ID UNITS: Acres

Components:

1. Slash Disposal – Pile and Burn, Chip, or Shred = \$375.00 per acre.
2. Slash Disposal – Remove, Chip or Shred = \$400.00 per acre.

NOTE: Payment for component 2 of this practice is limited to air quality resource concerns in Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders and Silver Bow counties.

666 FOREST STAND IMPROVEMENT

ID UNITS: Acres

Components:

1. Pre-commercial Thinning = \$450.00 per acre.
2. Coppice Harvest – Aspen Regeneration = \$250.00 per acre.
3. Sanitation Harvest, Removal of Diseased Trees = \$250.00 per acre.

NOTE: Component 3 can only be contracted to remove diseased or poor quality trees of non-commercial value. This does not include fire or insect killed trees.

655 FOREST TRAILS AND LANDINGS

ID UNITS: Acres

1. Trails, Landings, and Protective Measures = \$100.00 per acre in harvest area.

383 FUEL BREAK

ID UNITS: Acres

Components:

1. Forested – Thinning and Slash Treatment = \$825.00 per acre.
2. Structure – Thinning, Pruning and Slash Treatment (Restricted to maximum of five acres and only around structure) = \$1,100.00 per acre.

NOTE: Component 1 and/or 2 can only be contracted in conjunction with practice Forest Stand Improvement (Code 666).

410 GRADE STABILIZATION STRUCTURE

ID UNITS: Number

Components:

1. Structure in Irrigation Ditch < 15 CFS = \$3,150.00 each.
 2. Structure in Irrigation Ditch 15 CFS or greater = \$7,875.00 each.
 3. Pipeline, 18 Inch PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = \$35.03 per foot.
 4. Pipeline, 21 Inch, PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = \$47.93 per foot.
 5. Pipeline, 24 Inch, PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = \$53.16 per foot.
 6. Pipeline, 27 Inch, PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = \$68.31 per foot.
 7. Pipeline, 30 Inch, PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = \$78.90 per foot.
 8. Pipeline, 36 Inch, PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = \$100.19 per foot.
 9. Pipeline, 42 Inch, PVC or HDPE, 80 PSI or Greater, Trenching, including all appurtenances, installed = 141.24 per foot.
 10. Pipe Outlet Structure, Including installation = \$35,000.00 each.
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412 GRASSED WATERWAY

ID UNITS: Acres

Components:

1. Construction of New Grassed Waterway, Complete Installation = \$1,936.00 per acre.
 2. Construction of New Grassed Waterway with Fabric Barriers, Complete Installation = \$2,368.00 per acre.
 3. Construction of New Grassed Waterway with Fabric Barriers and Topsoil, Complete Installation = \$3,444.00 per acre.
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548 GRAZING LAND MECHANICAL TREATMENT

ID UNITS: Acres

Components:

1. Chiseling, Including Dragging if Necessary = \$26.00 per acre.

NOTE: A chisel may be substituted with appropriate equipment as discussed in the practice standard.

561 HEAVY USE AREA PROTECTION

ID UNITS: Acres

Components:

1. Construction of Permanent Livestock Wind Shelter, Includes Installation = \$27.00 per linear ft.

NOTE: Used materials that are certified by an NRCS employee stating that the material will meet the practice life span are not subject to the 50 percent cost-share reduction for used materials.

2. Construction of Portable Livestock Wind Shelter, Includes Installation = \$50.00 per linear ft.

NOTE: Payment for this component is limited to the two available drawings for construction of the 7.5 and 9.5 foot heights.

3. Construction of Permanent Livestock Wind Shelter over 9 ft. Tall, Includes Installation = \$45.21 per linear ft.

NOTE: Components 1-3 are eligible for payment only when there is an environmental benefit versus a production benefit. For example, a wind shelter for an existing feedlot would be viewed as a production enhancement versus installing a wind shelter as a part of a feedlot that is moved out of an environmentally sensitive area.

NOTE: Used materials that are certified by an NRCS employee stating that the material will meet the practice life span are not subject to the 50 percent cost-share reduction for used materials.

NOTE: Components 1-3 are eligible for payment for air quality improvements in Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders, and Silver Bow counties.

4. Animal Confinement Facility, Perimeter Barrier = \$13.00 per linear ft. based on 400 sq. ft. per Animal Unit.

NOTE: Under EQIP, Component 4 is only available in situations where an AFO or CAFO is being moved or modified to remove access of waste from state or tribal waters. The cost for interior watering facilities is limited to one watering facility per 150 head. The cost-share for watering facilities is paid using NRCS practices for providing livestock water. Other interior components including fences are not eligible for cost-share.

NOTE: Used materials that are certified by an NRCS employee stating that the material will meet the practice life span are not subject to the 50 percent cost-share reduction for used materials.

NOTE: A practice payment is authorized for feedlot relocation, with the following provisions:

- a. The existing location is to be abandoned in an environmentally safe manner as approved by the Montana Department of Environmental Quality (MTDEQ). Removal of existing feedlots can be cost-shared under practice Obstruction Removal (Code 500).
 - b. Operator must agree to permanently remove all livestock from the existing location along with other designated pollution sources. The following statement shall be included in the EQIP contract: "As a condition of EQIP providing a practice payment on feedlot relocation, the producer agrees to permanently eliminate all animals and designated pollution sources at the existing facility. Failure to comply with this provision may result in a recovery of federal cost-share funds."
 - c. In the event of a change in ownership, the abandoned lots would not be eligible for a future NRCS practice payment on waste management practices.
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797 HERBACEOUS WEED CONTROL

ID UNITS: Acres

Components:

1. Biological – Leafy Spurge, Applied = \$60.00 per acre (Based on 5 acres per release of insects. A release is 1,000 bugs with a maximum of 10 releases per 100 acres).
2. Biological – Knapweed, Applied = \$100.00 per acre (Based on 5 acres per release of insects. A release is 300 bugs with a maximum of 10 releases per 100 acres).
3. Cultural – Prescribed Grazing, Herding, Temporary Water and Fence = \$18.75 per acre.

NOTE: Under EQIP, practice Prescribed Grazing (Code 528) is required with this component.

4. Cultural – Hand Pulling = \$250.00 per acre.
5. Herbicide, Includes Aerial Application = \$60.00 per treated acre per year.
6. Herbicide, Includes Ground Application, Vehicle = \$120.00 per treated acre per year.
7. Herbicide, Includes Ground Application, Backpack = \$250.00 per treated acre.

NOTE: Under EQIP, the maximum for all components is \$150,000.00 per contract.

NOTE: Under EQIP, this practice is limited to noxious weed control on non-cropland and non-hayland only.

