

# Supporting Information

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## **Estimates of embodied global energy and air-emission intensities of Japanese products for building a Japanese Input-Output Life Cycle Assessment database with a global system boundary**

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## Methods and data

### Intensities of embodied global environmental burden with a global link input–output model

The global link input-output (GLIO) model accounting framework specifically addressing the Japanese economy, as summarized in Table S2, allows us to define a detailed sectoral classification of Japanese commodities and describe the global supply chain associated with the Japanese economy. This framework is a partial simplification of the multiregional input-output model (MRIO) structure and is designed to reduce the time and labor costs of data compilation. Addressing the supply-demand equilibrium of Japanese commodities  $i_1$  and  $i_2$  and the supply-demand equilibrium in overseas country  $p$  and expressing each in algebraic terms using the matrices and vectors in Table S2 yields Eq. (S1).

$$\begin{pmatrix} \mathbf{x}^{JD} \\ \mathbf{x}^{JI} \\ \mathbf{x}^G \end{pmatrix} = \begin{pmatrix} \mathbf{X}^I & 0 & \mathbf{X}^{III} \\ 0 & 0 & 0 \\ \sum_{k=1}^l \mathbf{Y}^{I(k)} & \sum_{k=1}^l \mathbf{Y}^{II(k)} & \sum_{k=1}^l \mathbf{Y}^{III(k)} \end{pmatrix} \begin{pmatrix} \mathbf{i}^{JD} \\ \mathbf{i}^{JI} \\ \mathbf{i}^G \end{pmatrix} + \begin{pmatrix} \mathbf{f}^{JD} \\ \mathbf{f}^{JI} \\ \mathbf{f}^G \end{pmatrix} \quad (\text{S1})$$

Here,  $\mathbf{i}^{JD} = [n^{JD} \times 1]$ ,  $\mathbf{i}^{JI} = [n^{JI} \times 1]$  and  $\mathbf{i}^G = [n^G \times 1]$  are vectors of which all elements are unity.  $n^{JD}$ ,  $n^{JI}$  and  $n^G$  respectively represent the total number of Japanese domestic commodities, imported commodities serving Japanese final demand, and foreign countries and regions defined in the model.  $k$  denotes the foreign commodity types traded ( $k = 1 \dots l$ )

From here we can, for instance, estimate the embodied global GHG intensity of a given Japanese domestic commodity by converting Eq. (S1) as follows. To obtain the domestic and overseas GHG emissions induced by the domestic production of a Japanese commodity, we first convert exports from overseas sectors to Japan ( $\mathbf{Y}^{I(k)}$  and  $\mathbf{Y}^{II(k)}$ ) and trade among overseas sectors ( $\mathbf{Y}^{III(k)}$ ) to the amounts of GHG emissions embedded in the export or trade of commodity  $k$  ( $\tilde{\mathbf{Y}}^{I(k)}$ ,  $\tilde{\mathbf{Y}}^{II(k)}$  and  $\tilde{\mathbf{Y}}^{III(k)}$ ). These embedded emissions signify the amount of GHG emissions generated domestically within the exporting country for the production of foreign commodities. Similarly, the final demand  $\mathbf{f}^G$  in the overseas sectors is expressed as

the amount of embodied domestic emissions,  $\tilde{\mathbf{f}}^G$ , generated directly and indirectly within country  $p$  by  $\mathbf{f}^G$ . In other words, the conversion procedures presented above consider all GHG emissions within country  $p$  as being attributable to final demand for exports and domestic products in the country. Consequently, the diagonal element of  $\tilde{\mathbf{Y}}^{\text{III}(k)}$  that denotes the embedded emissions attributed to intermediate input of domestic commodities in foreign countries can be defined as zero.

Next, using the converted matrices and vectors we can formulate Eq. (S2), which expresses the material balance of GHG emissions for each foreign country. Here,  $\tilde{\mathbf{x}}^G$  represents the total emissions arising in country  $p$  as a result of all production and consumption.

$$\begin{pmatrix} \mathbf{x}^{JD} \\ \mathbf{x}^{JI} \\ \tilde{\mathbf{x}}^G \end{pmatrix} = \begin{pmatrix} \mathbf{X}^I & 0 & \mathbf{X}^{\text{III}} \\ 0 & 0 & 0 \\ \sum_{k=1}^l \tilde{\mathbf{Y}}^{\text{I}(k)} & \sum_{k=1}^l \tilde{\mathbf{Y}}^{\text{II}(k)} & \sum_{k=1}^l \tilde{\mathbf{Y}}^{\text{III}(k)} \end{pmatrix} \begin{pmatrix} \mathbf{i}^{JD} \\ \mathbf{i}^{JI} \\ \mathbf{i}^G \end{pmatrix} + \begin{pmatrix} \mathbf{f}^{JD} \\ \mathbf{f}^{JI} \\ \tilde{\mathbf{f}}^G \end{pmatrix} \quad (\text{S2})$$

Assuming that intermediate input and total output are directly proportional, regardless of whether one or both are converted to embedded emissions, the input coefficient matrices can be established as follows:

$$\mathbf{A}_{11} = \mathbf{X}^I (\hat{\mathbf{x}}^{JD})^{-1}, \tilde{\mathbf{A}}_{13} = \mathbf{X}^{\text{III}} (\hat{\mathbf{x}}^G)^{-1}, \tilde{\mathbf{A}}_{31}^{(k)} = \tilde{\mathbf{Y}}^{\text{I}(k)} (\hat{\mathbf{x}}^{JD})^{-1}, \tilde{\mathbf{A}}_{32}^{(k)} = \tilde{\mathbf{Y}}^{\text{II}(k)} (\hat{\mathbf{x}}^{JI})^{-1} \text{ and}$$

$$\tilde{\mathbf{A}}_{33}^{(k)} = \tilde{\mathbf{Y}}^{\text{III}(k)} (\hat{\mathbf{x}}^G)^{-1}. \text{ Here, a vector with the symbol } \hat{\ } \text{ indicates the diagonal matrix of the vector. We can}$$

then reformulate Eq. (S2) using these matrices to yield a final demand vector  $\mathbf{i}^{JD(i=\alpha)}$  with an element of unity solely for Japanese commodity  $i_1 = \alpha$  and an element of zero for other commodities. Using the

column vector  $\mathbf{d}^{JD}$ , the elements of which indicate the direct GHG emissions per unit production of the

Japanese commodities, we can obtain vectors  $\mathbf{e}^{JD(i=\alpha)} = \left( e_{j_1}^{JD(i=\alpha)} \right)$  and  $\mathbf{e}^{G(i=\alpha)} = \left( e_p^{G(i=\alpha)} \right)$  using Eq.

(S3). Elements  $e_{j_1}^{JD(i=\alpha)}$  and  $e_p^{G(i=\alpha)}$  represent the emission of sector  $j_1$  in Japan and that induced in

foreign country  $p$  by Japanese commodity  $i_1 = \alpha$ . Hence, Eq. (S4), summing these elements, yields the

embodied global GHG intensity of commodity  $e^{(i=\alpha)}$ , indicating the global GHG emissions induced by

unit production (M-JPY) of commodity  $\alpha$  in Japan. Here,  $\mathbf{I}$  is the identity matrix.

$$\begin{pmatrix} \mathbf{e}^{JD(i=\alpha)} \\ 0 \\ \mathbf{e}^{G(i=\alpha)} \end{pmatrix} = \begin{pmatrix} \mathbf{d}^{JD} \\ 0 \\ \mathbf{i}^G \end{pmatrix} \left\{ \mathbf{I} - \begin{pmatrix} \mathbf{A}_{11} & 0 & \tilde{\mathbf{A}}_{13} \\ 0 & 0 & 0 \\ \sum_{k=1}^l \tilde{\mathbf{A}}_{31}^{(k)} & \sum_{k=1}^l \tilde{\mathbf{A}}_{32}^{(k)} & \sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)} \end{pmatrix} \right\}^{-1} \begin{pmatrix} \mathbf{i}^{JD(i=\alpha)} \\ 0 \\ 0 \end{pmatrix} \quad (\text{S3})$$

$$e^{(i=\alpha)} = \sum_{j_1=1}^{n^{JD}} e_{j_1}^{JD(i=\alpha)} + \sum_{p=1}^{n^G} e_p^{G(i=\alpha)} \quad (\text{S4})$$

## Uncertainties in intensities of embodied global environmental burden attributable to the model structure

### *Factors giving rise to uncertainty*

The GLIO is designed to reduce the time and labor burdens of LCI data compilation with a global system boundary by using aggregated multiregional input-output structures for countries other than Japan, the economy of which is the specific focus here. However, this aggregated description affects the robustness of the embodied environmental burden intensities derived using GLIO. By means of Monte Carlo simulation we therefore estimated the uncertainties in the embodied environmental intensities resulting from that description. Taking the case of total GHG emissions as an example, we proceeded as follows.

In the above simplified multiregional input–output structure, each column of the matrices  $\tilde{\mathbf{A}}_{13}$  and

$\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$  in Eq. (S3) represents a country’s overall import structure, which means the matrices do not differentiate among the import structures of the various commodities produced in that country. In concrete terms,  $\tilde{a}_{i_1,q}$ , an element of  $\tilde{\mathbf{A}}_{13}$ , represents the import of Japanese commodity  $i_1$  (on a monetary basis) for unit output of country  $q$ , while  $\tilde{a}_{pq}$ , an element of  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$ , denotes the total import of embodied GHG generated in country  $p$  for unit output of country  $q$ . Here, the unit output is expressed as a unit direct GHG emission of the overseas country. Because in reality the import structure of country  $q$  varies among

types of output or commodities, this study assumes that the elements of matrices  $\tilde{\mathbf{A}}_{13}$  and  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$  include any uncertainties.

Accordingly, this study defined matrices  $\Phi_{13} = [\phi_{iq}]$  and  $\Phi_{33} = [\phi_{pq}]$  comprising the potential deviation of each element as the uncertainty in  $\tilde{\mathbf{A}}_{13}$  and  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$ , respectively, and calculated  $\Delta\tilde{\mathbf{A}}_{13}$  and  $\Delta\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$  according to Eq. (S5) and (S6). Here,  $\Phi_{13}$  and  $\Phi_{33}$  are matrices of the same size as  $\tilde{\mathbf{A}}_{13}$  and  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$ , respectively, and  $\otimes$  is the Hadamard product representing the operator of element-wise multiplication. The results,  $\Delta\tilde{\mathbf{A}}_{13}$  and  $\Delta\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$ , were substituted for  $\tilde{\mathbf{A}}_{13}$  and  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$ , respectively, in Eq. (S3) to calculate the embodied global GHG intensities in Eq. (S4).

