

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Red text indicates new text, including new CEs; ~~strikethrough~~ formatted text indicates deleted text or CEs.

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
5.2.1	-	Eliminated. Replaced by multiple new CEs	Routine operation, maintenance, and minor upgrading of existing TVA facilities.
	1	New CE	Educational or informational activities undertaken by TVA alone or in conjunction with other agencies, public and private entities, or the general public.
5.2.2	2	Minor Clarification	Technical and planning assistance to State, and local and private organizations and entities.
5.2.3	3	No change	Personnel Actions.
5.2.4	4	No change	Procurement activities.
5.2.5	5	No change	Accounting, auditing, financial reports and disbursement of funds.
5.2.6	6	No change	Contracts or agreements for the sale, purchase, or interchange of electricity.
5.2.7	-	Eliminated	Activities related to the promotion and maintenance of employee health.
5.2.8	-	Eliminated	Activities of TVA's Equal Employment Opportunity staff.
5.2.9	7	No change	Administrative actions consisting solely of paperwork.
5.2.10	8	Minor Clarification	Communication, transportation, computer service and other office services.
5.2.11	9	Minor Clarification	Property protection activities that do not physically alter facilities or grounds, law enforcement and other legal activities.
5.2.12	10	Minor Clarification	Emergency preparedness actions not involving the modification of existing facilities or grounds.
	11	New CE	Minor actions to address threats to public health and safety, including, but not limited to, temporary prohibition of existing uses of TVA land or property, short-term closures of sites, and selective removal of trees that pose a hazard.
5.2.13	12	Clarification	Site characterization, data collection, inventory preparation, Preliminary planning, studies, or reviews consisting of only paperwork monitoring, and other similar activities that have little to no physical impacts.
5.2.14	-	Eliminated	Exploration for Uranium, including hydrologic investigations.
5.2.15	13	Minor Clarification	Preliminary on-site Engineering and environmental studies for future power generating plants and other energy related facilities that involve minor physical impacts, including but not limited to, geotechnical borings, dye-testing, installation of monitoring stations and groundwater test wells, and minor actions to facilitate access to a site.
5.2.21	14	Minor Clarification	Conducting or funding M minor research, development and demonstration projects and programs.

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
	15	Reserved for new CE in the future	Reserved.
5.2.16	-	Eliminated. Replaced by new CE #12	Establishment of environmental quality monitoring programs and field monitoring stations.
	16	New CE	Construction of new transmission line infrastructure, including electric transmission lines generally no more than 10 miles in length and that require no more than 125 acres of new developed rights-of-way and no more than 1 mile of new access road construction outside the right-of-way; and/or construction of electric power substations or interconnection facilities, including switching stations, phase or voltage conversions, and support facilities that generally require the physical disturbance of no more than 10 acres.
5.2.17	17	Major Modification	Routine modification, repair, and maintenance of, and minor upgrade of and addition to, existing transmission infrastructure, including the addition, retirement, and/or replacement of breakers, transformers, bushings, and relays; transmission line uprate, modification, reconductoring, and clearance resolution; and limited pole replacement. This exclusion also applies to improvements of existing access roads and construction of new access roads outside of the right-of-way that are generally no more than 1 mile in length. Transmission line relocation, tap-ins, or modifications or substation alterations due to conflicts such as new highway projects and projects requiring acquisition of minor amounts of additional substation property or transmission line right of way easements.
5.2.18	18	Minor Clarification	Construction, modification and operation of communication facilities and/or equipment, including, but not limited to, (i.e., power line carriers, insulated overhead ground wires/fiber optic cables, devices for electricity transmission control and monitoring devices, VHF radios, and microwaves and support towers).
5.2.19	-	Eliminated	Backslope agreements involving properties on which TVA holds an interest between operators and other adjacent mining companies.
	19	New CE	Removal of conductors and structures, and/or the cessation of right-of-way vegetation management, when existing transmissions lines are retired; or the rebuilding of transmission lines within or contiguous to existing rights-of-way involving generally no more than 25 miles in length and no more than 125 acres of expansion of the existing right-of-way.
5.2.20	20	Minor Clarification	Purchase, conveyance, exchange, lease, or sale, or lease purchase of stepdown facilities, transmission lines, and/or disposal of existing substations, substation equipment, switchyards, and/or transmission lines and rights-of-way and associated equipment by distributors or customers directly served by TVA between TVA and other utilities and/or customers.
	21	New CE	Purchase or lease, and subsequent operation of existing combustion turbine or combined-cycle plants for which there is existing adequate transmission and interconnection to the TVA