320 IRRIGATION CANAL OR LATERAL

ID UNITS: Feet

Components:

1. Relocation of Canal or Lateral = \$9.00 per linear ft.
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388 IRRIGATION FIELD DITCH

ID UNITS: Feet

Components:

1. Water Conveyance Structure = \$2.70 per linear ft.
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464 IRRIGATION LAND LEVELING

ID UNITS: Acres

Components:

1. Field Leveling = \$475.00 per acre.

NOTE: Cut or fill per acre must be greater than one-tenth (.10) foot per acre.

441 IRRIGATION SYSTEM, MICROIRRIGATION

ID UNITS: Number and Acres

Components:

1. Pipe, Mains and Sub Mains, Filters, Emitters, Valves, Fittings, Backflow Prevention Device, Trenching, (Shelterbelts), Complete Installation = \$0.36 per ft. for each row.

NOTE: Under EQIP, Component 1: Limited to \$2,500.00 per windbreak and limited to areas with 14 inches annual precipitation or less.

2. Pipe, Mains and Sub Mains, Filters, Emitters, Valves, Fittings, Backflow Prevention Device, Trenching, (Subsurface Drip Irrigation), Complete Installation = \$2,440.00 per acre.

NOTE: Under EQIP, Component 2: Is capped at 50 acres.

3. Pipe, Mains and Sub Mains, Filters, Emitters, Valves, Fittings, Backflow Prevention Device, Trenching, (Orchards), Complete Installation = \$2,200.00 per acre.
4. Upgrade from Existing Drip System to a Micro-Irrigation System, (Orchards), Complete Installation = \$900.00 per acre.

441 IRRIGATION SYSTEM, MICROIRRIGATION--continued.

NOTE: Under EQIP, Component 1 does not have to meet the requirements of an irrigation practice and therefore is not subject to LTP-3 certification or LTP-4.

442 IRRIGATION SYSTEM, SPRINKLER

ID UNITS: Number and Acres

Components:

1. Linear Move and Pivots, New, Includes pivot pad and tie-in (dogleg, trust block, valves, filter, and flow meter if part of the pivot package), without pipeline and pump, complete installation = \$653.00 per acre.
2. Linear Move and Pivots, Used, Includes pivot pad and tie-in (dogleg, thrust block, valves, filter, and flow meter if part of the pivot package), without pipeline and pump, complete installation = \$340.00 per acre.
3. Wheel Roll, Includes Riser Valves, complete installation = \$400.00 per acre.
4. Wheel Roll, Used, Includes Riser Valves, complete installation = \$240.00 per acre.
5. Hand Line, Includes Riser Valves, complete installation = \$192.00 per acre.
6. K-Line, Includes Riser Valves, complete installation = \$318.00 per acre.
7. High Pressure to Low Pressure Retrofit for Pivots = \$5.00 per foot.

NOTE: Used equipment requires prior approval of the NRCS Senior Engineer prior to contracting the item.

428 IRRIGATION, WATER CONVEYANCE (LINING)

ID UNITS: Feet

Components:

1. Non-Reinforced Concrete = \$15.10 per linear ft.
2. Reinforced Concrete = \$322.36 per cubic yard.
3. Flexible Membrane, 30 mil, PVC (includes 16 inch earth cover) = \$1.50 per sq. ft.
4. Flexible Membrane, 45 mil, Reinforced Poly Propylene (RPP) = \$1.27 per sq. ft.
5. Flexible Membrane, 40 mil, LLDPE, HDPE = \$1.17 per sq. ft.
6. Flexible Membrane, 60 mil, LLDPE, HDPE = \$1.34 per sq. ft.
7. Flexible Membrane, 45 mil, EPDM = \$1.22 per sq. ft.

NOTE: Costs in Components 3-7 include subgrade preparation of shaping and grading, rolling with a smooth drum roller and 8 ounce geotextile under layment.

430 IRRIGATION WATER CONVEYANCE (ALL PIPELINES EXCEPT GATED PIPE)

ID UNITS: Feet

Components:

1. Pipeline, Plastic, 80 PSI or Greater, Trenching, including all appurtenances, thrust blocks, installed = \$1.82 per pound.
 2. Pipeline, HDPE, Less than 4 Inches, Trenching, including all appurtenances, thrust blocks, installed = \$3.94 per pound.
 3. Pipeline, HDPE, 4 Inches or Greater, Trenching, including all appurtenances, thrust blocks, installed = \$2.04 per pound.
 4. Pipeline, PE Corrugated, Trenching, including all appurtenances, thrust blocks, installed = \$2.41 per pound.
 5. Pipeline, PVC, 80 PSI or Greater, Orchards only, Trenching, including all appurtenances, thrust blocks, installed = \$5.30 per ft.
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449 IRRIGATION WATER MANAGEMENT

ID UNITS: Acres

Components:

1. Irrigation Water Management for Pivots, Wheel Lines and Hand Lines = \$16.00 per acre.
 2. Irrigation Water Management for Surface Irrigation, Level 1 using measuring devices = \$25.00 per acre.
 3. Irrigation Water Management for Surface Irrigation, Level 2 using measuring devices and surge valves = \$58.00 per acre.
 4. Irrigation Water Management for Orchards = \$4,400.00 each.
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634 MANURE TRANSFERID UNITS: **Number**

Components:

1. Hard Hose Traveler, complete installation = \$45,000.00 each.

NOTE: Component 1: Covers a traveler with at least ¼-mile of 4-inch semi-rigid hose designed for wastewater application. Booster pumps and motor are included in the cost.

2. Hard Hose Traveler without Booster pumps, complete installation = \$24,000.00 each.

NOTE: Component 2: Covers a traveler with at least ¼-mile of 4-inch semi-rigid hose designed for wastewater application. Booster pumps and motor are not included in the cost.

3. Transfer Pipelines at Headquarters, complete installation = \$4.39 per pound of pipe.

NOTE: Component 3: Covers installation of pipelines and wastewater valves between barns, tanks, separators, and storage ponds.

4. Transfer Pipelines to Irrigation Systems, Ponds or Vegetated Treatment Areas, etc., = \$1.82 per pound.

NOTE: Component 4: Covers installation of pipelines to existing pivots or installation of a buried mainline with risers for manure spreading with a traveler.

5. Curbs and runways to scrap manure to a manure storage pond or tank = \$88.62 per linear ft.

6. Pipe for agitation and sludge removal = \$3.50 per pound of pipe installed.

NOTE: Component 6: Perforated and solid pipe installed in the bottom of an ag waste pond. Pipe is utilized for sludge agitation and removal. Component 6 is only applicable when used in conjunction with Waste Facility Cover (Code 367).**484 Mulching**ID UNITS: **Acres**

Components:

1. Application of peat moss around trees in orchards = \$1,674.00 per acre.

NOTE: This component is limited to 40 acres and the orchard land use.

