

BEECH RIDGE ENERGY WIND PROJECT
Habitat Conservation Plan
FINAL ENVIRONMENTAL IMPACT STATEMENT

Appendix D: Vegetation and Animal Lists for FEIS

Table D-1. Scientific Names of Plants and Animals Referred to in FEIS

Table D-2. Vertebrate Animals Known or Expected to Occur in Project Area

Appendix D

Table D-1. Scientific Names of Plants and Animals Referred to in DEIS

Plants			
Common Name	Scientific Name	Common Name	Scientific Name
Allegheny menziesia	<i>Menziesia pilosa</i>	Medium red clover	<i>Trifolium pratense</i>
American beech	<i>Fagus grandifolia</i>	Morrow's honeysuckle	<i>Lonicera morrowii</i>
American mountain-ash	<i>Sorbus americana</i>	Mountain laurel	<i>Kalmia latifolia</i>
Annual rye	<i>Lolium multiflorum</i>	Mountain magnolia	<i>Fraser magnolia</i>
Autumn olive	<i>Elaeagnus umbellata</i>	Mountain maple	<i>Acer spicatum</i>
Black cherry	<i>Prunus serotina</i>	Multiflora rose	<i>Rosa multiflora</i>
Black locust	<i>Robinia pseudoacacia</i>	Oak	<i>Quercus</i> spp.
Blackberry	<i>Rubus</i> spp.	Perennial rye	<i>Lolium perenne</i>
Bush clover	<i>Lespedeza</i> spp.	Pine	<i>Pinus</i> spp.
Cherry	<i>Prunus</i> spp.	Red fescue	<i>Festuca rubra</i>
Clover	<i>Trifolium</i> spp.	Red oak	<i>Quercus rubra</i>
Cucumber tree	<i>Magnolia acuminata</i>	Red spruce	<i>Picea rubens</i>
Eastern hemlock	<i>Tsuga canadensis</i>	Shale barren rock cress	<i>Arabis serotina</i>
Elderberry	<i>Sambucus</i> sp.	Small whorled pogonia	<i>Isotria medeoloides</i>
Fawn tall fescue	<i>Schedonorus phoenix</i>	Stinging nettle	<i>Urtica dioica</i>
Garlic mustard	<i>Alliaria petiolata</i>	Striped maple	<i>Acer pensylvanicum</i>
Goldenrod	<i>Solidago</i> spp.	Sugar maple	<i>Acer saccharum</i>
Grass	<i>Poa</i> spp.	Tree-of-heaven	<i>Ailanthus altissima</i>
Greenbrier	<i>Smilax</i> spp.	Trefoil	<i>Lotus</i> spp.
Japanese stiltgrass	<i>Microstegium vimineum</i>	Tulip tree	<i>Liriodendron tulipifera</i>
Jewelweed	<i>Impatiens capensis</i>	Vetch	<i>Vicia</i> spp.
Kudzu	<i>Pueraria montana</i> var. <i>lobata</i>	Virginia spiraea	<i>Spiraea virginiana</i>
Maple	<i>Acer</i> spp.	Yellow birch	<i>Betula alleghaniensis</i>
		White oak	<i>Quercus alba</i>

Fish		Amphibians	
Common Name	Scientific Name	Common Name	Scientific Name
Bass	<i>Micropterus</i> spp.	Cheat Mountain salamander	<i>Plethodon nettingi</i>
Brook trout	<i>Salvelinus fontinalis</i>		
Candy darter	<i>Etheostoma osburni</i>		
Darter	<i>Etheostoma</i> spp.		
Rock bass	<i>Ambloplites rupestris</i>		
Sculpin	<i>Cottus</i> spp.		

