



AGA Voluntary Sustainability Metrics: Quantitative Information - October 2018 Version

Disclaimer: All information below is being provided on a voluntary basis, and as such, companies may elect to include or exclude any of the topics outlined below and customize the template to their specific needs. The decision to include data for historical and future years is at the discretion of each company and the specific years (e.g., historical baseline) should be chosen as appropriate for each company.
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Parent Company: Consolidated Edison, Inc.
Operating Company(s): Consolidated Edison Company of New York (CECONY), Orange & Rockland Utilities (O&R), Con Edison Clean Energy Businesses (CEBs), Con Edison Transmission (CET)
Business Type(s): Energy and Utilities Holding Company
State(s) of Operation: Primarily New York and New Jersey through its Utilities' operations
Regulatory Environment: Both regulated and deregulated
Note: Data from from operating companies i:
Report Date: 5/16/2019

Ref. No.	Refer to the "Definitions" column for more information on each metric.	Year	Definitions	Comments, Additional Information
		2018		
NATURAL GAS DISTRIBUTION				
1	METHANE EMISSIONS AND MITIGATION FROM DISTRIBUTION MAINS			
1.1	Number of Gas Distribution Customers	375,898		
1.2	Distribution Mains in Service		<i>These metrics should include all local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.</i>	
1.2.1	Plastic (miles)	2,126		
1.2.2	Cathodically Protected Steel - Bare & Coated (miles)	317		
1.2.3	Unprotected Steel - Bare & Coated (miles)	923		
1.2.4	Cast Iron / Wrought Iron - without upgrades (miles)	1,003		
1.3	Plan/Commitment to Replace / Upgrade Remaining Miles of Distribution Mains (# years to complete)	20	These metrics should provide the number of years remaining to take out of service, replace or upgrade cathodically unprotected steel mains, and cast iron/wrought iron mains, consistent with applicable state utility commission authorizations.	Use this comment area to briefly note the amount of such pipe already taken out of service, replaced or upgraded previously, if available in publicly reported sources. Space is provided in Section 3 of the Qualitative tab for longer explanations about answers to quantitative questions.
1.3.1	Unprotected Steel (Bare & Coated) (# years to complete)	20	Optional: # yrs by pipe type.	
1.3.2	Cast Iron / Wrought Iron (# years to complete)	20	Optional: # yrs by pipe type.	
2	Distribution CO2e Fugitive Emissions			
2.1	CO2e Fugitive Methane Emissions from Gas Distribution Operations (metric tons)	228,684	<i>Fugitive methane emissions (not CO2 combustion emissions) stated as CO2e, as reported to EPA under 40 CFR 98, Subpart W, sections 98.236(q)(3)(ix)(C) and (D), 98.236(r)(1)(iv) and (v), and 98.236(r)(2)(v)(A) and (B). This metric should include fugitive methane emissions above the reporting threshold for all natural gas local distribution companies (LDCs) held by the Parent Company that are above the LDC Facility reporting threshold for EPA's 40 C.F.R. 98, Subpart W reporting rule.</i>	Use this space to provide brief explanations or additional information. Some companies with distribution operations in several states may wish to explain if some of their smaller or more rural LDCs are not included because their emissions fall below the Subpart W reporting threshold.



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2.2	Natural Gas Throughput from Gas Distribution Operations in thousands of scf	370,222,961	This metric provides gas distribution throughput reported under Subpart W, 40 C.F.R. 98.236(aa)(9)(i) through (iii), as reported on the Subpart W e-GRRT integrated reporting form in the "Facility Overview" worksheet Excel form, gas received (column 1) plus the gas withdrawn (column 2) minus the gas injected into storage (column 3). See screenshot of e-GRRT report provided in template instructions.	Some companies may wish to also provide their throughput emissions number as reported to EIA. They could do so in this comment space.
2.3	CO2e Fugitive Methane Emissions Rate (metric tons per thousand scf of Throughput)	0.0006	2.1 divided by 2.2	



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NATURAL GAS TRANSMISSION & STORAGE				
1.2	Transmission Pipelines, Blow Down Volumes, and Fugitive Emissions			
1.2.1	Total Miles of Transmission Pipeline Operated by gas utility (miles)			
1.2.2	Volume of Transmission Pipeline Blow Down Emissions - outside storage and compression facilities:		As reported to EPA under 40 CFR 98, Subpart W.	
1.2.2.1	scf natural gas			
1.2.2.3	metric tons CO2e			
1.3	Underground Natural Gas Storage Emissions			
1.3.2	Storage Compressor Station Emissions (metric tons CO2e)		As reported to EPA under 40 CFR 98, Subpart W.	Total station minus wellhead emissions
1.3.3	Storage Facility Wellhead Component Fugitive Emissions (metric tons of CO2e)		Utilizing EPA emissions factors, as reported to EPA under Subpart W, 40 CFR 98.236, on the e-GRRR integrated reporting form, "Equipment Leaks Surveys and Population Counts [98.236 (a, r)]" tab.	
2 CO2e EMISSIONS FOR TRANSMISSION AND STORAGE COMPRESSION				
2.1	CO2e Emissions for Transmission Pipelines (metric tons)			
2.1	CO2e Emissions for Transmission Pipelines (metric tons)		CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C and methane emissions stated as CO2e as reported under Subpart W.	Company is below reporting threshold for this industry segment
2.2	CO2e Emissions for Storage Facilities (metric tons)	12,028	CO2 combustion emissions as reported to EPA under 40 CFR 98, Subpart C and methane emissions stated as CO2e as reported under Subpart W.	Company is below reporting threshold for this industry segment. The value reported is from the facility's emission statement.
3 CONVENTIONAL AIR EMISSIONS FROM TRANSMISSION AND STORAGE COMPRESSION				
3.1	Emissions reported for all permitted sources (minor or major)			
3.1	Emissions reported for all permitted sources (minor or major)		The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.	
3.1.1	NOx (metric tons per year)	21.28		
3.1.2	VOC (metric tons per year)	3.23		



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NATURAL GAS GATHERING & BOOSTING				
1	METHANE EMISSIONS			
1.1	Gathering and Boosting Pipelines, Blow Down Volumes, and Emissions			
1.1.1	Total Miles of Gathering Pipeline Operated by gas utility (miles)			
1.1.2	Volume of Gathering Pipeline Blow Down Emissions (scf)			This metric is collected to support calculations under EPA 40 CFR 98, Subpart W.
1.1.4	Gathering Pipeline Blow-Down Emissions outside storage and compression facilities (metric tons CO2e)			
2	CO2e COMBUSTION EMISSIONS FOR GATHERING & BOOSTING COMPRESSION			
2.1	CO2e Emissions for Gathering & Boosting Compression Stations (metric tons)	1,951		CO2 combustion emissions reported to EPA under 40 CFR 98, Subpart C, as directed in Subpart W, 98.232(k).
3	CONVENTIONAL COMBUSTION EMISSIONS FROM GATHERING & BOOSTING COMPRESSION			
3.1	Emissions reported for all permitted sources (minor or major)			The number of permitted sources for conventional emissions may not be the same number of sources reporting under the EPA GHG reporting rule. Companies may wish to describe which, or how many, sources are included in the conventional pollutants data and whether the CO2e data reported includes all of these sources.
3.1.1	NOx (metric tons per year)	11.73		
3.1.2	VOC (metric tons per year)	0.86		