2. Excelsior blanket mulch = \$.29 per sq. yd.

3. Vegetative (straw) mulching = \$100.00 per acre.

NOTE: Components two and three are used in conjunction with practice Critical Area Treatment (Code 342).**590 NUTRIENT MANAGEMENT**ID UNITS: **Acres**

Components:

Zone development will be completed within the first year of the contract. Choose from one of the following to develop nutrient management zones:1. Precision Agricultural Method – Setting up nutrient management zones using Electrical Conductivity (EC) Survey **or** using satellite imagery, and aerial photography, **or** Land-based Remote Sensing Images, and Zone Soil Sampling and Variable Rate Application of Fertilizer (Includes variable rate application of nutrients in the field through development of nutrient application map and nutrient application by a variable rate applicator that uses GPS-guided system) = \$14.00 per acre.

2. Precision Agriculture Method – Setting up nutrient management zones using Grid Soil Sampling which involves dividing a field into square or rectangular sections (grids) of several acres in size. One soil test per four acres on fields less than 50 acres in size and one test per five acres on fields greater than 50 acres and Variable Rate Application of Fertilizer (Includes variable rate application of nutrients in the field through development of nutrient application map and nutrient application by a variable rate applicator that uses GPS-guided system) = \$20.00 per acre.

Yield Mapping - mapping after zones have been established, zones soil sampled and fertilizer variable rate applied.

590 NUTRIENT MANAGEMENT--continued.

3. Precision Agricultural Method – Yield Mapping using a GPS-guided combine mounted monitor for documentation to monitor variation in the field and make adjustments as needed for future crops/forages, which includes a yield map and the delineation of high-, medium-, and low-productivity area (year one of contract) = \$10.00 per acre.
4. Precision Agricultural Method – Yield Mapping using a GPS-guided combine mounted monitor for documentation to monitor variation in the field and make adjustments as needed for future crops/forages, which includes a yield map and the delineation of high-, medium-, and low-productivity area (years two and three of contract) = \$2.00 per acre.

NOTE: Producers using variable rate application of fertilizer for the first time should keep their current cropping system the same. Changing cropping systems (crop fallow to re-crop) will not enable a fair comparison between the two methods of fertilizer application because of the potential for reduced yields due to moisture availability on re-crop acres.

NOTE: Components 3 and 4 are optional. If used, yield monitoring must be contracted for three crops. If producers do not select Components 3 and 4 as a part of their contract, they will not be eligible for those components in future contracts on this land.

NOTE: Components 1 and 2 are available for one year while Components 3 and 4 are a single payment and are limited to one and two years, respectively.

NOTE: A practice payment for precision agricultural methods is limited to 500 acres per contract.

5. Organic Livestock Conversion = \$30.00 per acre.

NOTE: Under EQIP, Component 5 is payable for three years and is limited to a maximum of 100 acres. Acreage already certified organic is not eligible. This payment is for transition of tame pastures or cropland seeded to pasture to certified organic tame pastures for use in transitioning to organic livestock production (does not include breaking of native sod). Operations approved for the organic livestock production payment must receive a letter or certificate from a USDA accredited certifying agency verifying the producer's successful completion of an organic system plan, annual inspection, and review by the certifying agency. A payment cannot be received for both organic livestock conversion and organic crop conversion.

6. Organic Crop Conversion = \$27.00 per acre.

NOTE: Under EQIP, Component 6 is payable for three years and is limited to a maximum of 100 acres. Acreage already certified organic is not eligible. Operations approved for the organic crop production payment must receive a letter or certificate from a USDA accredited certifying agency verifying the producer's successful completion of an organic system plan, annual inspection, and review by the certifying agency. A payment cannot be received for both organic livestock conversion and organic crop conversion.

7. Nutrient Management, Conventional (Not Precision Agriculture) = \$1.50 per acre.

NOTE: Under EQIP, Component 7 is payable one time. The number of soil tests should be based on MSU Extension Montguide MT200803AG which is: 20 subsamples per 80 acre field. The soil test analysis must be for a 0-6" and 6-24" profile depth for cropland and 0-6" or 0-12" profile depth for forage crops.

8. Nutrient Management, Foodweb analysis to determine bacteria and fungal levels = \$7.00 per acre.

NOTE: Under EQIP, Component 8 is payable for three years and is limited to the Eastern Montana Soil Health Special Initiative and limited to a maximum of 300 acres.

9. Nutrient Management for Orchards = \$300.00 each.

NOTE: Under EQIP Component 9 is payable for a maximum of three years.

500 OBSTRUCTION REMOVAL

ID UNITS: Acres

Components:

1. Removal of existing feedlots, or portions of feedlots, to eliminate contaminated runoff and livestock access to state waters (includes the removal of manure-contaminated soil, grading, shaping, seedbed preparation, and seeding = \$2,000.00 each.
2. Removal of existing fence in sage grouse occupied areas = \$0.40 per foot.

NOTE: Component 2 is available for a practice payment in the Sage Grouse Priority Area only.

582 OPEN CHANNEL

ID UNITS: Feet

Components:

1. Channels with Bankfull Discharges of 0 to 30 CFS = \$19.50 per ft. of channel.
2. Channels with Bankfull Discharges of over 30-150 CFS = \$67.00 per ft. of channel.

NOTE: These costs include costs associated with channel vegetation and alterations in channel dimensions, patterns, and profiles necessary to ensure the stream stability including in-stream structures required to stabilize the bed. A practice payment cannot be received for Open Channel (Code 582), Channel Stabilization (Code 584) and Streambank and Shoreline Protection (580) on the same reach.

NOTE: For Fencing, use separate CI for practice Fence (Code 382).

NOTE: A practice payment is not available for channels having bankfull flow greater than 150 cfs.

512 PASTURE AND HAY PLANTING

ID UNITS: Acres

Components:

1. Seedbed Preparation, Seed and Seeding, Tame Species = \$33.00 per acre.
2. Seedbed Preparation, Seed and Seeding, Pollinator Friendly Tame Species = \$39.00 per acre.

NOTE: Component 2: A practice payment will be provided for planting a sequentially blooming planting mix that provides flowering plants throughout the growing season. Mix must be selected from an NRCS-approved list found in [Plant Materials Technical Note MT-46](#) and [Biology Technical Note MT-20](#).

NOTE: Pasture or hay plantings that are part of a crop-pasture or crop-hay rotation and are being renovated are not eligible for a practice payment. Any hay planting on non-highly erodible cropland is not eligible for a practice payment.

NOTE: Highly erodible cropland with a cropping history of five out of the last seven years is eligible for a practice payment when seeded back to pasture or hay.

NOTE: Pasture plantings are limited to a maximum of ten percent legume.

NOTE: No permanent seedings are eligible on public land unless approved by the Assistant State Conservationist for Programs.

NOTE: Cropland with a cropping history of five out of the last seven years is eligible for a practice payment for seeding back to pasture or hay when addressing air quality resource concerns in Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders and Silver Bow counties.