Birds			
Common Name	Scientific Name	Common Name	Scientific Name
American kestrel	<i>Falco sparverius</i>	Hooded warbler	<i>Setophaga citrina</i>
American redstart	<i>Setophaga ruticilla</i>	Indigo bunting	<i>Passerina cyanea</i>
American woodcock	<i>Scolopax minor</i>	Kentucky warbler	<i>Geothlypis formosa</i>
Bald eagle	<i>Haliaeetus leucocephalus</i>	Mallard	<i>Anas platyrhynchos</i>
Barred owl	<i>Strix vari</i>	Nashville warbler	<i>Oreothlypis ruficapilla</i>
Bay-breasted warbler	<i>Setophaga castanea</i>	Northern harrier	<i>Circus cyaneus</i>
Black vulture	<i>Coragyps atratus</i>	Osprey	<i>Pandion haliaetus</i>
Black-and-white warbler	<i>Mniotilta varia</i>	Ovenbird	<i>Seiurus aurocapilla</i>
Black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	Prairie warbler	<i>Setophaga discolor</i>
Blackburnian warbler	<i>Setophaga fusca</i>	Red crossbill	<i>Loxia curvirostra</i>
Black-throated green warbler	<i>Setophaga virens</i>	Red-eyed vireo	<i>Vireo olivaceus</i>
Blue-winged warbler	<i>Vermivora cyanoptera</i>	Red-headed woodpecker	<i>Melanerpes erythrocephalus</i>
Broad-winged hawk	<i>Buteo platypterus</i>	Red-shouldered hawk	<i>Buteo lineatus</i>
Brown thrasher	<i>Toxostoma rufum</i>	Red-tailed hawk	<i>Buteo jamaicensis</i>
Canada warbler	<i>Cardellina canadensis</i>	Sharp-shinned hawk	<i>Accipiter striatus</i>
Cerulean warbler	<i>Setophaga cerulea</i>	Song sparrow	<i>Melospiza melodia</i>
Chestnut-sided warbler	<i>Setophaga pensylvanica</i>	Steller's jay	<i>Cyanocitta stelleri</i>
Chipping sparrow	<i>Spizella passerina</i>	Swainson's thrush	<i>Catharus ustulatus</i>
Cooper's hawk	<i>Accipiter cooperii</i>	Turkey vulture	<i>Cathartes aura</i>
Dark-eyed junco	<i>Junco hyemalis</i>	Veery	<i>Catharus fuscescens</i>
Eastern kingbird	<i>Tyrannus tyrannus</i>	Whip-poor-will	<i>Caprimulgus vociferus</i>
Eastern towhee	<i>Pipilo erythrophthalmus</i>	Wood duck	<i>Aix sponsa</i>
Field sparrow	<i>Spizella pusilla</i>	Wood thrush	<i>Hylocichla mustelina</i>
Golden eagle	<i>Aquila chrysaetos</i>	Yellow-bellied flycatcher	<i>Empidonax flaviventris</i>
Golden-winged warbler	<i>Vermivora chrysoptera</i>	Yellow-breasted chat	<i>Icteria virens</i>
Gray catbird	<i>Dumetella carolinensis</i>		

Mammals			
Common Name	Scientific Name	Common Name	Scientific Name
Big brown bat	<i>Eptesicus fuscus</i>	Little brown bat	<i>Myotis lucifugus</i>
Black bear	<i>Ursus americanus</i>	Meadow jumping mouse	<i>Zapus hudsonius</i>
Bobcat	<i>Lynx rufus</i>	Northern bat	<i>Eptesicus nilssonii</i>
Brazilian free-tailed bat	<i>Tadarida brasiliensis</i>	Northern long-eared bat	<i>Myotis septentrionalis</i>
California ground squirrel	<i>Otospermophilus beecheyi</i>		
Coyote	<i>Canis latrans</i>	Northern water shrew	<i>Sorex palustris albibarbis</i>
Deer mouse	<i>Peromyscus maniculatus</i>	Raccoon	<i>Procyon lotor</i>
Eastern elk	<i>Cervus canadensis canadiensis</i>	Rafinesque's big-eared bat	<i>Corynorhinus rafinesquii</i>
Eastern red bat	<i>Lasiurus borealis</i>	Red squirrel	<i>Sciurus vulgaris</i>
Eastern small-footed bat	<i>Myotis leibii</i>	Seminole bat	<i>Lasiurus seminolus</i>
Evening bat	<i>Nycticeius humeralis</i>	Silver-haired bat	<i>Lasionycteris noctivagans</i>
Flying squirrel	<i>Glaucomys</i> spp.	Tri-colored bat	<i>Pipistrellus subflavus</i>
Fox squirrel	<i>Sciurus niger</i>	Virginia big-eared bat	<i>Corynorhinus townsendii virginianus</i>
Gray bat	<i>Myotis grisescens</i>	Weasel	<i>Mustela</i> spp.
Gray squirrel	<i>Sciurus carolinensis</i>	West Virginia northern flying squirrel	<i>Glaucomys sabrinus fuscus</i>
Hoary bat	<i>Lasiurus cinereus</i>	White-tailed deer	<i>Odocoileus virginianus</i>
Indiana bat	<i>Myotis sodalis</i>	Woodland bison	<i>Bison bison athabasca</i>