Matrices  $\Phi_{13}$  and  $\Phi_{33}$  were generated through Monte Carlo simulation. The uncertainty in each of the embodied global GHG intensities was estimated using the embodied global GHG intensities obtained in each simulation.

$$\Delta\tilde{\mathbf{A}}_{13} = \tilde{\mathbf{A}}_{13} \otimes \Phi_{13} \quad (\text{S5})$$

$$\Delta\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)} = \left( \sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)} \right) \otimes \Phi_{33} \quad (\text{S6})$$

### *Specification of matrices $\Phi_{13}$ and $\Phi_{33}$*

Matrices  $\tilde{\mathbf{A}}_{13}$  and  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$  combine all the products of country  $q$  into a single metric. The input coefficient of country  $q$  is thus expressed in one column, as a single product type. In more everyday terms, this can be understood as being the average of the input coefficients (defined in multiple columns), which vary according to the type of product. The elements  $\phi_{iq}$  and  $\phi_{pq}$  of matrices  $\Phi_{13}$  and  $\Phi_{33}$ , respectively, are coefficients indicating how uncertain the average input coefficient is, i.e. the potential

deviation from the average. This study specified the values that can be taken by  $\phi_{i_1,q}$  and  $\phi_{pq}$  for each commodity  $i_1$  and country  $p$  and randomly selected  $\phi_{i_1,q}$  and  $\phi_{pq}$  from among such values to develop matrices  $\Phi_{13}$  and  $\Phi_{33}$  and then calculate  $\Delta\tilde{\mathbf{A}}_{13}$  and  $\Delta\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$ .

The issue of concern here is how to specify the values available for each  $\phi_{i_1,q}$  and  $\phi_{pq}$ . It is by no means certain that  $\phi_{i_1,q}$  and  $\phi_{pq}$  conform to a well-known probability distribution like a normal distribution. In this study we therefore made the empirical distribution of  $\phi_{i_1,q}$  and  $\phi_{pq}$  for each commodity  $i_1$  and country  $p$  based on the following assumptions. First, each country in  $\tilde{\mathbf{A}}_{13}$  and  $\sum_{k=1}^l \tilde{\mathbf{A}}_{33}^{(k)}$  was assumed to produce the  $k$  ( $= 1 \dots 111$ ) types of commodities identified in the model employed in this study. Then, under the assumption that country  $p$  produces commodity  $k$  only, we next estimated for each of the input coefficients of commodity  $i_1$  from country  $p$  the relative increase or decrease from the average.

As an example of the results thus estimated, Figure S1 shows the empirical distribution of coefficient  $\phi_{p=97}^{(k)}$ , indicating by how many times the input coefficient from country  $p=97$  (United States: USA) to country  $q$  is multiplied if country  $p$  produces commodity  $k$  only. The horizontal axis depicts the type of commodity  $k$  produced in country  $q$ , while the vertical axis shows the value of  $\phi_{p=97}^{(k)}$ . The simple average of  $\phi_{p=97}^{(k)}$  from  $k=1$  to 111 is 1. The Monte Carlo simulation generates pseudorandom numbers, integers between 1 and 111, which correspond to commodity  $k$  for each country  $q$  and which use the corresponding  $\phi_{p=97}^{(k)}$  from Figure S1 and substitute it for  $\phi_{p=97,q}$  in matrix  $\Phi_{33}$ . Empirical distributions  $\phi_p^{(k)}$  and  $\phi_{i_1}^{(k)}$  equivalent to Figure S1 are made for other countries  $p$  and commodities  $i_1$ , respectively. Values corresponding to countries  $q$ , for which pseudorandom number  $k$  was selected, are taken from the empirical distributions and substituted for  $\phi_{i_1,q} = \phi_{i_1}^{(k)}$  and  $\phi_{pq} = \phi_p^{(k)}$  to define matrices  $\Phi_{13}$  and  $\Phi_{33}$ . In other words, specifying commodity  $k$  produced based on the pseudorandom number for country  $q$  determines all

values of  $\phi_{i,q}$  and  $\phi_{pq}$ .

*Estimate of empirical distributions of elements  $\phi_i^{(k)}$  and  $\phi_p^{(k)}$*

This study estimated the empirical distributions of  $\phi_i^{(k)}$  and  $\phi_p^{(k)}$ , as defined above, by referring to the input structure of Japan's domestic product sectors  $j_1$ . First, the domestic product sectors ( $j_1 = 1 \dots 406$ ) and the commodity categories  $k$  ( $= 1 \dots 111$ ) of overseas sectors were matched up. Then, the input  $\bar{\phi}_i^{(k)}$  [M-JPY/tCO<sub>2</sub>] of Japanese product sectors  $i_1$  used per unit of direct GHG emissions from production of commodity  $k$  was calculated as indicated in Eq. (S7). In other words,  $\bar{\phi}_i^{(k)}$  is the element of the matrix obtained by dividing the matrix of which the row sectors of  $\mathbf{A}_{11} = [a_{i_1 j_1}]$  are aggregated into sector category  $k$  by the vector of which the elements are the product of the output  $x_{j_1}^{JD}$  aggregated into sector category  $k$  and the direct emissions  $d_{j_1}$  similarly aggregated into sector category  $k$ . Therefore,  $\bar{\phi}_i^{(k)}$  is based conceptually on the same calculation method as the input coefficient of  $\tilde{\mathbf{A}}_{13}$  and has the same unit. Subsequently, the average of  $\phi_i^{(k)}$  was converted to 1 using Eq. (S8), leading to specification of  $\phi_i^{(k)}$  as shown.

$$\bar{\phi}_i^{(k)} = \frac{\sum_{j_1 \in k} a_{i_1 j_1} x_{j_1}^{JD}}{\sum_{j_1 \in k} d_{j_1} x_{j_1}^{JD}} \quad (\text{S7})$$

$$\phi_i^{(k)} = \frac{\bar{\phi}_i^{(k)}}{\sum_{k=1}^l \bar{\phi}_i^{(k)} / l} \quad (\text{S8})$$

Based on the same idea, the input  $\bar{\phi}_p^{(k)}$  [tCO<sub>2</sub>eq/tCO<sub>2</sub>eq] from overseas sector  $p$  required per unit of direct GHG emissions associated with commodity  $k$  was calculated according to Eq. (S9). The input amount from overseas sector  $p$  was set on the basis of the GHG emissions embodied in the input goods to make it conceptually equivalent to the input coefficient of  $\tilde{\mathbf{A}}_{33}$ . This was followed by calculation of  $\phi_p^{(k)}$  by

converting the average of  $\bar{\phi}_p^{(k)}$  to 1 using Eq. (S10). Figure S1 presents the graph produced by plotting

$\phi_{p=97}^{(k)}$  for  $p=97$  (USA) against  $\phi_p^{(k)}$ .

$$\bar{\phi}_p^{(k)} = \frac{\sum_{j_i \in k} \tilde{a}_{p,j_i} x_{j_i}^{JD}}{\sum_{j_i \in k} d_{j_i} x_{j_i}^{JD}} \quad (\text{S9})$$

$$\phi_p^{(k)} = \frac{\bar{\phi}_p^{(k)}}{\sum_{k=1}^l \bar{\phi}_p^{(k)} / l} \quad (\text{S10})$$

### *The coefficient of variation of embodied environmental burden intensity*

Using a Monte Carlo simulation, we prepared  $10^5$  variants of matrices  $\Phi_{13}$  and  $\Phi_{33}$  and inserted these into Eqs. (S3) and (S4) to create a sample of embodied global GHG intensities  $e_{mc}^{(i=\alpha)}$  ( $mc = 1 \dots 10^5$ ) to calculate the uncertainty in each sector. Subsequently, using  $e^{(i=\alpha)}$  obtained from Eqs. (S3) and (S4) with all elements of  $\Phi_{13}$  and  $\Phi_{33}$  set equal to unity, the deviation of each sample (mc) from  $e^{(i=\alpha)}$  was calculated as  $\left| \log \left( e_{mc}^{(i=\alpha)} / e^{(i=\alpha)} \right) \right|$ . The deviation was then calculated for all sectors  $i_1$  in each simulation and the maximum deviation defined as the representative deviation  $\Delta_{mc} = \max \left( \left| \log \left( e_{mc}^{(i_1)} / e^{(i_1)} \right) \right| \right)$  of the simulation (mc). Then, the values of  $\Delta_{mc}$  were ranked in order from the largest down, thereby excluding the sample  $e_{mc}^{(i=\alpha)}$  corresponding to the simulation numbers (mc = *Trimmed*) equivalent to the largest 5% of all  $\Delta_{mc}$  from the calculation of the standard deviation  $\sigma^{(i=\alpha)}$  of  $e^{(i=\alpha)}$ . The coefficient of variation  $\nu\mathcal{C}^{(i=\alpha)}$  (%) was calculated by dividing  $\sigma^{(i=\alpha)}$  by  $e^{(i=\alpha)}$ , as shown in Eq. (S11). This study used  $\nu\mathcal{C}^{(i=\alpha)}$  as an indicator of uncertainty in the embodied global GHG intensities.



$$vc^{(i=\alpha)} = \frac{\sigma^{(i=\alpha)}}{e^{(i=\alpha)}} \times 100 = \frac{\sqrt{\frac{\sum_{mc \notin Trimmed} (e_{mc}^{(i=\alpha)} - e^{(i=\alpha)})^2}{(1-0.05) \times 10^5}}}{e^{(i=\alpha)}} \times 100 \quad (S11)$$

## The sectors with the most characteristic embodied global GHG intensities

This paper identified the sectors with the most characteristic embodied global GHG intensities as follows.

### *Sectors with the highest embodied global GHG intensity*

The sectors with the highest embodied global GHG intensity were identified by comparing  $e^{(i=\alpha)}$ .

### *Sectors with the highest percentage share of induced emissions in foreign countries*

The share of overseas emissions in the embodied global GHG intensity was calculated in the form of

$$\sum_{p=1}^{n^G} e_p^{G(i=\alpha)} / e^{(i=\alpha)}.$$

### *Sectors with the greatest difference from the embodied GHG intensities under the domestic technology assumption (DTA)*

An embodied GHG intensity  $e_{DTA}^{(i=\alpha)}$  based on an input–output analysis under the domestic technology assumption (DTA) means that the GHG emissions associated with imports are assumed to be the same as those of equivalent domestic (Japanese) products. The difference (%) between  $e_{DTA}^{(i=\alpha)}$  and the embodied global GHG intensity  $e^{(i=\alpha)}$  derived in this study was determined as  $(e_{DTA}^{(i=\alpha)} - e^{(i=\alpha)}) / e^{(i=\alpha)} \times 100$ . The embodied GHG intensity  $e_{DTA}^{(i=\alpha)}$  was taken from 3EID [1] for 2005.