516 PIPELINE

ID UNITS: Feet

Components:

1. Pipe, Trenching, or Plowing, Seeding if needed and Installation, Frost Free = \$2.25 per ft.
2. Pipe, Trenching, or Plowing, Seeding if needed and Installation, Not Frost Free = \$1.25 per ft.
3. Pipe, Trenching where site conditions require a Backhoe, seeding and installation = \$3.00 per ft.
4. Pipe, Excavation, Rock/Extreme Sites and Bedding, Seeding and Installation = \$4.00 per ft.
5. Pipe, Above Ground, Including Thrust Blocks, Anchors, and Installation = \$1.25 per ft.

NOTE: Water developments on cropland are not eligible for a practice payment unless cropland is seeded to pasture or rangeland.

378 POND

ID UNITS: Number

Components:

1. Wet Excavated Pond, Includes Installation when excavated materials are required to be moved off site = \$7.00 per cu. yd. of excavation.
2. Dry Excavated Pond, Includes Installation = \$2.95 per cu. yd. of excavation.
3. Embankment Pond, Includes Installation = \$6.00 per cu. yd.

NOTE: This practice is not to be used for wetland creation.

**NOTE: For Seeding, use separate CI for practice Critical Area Treatment (Code 342).
For Fencing, use separate CI for practice Fence (Code 382).**

521 POND SEALING OR LINING

ID UNITS: Number

Components:

1. Bentonite Dispersant = \$180.00 per ton of bentonite.
2. Flexible Membrane, 30 mil, PVC (includes 18 inch earthen cover) = \$1.28 per sq. ft.
3. Flexible Membrane, 45 mil, Reinforced Poly Propylene (RPP) = \$1.13 per sq. ft.
4. Flexible Membrane, 40 mil, LLDPE, HDPE = \$1.03 per sq. ft.
5. Flexible Membrane, 60 mil, LLDPE, HDPE = \$1.20 per sq. ft.
6. Flexible Membrane, 45 mil, EPDM = \$1.11 per sq. ft.

NOTE: Costs in Components 2-6 include subgrade preparation of shaping and grading, rolling with a smooth drum roller and 8 ounce geotextile under layment. Costs do not include pond construction.

462 PRECISION LAND FORMING

ID UNITS: Acre

Components:

1. Shaping within Animal Confinement Lots = \$1,425 per acre.

NOTE: This practice is for the purpose of directing and conveying lot runoff to the waste handling and storage system.

528 PRESCRIBED GRAZING

ID UNITS: Acres

Components:

1. Implementation of a prescribed grazing plan which balances forage production with livestock requirements with season of use rotated, winter feed areas away from riparian areas, monitoring plan developed, and contingency plan developed = \$1.00 per acre.

NOTE: Under EQIP, a payment is payable for a maximum of three years with a maximum payment of \$30,000.00 per contract after all facilitating practices (Fences, Water Development, etc.) needed for the grazing systems have been installed. This payment applies to tame and native grazing lands only where a prescribed grazing system is planned and implemented and at least 50 percent of the operating unit grazing land must be contracted for Prescribed Grazing. A payment cannot be made for both prescribed grazing and deferred grazing.

2. Implementation of a prescribed grazing plan which balances forage production with livestock requirements with livestock moved using a human herder to facilitate rotational grazing and predator deterrence for the entire grazing season, winter feed areas away from riparian areas, monitoring plan developed, and contingency plan developed = \$3.00 per acre each year for a maximum of three years.

NOTE: Component 2: Under EQIP a payment is payable for a maximum of three years with a maximum payment of \$30,000.00 per contract. This payment applies to tame and native grazing lands only where a prescribed grazing system is planned and implemented and at least 50 percent of the operating unit grazing land must be contracted for Prescribed Grazing. A payment cannot be made for prescribed grazing, upland wildlife habitat management or deferred grazing on the same acres.

NOTE: Component 2: This component is limited to areas with known grizzly bear or wolf livestock predation conflicts. Applicant or adjacent neighbor has livestock predation conflict issues with at least one of the two T&E species listed.

3. Implementation of a prescribed grazing plan which balances forage production with livestock requirements with season of use rotated, winter feed areas away from riparian areas, monitoring plan developed, and contingency plan developed using portable fence and water = \$19.00 per acre.

NOTE: Component 3: Under EQIP, a payment is payable for a maximum of three years with a cap of 640 acres for the portable fence and water to facilitate grazing management. This component has the following requirements:

Portable water facilities:

- a. HDPE pipe only. Install above or below ground. Connect to existing water source such as pipeline, well, tank, etc.
- b. Water troughs 300 gallons or less.
- c. If installing a portable pump (RAM, sling, nose, etc.) in a creek or river, the producer must provide proof of Montana water rights to remove the estimated amount of water.

Portable fencing materials:

- a. Electric fence charger must maintain minimum charge and ground as described in practice Fence (Code 382) specification.
 - b. To be used as interior cross fences. Not to be used as boundary fence or main pasture fence.
 - c. Initial fence locations to be determined with NRCS under the development of a grazing plan. Fences are portable, and it is understood that the producer will move them to adjust for animal forage needs, plant conditions, unexpected weather fluctuations, etc., to maximize the health, productivity and sustainability of all grazing lands within their control.
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533 PUMPING PLANT

ID UNITS: Number

Components:

1. Submersible Pump, (Well Pit, Pump and Electrical) Includes Installation = \$5,650.00 each.
2. Pump for Providing Livestock Water, Includes Installation = \$1,500.00 each.

NOTE: A practice payment is not available for pumps for use with practice Windbreak/Shelterbelt Establishment (Code 380) or Component 1 or 2 under Irrigation System, Microirrigation (Code 441).

3. Pump, Includes Installation, Greater than 2 HP or Less Than 10 HP = \$6,700.00 each.
4. Pump, Includes Installation, 10 HP to 30 HP = \$10,000.00 each.
5. Pump, Includes Installation, Greater than 30 HP to 75 HP = \$270 per horsepower.
6. Pump, Includes Installation, Greater than 75 HP = \$195 per horsepower.

NOTE: Costs in Components 3-6 include steel suction line, check valve, discharge steel dogleg, gear-operated butterfly valve, air vent, concrete pad, electrical panel and inspection.

7. Agitation Trailer = \$10,200.00 each.
8. Agitation/Pump Trailer = \$31,300.00 each.
9. Centrifugal Pit Pump (pump, mounting, electrical) or Piston Pump Assembly (hopper, pump, concrete pad, electrical), or Sump/Pump Assembly for Feedlot Runoff Control (48-inch manhole, guide rails, pump, electrical and intake assembly), Includes Installation = \$13,000.00 each.

NOTE: Costs in Components 9 can include either one of the three types of pumps. Contact the State Conservation Engineer if a sump/pump assembly alternative is selected.

10. Solar Pump for Typical Stockwater System with Panels or Generator at remote sites for livestock and wildlife water including weather proofing, self-starting, and able to pump water = \$10,625.00 each.

NOTE: A practice payment for a generator will only be available when reliable electric power is not available (greater than 2 miles away) and solar is not a viable option. The generator provides a minimum of 5,000 watts with unattended start controls, and trailer mounted with a propane storage fuel tank.