Appendix D

Table D-2. Vertebrate animals known or expected to occur in project area. (Note: List does not confine an animal's occurrence to its breeding season)

Sources: Michael (1994), Lipton and White (1995), Canterbury (2006), Sauer et al. (2011), West Virginia Breeding Bird Atlas (2011), Young et al. (2011a, 2011b), and information provided by the West Virginia Wildlife Diversity Program.

Amphibians			
Common Name	Scientific Name	Common Name	Scientific Name
Jefferson salamander	<i>Ambystoma jeffersonianum</i>	Green salamander	<i>Aneides aeneus</i>
Spotted salamander	<i>Ambystoma maculatum</i>	Northern red salamander * (S3)	<i>Pseudotriton r. ruber</i>
Marbled salamander	<i>Ambystoma opacum</i>	Northern spring salamander	<i>Gyrinophilus p. porphyriticus</i>
Red-spotted newt (red eft)	<i>Notophthalmus v. viridescens</i>	Four-toed salamander	<i>Hemidactylium scutatum</i>
Northern dusky salamander	<i>Desmognathus fuscus</i>	Eastern American toad	<i>Bufo a. americanus</i>
Seal salamander	<i>Desmognathus monticola</i>	Fowler's toad	<i>Bufo woodhouseii fowleri</i>
Allegheny mountain dusky salamander	<i>Desmognathus ochrophaeus</i>	Gray treefrog	<i>Hyla versicolor / chrysoscelis</i>
Eastern redback salamander	<i>Plethodon cinereus</i>	Northern spring peeper	<i>Pseudacris c. crucifer</i>
Valley and ridge salamander	<i>Plethodon hoffmani</i>	Mountain chorus frog	<i>Pseudacris brachyphona</i>
Northern slimy salamander	<i>Plethodon glutinosus</i>	Bullfrog	<i>Rana catesbeiana</i>
Wehrle's salamander	<i>Plethodon wehrlei</i>	Northern green frog	<i>Rana clamitans melanota</i>
Northern two-lined salamander	<i>Eurycea bislineata</i>	Wood frog	<i>Rana sylvatica</i>
Long-tailed salamander	<i>Eurycea l. longicauda</i>	Pickerel frog	<i>Rana palustris</i>

* West Virginia rare, threatened, and endangered animals and Natural Heritage Program rank (WVDNR 2007): S3 = 21 to 100 documented occurrences.

Reptiles			
Common Name	Scientific Name	Common Name	Scientific Name
Common snapping turtle	<i>Chelydra s. serpentina</i>	Eastern worm snake	<i>Carphophis amoenus</i>
Eastern box turtle	<i>Terrapene c. carolina</i>	Northern ring-necked snake	<i>Diadophis punctatus edwardsii</i>
Northern fence lizard	<i>Sceloporus undulatus</i>	Northern black racer	<i>Coluber c. constrictor</i>
Five-lined skink	<i>Eumeces fasciatus</i>	Eastern smooth green snake	<i>Opheodrys vernalis</i>
Northern coal skink	<i>Eumeces a. anthracinus</i>	Black rat snake	<i>Elaphe o. obsoleta</i>
Northern brown snake	<i>Storeria d. dekayi</i>	Eastern milk snake	<i>Lampropeltis triangulum</i>
Northern red-bellied snake	<i>Storeria o. occipitamaculata</i>	Northern copperhead	<i>Agkistrodon contortrix</i>
Eastern garter snake	<i>Thamnophis s. sirtalis</i>	Timber rattlesnake * (S3)	<i>Crotalus horridus</i>

* West Virginia rare, threatened and endangered animals and Natural Heritage Program rank (WVDNR 2007): S3 = 21 to 100 documented occurrences.