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
			transmission system and whose planned operation by TVA is within the normal operating levels of the purchased or leased facility.
5.2.22		Eliminated; Replaced by multiple new CEs	Construction of visitor reception centers.
	22	New CE	Development of dispersed recreation sites (generally not to exceed 10 acres in size) to support activities such as hunting, fishing, primitive camping, wildlife observation, hiking, and mountain biking. Actions include, but are not limited to, installation of guardrails, gates and signage, hardening and stabilization of sites, trail construction, and access improvements/controls.
5.2.23	23	Minor Clarification	Development of minor TVA public use areas and that generally result in the physical disturbance of no more than 10 acres, including, but not limited to, construction of parking areas, campgrounds, stream access points, and day use areas.
5.2.24	24	Minor Clarification	Minor non-TVA activities conducted by non-TVA entities on TVA property to be authorized under contract or , license, permit, or covenant agreements, including those for utility crossings, encroachments , agricultural uses, recreational uses , rental of structures, and sales of miscellaneous structures and materials from TVA land.
5.2.25	25	Minor Clarification	Purchase, Transfer, lease, or disposal (sale, abandonment or exchange) of (a) minor tracts of land, mineral rights, or and land rights, and (b) minor rights in ownership of permanent structures.
5.2.26	26	Minor Clarification	Approvals under Section 26a of the TVA Act of minor structures, boat docks and ramps, and shoreline facilities.
5.2.27	-	Eliminated	Any action which does not have a primary impact upon the physical environment.
5.2.28	-	Eliminated	Actions which were the subject of an EA which concluded that the category of such action should be treated as a categorical exclusion.
-	27	New CE	Installation of minor shoreline structures or facilities, boat docks and ramps, and actions to stabilize shoreline (generally up to 1/2 mile in length) by TVA.
-	28	New CE	Minor modifications to land use allocations outside of a normal land planning cycle to: rectify administrative errors; incorporate new information that is consistent with a previously approved decision included in the land use plan; or implement TVA's shoreline or land management policies generally affecting no more than 10 acres.
-	29	New CE	Actions to restore and enhance wetlands, riparian, and aquatic ecosystems that generally involve physical disturbance of no more than 10 acres, including, but not limited to, construction of small water control structures; revegetation actions using native materials; construction of small berms, dikes, and fish attractors; removal of debris and sediment following natural or human-caused disturbance events; installation of silt fences; construction

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
			of limited access routes for purposes of routine maintenance and management; and reintroduction or supplementation of native, formerly native, or established species into suitable habitat within their historic or established range.
-	30	New CE	Actions to maintain, restore, or enhance terrestrial ecosystems that generally involve physical disturbance of no more than 125 acres, including, but not limited to, establishment and maintenance of non-invasive vegetation; bush hogging; prescribed fires; installation of nesting and roosting structures, fencing, and cave gates; and reintroduction or supplementation of native, formerly native, or established species into suitable habitat within their historic or established range.
-	31	New CE	<p>The following forest management activities:</p> <ul style="list-style-type: none"> a. Actions to manipulate species composition and age class, including, but not limited to, harvesting or thinning of live trees and other timber stand improvement actions (e.g., prescribed burns, non-commercial removal, chemical control), generally covering up to 125 acres and requiring no more than 1 mile of temporary or seasonal permanent road construction; b. Actions to salvage dead and/or dying trees including, but not limited to, harvesting of trees to control insects or disease or address storm damage (including removal of affected trees and adjacent live, unaffected trees as determined necessary to control the spread of insects or disease), generally covering up to 250 acres and requiring no more than 1 mile of temporary or seasonal permanent road construction; and c. Actions to regenerate forest stands, including, but not limited to, planting of native tree species upon site preparation, generally covering up to 125 acres and requiring no more than 1 mile of temporary or seasonal permanent road construction.
-	32	New CE	Actions to manage invasive plants including, but not limited to, chemical applications, mechanical removal, and manual treatments that generally do not physically disturb more than 125 acres of land.
-	33	New CE	Actions to protect cultural resources including, but not limited to, fencing, gating, signing, and bank stabilization (generally up to 1/2 mile in length when along stream banks or reservoir shoreline).
-	34	New CE	Reburial of human remains and funerary objects under the Native American Graves Protection and Repatriation Act that are inadvertently discovered or intentionally excavated on TVA land.
-	35	New CE	Installation or modification (but not expansion) of low-volume groundwater withdrawal wells (provided that there would be no drawdown other than in the immediate vicinity of the pumping well and that there is no potential for long-term decline of the water table or