### *Sectors with the greatest uncertainty in embodied global GHG intensity*

The embodied global GHG intensities with the greatest uncertainty were identified by comparing the coefficient of variation  $\gamma C^{(i=\alpha)}$  of the embodied global GHG intensities.

## **Overall trends of the structural characteristics of embodied global GHG intensity**

This paper examined overall trends in the characteristic of embodied global GHG intensity as follows.

### *Trend of magnitude of embodied global GHG intensity*

The share (%) of the domestic output (M-JPY/y) of each sector in gross Japanese domestic output (M-JPY/y) was obtained, and the relationship between this share and embodied global GHG intensity was plotted in Figure 2(a) in the main text. The coefficient of correlation between this share and the embodied global GHG intensity was calculated. Spearman's  $\rho$  of the variables was also calculated.

The ratio of value added (M-JPY/M-JPY) in the total output of each sector was obtained, and the relationship between this ratio and embodied global GHG intensity was plotted in Figure 2(b) in the main text. The coefficient of correlation between the value added ratio and the embodied global GHG intensity was determined.

The share (%) of the direct GHG emissions (t-CO<sub>2</sub>eq/y) of each sector in total Japanese GHG emissions (t-CO<sub>2</sub>eq/y) was obtained, and the relationship between this share and embodied global GHG intensity was plotted in Figure 2(c) in the main text. The coefficient of correlation between this share and the embodied global GHG intensity was calculated.

### *Trend of induced foreign GHG emissions in embodied global GHG intensity*

The coefficient of correlation between the direct domestic GHG emissions per unit output of each sector

(t-CO<sub>2</sub>eq/M-JPY),  $d_{i_1}^{JD}$  of vector  $\mathbf{d}^{JD}$  in Eq. (S3), and the embodied global GHG intensity was determined.

The relationship between the direct domestic GHG emission and embodied global GHG intensity was plotted in Figure 2(d) in the main text.

The induced domestic GHG emissions component of the embodied global GHG intensity (t-CO<sub>2</sub>eq/M-JPY)

was calculated as  $\sum_{j_1=1}^{n^{JD}} e_{j_1}^{JD(i_1=\alpha)} - d_{i_1}^{JD}$  and the coefficient of correlation between this value and the induced

foreign GHG emissions component  $\sum_{p=1}^{n^G} e_p^{G(i_1=\alpha)}$  (t-CO<sub>2</sub>eq/M-JPY) was then determined. Spearman's  $\rho$  of

the variables was also calculated. The relationship between the induced domestic GHG emissions and embodied global GHG intensity was plotted in Figure 2(e) in the main text.

### *Trend of difference in embodied global GHG intensity under the domestic technology assumption (DTA)*

Figure 2 (f) in the main text plots the share (%) of foreign emissions in the embodied global GHG intensity,

$\sum_{p=1}^{n^G} e_p^{G(i_1=\alpha)} / e^{(i_1=\alpha)}$ , and the difference between the embodied GHG intensity under the DTA  $e_{DTA}^{(i_1=\alpha)}$  and

the embodied global GHG intensity  $e^{(i_1=\alpha)}$ ,  $(e_{DTA}^{(i_1=\alpha)} - e^{(i_1=\alpha)}) / e^{(i_1=\alpha)}$ . The coefficient of correlation

between the foreign emissions' share  $\sum_{p=1}^{n^G} e_p^{G(i_1=\alpha)} / e^{(i_1=\alpha)}$  and  $\left| (e_{DTA}^{(i_1=\alpha)} - e^{(i_1=\alpha)}) / e^{(i_1=\alpha)} \right|$  was determined.

Spearman's  $\rho$  of the variables was also calculated.

### *Trend of uncertainty in embodied GHG intensity*

The share (%) of induced foreign emissions in the embodied global GHG intensity  $\sum_{p=1}^{n^G} e_p^{G(i_1=\alpha)} / e^{(i_1=\alpha)}$  was

compared with the coefficient of variation  $vc^{(i_1=\alpha)}$ , yielding the coefficient of correlation between the two.

Spearman's  $\rho$  of the variables was also calculated. Figure 2 (g) plots their relationship.

We defined twenty-one broad commodity categories and calculated a weighted average (WA) of the embodied global GHG intensity for each by averaging the embodied global GHG intensities of the constituent sectors using a weighting coefficient based on the total domestic output of each sector. We then assessed the effect of sector aggregation on increase of uncertainties of the embodied global GHG intensities by comparing the weighted average of the category with the maximum and minimum embodied global GHG intensity. Table S1 shows the result.

## **Discussion**

### **Usefulness of the embodied global GHG emission for managing Japanese consumption-based GHG emissions**

The consumption-based GHG emission [2] [3] is a measure of the global emissions caused directly and indirectly by a country's final demand. In our previous paper [4] this emission in 2005 was quantified for Japan in 2005 using the GLIO model, revealing that household consumption is the main component of domestic final demand determining it and citing the importance of managing consumption-based emissions for becoming a “carbon debt-free country”, i.e. attaining at least equality between consumption-based and production-based emissions. At the level of the individual enterprise, in particular, the consumption-based GHG emission is conceptually similar to the notions defined in Scope 3 of the GHG Protocol Initiative [5] and TR 14069 (organizational carbon footprint) [6] as a technical report to complement ISO14064-1. Taking vigorous steps to control consumption-based emissions at the individual level, local government level and corporate level would eventually lead to Japan becoming a “carbon debt-free country”. The embodied global GHG emission intensities provided in the present paper enable these actors to estimate their own consumption-based emissions.

### **Limitations of intensities of embodied global environmental burden based on the GLIO model**

Because the GLIO model is based on the simplified structure of a MRIO model, the consequent uncertainties in the intensities of embodied global environmental burden have been quantitatively analyzed. Additionally, the GLIO model is built on an input–output framework, which in itself has several methodological limitations.

First, the production functions of goods and services are defined as fixed input coefficients. This means emissions grow in proportion to output, so that possible improvements in environmental efficiency will not

be duly reflected, even if these are achieved through mass production. Furthermore, the use of economic and environmental data for 2005 in this study suggests the need, when using goods and services from different years in LCA, to consider whether the production technology, energy consumption and structure of supply chains can be regarded as equivalent to those in 2005.

This model has derived embodied environmental intensities using the detailed sectoral categorization of Japan's input–output table, which is classified into 406 sectors. In reality, each sector comprises multiple products and services. Even if commodities actually use completely different technologies, applying the same embodied environmental burden intensity across the sector results in determination of the environmental burden of each commodity in proportion to its producer price. Particularly when comparing commodities in the same sector, then, it will be necessary to adopt an assessment method that does due justice to significant technological differences, by collecting actual process data and using hybrid LCA.

## **Methodological applicability to other countries**

This study has compiled the intensities of embodied global environmental burden of the goods and services produced in Japan. At present, there is no other LCA database on Japanese commodities that theoretically guarantees a global system boundary for LCI. The embodied global energy and air-emission intensities listed in the SI will therefore be useful for LCA practitioners in many other countries, too, given the fact that in 2007 Japan generated the world's fifth highest GHG emissions and had the largest export value of any country. As an illustration, when a company using Japanese products quantifies the global carbon footprint of its own activities, the embodied global GHG intensities of Japanese export commodities like automobiles, semiconductors and cameras would be very useful for obtaining a rough estimate of the GHG emissions embedded in those products. In addition to including the global GHG emissions associated with upstream economic activities in the carbon footprints of product manufacture, the embodied global GHG intensities could also be used to assess downstream activities like waste treatment [7], recycling [8] and product lifetime extension [9]. For instance, it is possible to estimate the reduction in global GHG emissions due to the recycling of steel, aluminum and copper products in Japan.

This paper has used a GLIO centered on Japan, but the GLIO modeling framework as such can be equally well used in other countries that compile their own input–output table. All this requires, in concrete terms, is replacement of the Japanese input–output table used for this study by the table of the country concerned, simultaneously including Japan in the overseas sector and excluding the country in question from that sector. Therefore, most of the economic and environmental data in this paper can be inserted directly into applications for other countries. Such a GLIO, centered on a different country, permits calculation of the embodied global environmental burden of goods and service produced in that country. As seen in Table S1 in the SI, an embodied global GHG intensity with low sectoral resolution merely captures a single point within the wide range of intensities of the various commodities belonging to the same commodity category. Particularly for countries with an input–output table based on high sectoral resolution, such as the United States or South Korea, the approach presented in the present study can therefore be recommended as a low-cost means of compiling a LCA database with a global system boundary.

**Table S1: Weighted average (WA), minimum (Min.), maximum (Max.) and range (Range) of embodied global GHG emission intensities of sectors included in aggregated sectors, of their share of foreign emissions, and of their coefficient of variation.**

Category code in Fig.1	Sector category name	Embodied global GHG intensities based on producer price				Share of foreign emissions in embodied global GHG intensity				Coefficient of variation of the embodied emission intensity			
		WA	Min.	Max.	Range	WA	Min.	Max.	Range	WA	Min.	Max.	Range
		[t-CO <sub>2</sub> eq/M-JPY]	[t-CO <sub>2</sub> eq/M-JPY]	[t-CO <sub>2</sub> eq/M-JPY]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]	[%]
AG	Agriculture, forestry and fisheries	6.8	0.50	15	7 - 221	23	8.3	70	36 - 304	3.3	0.85	22	26 - 667
MN	Mining	6.5	5.7	9.9	88 - 152	15	7.6	18	51 - 120	2.4	0.79	2.9	33 - 121
FD	Food	4.9	0.89	12	18 - 245	41	13	82	32 - 200	5.0	1.4	16	28 - 320
TX	Textiles	5.4	3.9	9.5	72 - 176	34	21	56	62 - 165	3.7	2.1	6.6	57 - 178
PL	Pulp, paper and wooden products	7.4	2.6	19	35 - 257	21	13	66	62 - 314	2.7	1.4	6.6	52 - 244
CH	Chemical products	8.2	3.0	21	37 - 256	33	12	59	36 - 179	4.2	1.3	10	31 - 238
PT	Petroleum refinery and coal	9.2	4.2	22	46 - 239	66	43	68	65 - 103	15	8.2	16	55 - 107
CR	Ceramic, stone and clay products	19	5.8	138	32 - 726	7.6	2.0	52	26 - 684	1.4	0.26	4.6	19 - 329
ST	Iron and steel	29	9.9	73	34 - 252	15	9.2	46	61 - 307	1.7	0.95	4.4	56 - 259
NF	Non-ferrous metals	8.5	4.0	11	47 - 129	70	43	86	61 - 123	6.6	3.7	8.9	56 - 135
MT	Metal products	6.7	5.5	8.7	82 - 130	32	22	45	69 - 141	3.9	1.9	5.5	49 - 141
GM	General machinery	4.4	3.2	7.2	73 - 164	30	21	44	70 - 147	2.9	1.8	5.1	62 - 176
EM	Electrical machinery	4.2	2.7	5.8	64 - 138	44	34	64	77 - 145	4.3	3.1	6.9	72 - 160
IT	ICT devices	3.4	2.9	3.8	85 - 112	52	43	60	83 - 115	6.0	4.5	7.8	75 - 130
ED	Electrical devices	4.5	4.1	8.7	91 - 193	38	13	49	34 - 129	3.9	1.1	5.5	28 - 141
TM	Transport equipment	4.8	2.9	8.1	60 - 169	32	20	69	63 - 216	3.1	1.7	17	55 - 535
PM	Precision machinery	3.1	2.8	3.7	90 - 119	39	27	48	69 - 123	4.1	2.4	10	59 - 249
OT	Miscellaneous manufacturing products	4.2	2.6	7.1	62 - 169	36	12	67	33 - 186	3.6	2.0	9.3	56 - 258
CS	Construction	4.1	3.0	5.2	73 - 127	26	17	38	65 - 146	2.5	1.6	3.2	64 - 128
EL	Electric power, gas supply and steam, water supply and waste disposal	21	1.5	69	10 - 329	10	3.9	71	39 - 710	2.1	0.42	10	20 - 476
SR	Services	2.0	0.15	27	5 - 1350	25	8.6	48	34 - 192	3.5	1.5	17	43 - 486