Birds			
Common name	Scientific name	Common name	Scientific name
Wood duck	<i>Aix sponsa</i>	Blue-gray gnatcatcher	<i>Poliophtila caerulea</i>
Mallard	<i>Anas platyrhynchos</i>	Golden-crowned kinglet	<i>Regulus satrapa</i>
Wild turkey	<i>Meleagris gallopavo</i>	Ruby-crowned kinglet †	<i>Regulus calendula</i>
Black vulture * (S3B S4N)	<i>Coragyps atratus</i>	Eastern bluebird	<i>Sialia sialis</i>
Turkey vulture	<i>Cathartes aura</i>	Veery	<i>Catharus fuscescens</i>
Osprey † * (S2B)	<i>Pandion haliaetus</i>	Gray-cheeked thrush †	<i>Catharus minimus</i>
Golden eagle †	<i>Aquila chrysaetos</i>		
Bald eagle † ♦ * (S2B S1N)	<i>Haliaeetus leucocephalus</i>	Bicknell's thrush †	<i>Catharus bicknelli</i>
Northern harrier * (S1B S3N)	<i>Circus cyaneus</i>	Swainson's thrush * (S3B)	<i>Catharus ustulatus</i>
Sharp-shinned hawk	<i>Accipiter striatus</i>	Hermit thrush	<i>Catharus guttatus</i>
Cooper's hawk	<i>Accipiter cooperii</i>	Wood thrush ♦	<i>Hylocichla mustelina</i>
Northern goshawk † * (S1B S1N)	<i>Accipiter gentilis</i>	American robin	<i>Turdus migratorius</i>
Red-shouldered hawk	<i>Buteo lineatus</i>	Gray catbird	<i>Dumetella carolinensis</i>
Broad-winged hawk	<i>Buteo platypterus</i>	Brown thrasher	<i>Toxostoma rufum</i>
Red-tailed hawk	<i>Buteo jamaicensis</i>	Cedar waxwing	<i>Bombycilla cedrorum</i>
Golden eagle †	<i>Aquila chrysaetos</i>	Ovenbird	<i>Seiurus aurocapilla</i>
American kestrel	<i>Falco sparverius</i>	Worm-eating warbler ♦	<i>Helmitheros vermivorum</i>
Merlin †	<i>Falco columbarius</i>	Northern waterthrush †	<i>Parkesia noveboracensis</i>
American woodcock	<i>Scolopax minor</i>	Golden-winged warbler ♦ * (S2B)	<i>Vermivora chrysoptera</i>
Rock pigeon	<i>Columba livia</i>	Blue-winged warbler † ♦	<i>Vermivora cyanoptera</i>
Mourning dove	<i>Zenaida macroura</i>	Black-and-white warbler	<i>Mniotilta varia</i>
Yellow-billed cuckoo	<i>Coccyzus americanus</i>	Swainson's warbler ♦ * (S3B)	<i>Limnothlypis swainsonii</i>
Black-billed cuckoo	<i>Coccyzus erythrophthalmus</i>	Tennessee warbler	<i>Oreothlypis peregrina</i>
Eastern screech-owl	<i>Megascops asio</i>	Orange-crowned warbler †	<i>Oreothlypis celata</i>
Great horned owl	<i>Bubo virginianus</i>	Nashville warbler * (S1B)	<i>Oreothlypis ruficapilla</i>
Barred owl	<i>Strix varia</i>	Mourning warbler	<i>Geothlypis philadelphia</i>
Northern saw-whet owl † ♦ * (S2B S1N)	<i>Aegolius acadicus</i>	Kentucky warbler ♦	<i>Geothlypis formosa</i>
Common nighthawk †	<i>Chordeiles minor</i>	Common yellowthroat	<i>Geothlypis trichas</i>
Eastern whip-poor-will ♦	<i>Caprimulgus vociferus</i>	Hooded warbler	<i>Setophaga citrina</i>
Chimney swift	<i>Chaetura pelagica</i>	American redstart	<i>Setophaga ruticilla</i>
Ruby-throated hummingbird	<i>Archilochus colubris</i>	Cape may warbler †	<i>Setophaga tigrina</i>
Red-headed woodpecker * ♦ (S2B S3N)	<i>Melanerpes erythrocephalus</i>	Northern parula	<i>Setophaga americana</i>
Red-bellied woodpecker	<i>Melanerpes carolinus</i>	Magnolia warbler	<i>Setophaga magnolia</i>
Yellow-bellied sapsucker † ♦ * (S1B S3N)	<i>Sphyrapicus varius</i>	Bay-breasted warbler †	<i>Setophaga castanea</i>
Downy woodpecker	<i>Picoides pubescens</i>	Blackburnian warbler * (S3B)	<i>Setophaga fusca</i>