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
			degradation of the aquifer), or plugging of groundwater or other wells at the end of their operating life. Site characterization must verify a low potential for seismicity, subsidence, and contamination of freshwater aquifers.
-	36	New CE	<p>Routine operation, repair or in-kind replacement, and maintenance actions for existing buildings, infrastructure systems, facility grounds, public use areas, recreation sites, and operating equipment at or within the immediate vicinity of TVA’s generation and other facilities. Covered actions are those that are required to maintain and preserve assets in their current location and in a condition suitable for use for its designated purpose. Such actions will not result in a change in the design capacity, function, or operation. (Routine actions that include replacement or changes to major components of buildings, facilities, infrastructure systems, or facility grounds, and actions requiring new permits or changes to an existing permit(s) are addressed in CE 37). Such actions may include, but are not limited to, the following:</p> <ul style="list-style-type: none"> a. Regular servicing of in-plant and on-site equipment (including during routine outages) such as gear boxes, generators, turbines and bearings, duct work, conveyers, and air preheaters; fuel supply systems; unloading and handling equipment for fuel; handling equipment for ash, gypsum or other by-products or waste; hydropower, navigation and flood control equipment; water quality and air emissions control or reduction equipment; and other operating system or ancillary components that do not increase emissions or discharges beyond current permitted levels; b. Regular servicing of power equipment and structures within existing transmission substations and switching stations; c. Routine testing and calibration of facility components, subsystems, or portable equipment (such as control valves, in-core monitoring devices, transformers, capacitors, monitoring wells, weather stations, and flumes); d. Routine cleaning and decontamination, including to surfaces of equipment, rooms, and building systems (including HVAC, septic systems, and tanks); e. Repair or replacement of plumbing, electrical equipment, small HVAC systems, sewerage, pipelines, and telephone and other communication service; f. Repair or replacement of doors, windows, walls, ceilings, roofs, floors and lighting fixtures in structures less than 50 years old; g. Painting and paint removal at structures less than 50 years old, including actions taken to contain, remove, or dispose of lead-based paint when in accordance with applicable requirements;

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
			<ul style="list-style-type: none"> h. Recycling and/or removal of materials, debris, and solid waste from facilities, in accordance with applicable requirements; i. Grounds keeping actions, including mowing and landscaping, snow and ice removal, application of fertilizer, erosion control and soil stabilization measures (such as reseeding and revegetation), removal of dead or undesirable vegetation with a diameter of less than 3 inches (at breast height), and leaf and litter collection and removal; j. Repair or replacement of gates and fences; k. Maintenance of hazard buoys; l. Maintenance of groundwater wells, discharge structures, pipes and diffusers; m. Maintenance and repair of process, wastewater, and stormwater ponds and associated piping, pumping, and treatment systems; n. Maintenance and repair of subimpoundments and associated piping and water control structures; o. Debris removal and maintenance of intake structures and constructed intake channels including sediment removal to return them to the originally-constructed configuration; and p. Clean up of minor spills as part of routine operations.
-	37	New CE	<p>Modifications, upgrades, uprates, and other actions that alter existing buildings, infrastructure systems, facility grounds, and plant equipment, or their function, performance, and operation. Such actions, which generally will not physically disturb more than 10 acres, include but are not limited to, the following:</p> <ul style="list-style-type: none"> a. Replacement or changes to major components of existing buildings, facilities, infrastructure systems, facility grounds, and equipment that are like-kind in nature; b. Modifications, improvements, or operational changes to in-plant and on-site equipment that do not substantially alter emissions or discharges beyond current permitted limits. Examples of equipment include, but are not limited to: gear boxes, generators, turbines and bearings, duct work, conveyers, superheaters, economizers, air preheaters, unloading and handling equipment for fuel; handling equipment for ash, gypsum or other by-products or waste; hydropower, navigation and flood control equipment; air and water quality control equipment; control, storage, and treatment systems (e.g. automation, alarms, fire suppression, ash ponds, gypsum storage, and ammonia storage and handling systems); and other operating system or ancillary components; c. Installation of new sidewalks, fencing, and parking areas at an existing facility; d. Installation or upgrades of large HVAC systems;