**Table S2: Matrices and vectors for the Japanese case study using the global link input-output (GLIO) model. Abbreviations as follows: sc1, sector category (tier 1); sc2, sector category (tier 2); sn, sector number; JP, Japanese sector; OS, overseas sector; FD, final demand of sector; TO, total output of sector; VA, value added of sector; *DC*, domestic commodity; *IC*, imported commodity directly input to Japanese final demand; *FC*, foreign country and region. Superscript *k* denotes the foreign commodity type.**

		sc1	JP		OS	FD	TO
		sc2	<i>DC</i>	<i>IC</i>	<i>FC</i>		
sc1	sc2	sn	$(j_1 = 1...406)$	$(j_2 = 1...406)$	$(q = 1...230)$	[1]	[1]
JP	<i>DC</i>	$(i_1 = 1...406)$	$\mathbf{X}^I$	$\mathbf{0}$	$\mathbf{X}^{III}$	$\mathbf{f}^{JD}$	$\mathbf{x}^{JD}$
	<i>IC</i>	$(i_2 = 1...406)$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{0}$	$\mathbf{f}^{JI}$	$\mathbf{x}^{JI}$
OS	<i>FC</i>	$(p = 1...230)$	$\sum_{k=1}^l \mathbf{Y}^{I(k)}$	$\sum_{k=1}^l \mathbf{Y}^{II(k)}$	$\sum_{k=1}^l \mathbf{Y}^{III(k)}$	$\mathbf{f}^G$	$\mathbf{x}^G$
VA	-	[1]	$\mathbf{v}^{JD}$	$\mathbf{0}$	$\mathbf{v}^G$		
TO	-	[1]	$\mathbf{x}^{JD}$	$\mathbf{x}^{JI}$	$\mathbf{x}^G$		

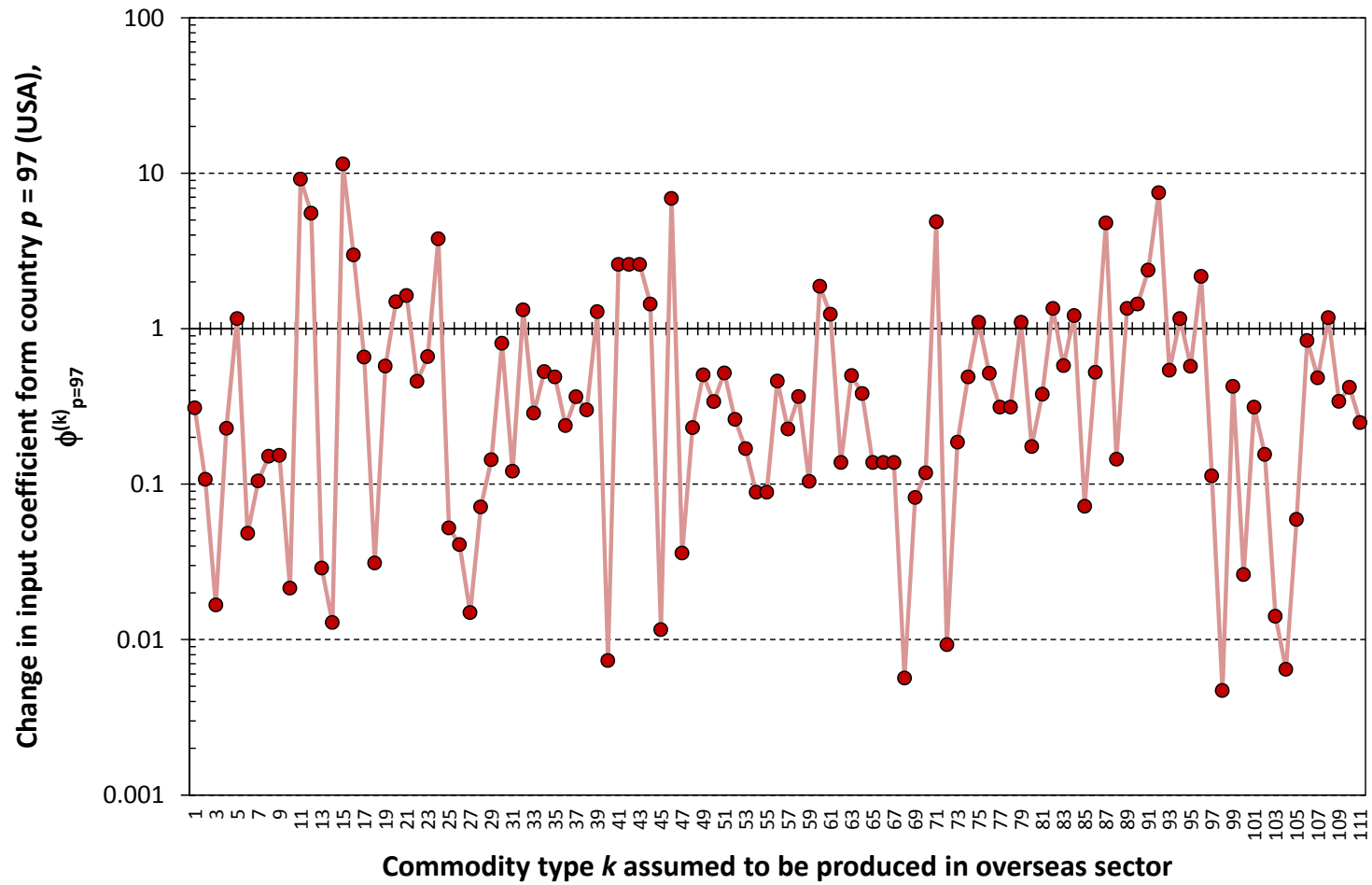
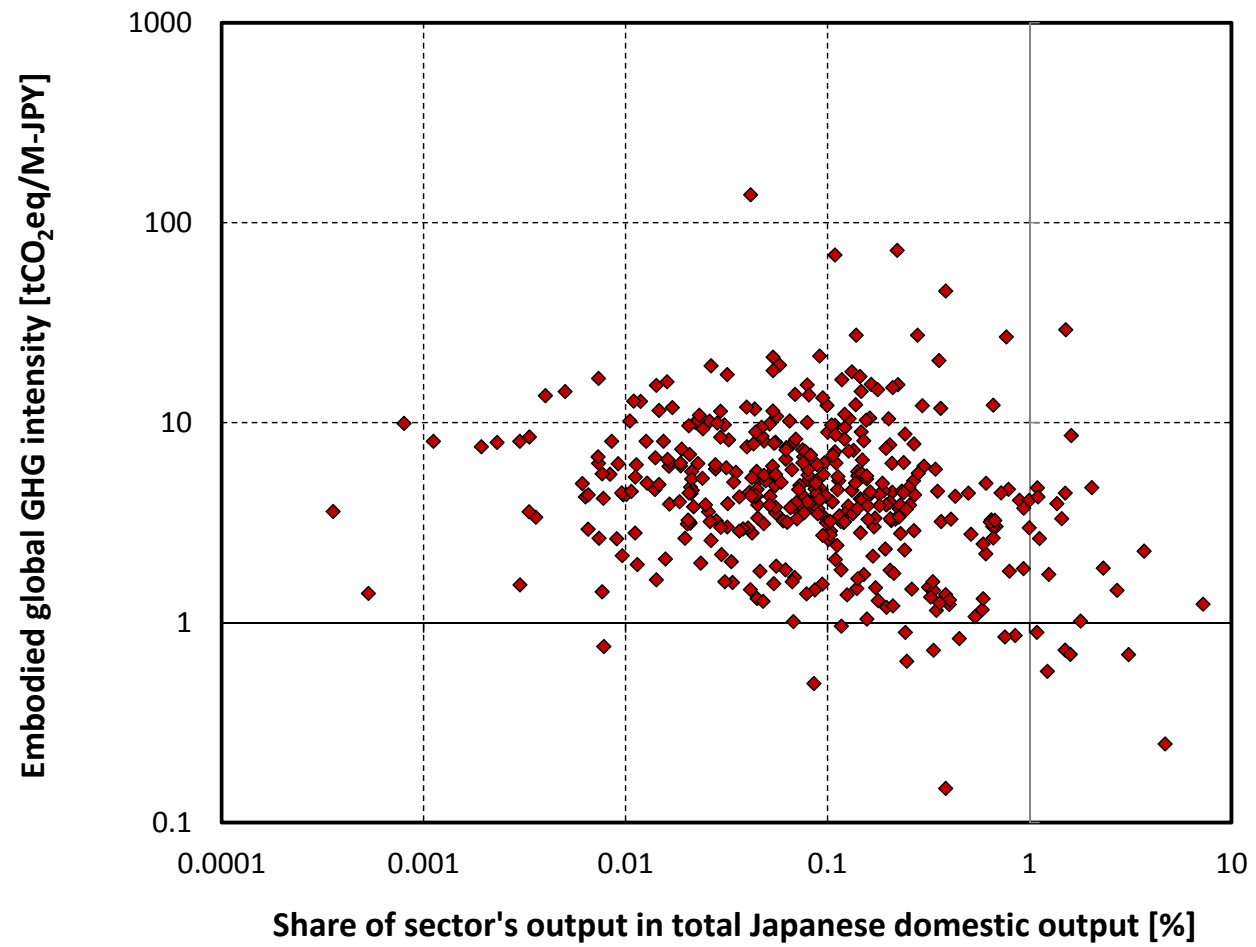
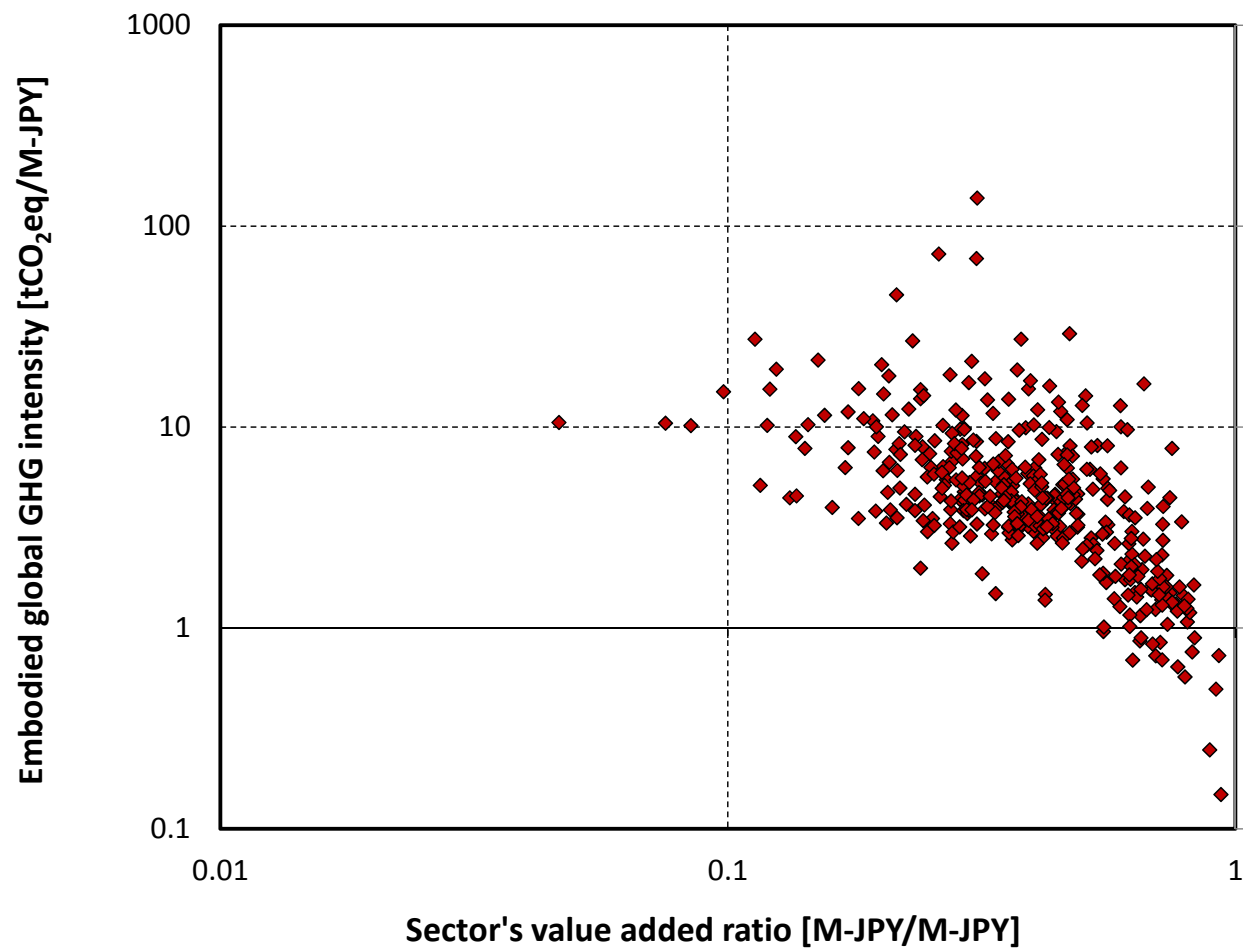