Birds			
Common name	Scientific name	Common name	Scientific name
Hairy woodpecker	<i>Picoides villosus</i>	Yellow warbler	<i>Setophaga petechia</i>
Northern flicker	<i>Colaptes auratus</i>	Chestnut-sided warbler	<i>Setophaga pensylvanica</i>
Pileated woodpecker	<i>Dryocopus pileatus</i>	Blackpoll warbler †	<i>Setophaga striata</i>
Eastern wood-pewee	<i>Contopus virens</i>	Black-throated blue warbler	<i>Setophaga caeruleascens</i>
Yellow-bellied flycatcher † * (S1B)	<i>Empidonax flaviventris</i>	Palm warbler	<i>Setophaga palmarum</i>
Acadian flycatcher †	<i>Empidonax virescens</i>	Yellow-rumped warbler	<i>Setophaga coronata</i>
Alder flycatcher * (S3B)	<i>Empidonax alnorum</i>	Prairie warbler ♦	<i>Setophaga discolor</i>
Willow flycatcher	<i>Empidonax traillii</i>	Black-throated green warbler	<i>Setophaga virens</i>
Least flycatcher	<i>Empidonax minimus</i>	Canada warbler ♦	<i>Cardellina canadensis</i>
Eastern phoebe	<i>Sayornis phoebe</i>	Wilson's warbler †	<i>Cardellina pusilla</i>
Great crested flycatcher	<i>Myiarchus crinitus</i>	Yellow-breasted chat	<i>Icteria virens</i>
Eastern kingbird	<i>Tyrannus tyrannus</i>	Eastern towhee	<i>Pipilo erythrophthalmus</i>
White-eyed vireo	<i>Vireo griseus</i>	Chipping sparrow	<i>Spizella passerina</i>
Blue-headed vireo	<i>Vireo solitarius</i>	Field sparrow	<i>Spizella pusilla</i>
Red-eyed vireo	<i>Vireo olivaceus</i>	Vesper sparrow * (S3B S2N)	<i>Pooecetes gramineus</i>
Blue jay	<i>Cyanocitta cristata</i>	Song sparrow	<i>Melospiza melodia</i>
American crow	<i>Corvus brachyrhynchos</i>	Swamp sparrow †	<i>Melospiza georgiana</i>
Common raven	<i>Corvus corax</i>	White-throated sparrow †	<i>Zonotrichia albicollis</i>
Tree swallow	<i>Tachycineta bicolor</i>	White-crowned sparrow †	<i>Zonotrichia leucophrys</i>
Northern rough-winged swallow	<i>Stelgidopteryx serripennis</i>	Dark-eyed junco	<i>Junco hyemalis</i>
Barn swallow	<i>Hirundo rustica</i>	Scarlet tanager	<i>Piranga olivacea</i>
Black-capped chickadee ♦	<i>Poecile atricapillus</i>	Northern cardinal	<i>Cardinalis cardinalis</i>
Tufted titmouse	<i>Baeolophus bicolor</i>	Rose-breasted grosbeak	<i>Pheucticus ludovicianus</i>
Red-breasted nuthatch	<i>Sitta canadensis</i>	Indigo bunting	<i>Passerina cyanea</i>
White-breasted nuthatch	<i>Sitta carolinensis</i>	Red-winged blackbird	<i>Agelaius phoeniceus</i>
Brown creeper	<i>Certhia americana</i>	Common grackle †	<i>Quiscalus quiscula</i>
Carolina wren	<i>Thryothorus ludovicianus</i>	Brown-headed cowbird	<i>Molothrus ater</i>
House wren	<i>Troglodytes aedon</i>	Purple finch †	<i>Carpodacus purpureus</i>
Winter wren	<i>Troglodytes hiemalis</i>	American goldfinch	<i>Spinus tristis</i>

