

OVERVIEW (GPC CHAPTER 4.4, TABLE 4.2, PAGE 41)

NAME OF CITY: Houston, USA
 LEVEL: BASIC
 INVENTORY YEAR: 2014

POPULATION: 2,239,558
 LAND AREA (km2): 1,553
 GDP (US\$ million): 522,028

GHG Emissions Source (By Sector)		Total GHGs (metric tonnes CO2e)					
		Scope 1	Scope 2	Scope 3	BASIC	BASIC+	BASIC+ S3
STATIONARY ENERGY	Energy use (all emissions except I.4.4)	2,876,173	13,578,513		16,454,686	16,454,686	16,454,686
	Energy generation supplied to the grid (I.4.4)	419,308					
TRANSPORTATION	(all II emissions)	16,140,987			16,140,987	16,140,987	16,140,987
WASTE	Waste generated in the city (III.X.1 and III.X.2)	246,760		571,584	818,344	818,344	818,344
	Waste generated outside city (III.X.3)	482,861					
IPPU	(all IV emissions)						
AFOLU	(all V emissions)						
OTHER SCOPE 3	(all VI emissions)						
TOTAL		20,166,089	13,578,513	571,584	33,414,017	33,414,017	33,414,017

GPC ref No.	GHG Emissions Source (By Sector and Sub-sector)	Total GHGs (metric tonnes CO2e)			
		Scope 1	Scope 2	Scope 3	Total
I	STATIONARY ENERGY				
I.1	Residential buildings	1,120,913	4,301,936	NE	5,422,849
I.2	Commercial and institutional buildings and facilities	548,931	9,276,576	NE	9,825,507
I.3	Manufacturing industries and construction	1,165,759	IE	NE	1,165,759
I.4.1/2/3	Energy industries	IE	IE	NE	
I.4.4	Energy generation supplied to the grid	419,308			
I.5	Agriculture, forestry and fishing activities	IE	IE	NE	
I.6	Non-specified sources	NO	NO	NE	
I.7	Fugitive emissions from mining, processing, storage, and transportation of coal	NO			
I.8	Fugitive emissions from oil and natural gas systems	40,570			40,570
SUB-TOTAL	(city induced framework only)	2,876,173	13,578,513		16,454,686
II	TRANSPORTATION				
II.1	On-road transportation	15,932,882	IE	NE	15,932,882
II.2	Railways	207,451	IE	NE	207,451
II.3	Waterborne navigation	NO	NO	NE	
II.4	Aviation	654	NO	NE	654
II.5	Off-road transportation	NO	NO	NE	
SUB-TOTAL	(city induced framework only)	16,140,987			16,140,987
III	WASTE				
III.1.1/2	Solid waste generated in the city	29,416		531,060	560,475
III.2.1/2	Biological waste generated in the city	NO		40,524	40,524
III.3.1/2	Incinerated and burned waste generated in the city	NO		NO	
III.4.1/2	Wastewater generated in the city	217,344		NO	217,344
III.1.3	Solid waste generated outside the city	482,861			
III.2.3	Biological waste generated outside the city	NO			
III.3.3	Incinerated and burned waste generated outside city	NO			
III.4.3	Wastewater generated outside the city	NO			
SUB-TOTAL	(city induced framework only)	246,760		571,584	818,344
IV	INDUSTRIAL PROCESSES and PRODUCT USES				
IV.1	Emissions from industrial processes occurring in the city boundary		NE		
IV.2	Emissions from product use occurring within the city boundary		NE		
SUB-TOTAL	(city induced framework only)				
V	AGRICULTURE, FORESTRY and OTHER LAND USE				
V.1	Emissions from livestock		NE		
V.2	Emissions from land		NE		
V.3	Emissions from aggregate sources and non-CO2 emission sources on land		NE		
SUB-TOTAL	(city induced framework only)				
VI	OTHER SCOPE 3				
VI.1	Other Scope 3			NE	
TOTAL	(city induced framework only)	19,263,921	13,578,513	571,584	33,414,017