11. Variable Speed Controls for Pumps, > 2 HP = \$172.00 per horsepower.
12. Windmill, Including Installation (Including Mill, Tower, Pump, Cement, Sucker Rod, and Pipe) = \$5,200.00 each.
13. Floating Pump, Including Trailer and Pontoons, Complete = \$25,000.00 each.

550 RANGE PLANTING (90 to 100 percent Native Species)

ID UNITS: Acres

Components:

1. Seed and Seeding, Native Species Making Up 90-100 percent of Mixture = \$46.00 per acre.
2. Seed and Seeding, Pollinator Friendly Native Species = \$52.00 per acre.
3. Seed and Seeding, Native Species Making Up 90-100 percent of Mixture, for Reclamation of Cheat Grass Infested Areas West of the Continental Divide Only = \$73.00 per acre.
4. Seed and Seeding, Pollinator Friendly Native Species, for Reclamation of Cheat Grass Infested Areas West of the Continental Divide Only = \$83.00 per acre.
5. Plug Planting with Fabric, Native Species = \$2.49 per plug.
6. Plug Planting without Fabric, Native Species = \$0.95 per plug.

NOTE: Components 1 and 3: The mixture cannot contain more than ten percent non-native legumes.

NOTE: Components 2 and 4: A practice payment will be provided for planting a sequentially blooming planting mix that provides flowering plants throughout the growing season. Mix must be selected from an NRCS-approved list found in [Plant Materials Technical Note MT-46](#) and [Biology Technical Note MT-20](#).

345 RESIDUE AND TILLAGE MANAGEMENT, MULCH TILL

ID UNITS: Acres

Components:

1. Managing Residue on Flood Irrigated Acres = \$130.00 per acre.
2. Managing Residue on Sprinkler Irrigated Acres = \$100.00 per acre.

NOTE: Payment for Components 1 and 2 of this practice is payable for a maximum of three years and is limited to 200 acres per year of irrigated land planted to row crops.

3. Managing Residue on Dry Cropland = \$5.38 per acre.

NOTE: Payment for Component 3 of this practice is payable for a maximum of three years and is limited to air quality resource concerns in Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders and Silver Bow counties.

329 RESIDUE AND TILLAGE MANAGEMENT, NO-TILL / STRIP TILL / DIRECT SEED

ID UNITS: Acres

Components:

1. Managing Residue = \$12.50 per acre.

NOTE: Under EQIP a payment is payable for a maximum of three years after the practice is implemented and moves from an alternative conservation system to a basic conservation system or a basic conservation system to a resource management system with the maximum payment on 640 acres for the whole operation. This payment is limited to annual crop production.

NOTE: A payment cannot be paid for both Residue and Tillage Management and Salinity and Sodic Soil Management on the same acre of land.

391 RIPARIAN FOREST BUFFER

ID UNITS: Acres

Components:

1. Sprigging, Gathering, Transporting, Planting = \$1.25 per tree.
2. Stock, Fabric, Vegetative Control, Site Preparation Mechanical Plant, Installed = \$5.40 per tree.
3. Stock, Fabric, Vegetative Control, Site Preparation, Rigid Mesh Tubes, Mechanical Plant, Installed = \$7.90 per tree each (all components are needed to assure success of practice installation).
4. Stock, Fabric, Vegetative Control, Hand Scalping, Hand Plant, Installed = \$7.55 per tree.
5. Stock, Fabric, Vegetative Control, Hand Scalping, Rigid Mesh Tubes, Hand Plant, Installed = \$10.40 per tree each (all components are needed to assure success of practice installation).

NOTE: For Fencing, use separate CI for practice Fence (Code 382).

390 RIPARIAN HERBACEOUS COVER

ID UNITS: Acres

Components:

1. Seed and Seeding, Native Species, making up 90-100 percent of mixture = \$119.00 per acre.
2. Sprigging = \$85.00 per thousand sq. ft.

NOTE: Component 1: The mixture cannot contain more than ten percent non-native legumes.

NOTE: For Fencing, use separate CI for practice Fence (Code 382).

558 ROOF RUNOFF STRUCTURE

ID UNITS: Number

Components:

1. Standard 5-6 Inch Gutters and Downspouts = \$9.50 per ft.
2. Industrial 7-8 Inch Gutters and Downspouts = \$24.75 per ft.
3. Concrete Gutters beneath Roof Overhang = \$13.00 per ft.
4. Drip Line Trench = \$9.25 per ft.
5. Drip Line Concrete Curb = \$17.75 per ft.

NOTE: Component 3: Concrete gutter poured into an earthen constructed pad, directly below the roof overhang. Typical dimensions are: 24" wide, 6" in depth, with a 6" thick gravel base, and concrete is 6" thick.

NOTE: Component 4: Graded parabolic channel, trench is 3 ft. wide and 1 ft. in depth, lined with a geotextile and backfilled with gravel and rock.

NOTE: Component 5: 5-6" high by 9" wide concrete curb, to capture and divert roof runoff away from lot. Installed where impervious layer (concrete, asphalt) exists, and no other type of system is feasible.

570 RUNOFF MANAGEMENT SYSTEM

ID UNITS: Number

Components:

1. Silt fence around construction site = \$1.50 per linear ft.
2. Straw Bale Dams = \$8.00 per linear ft.
3. Fabric Barrier = \$0.17 per sq. ft.
4. Coconut rolls = \$6.00 per linear ft.
5. Straw wattles = \$1.45 per linear ft.

NOTE: Excelsior blanket mulch is available under practice Mulching (Code 484).

610 SALINITY AND SODIC SOIL MANAGEMENT

ID UNITS: Acres

Components:

1. Recharge area delineation, per site (total saline seep area investigated) = \$2,500.00 per site.
2. Recharge Area Moisture Management (Perennial Vegetation) = \$40.00 per acre each year for three years.

NOTE: A payment cannot be made for both Residue and Tillage Management and Salinity and Sodic Soil Management on the same acre of land.

NOTE: This practice is not to be used for wetland creation.

NOTE: For seeding use a separate CI for practice Pasture and Hay Planting (Code 512), or practice Range Planting (Code 550). For Salinity planting using Pasture and Hay Planting (Code 512) there is no restriction on the percent legume in the planting. The conservation plan must address Forage Harvest Management (Code 511) on the contracted areas.

632 SOLID LIQUID WASTE SEPARATION FACILITY

ID UNITS: Number

Components:

1. Settling Basin, < .1 acre-foot = \$1.08 per cu. ft.
2. Settling Basin, .1 acre-foot ≤ .5 acre-foot = \$0.59 per cu. ft.
3. Settling Basin, > 0.5 acre-foot = \$.34 per cu. ft.

NOTE: Payment for Components 1-3 are based on design storage volume. Costs include excavation, earthfill, graveled access ramp and an outlet structure with freeboard requirements. If a liner is required use a separate CI for Pond Sealing or Lining (Code 521).

