

Duke Energy Kentucky, Inc.
Environmental Compliance Plan

<u>Project #</u>	<u>Project Description</u>	<u>Air Pollutant or Waste/Byproduct to be controlled</u>	<u>Control Facility</u>	<u>Generating Station</u>	<u>Environmental Regulation</u>	<u>Environmental Permits¹</u>	<u>Scheduled Completion</u>	<u>Actual (A) or Est. (E) Projected Capital Cost (\$Million)</u>
1.	EB020290 Lined Retention Basin West;	Bottom Ash	CCR/ELG	East Bend	EPA CCR and ELG Final Rules	Division of Surface Water, KPDES Permit #0040444 Dam Safety Permit from Division of Surface Water listed (Stream Construction Permit), Permit No. 26395P	November 2018	\$10(A)
2.	EB020745 Lined Retention Basin East;	Bottom Ash	CCR/ELG	East Bend	EPA CCR and ELG Final Rules	Division of Surface Water, KPDES Permit #0040444 Dam Safety Permit from Division of Surface Water listed (Stream Construction Permit), Permit No. 26395P	2021	\$10(A)
3.	EB020298 East Bend SW/PW Reroute; and	Bottom Ash, misc., CCR runoff	CCR/ELG KY groundwater regulations	East Bend	EPA CCR and ELG Final Rules, KPDES	KDWM, Permit number SW00800006, KDEP Division of Surface Water, KPDES Permit #0040444	2020	\$30 (A)
4.	ARO for Pond Closure;	Bottom Ash	CCR/ELG, KY Ground water regulations	East Bend	EPA CCR and ELG Final Rules and KPDES	KDEP Division of Waste Management concurrence for clean closure.	2021	\$28 (A)
5.	EB021281 East Bend Landfill Cell 2;	Bottom Ash, FGD, Fly Ash	CCR/KY CCR regulations	East Bend	EPA CCR and ELG Final Rules and KPDES, KY CCR Regulations	KDWM, Permit number SW00800006, KDEP	2020	\$17 (A)
6.	ARO for East Landfill Closure;	East Landfill Closure	CCR, KY groundwater regulations applicable to coal combustion	East Bend	EPA CCR Final Rules and KY CCR Regulations	KDWM, Permit number SW00800006, KDEP	2023	\$16 (A)
7.	ARO for West Landfill Ongoing Maintenance;	West Landfill Routine Maintenance, Groundwater and Well Monitoring Costs	CCR, KY groundwater regulations	East Bend			Ongoing	N/A

¹ Permits filed with Commission in Case No. 2016-00398

8.	Limestone Conversion;	SO ₂ , mercury	CSAPR, MATS	East Bend	CSAPR, MATS	East Bend Title V Permit V-12-023, Minor Permit Revision filed July 17, 2024	2026	\$125.8 (E)
9.	Consumables (EAs Reagents, etc.)	SO ₂ , NO _x , CO ₂	CSAPR	East Bend	CSAPR	Est Bend Title V Permit V-12-023	Ongoing	N/A

Duke Energy Kentucky, Inc.
Environmental Compliance Plan

<u>Project #</u>	<u>Project Description</u>	<u>Air Pollutant or Waste/Byproduct to be controlled</u>	<u>Control Facility</u>	<u>Generating Station</u>	<u>Estimated Annual O&M</u>			
					<u>2026</u>	<u>2027</u>	<u>2028</u>	<u>2029</u>
1.	EB020290 Lined Retention Basin West	Bottom Ash	CCR/ELG	East Bend	\$0 (E)	\$0 (E)	\$0 (E)	\$0 (E)
2.	EB020745 Lined Retention Basin East	Bottom Ash	CCR/ELG	East Bend	\$0 (E)	\$0 (E)	\$0 (E)	\$0 (E)
3.	EB020298 East Bend SW/PW Reroute	Bottom Ash, misc., CCR runoff	CCR/ELG KY groundwater regulations	East Bend	\$0 (E)	\$0 (E)	\$0 (E)	\$0 (E)
4.	ARO for Pond Closure	Bottom Ash	CCR/ELG, KY Ground water regulations	East Bend	\$0.1 (E)*	\$0.1 (E)*	\$0.1 (E)*	\$0.1 (E)*
5.	EB021281 East Bend Landfill Cell 2	Bottom Ash, FGD, Fly Ash	CCR/ELG/KY CCR regulations	East Bend	\$0 (E)	\$0 (E)	\$0 (E)	\$0 (E)
6.	ARO for East Landfill Closure; and	East Landfill Closure	CCRKY Coal Combustion Residuals	East Bend	\$0.5 (E)	\$0.4 (E) **	\$0.4 (E) **	\$0.4 (E) **
7.	ARO for West Landfill Ongoing Maintenance; and,	West Landfill Routine Maintenance, Groundwater and Well Monitoring Costs	CCR, KY groundwater regulations	East Bend	\$4.4 (E)	\$4.2 (E)	\$4.3 (E)	\$4.2 (E)
8.	Limestone Conversion	SO ₂ , mercury	CSAPR, MATS	East Bend	\$0 (E)	\$0 (E)	\$0 (E)	\$0 (E)
9.	Consumables (Emission Allowances, Reagents, etc.)	SO ₂ , NO _x , CO ₂	CAIR	East Bend	\$26 (E)	\$9 (E)	\$8 (E)	\$9 (E)

*O&M estimates represent post-closure maintenance costs related to all four bottom ash projects listed above: EB020290, EB020745, EB020298 and the ARO for Pond Closure.

** O&M estimates represent post-closure maintenance costs related to the East Landfill closure.

*** O&M estimates represent on-going maintenance costs related to the Ash Maintenance, Groundwater, and Wells.