Panasonic Corporation

		Companies' approach	
1	Background and purpose of accounting	 According to our estimate, approx. 5% of our emissions are from internal production and logistics, 15% from our suppliers, and 80% from product usage. From this we recognize that it is important to cooperate with our suppliers and logistics partners, rather than just working internally, to reduce GHG emissions from the entirety of our business activities. 	
2	 Utilization of accounting results results disclosed in our sustainability reports and provided to rating agencies and in upon their request. 		
3	Benefits of accounting	The accounting enables us to understand the characteristics of our GHG emission and decide what should be given priority in our emission reduction activities.	
4	Internal system for accounting	Data on amounts of activities are gathered from production sites as well as from procurement (Category 1), logistics (Category 4), and HR (Category 7) divisions and processed under the overall coordination of the environmental division.	

Panasonic Corporation

		Companies' approach	
(5)	Efforts to reduce supply chain emissions	 We have been conducting ECO Value Creation activities together with suppliers since FY 2009. The objective of the activities is to reduce the environmental impact of our products and suppliers' while also strengthening our product appeal and realizing cost rationalization in cooperation with suppliers. The activities started off mainly in Japan, but were launched on a full scale in China and other parts of Asia in FY 2012 and expanded worldwide in FY 2014. The best practices are commended and shared among suppliers as a reference for their future actions. To measure emission reductions during product usage, the difference between the actual current amount of emissions and the amount of emissions that would have been produced in the absence of improvement in energy-saving performance since the base year is calculated as contributions to reducing emissions. In our Green Procurement Standards, we request suppliers to work on the reduction of GHG emissions. 	
6	Issues in supply chain emissions accounting	 The workload required for accounting should be reduced. It is desirable if emission reductions resulting from the use of renewable energy can be reflected in the accounting. 	
7	Other	The emissions under Scope 1, Scope 2, Category 4 (in Japan), and Category 11 have undergone independent verification.	

Panasonic Corporation

Catagony	Accounting methods			
Category	Activity data	Emission factor		
Category 1: Purchased goods and services	Value and quantity of raw materials and materials procured	Emission Factor Database on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain		
Category 2: Capital goods	Amount of capital investment			
Category 3: Fuel and energy related activities not included in Scope 1 or 2	Energy consumption by type			
Category 4: Transportation and delivery (upstream)	Energy consumption in transportation required to be reported periodically under the Act on the Rational Use of Energy			
Category 5: Waste generated in operations	Weight of waste by type			
Category 6: Business travel	Transportation expenses			
Category 7: Employee commuting	Commuting transportation expenses paid			
Category 8: Leased assets (upstream)	Energy consumption in leased assets			
Category 9: Transportation and delivery (downstream)	Weight and distance transported			
Category 10: Processing of sold products	• -	• –		
Category 11: Use of sold products	Power consumption, life cycle, sales volume	Unit values set by Panasonic for each region		
Category 12: End-of-life treatment of sold products	Product weight	Emission Factor Database on Accounting for Greenhouse Gas Emissions Throughout the Supply Chain		
Category 13: Leased assets (downstream)	• –	• –		
Category 14: Franchises	• –	• –		
Category 15: Investments	• –	• –		
Other	• –	• –		

Panasonic Corporation

Accounting results

Supply chain emissions

Category			Emissions in FY 2019 (10,000 tons)
Scope 1		39	
Scope 2	Scope 2		193
	1	Purchased goods and services	1,805
	2	Capital goods	72
	3	Fuel and energy related activities not included in Scope 1 or 2	24
	4	Transportation and delivery (upstream)	86.6
	5	Waste generated in operations	1.6
	6	Business travel	2.2
	7	Employee commuting	3.0
Scope 3	8	Leased assets (upstream)	1.5
	9	Transportation and delivery (downstream)	2.0
	10	Processing of sold products	-
	11	Use of sold products	8,313
	12	End-of-life treatment of sold products	118
	13	Leased assets (downstream)	-
	14	Franchises	-
	15	Investments	-