4. Perimeter Dike with Outlet = \$8.75 per linear ft.

NOTE: Component 4 should be used when runoff catchment, collection and solids settling can be achieved within the lot itself. Costs include a protected PVC perforated standpipe outlet.

5. Waste Separation Facility with Storage = \$124,100.00 each.

NOTE: Costs in Component 5 include construction of a two-story building (8-foot concrete walls on first floor), purchase and installation of a press-screw separator, pre-separator, centrifuge, or mechanical screen-type separator, control panel, conveyor or auger, poly tank if necessary, and all required heating, ventilation, electric, and plumbing. Gutters for the building are included in this cost, as is all site preparation and subgrade construction. Pumps should be contracted separately.

6. Waste Separation Facility no storage = \$78,900.00 each.

NOTE: Component 6, costs include construction of a single-story building (4-foot concrete walls, 5" concrete slab, and 6' timbered wall), purchase and installation of a press-screw separator, centrifuge, or mechanical screen-type separator, pre-separator, control panel, 30' belt conveyor, poly tank if necessary, and all required heating, ventilation, electric, and plumbing. Gutters for the building are included in this cost, as is all site preparation and subgrade construction. Pumps should be contracted separately.

574 SPRING DEVELOPMENT

ID UNITS: Number

Components:

1. Spring Development, Complete for Collection System = \$3,000.00 each.

578 STREAM CROSSING

ID UNITS: Feet

Components:

1. Stream Crossing, Culvert and Roadway = \$4,800.00 each.
2. Stream Crossing, Ford = \$4.37 per sq. ft.
3. Stream Crossing, Steel Bridge for Pivot Wheels = \$2,900.00 each.

NOTE: For Fencing, use separate CI for practice Fence (Code 382).

395 STREAM HABITAT IMPROVEMENT AND MANAGEMENT

ID UNITS: Acres

Components:

1. In-Stream Water Improvement through Leasing or Conversion of Water Rights to Non-agriculture Use = \$80.00 per acre.

NOTE: A payment for Component 1 requires a site specific assessment from Montana Fish, Wildlife and Parks.

NOTE: Under EQIP, Component 1 is limited to 120 acres per contract.

580 STREAMBANK AND SHORELINE PROTECTION

ID UNITS: Feet

Components:

1. Streambank Protection for Channels with Rock Riprap = \$10.64 per sq. ft.
2. Streambank Protection for Channels with Articulated Concrete = \$14.37 per sq. ft.
3. Streambank Protection for Channels with Bioengineering Practices = \$52.25 per ft. of channel.
4. Streambank Protection for Channels with Vegetative Practices = \$1.00 per sq. ft.
5. Streambank Protection for Channels with Geocell = \$7.96 per sq. ft.

NOTE: These costs include alterations in channel dimensions necessary to ensure the stream banks are adequately protected and stable. A practice payment cannot be received for Open Channel (Code 582), Channel Vegetation (Code 584) and Streambank and Shoreline Protection (Code 580) on the same reach.

NOTE: Practice payments are based on sq. ft. of protected bank. Costs include a rock key.

NOTE: Practice payments for Components 1 and 2 are limited to protection of irrigation structures or buildings only.

NOTE: For Fencing, use separate CI for practice Fence (Code 382).

NOTE: All projects over 500 cfs bankfull flow must be approved by the State Conservation Engineer prior to contracting.

587 STRUCTURE FOR WATER CONTROL

ID UNITS: Number

Components:

1. Gate, Simple Slide or other Turnout = \$100.00 each.
2. Sprinkler Irrigation Pipe Inlet System = \$3,700.00 each.
3. Surface Irrigation Pipe Inlet System = \$3,000.00 each.
4. Miscellaneous Installation = \$2,500.00 each.
5. Small Installation = \$5,000.00 each.
6. Medium Installation = \$10,000.00 each.
7. Large Installation = \$20,000.00 each.
8. Culvert = \$2.40 per pound of CMP culvert installed.
9. Culvert = \$5.00 per pound of HDPE culvert installed.
10. Fish Screen-Coanda-effect or Rotating Drum screens, (Includes structure housing - metal, concrete, etc.) Installed = \$1,300.00 per CFS.
11. Turbulent Fountain, Installed = \$5,250.00 each.

NOTE: Before Miscellaneous, Small, Medium or Large Installations can be contracted, a description and cost estimate must be completed by an individual having the appropriate job approval authority documenting the cost.

**NOTE: For Seeding, use separate CI for practice Critical Area Treatment (Code 342).
For Fencing, use separate CI for practice Fence (Code 382).**

606 SUBSURFACE DRAIN

ID UNITS: Feet

Components:

1. Drainage around earthen ponds using perforated PE tubing, filter sock, and granular backfill to within 4 feet of the ground surface, Complete Installation = \$22.03 per ft.

NOTE: This practice is only to be used around waste storage facilities. The practice is used to lower the water table below waste storage facilities. Subsurface drainage under concrete tanks is included in the costs for the Waste Storage Facility (Code 313).

612 TREE/SHRUB ESTABLISHMENT**ID UNITS: Acres**

Components:

1. Trees/Shrubs (Bareroot, Containerized), Reforestation, Vegetation Control, Site Preparation, Planting, Complete Installation = \$2.00 per tree.
2. Trees/Shrubs (Bareroot, Containerized), Barrier Mesh Fabric, Vegetation Control, Site Preparation, Mechanical Planting, Complete Installation = \$5.40 per tree.
3. Trees/Shrubs (Bareroot, Containerized), Barrier Mesh Fabric, Vegetation Control, Site Preparation, Rigid Mesh Tubes, Mechanical Planting, Complete Installation = \$7.90 per tree (all components are needed to assure success of practice installation).
4. Trees/Shrubs (Bareroot, Containerized), Barrier Mesh Fabric, Vegetation Control, Site Preparation, (Chemical or Hand), Hand Planting, Complete Installation = \$7.55 per tree.
5. Trees/Shrubs (Bareroot, Containerized), Barrier Mesh Fabric, Vegetation Control, Site Preparation, (Chemical or Hand), Rigid Mesh Tubes, Hand Planting, Complete Installation = \$10.40 per tree (all components are needed to assure success of practice installation).

490 TREE/SHRUB SITE PREPARATION**ID UNITS: Acres**

Components:

1. Site Preparation for Forest Establishment (Mechanical, Chemical, Burning) = \$110.00 per acre.

NOTE: This component is limited to reforestation sites only.

660 TREE/SHRUB PRUNING**ID UNITS: Number**

Components:

1. Pruning = \$275.00 per acre.

NOTE: This component is not for hazard fuels reduction; see practice Fuel Break (Code 383).