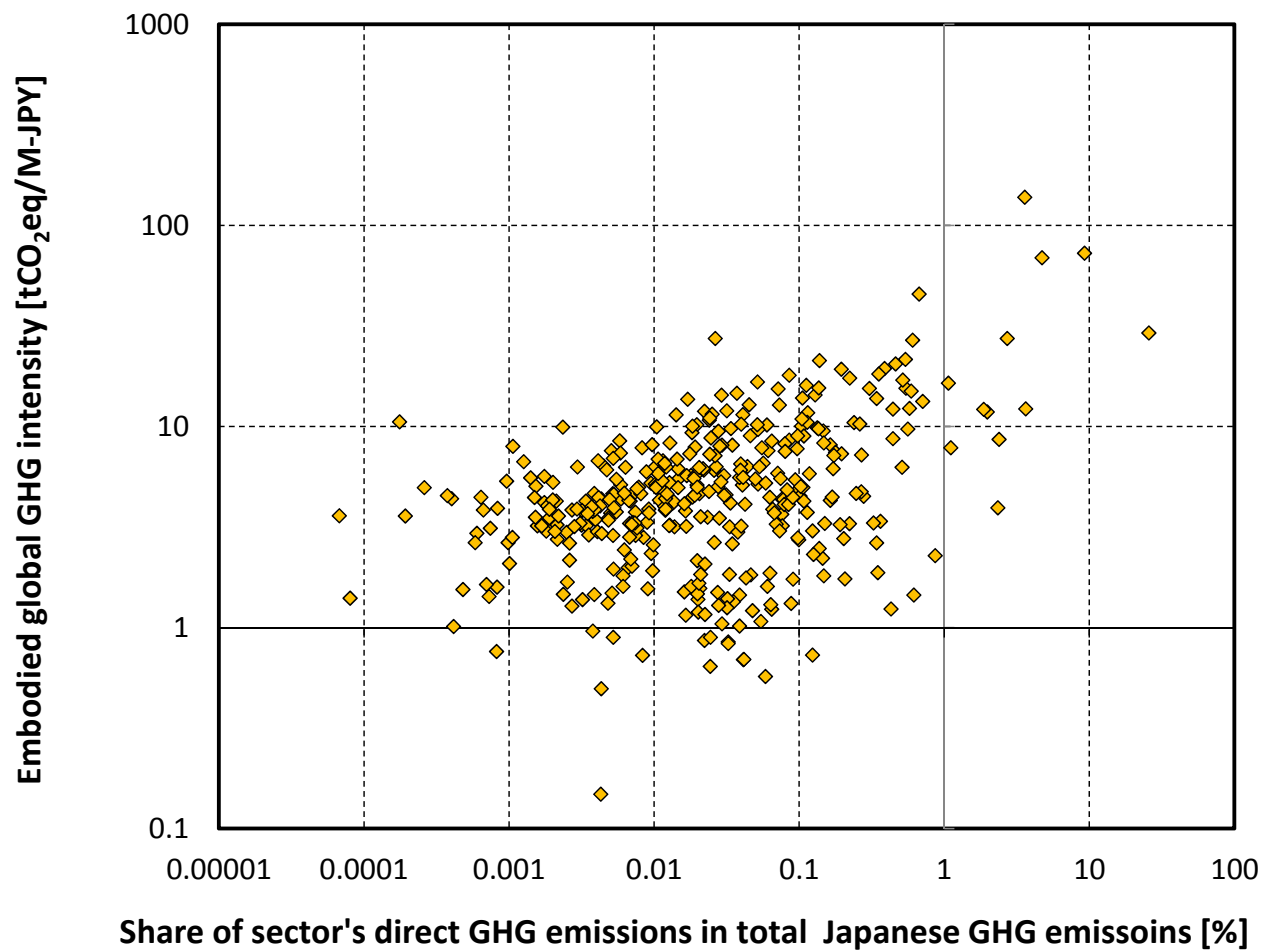
Figure S1: Example of estimated empirical distribution of coefficient  $\phi_{p=97}^{(k)}$  indicating by how many times the input coefficient from country  $p = 97$  (USA) to country  $q$  is multiplied if country  $p$  produces commodity  $k$  only.



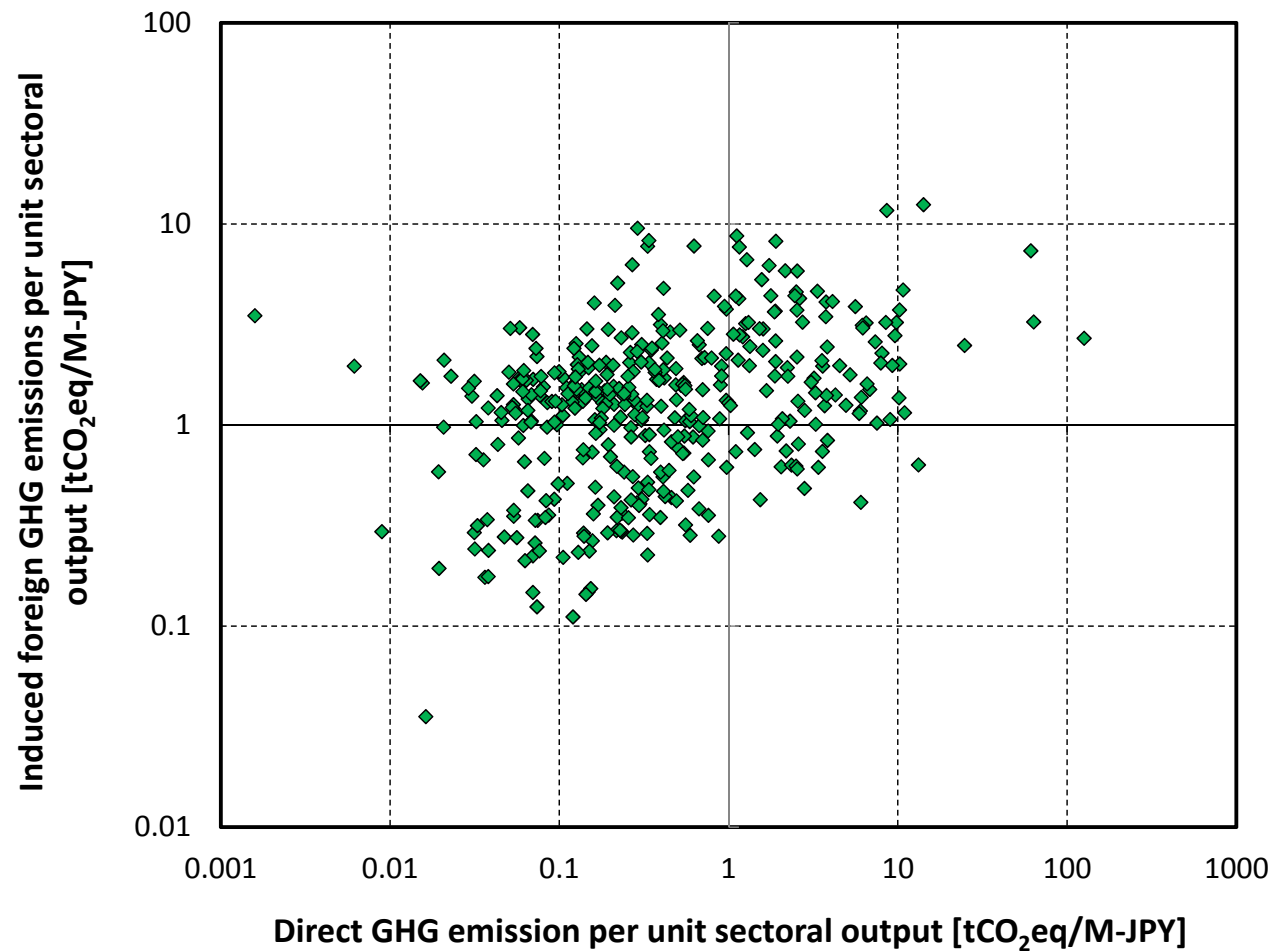
Enlargement of Figure 2 (a) in the main text.  $R^2$  is 0.0069 for  $y = -1.3299x + 6.6876$  and 0.0079 for  $y = 0.203x^2 - 2.2356x + 6.8294$ .