† Observed as migrant, probable migrant, or winter resident.

♦ Federal bird of conservation concern in Appalachian Mountains conservation region (USFWS 2008a).

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S1 = 5 or fewer documented occurrences, or very few remaining individuals within the state. Extremely rare and critically imperiled.

S2 = 6 to 20 documented occurrences, or few remaining individuals within the state. Very rare and imperiled.

S3 = 21 to 100 documented occurrences.

S4 = Common and apparently secure with more than 100 occurrences.

B = Breeding

N = Non-breeding

Mammals			
Common Name	Scientific Name	Common Name	Scientific Name
Virginia opossum	<i>Didelphis virginiana</i>	Gray squirrel	<i>Sciurus carolinensis</i>
Masked shrew	<i>Sorex cinereus</i>	Fox squirrel	<i>Sciurus niger</i>
Smoky shrew	<i>Sorex fumeus</i>	Red squirrel	<i>Tamiasciurus hudsonicus</i>
Northern short-tailed shrew	<i>Blarina brevicauda</i>	Southern flying squirrel	<i>Glaucomys volans</i>
Hairy-tailed mole	<i>Parascalops breweri</i>	Deer mouse	<i>Peromyscus maniculatus</i>
Virginia big-eared bat † * (S2)	<i>Corynorhinus townsendii virginianus</i>	Southern red-backed vole	<i>Clethrionomys gapperi</i>
Big brown bat	<i>Eptesicus fuscus</i>	Southern rock vole * (S2)	<i>Microtus chrotorrhinus carolinensis</i>
Silver-haired bat * (S2)	<i>Lasyonycteris noctivagans</i>	Meadow vole	<i>Microtus pennsylvanicus</i>
Eastern red bat	<i>Lasiurus borealis</i>	Woodland vole	<i>Microtus pinetorum</i>
Hoary bat	<i>Lasiurus cinereus</i>	Southern bog lemming * (S2)	<i>Synaptomys cooperi</i>
Eastern small-footed bat * (S1)	<i>Myotis leibii</i>	Woodland jumping mouse	<i>Napaeozapus insignis</i>
Little brown bat	<i>Myotis lucifugus</i>	Coyote	<i>Canis latrans</i>
Northern long-eared bat	<i>Myotis septentrionalis</i>	Red fox	<i>Vulpes vulpes</i>
Indiana bat † * (S1)	<i>Myotis sodalis</i>	Gray fox	<i>Urocyon cinereoargenteus</i>
Tri-colored bat (eastern pipistrelle)	<i>Perimyotis subflavus</i>	Black bear	<i>Ursus americanus</i>
Eastern cottontail	<i>Sylvilagus floridanus</i>	Raccoon	<i>Procyon lotor</i>
Appalachian cottontail	<i>Sylvilagus obscurus</i>	Long-tailed weasel	<i>Mustela frenata</i>
Snowshoe hare	<i>Lepus americanus</i>	Striped skunk	<i>Mephitis mephitis</i>
Eastern chipmunk	<i>Tamias striatus</i>	Bobcat	<i>Lynx rufus</i>
Woodchuck	<i>Marmota monax</i>	White-tailed deer	<i>Odocoileus virginianus</i>

† Federally listed

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S2 = 6 to 20 documented occurrences, or few remaining individuals within the state. Very rare and imperiled.

S3 = 21 to 100 documented occurrences.

S4 = Common and apparently secure with more than 100 occurrences.