620 UNDERGROUND OUTLET**ID UNITS: Feet**

Components:

1. Outlet, 4-8 inch PE Tubing = \$5.09 per ft.
2. Outlet, 10-12 inch PE Tubing = \$7.18 per ft.
3. Outlet, 15 inch Dual Wall PE Tubing = \$11.43 per ft.
4. Outlet, 18 inch Dual Wall PE Tubing = \$14.53 per ft.
5. Outlet, 4-6 inch PVC = \$4.83 per ft.
6. Outlet, 8 inch PVC = \$5.72 per ft.
7. Outlet, 10 inch PVC = \$6.82 per ft.
8. Outlet, 12 inch PVC = \$8.24 per ft.

645 UPLAND WILDLIFE HABITAT MANAGEMENT**ID UNITS: Acres**

Components:

1. Use of a rotational grazing system approved by NRCS designed to improve species of concern = \$2.85 per acre each year for a maximum of three years.

NOTE: Component 1: Under EQIP, the maximum payment is \$30,000.00 per contract. This payment applies to tame and native grazing lands only where a prescribed grazing system is planned and implemented and at least 50 percent of the operating unit grazing land must be contracted. The component must be contracted for three years to receive the payment. A payment cannot be made for upland wildlife habitat management, prescribed grazing or deferred grazing on the same acres.

635 VEGETATED TREATMENT AREA

ID UNITS: Acres

Components:

1. Vegetative Treatment Area = \$2,000.00 per acre.
2. Vegetative Treatment Area for Level I VTA = \$1,069.00 per acre.

NOTE: These costs include excavation, earthfill, grading and shaping, seeding, and construction of containment dikes and level spreaders. Detention/solid separation structures are constructed using practice Solid/Liquid Waste Separation Facility (Code 632). Conveyance of manure to vegetated treatment area is constructed using practice Manure Transfer (Code 634).

367 WASTE FACILITY COVER

ID UNITS: Number

Components:

1. Waste Storage Pond flexible membrane, floating, impermeable cover, gas transfer and flare assembly (excavation and fill required for installation, site and subgrade preparation and sludge removal system) = \$2.31 per sq. ft. of cover.

NOTE: Area quantity for payment is based on the horizontal surface area (sq. ft.) at the top interior of the pond.

313 WASTE STORAGE FACILITY

ID UNITS: Number

Components:

1. Clay Lined Pond or Geo-synthetic Lined Pond ($\leq 100,000$ cu. ft.) = \$0.72 per cu. ft. of storage.
2. Clay Lined Pond or Geo-synthetic Lined Pond (≤ 4.5 ft. depth, $> 100,000$ cu. ft.) = \$0.48 per cu. ft. of storage.
3. Clay Lined Pond or Geo-synthetic Lined Pond (> 4.5 ft. depth, $> 100,000$ cu. ft.) = \$0.37 per cu. ft. of storage.

NOTE: Pond costs include site preparation, earthwork, concrete ramps/chutes, liner material, under layment geotextile, soil cover material, and seeding. Storage capacity for payment is based on interior pond dimensions from bottom of pond to the spillway elevation.

4. Metal Tank ($\leq 150,000$ gal.) = \$0.58 per gal. of storage.
5. Metal Tank ($>150,000 - 350,000$ gal.) = \$0.35 per gal. of storage.
6. Metal Tank ($>350,000$ gal. – $1,200,000$ gal.) = \$0.26 per gal. of storage.

NOTE: Metal Tanks with a capacity greater than 1.2 million gallons will be capped at the 1.2 million gallon capacity payment level.

7. Buried Concrete Tank, ($\leq 2,500$ cu. ft.) = \$6.67 per cu. ft. of storage.
8. Buried Concrete Tank, ($> 2,500 - < 12,000$ cu. ft.) = \$4.98 per cu. ft. of storage.
9. Buried Concrete Tank, ($\geq 12,000$ cu. ft.) = \$3.13 per cu. ft. of storage.

NOTE: For purposes of this practice, "waste" refers to raw manure and urine, contaminated bedding, contaminated runoff water, and milking center wastewater.

NOTE: Tank costs include site preparation, earthwork, concrete, reinforcement steel, subgrade bedding, perimeter drains for water table control, granular backfill, and seeding. A practice payment is authorized for tanks that serve as foundations for buildings, however eligible costs are only associated with the storage function. Storage capacity for payment is based on full interior tank dimensions.

10. Concrete Dry Waste Stacking Facility = \$1.38 per cu. ft. of storage.

NOTE: Costs for dry stacking pad includes earthwork and subgrade bedding. Storage capacity for payment is based on the design storage requirements.

11. Roof Structure = \$14.25 per sq. ft. based on the size of the building footprint area.

313 WASTE STORAGE FACILITY--continued.

NOTE: Post frame or hoop frame buildings for the purpose of feedlot runoff control include the roof, frame, footings, and compacted clay pad. It does not include sidewalls, interior divisions, concrete floors, feeding facilities, watering facilities, or electrical components.

Roof Structures shall be used only as the least cost alternative for feedlot runoff control. In most cases, all livestock in the operation shall be confined under the roof. The application of roof structures shall be approved by the State Conservation Engineer prior to contracting.

NOTE: Safety fence (with warning signs), manure transfer (pump or gravity), and Bentonite (as a soil-liner additive) should be contracted separately.

NOTE: A practice payment is authorized for feedlot relocation, with the following provisions:

- The existing location is to be abandoned in an environmentally safe manner as approved by the Montana Department of Environmental Quality (MTDEQ). Removal of existing feedlots can be cost-shared under practice Obstruction Removal (Code 500).
- Operator must agree to permanently remove all livestock from the existing location along with other designated pollution sources. The following statement shall be included in the EQIP contract: "As a condition of an EQIP practice payment on feedlot relocation, the producer agrees to permanently eliminate all animals and designated pollution sources at the existing facility. Failure to comply with this provision may result in a recovery of federal cost-share funds."
- In the event of a change in ownership, the abandoned lots would not be eligible for future NRCS cost-sharing on waste management practices.

633 WASTE UTILIZATION

ID UNITS: Acres

Components:

1. Waste Spreading (Spreading, Manure Analysis, Proper Application) = \$3.50 per ton (limited to one year's manure production with a maximum of 6,000 tons).

NOTE: Under EQIP, a practice payment for waste spreading in Component 1 is payable one time based on one year's animal waste as outlined in a nutrient management plan and is limited to 6,000 tons.

NOTE: In Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders, and Silver Bow counties for air quality improvement, under EQIP, a practice payment for waste spreading in Component 1 is payable for two years if six months of animal waste is spread in the spring and six months of animal waste is spread in the fall each year. This payment is based on two year's animal waste as outlined in a nutrient management plan and is limited to 12,000 tons.

2. Waste Spreading (Spreading, Manure Analysis, Proper Application) = \$14.00 per 1,000 gallons (limited to one year's manure production with a maximum of 1,500,000 gallons of manure).