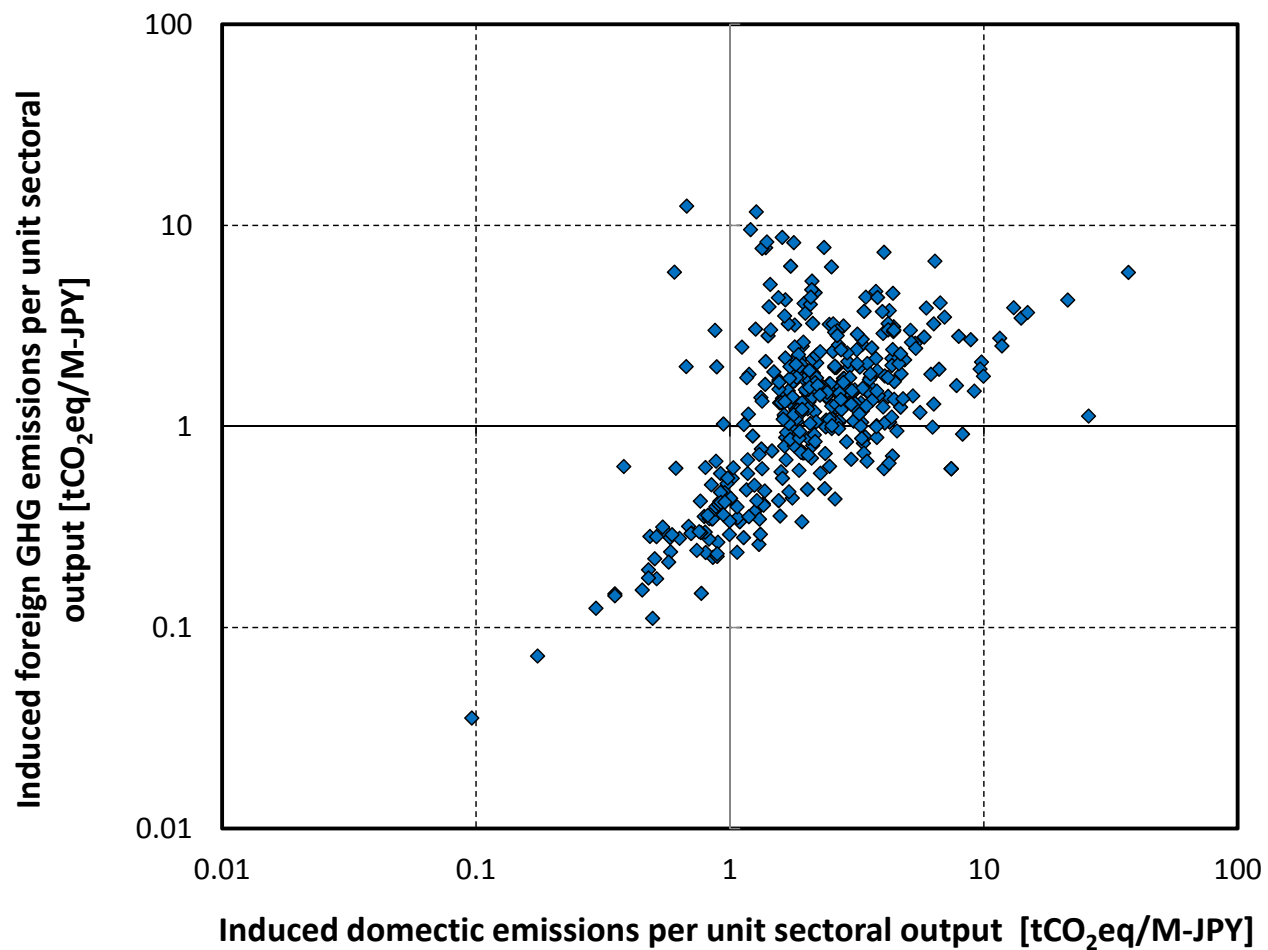
Enlargement of Figure 2 (b) in the main text.  $R^2$  is 0.0857 for  $y = -15.033x + 12.736$  and 0.0861 for  $y = 4.7019x^2 - 19.396x + 13.582$ .



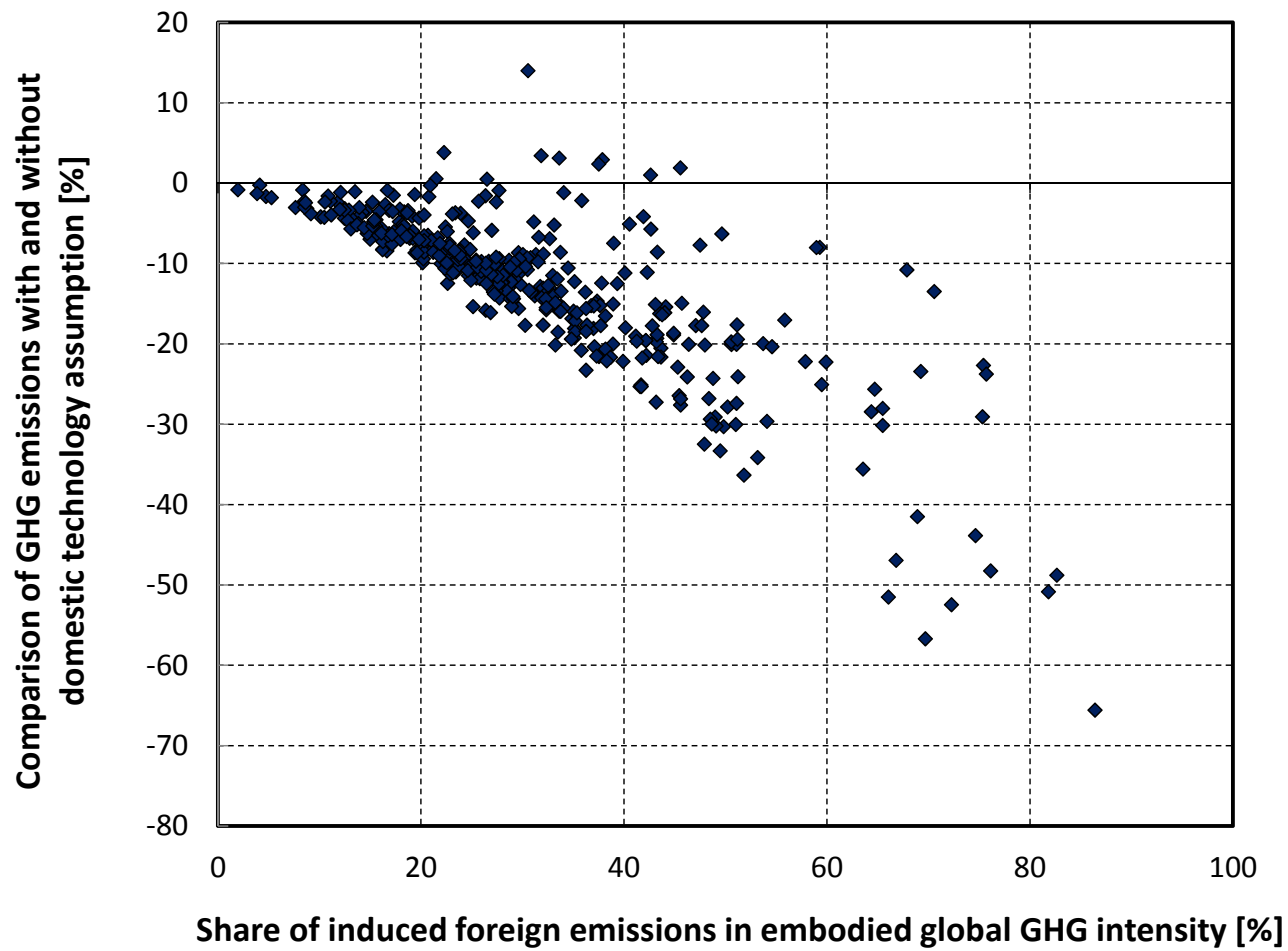
Enlargement of Figure 2 (c) in the main text.  $R^2$  is 0.1621 for  $y = 2.6575x + 5.7742$  and 0.468 for  $y = -0.463x^2 + 12.848x + 4.5346$ .



Enlargement of Figure 2 (d) in the main text.  $R^2$  is 0.0369 for  $y = 0.0401x + 1.6452$  and 0.0966 for  $y = -0.0013x^2 + 0.1635x + 1.499$ .