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
			<p>e. Modifications to water intake and outflow structures provided that intake velocities and volumes and water effluent quality and volumes are consistent with existing permit limits;</p> <p>f. Repair or replacement of doors, windows, walls, ceilings, roofs, floors and lighting fixtures in structures greater than 50 years old; and</p> <p>g. Painting and paint removal at structures greater than 50 years old, including actions taken to contain, remove and dispose of lead-based paint when in accordance with applicable requirements.</p>
-	38	New CE	Siting, construction, and use of buildings and associated infrastructure (e.g., utility lines serving the buildings) physically disturbing generally no more than 10 acres of land not previously disturbed by human activity or 25 acres of land so disturbed.
-	39	New CE	Siting and temporary placement and operation of trailers, prefabricated and modular buildings, or tanks on previously disturbed sites at an existing TVA facility.
-	40	New CE	Demolition and disposal of structures, buildings, equipment and associated infrastructure and subsequent site reclamation, subject to applicable review for historical value, on sites generally less than 10 acres in size.
-	41	New CE	Actions to maintain roads, trails, and parking areas (including resurfacing, cleaning, asphalt repairs, and placing gravel) that do not involve new ground disturbance (i.e., no grading).
-	42	New CE	Improvements to existing roads, trails, and parking areas, including, but not limited to, scraping and regrading; regrading of embankments; installation or replacement of culverts; and other such minor expansions.
-	43	New CE	Actions to enhance and control access to TVA Property including, but not limited to, construction of new access road and parking area (generally no greater than 1 mile in length and physically disturbing no more than 10 acres of land not previously disturbed by human activity or 25 acres of land so disturbed) and installation of control measures such as gates, fences, or post and cable.
-	44	New CE	Small-scale, non-emergency cleanup of solid waste or hazardous waste (other than high-level radioactive waste and spent nuclear fuel) to reduce risk to human health or the environment. Actions include collection and treatment (such as incineration, encapsulation, physical or chemical separation, and compaction), recovery, storage, or disposal of wastes at existing facilities currently handling the type of waste involved in the action.
-	45	New CE	Installation, modification, and operation of the following types of renewable or waste-heat recovery energy projects which increase generating capacity at an existing TVA facility, generally comprising of physical disturbance to no more than 10 acres of land not previously disturbed by human activity or 25 acres of land so disturbed:

Crosswalk of TVA Categorical Exclusions (*February 2020*)

Expiring CE	Proposed CE	Proposed Change	CE Definition (with Changes)
			<p>a. Combined heat and power or cogeneration systems at existing buildings or sites; and b. Solar photovoltaic systems mounted on the ground, an existing building or other structure (such as a rooftop, parking lot or facility and mounted to signage lighting, gates or fences).</p>
-	46	New CE	Transactions (contracts or agreements) for purchase of electricity from new methane gas electric generating systems using commercially available technology and installed within an area previously developed or disturbed by human activity.
-	47	New CE	Modifications to the TVA rate structure (i.e., rate change) that result in no predicted increase in overall TVA-system electricity consumption.
-	48	New CE	Financial and technical assistance for programs conducted by non-TVA entities to promote energy efficiency or water conservation, including, but not limited to, assistance for installation or replacement of energy efficient appliances, insulation, HVAC systems, plumbing fixtures, and water heating systems.
-	49	New CE	Financial assistance including, but not limited to, approving and administering grants, loans and rebates for the renovation or minor upgrading of existing facilities, established or developing industrial parks, or existing infrastructure; the extension of infrastructure; geotechnical boring; and construction of commercial and light industrial buildings. Generally, such assistance supports actions that physically disturb no more than 10 acres of land not previously disturbed by human activity or no more than 25 acres of land so disturbed.
-	50	New CE	Financial assistance for the following: approving and administering grants, loans and rebates for continued operations or purchase of existing facilities and infrastructure for uses substantially the same as the current use; purchasing, installing, and replacing equipment or machinery at existing facilities; and completing engineering designs, architectural drawings, surveys, and site assessments (except when tree clearing, geotechnical boring, or other land disturbance would occur).