NOTE: Under EQIP, a practice payment for waste spreading in Component 2 is payable one time based on one year's animal waste as outlined in a nutrient management plan and is limited to 1,500,000 gallons of manure.

NOTE: In Flathead, Lake, Lincoln, Missoula, Rosebud, Sanders, and Silver Bow counties for air quality improvement, under EQIP, a practice payment for waste spreading in Component 2 is payable for two years if six months of animal waste is spread in the spring and six months of animal waste is spread in the fall each year. This payment is based on two year's animal waste as outlined in a nutrient management plan and is limited to 3,000,000 gallons.

NOTE: A practice payment is available for either Component 1 or 2, but not both.

614 WATERING FACILITY

ID UNITS: Number

Components:

1. Tank, < 1,000 gallons Includes Installation = \$1,300.00 each.
2. Tank, 1,000 gallons to ≤ 1,400 gallons, Includes Installation = \$1,800.00 each.
3. Tank, > 1,400 gallons to ≤ 2,000 gallons, Includes Installation = \$2,100.00 each.
4. Tank, > 2,000 gallons, Includes Installation = \$1.65 per gallon.
5. Tank, Storage, New, Includes Installation = \$1.20 per gallon.
6. Tank, Storage, Used, Includes Installation = \$0.60 per gallon.
7. Tank, Winter, ≥ 125 gallons to ≤ 450 gallons, Includes Installation = \$1,500.00 each.
8. Tank, Winter, greater than 450 gallons to ≤ 950 gallons, Includes Installation = \$2,000.00 each.
9. Tank, Winter, greater than 950 gallons, Includes Installation = \$4,000.00 each.
10. Tank, Winter, < 125 gallons, Includes Installation = \$1,000.00 each.
11. Tank, Retrofit existing tank with wildlife escape ramp = \$50.00 each per tank.

NOTE: Rubber tires used for a livestock water tank are not subject to the 50 percent cost-share reduction.

NOTE: All Troughs and Tanks are Contracted As Complete Installation.

NOTE: For AFO/CAFO installations interior watering facilities are limited to one watering facility per 150 head and only when required for the facility to be EPA/DEQ compliant.

NOTE: Water developments on cropland are not eligible for a practice payment unless cropland is seeded to pasture or rangeland.

638 WATER AND SEDIMENT CONTROL BASIN

ID UNITS: Number

Components:

1. Basin, 0-3 feet High Narrow Base = \$1,073.00 each.
2. Basin, 0-3 Feet High Broad Base (Side Slopes are Farmable) = \$3,470.00 each.
3. Basin, Greater Than 3 Feet to 6 Feet High Narrow Base = \$2,370.00 each.
4. Basin, Greater Than 3 Feet to 6 Feet High Broad Base (Side Slopes are Farmable) = \$5,220.00 each.

642 WATER WELL

ID UNITS: Number

Components:

1. Cementing and packing of existing flowing and non-flowing artesian wells, to conserve groundwater in artesian aquifers and to protect higher quality groundwater from incursion by poor quality water. Final design is the responsibility of a licensed water well contractor. This item requires a report by the NRCS Geologist or by the Montana Bureau of Mines and Geology = \$2,000.00 each.
2. Winterizing and valving of existing artesian wells, including well house or pit, pitless adapter, fittings, and installation = \$5,000.00 each.
3. Drilling and Casing for 7 Inches or Less Casing = \$30.87 per linear ft.

NOTE: A practice payment is not available for wells for use with practice Windbreak/Shelterbelt Establishment (Code 380) or Component 1 under Irrigation System, Microirrigation (Code 441).

4. Drilling and Casing for greater than 7-Inch Casing = \$55.00 per linear ft.
5. Drilling, Driving, Grouting of 8-Inch or Greater Casing = \$80.00 per ft.
6. Mobilization, Set Up, Drilling and Casing for Shallow Wells (Less than 60 feet) = \$1,900.00 each.

NOTE: A practice payment for a dry well is not available under EQIP as stated in the ineligible cost section of the EQIP manual.

NOTE: Water developments on cropland are not eligible for a practice payment unless cropland is seeded to pasture or rangeland. The purpose of the well is not for crop aftermath grazing.

351 WELL DECOMMISSIONING

ID UNITS: Number

Components:

1. Sealing of an Abandoned Well (\leq 8-inch diameter and \leq 200 feet deep) = \$450.00 per well.
2. Sealing of an Abandoned Well ($>$ 8-inch diameter and \leq 200 feet deep) = \$2,000.00 per well.
3. Sealing of an Abandoned Well ($>$ 200 feet deep) = \$3.00 per ft.

659 WETLAND ENHANCEMENT

ID UNITS: Acres

Components:

1. Enhancement of a Wetland, Excavation = \$7,100.00 per quarter acre.
2. Wetland Drain Plug with Water Control Structure = \$3,570.00 each.
3. Wetland Drain Plug w/o Water Control Structure = \$850.00 each.
4. Drain Filling = \$8.98 per ft.

657 WETLAND RESTORATION

ID UNITS: Acres

Components:

1. Restoration of a Wetland, Excavation = \$7,100.00 per quarter acre.
2. Restoration of a Wetland, Plug with Structure = \$3,570.00 each.
3. Restoration of a Wetland, Plug without Structure = \$850.00 each.
4. Drain Filling = \$8.98 per ft.

380 WINDBREAK/SHELTERBELT ESTABLISHMENT

ID UNITS: Feet

Components:

1. Tree/Shrub Rows, Includes Installation (Mechanical Site Preparation, Vegetation Control, Stock, Planting Labor) = \$2.00 per tree.
2. Tree/Shrub Rows, Includes Installation (Mechanical Site Preparation, Vegetation Control, Stock, Fabric, Planting Labor) = \$4.00 per tree.
3. Tree/Shrub Rows, Includes Installation (Mechanical Site Preparation, Vegetation Control, Stock, Fabric, Rigid Mesh Tubes, Planting Labor) = \$6.00 per tree.
4. Tree/Shrub Rows, Includes Installation (Chemical Site Preparation, Vegetation Control, Stock, Hand Planting Labor) = \$4.30 per tree.
5. Tree/Shrub Rows, Includes Installation (Chemical Site Preparation, Vegetation Control, Stock, Fabric, Hand Planting Labor) = \$6.80 per tree.
6. Tree/Shrub Rows, Includes Installation (Chemical Site Preparation, Vegetation Control, Stock, Fabric, Staples, Rigid Mesh Tubes, Hand Planting Labor) = \$8.80 per tree.

NOTE: For Fencing, use separate CI for practice Fencing (Code 382).

650 WINDBREAK/SHELTERBELT RENOVATION

ID UNITS: Feet

Components:

1. Adding New Trees to Replace Dead Trees = \$150.00 per 100-ft. row.
2. Removal of Entire Tree and/or Shrub Row = \$200.00 per 100-ft. row.
3. Thinning of Trees and/or Shrubs = \$75.00 per 100-ft. row.