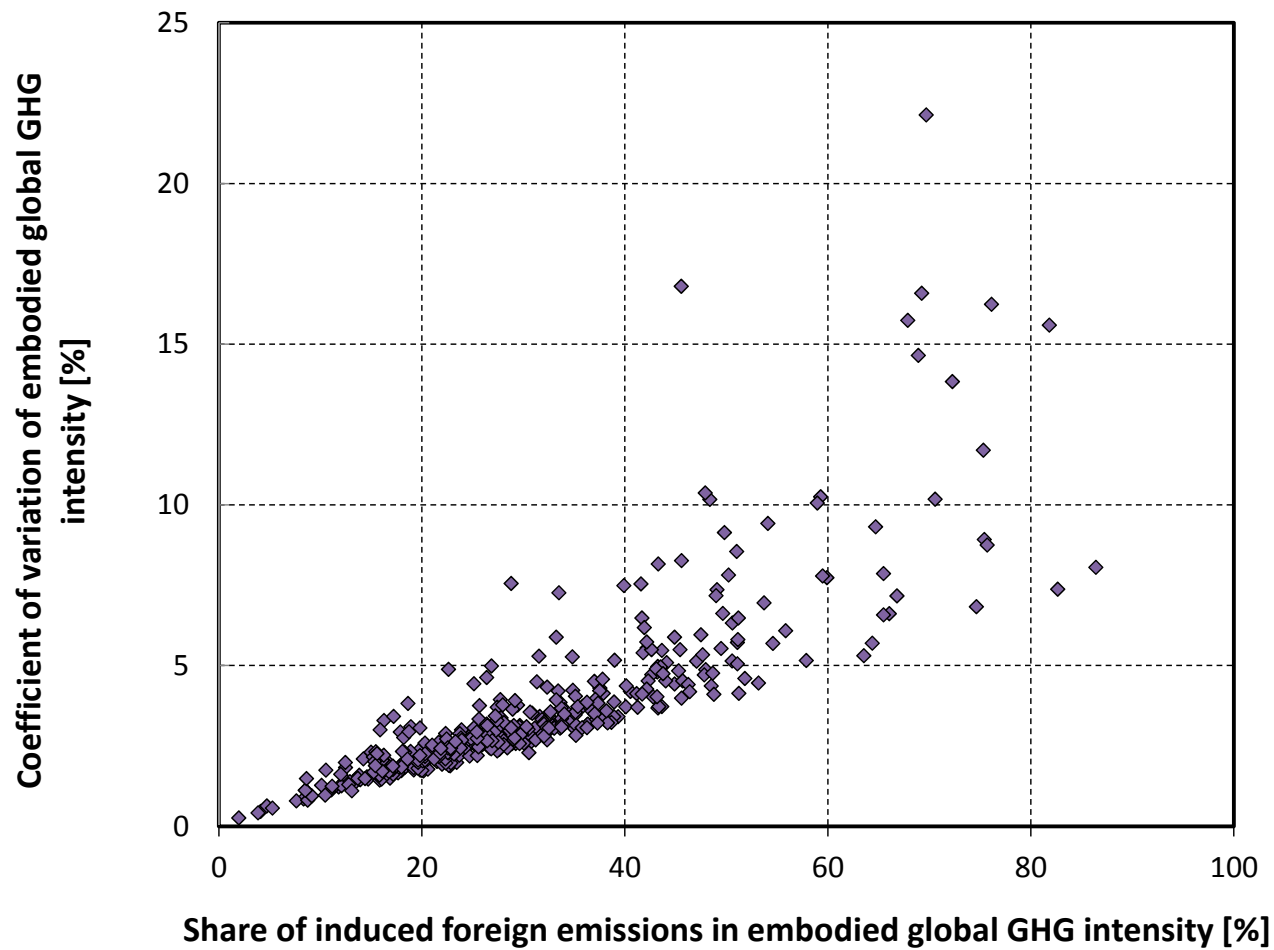


Enlargement of Figure 2 (e) in the main text.  $R^2$  is 0.05 for  $y = 0.1215x + 1.3829$  and 0.0554 for  $y = -0.0031x^2 + 0.1934x + 1.2354$ .



Enlargement of Figure 2 (f) in the main text.  $R^2$  is 0.6532 for  $y = -0.5286x + 3.8819$  and 0.6654 for  $y = -0.0033x^2 - 0.2721x - 0.1341$ .





Enlargement of Figure 2 (g) in the main text.  $R^2$  is 0.6748 for  $y = 0.1444x - 0.8171$  and 0.6938 for  $y = 0.0011x^2 + 0.0584x + 0.5297$ .

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# Appendix

**Table A1: Embodied global energy intensities of Japanese goods and services based on producer price in 2005: Unit: gigajoule (net calorific value basis) per one million Yen (M-JPY)**

**Table A2: Embodied global GHG intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>eq/M-JPY**

**Table A3: Embodied global CO<sub>2</sub> intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>/M-JPY**

**Table A4: Embodied global CH<sub>4</sub> intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>eq/M-JPY**

**Table A5: Embodied global N<sub>2</sub>O intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>eq/M-JPY**

**Table A6: Embodied global PFC intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>eq/M-JPY**

**Table A7: Embodied global HFC intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>eq/M-JPY**

**Table A8: Embodied global SF<sub>6</sub> intensities of Japanese goods and services based on producer price in 2005: Unit: tCO<sub>2</sub>eq/M-JPY**

