

Utility Reporting Practices

on behalf of DC OPC

**Climate NOI Reporting Working Group
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Economic and Policy Analysis of Energy, Environment and Equity

Overview

- DC utility current reporting
- Gas and electric reporting practices for other states
- Reporting best practices
- Example reporting practices for Massachusetts
- Other suggested best practices
- Issues for discussion

DC Utility Current Reporting

Washington Gas Light: Utility-Wide

- Operating revenues
- Leaks and percent unaccounted for gas
- Mains and services; excavation damage

Washington Gas Light: DC-Specific

- Emissions of CO₂, methane, nitrous oxide
- Meters by location
- Gas consumption
- CO₂e fugitive emissions from distribution

PEPCO: Utility-Wide

- Emissions of PFC, SF₆

PEPCO: DC-Specific

- Load forecast, substation additions and enhancements, power factors, energy losses
- Fuel mix
- CO₂ and other GHG emissions

Gas Reporting Practices

	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS	KY	LA	MA	MD	ME	MI	MN	MO	MS
Gas Use	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CO ₂ Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X		X	X	X	X	X	X	X
Other GHG Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	X	X	X
Number of Gas Leaks	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Amount of Gas Leaked	X				X																	X				
Upstream Emissions	X				X		X		X			X	X							X	X			X		
	MT	NC	ND	NE	NH	NJ	NM	NV	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY	
Gas Use	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CO ₂ Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X			X		X	X	X	
Other GHG Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X	X	X	
Number of Gas Leaks	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Amount of Gas Leaked																										
Upstream Emissions		X			X	X		X	X				X								X					

Electric Reporting Practices

	AK	AL	AR	AZ	CA	CO	CT	DC	DE	FL	GA	HI	IA	ID	IL	IN	KS	KY	LA	MA	MD	ME	MI	MN	MO	MS
Generation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
CO ₂ Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Other GHG Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Primary Fuel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
Forms of Energy Output	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
ADR Measures	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X
Upstream Emissions					X				X			X								X	X					
	MT	NC	ND	NE	NH	NJ	NM	NV	NY	OH	OK	OR	PA	RI	SC	SD	TN	TX	UT	VA	VT	WA	WI	WV	WY	
Generation	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
CO ₂ Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Other GHG Emissions	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Primary Fuel	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
Forms of Energy Output	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	
ADR Measures	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		X	X	X		
Upstream Emissions		X				X		X																		

Reporting Best Practices

Gas reporting:

- Gas use, CO₂ and other emissions, and the number of gas leaks are reported in almost all states
- 3 states report the amount of leaked gas; and 16 states report upstream emissions

Electric reporting:

- Every state reports on generation, CO₂ and other GHG emissions, primary fuel and type of generator
- All but 3 states report on advanced-demand response measures; and 8 report on upstream emissions



Massachusetts Reporting Requirements

Gas

Who needs to report?	Reporting Agency	Gas Use	CO ₂ Emissions	CH ₄ Emissions	N ₂ O Emissions	SF ₆ Emissions	HFCs	PFCs	Number of Gas Leaks	Amount of Gas Leaked
All facilities regulated under Title V of the federal Clean Air Act	MassDEP		X	X	X	X	X	X		
Gas operators	MassDEP			X					X	
All intrastate gas facilities	MassDPU	X							X	

Electric

Who needs to report?	Reporting Agency	Generation	CO ₂ Emissions	Other GHG Emissions	Primary Fuel	Forms of Energy Output	ADR Measures
Investor owned-electric power companies	MassDOER	X	X	X	X	X	X
Generators	ISO-NE	X				X	
All retail sellers of electricity (utilities, suppliers, municipal electricity)	Mass-DEP	X	X			X	

Other Suggested Best Practices

Both data and modeling results should be:

- Submitted to the PSC and made public in a timely way
- Accompanied by sources, assumptions, methods, and access to models
- DC-specific (not utility-wide)

For pollutants with localized impacts:

- Ward-specific

Issues for Discussion

- Should federal reports be submitted to the DCPSC when filing with EPA and EIA?
- Are any other reports necessary besides federal?
- Should annual reports on greenhouse gas emissions be required?
- What else should be reported to the PSC?
- What else should be reported to customers?

Thanks!

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