**Table A9: Embodied global NO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005: Unit: kg/M-JPY**

**Table A10: Embodied global SO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005: Unit: kg/M-JPY**

**All the above global intensities in Unicode Text (.txt) format are also available in the SI.**

Table A1: Embodied global energy intensities of Japanese goods and services based on producer price in 2005 [1/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global energy intensities based on producer price in 2005				
				Total	(D) Direct consumptions in Japan during	(S) Induced consumptions in Japan through supply	(F) Induced consumptions in foreign country's	Coefficient of variance of the intensity
JD1	011101	Rice	米	3.26E+1	3.58E+0	2.19E+1	7.17E+0	1.94E+0
JD2	011102	Wheat, barley and the like	麦類	4.22E+1	2.61E+0	2.90E+1	1.06E+1	2.03E+0
JD3	011201	Potatoes and sweet potatoes	いも類	3.00E+1	2.42E+0	1.99E+1	7.64E+0	2.21E+0
JD4	011202	Pulses	豆類	3.20E+1	1.63E+0	2.27E+1	7.64E+0	2.05E+0
JD5	011301	Vegetables	野菜	4.45E+1	1.62E+1	2.02E+1	8.17E+0	1.82E+0
JD6	011401	Fruits	果実	3.71E+1	1.12E+1	1.74E+1	8.53E+0	1.94E+0
JD7	011501	Sugar crops	砂糖原料作物	3.56E+1	2.38E+0	2.33E+1	9.94E+0	2.24E+0
JD8	011502	Crops for beverages	飲料用作物	4.15E+1	4.10E-1	3.02E+1	1.09E+1	1.98E+0
JD9	011509	Other edible crops	その他の食用耕種作物	3.46E+1	4.48E+0	2.20E+1	8.17E+0	2.09E+0
JD10	011601	Crops for feed and forage	飼料作物	2.68E+1	1.26E+0	1.55E+1	1.00E+1	3.39E+0
JD11	011602	Seeds and seedlings	種苗	2.93E+1	8.36E-1	1.45E+1	1.40E+1	1.10E+1
JD12	011603	Flowers and plants	花き・花木類	1.07E+2	6.79E+1	2.66E+1	1.21E+1	1.64E+0
JD13	011609	Other inedible crops	その他の非食用耕種作物	2.06E+1	2.73E+0	1.27E+1	5.18E+0	2.24E+0
JD14	012101	Dairy cattle farming	酪農	3.15E+1	1.89E+0	1.80E+1	1.16E+1	3.57E+0
JD15	012102	Hen eggs	鶏卵	3.81E+1	6.51E-1	2.26E+1	1.49E+1	3.65E+0
JD16	012103	Fowls and broilers	肉鶏	4.80E+1	1.01E+0	3.02E+1	1.67E+1	3.21E+0
JD17	012104	Hogs	豚	4.13E+1	6.18E-1	2.62E+1	1.44E+1	3.25E+0
JD18	012105	Beef cattle	肉用牛	3.81E+1	2.43E-1	2.40E+1	1.38E+1	3.39E+0
JD19	012109	Other livestock	その他の畜産	3.64E+1	1.34E+0	2.13E+1	1.38E+1	3.27E+0
JD20	013101	Veterinary service	獣医薬業	1.86E+1	6.02E-1	1.26E+1	5.42E+0	2.44E+0
JD21	013102	Agricultural services (except veterinary service)	農業サービス (除獣医薬業)	4.73E+1	8.62E+0	3.06E+1	8.11E+0	1.56E+0
JD22	021101	Silviculture	育林	6.58E+0	1.03E+0	4.04E+0	1.51E+0	2.57E+0
JD23	021201	Logs	素材	2.70E+1	5.68E+0	1.41E+1	7.16E+0	2.76E+0
JD24	021301	Special forest products (inc. hunting)	特用林産物(含狩猟業)	7.68E+1	2.88E+1	3.71E+1	1.09E+1	1.78E+0
JD25	031101	Marine fisheries	海面漁業	1.31E+2	1.03E+2	1.60E+1	1.23E+1	1.53E+0
JD26	031104	Marine culture	海面養殖業	6.42E+1	2.30E+1	2.83E+1	1.28E+1	1.92E+0
JD27	0312001	Inland water fisheries and culture	内水面漁業・養殖業	7.88E+1	2.61E+1	3.35E+1	1.92E+1	4.92E+0
JD28	061101	Metallic ores	金属鉱物	1.07E+2	9.01E+0	8.63E+1	1.14E+1	1.14E+0
JD29	062101	Materials for ceramics	窯業原料鉱物	1.06E+2	3.81E+1	5.56E+1	1.18E+1	1.62E+0
JD30	062201	Gravel and quarrying	砂利・採石	7.95E+1	7.54E+0	5.95E+1	1.25E+1	2.56E+0
JD31	062202	Crushed stones	砕石	7.72E+1	7.75E+0	5.73E+1	1.22E+1	2.39E+0
JD32	062909	Other non-metallic ores	その他の非金属鉱物	1.37E+2	5.79E+1	6.25E+1	1.70E+1	1.77E+0
JD33	071101	Coal mining, crude petroleum and natural gas	石炭・原油・天然ガス	6.28E+1	2.30E+0	5.34E+1	7.05E+0	1.01E+0
JD34	0711011	Coal mining	石炭	6.28E+1	0.00E+0	5.57E+1	7.05E+0	1.01E+0
JD35	0711012	Crude petroleum	原油	6.28E+1	0.00E+0	5.57E+1	7.05E+0	1.01E+0
JD36	0711013	Natural gas	天然ガス	6.28E+1	0.00E+0	5.57E+1	7.05E+0	1.01E+0
JD37	111101	Slaughtering and meat processing	と畜(含肉鶏処理)	3.77E+1	2.40E-2	2.47E+1	1.29E+1	3.15E+0
JD38	111201	Processed meat products	肉加工品	4.65E+1	3.32E+0	1.54E+1	2.78E+1	6.66E+0
JD39	111202	Bottled or canned meat products	畜産びん・かん詰	4.16E+1	6.91E+0	2.21E+1	1.27E+1	2.66E+0
JD40	111203	Dairy farm products	酪農品	4.93E+1	9.57E+0	2.81E+1	1.17E+1	2.11E+0
JD41	111301	Frozen fish and shellfish	冷凍魚介類	7.71E+1	2.42E+0	6.36E+1	1.10E+1	1.59E+0
JD42	111302	Salted, dried or smoked seafood	塩・干・くん製品	6.15E+1	4.85E+0	3.60E+1	2.07E+1	2.76E+0
JD43	111303	Bottled or canned seafood	水産びん・かん詰	6.08E+1	1.23E+1	3.43E+1	1.42E+1	1.91E+0
JD44	111304	Fish paste	わり製品	5.13E+1	6.43E+0	2.69E+1	1.80E+1	2.69E+0
JD45	111309	Other processed seafood	その他の水産食品	4.92E+1	3.09E+0	3.15E+1	1.45E+1	2.44E+0
JD46	111401	Grain milling	精穀	3.17E+1	4.50E-1	2.48E+1	6.50E+0	1.91E+0
JD47	111402	Flour and other grain milled products	製粉	5.25E+1	8.77E+0	2.21E+1	2.16E+1	5.26E+0
JD48	111501	Noodles	めん類	4.87E+1	9.31E+0	2.54E+1	1.39E+1	2.47E+0
JD49	111502	Bread	パン類	3.99E+1	5.53E+0	2.27E+1	1.16E+1	2.46E+0
JD50	111503	Confectionery	菓子類	4.21E+1	5.53E+0	2.34E+1	1.32E+1	2.61E+0
JD51	111601	Bottled or canned vegetables and fruits	農産びん・かん詰	5.46E+1	7.48E+0	3.14E+1	1.57E+1	2.17E+0
JD52	111602	Preserved agricultural foodstuffs (other than bottled or canned)	農産保存食料品(除びん・かん詰)	3.80E+1	4.29E+0	2.29E+1	1.08E+1	2.19E+0
JD53	111701	Sugar	砂糖	1.09E+2	5.30E+1	2.96E+1	2.61E+1	3.61E+0
JD54	111702	Starch	でん粉	6.99E+1	2.69E+1	2.37E+1	1.93E+1	3.33E+0
JD55	111703	Dextrose, syrup and isomerized sugar	ぶどう糖・水あめ・異性化糖	1.12E+2	3.64E+1	5.80E+1	1.75E+1	1.51E+0
JD56	111704	Vegetable oils and meal	植物油脂	6.56E+1	1.73E+1	2.09E+1	2.74E+1	4.40E+0
JD57	111705	Animal oils and fats	動物油脂	8.98E+1	3.55E+1	3.99E+1	1.43E+1	1.42E+0
JD58	111706	Condiments and seasonings	調味料	4.50E+1	5.99E+0	2.61E+1	1.29E+1	2.24E+0
JD59	111901	Prepared frozen foods	冷凍調理食品	5.30E+1	1.09E+1	2.60E+1	1.61E+1	2.43E+0
JD60	111902	Retort foods	レトルト食品	5.21E+1	1.11E+1	2.31E+1	1.79E+1	2.55E+0
JD61	111903	Dishes, sushi and lunch boxes	そう菜・すし・弁当	4.40E+1	6.57E+0	2.27E+1	1.47E+1	2.62E+0
JD62	111904	School lunch (public) **	学校給食(国公立)★	3.47E+1	6.75E+0	1.89E+1	9.08E+0	2.10E+0
JD63	111905	School lunch (private) *	学校給食(私立)★	3.35E+1	4.60E+0	1.95E+1	9.42E+0	2.22E+0
JD64	111909	Other foods	その他の食料品	5.33E+1	1.41E+1	2.69E+1	1.23E+1	1.94E+0
JD65	112101	Refined sake	清酒	3.03E+1	4.39E+0	2.07E+1	5.24E+0	1.55E+0
JD66	112102	Beer	ビール	2.44E+1	5.46E+0	1.36E+1	5.31E+0	1.72E+0
JD67	112103	Whiskey and brandy	ウイスキー類	2.98E+1	6.05E+0	1.74E+1	6.42E+0	1.78E+0
JD68	112109	Other liquors	その他の酒類	3.21E+1	6.94E+0	1.74E+1	7.75E+0	1.96E+0
JD69	112901	Tea and roasted coffee	茶・コーヒー	4.13E+1	3.18E+0	2.29E+1	1.52E+1	2.31E+0
JD70	112902	Soft drinks	清涼飲料	3.91E+1	4.48E+0	2.35E+1	1.10E+1	2.09E+0
JD71	112903	Manufactured ice	製氷	7.57E+1	8.66E-1	6.75E+1	7.41E+0	8.95E-1
JD72	113101	Animal feed	飼料	4.64E+1	4.71E+0	1.78E+1	2.39E+1	5.15E+0
JD73	113102	Organic fertilizers, n.e.c.	有機質肥料(除別掲)	4.44E+1	9.53E+0	2.02E+1	1.47E+1	2.63E+0
JD74	114101	Tobacco	たばこ	1.01E+1	4.32E-1	6.38E+0	3.33E+0	3.76E+0
JD75	151101	Fiber yarns	紡績糸	7.84E+1	5.51E+0	3.90E+1	3.39E+1	5.76E+0
JD76	151201	Cotton and staple fiber fabrics (inc. fabrics of synthetic spun fibers)	綿・スフ織物(含合繊短繊維織物)	9.55E+1	6.20E+0	5.64E+1	3.29E+1	2.52E+0
JD77	151202	Silk and artificial silk fabrics (inc. fabrics of synthetic filament fibers)	絹・人絹織物(含合繊長繊維織物)	8.91E+1	5.11E+0	6.35E+1	2.05E+1	2.12E+0
JD78	151203	Woolen fabrics, hemp fabrics and other fabrics	毛織物・麻織物・その他の織物	8.64E+1	2.02E+0	6.01E+1	2.43E+1	2.17E+0
JD79	151301	Knitting fabrics	ニット生地	6.79E+1	1.94E+0	3.70E+1	2.90E+1	4.26E+0
JD80	151401	Yarn and fabric dyeing and finishing (processing on commission only)	染色整理	1.25E+2	6.38E+1	3.99E+1	2.09E+1	1.35E+0
JD81	151901	Ropes and nets	綱・網	7.01E+1	3.88E+0	5.03E+1	1.60E+1	2.23E+0
JD82	151902	Carpets and floor mats	じゅうたん・床敷物	7.78E+1	5.65E+0	5.12E+1	2.09E+1	2.24E+0
JD83	151903	Fabricated textiles for medical use	繊維製衛生材料	5.84E+1	5.11E+0	3.97E+1	1.35E+1	2.72E+0
JD84	151909	Other fabricated textile products	その他の繊維工業製品	7.52E+1	7.89E+0	5.01E+1	1.73E+1	1.99E+0
JD85	152101	Woven fabric apparel	織物製衣服	5.21E+1	7.14E-1	3.01E+1	2.12E+1	3.18E+0
JD86	152102	Knitted apparel	ニット製衣服	5.99E+1	1.79E+0	4.13E+1	1.68E+1	2.47E+0
JD87	152209	Other wearing apparel and clothing accessories	その他の衣服・身の回り品	6.07E+1	6.70E+0	3.58E+1	1.82E+1	2.29E+0
JD88	152901	Bedding	寝具	4.29E+1	1.10E+0	2.37E+1	1.81E+1	3.26E+0
JD89	152909	Other ready-made textile products	その他の繊維既製品	5.02E+1	1.69E+0	3.08E+1	1.77E+1	2.72E+0
JD90	161101	Timber	製材	4.85E+1	2.15E+0	1.61E+1	3.02E+1	4.83E+0
JD91	161102	Plywood	合板	5.56E+1	3.56E+0	2.79E+1	2.41E+1	3.10E+0
JD92	161103	Wooden chips	木材チップ	3.67E+1	2.69E+0	2.42E+1	9.77E+0	2.13E+0
JD93	161909	Other wooden products	その他の木製品	3.80E+1	1.47E+0	2.35E+1	1.31E+1	2.48E+0

Table A1: Embodied global energy intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global energy intensities based on producer price in 2005				
				Total	(D) Direct consumptions in Japan during	(S) Induced consumptions in Japan through supply	(F) Induced consumptions in foreign country's	Coefficient of variance of the intensity
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	4.14E+1	2.34E+0	2.32E+1	1.59E+1	2.74E+0
JD95	171102	Wooden fixtures	木製建具	4.18E+1	3.31E+0	2.59E+1	1.26E+1	2.18E+0
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	6.17E+1	2.74E+0	4.27E+1	1.63E+1	2.00E+0
JD97	181101	Pulp	パルプ	3.55E+2	2.37E+2	7.74E+1	4.03E+1	1.30E+0
JD98	181201	Paper	洋紙・和紙	2.56E+2	8.39E+1	1.49E+2	2.34E+1	7.59E-1
JD99	181202	Paperboard	板紙	2.16E+2	3.99E+1	1.54E+2	2.25E+1	9.18E-1
JD100	181301	Corrugated cardboard	段ボール	1.18E+2	2.58E+0	1.01E+2	1.49E+1	1.07E+0
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	9.09E+1	8.33E+0	7.01E+1	1.24E+1	1.18E+0
JD102	182101	Corrugated card board boxes	段ボール箱	5.57E+1	1.90E+0	4.60E+1	7.84E+0	1.24E+0
JD103	182109	Other paper containers	その他の紙製容器	7.37E+1	3.50E+0	5.02E+1	2.01E+1	2.92E+0
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	7.48E+1	8.16E+0	5.27E+1	1.39E+1	1.60E+0
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	7.00E+1	4.39E+0	5.52E+1	1.03E+1	1.21E+0
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	4.95E+1	2.38E+0	3.88E+1	8.40E+0	1.33E+0
JD107	201101	Chemical fertilizer	化学肥料	1.25E+2	4.65E+1	3.87E+1	3.96E+1	2.37E+0
JD108	202101	Industrial soda chemicals	ソーダ工業製品	2.66E+2	3.91E+1	1.81E+2	4.62E+1	3.22E+0
JD109	202901	Inorganic pigment	無機顔料	1.24E+2	2.36E+1	6.54E+1	3.47E+1	2.16E+0
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	1.76E+2	1.12E+1	1.48E+2	1.67E+1	7.83E-1
JD111	202903	Salt	塩	1.71E+2	9.39E+1	3.49E+1	4.21E+1	4.97E+0
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	1.53E+2	6.26E+1	5.45E+1	3.60E+1	1.77E+0
JD113	203101	Petrochemical basic products	石油化学基礎製品	1.46E+2	2.42E+1	3.51E+1	8.67E+1	1.00E+1
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	1.30E+2	2.54E+1	3.04E+1	7.43E+1	9.59E+0
JD115	203201	Aliphatic intermediates	脂肪族中間物	1.88E+2	4.91E+1	8.59E+1	5.27E+1	3.82E+0
JD116	203202	Cyclic intermediates	環式中間物	1.37E+2	3.58E+1	4.81E+1	5.27E+1	4.91E+0
JD117	203301	Synthetic rubber	合成ゴム	2.53E+2	1.41E+2	7.57E+1	3.58E+1	2.03E+0
JD118	203901	Methane derivatives	メタン誘導品	1.93E+2	9.66E+1	6.66E+1	2.93E+1	1.19E+0
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	7.63E+1	2.55E+1	2.96E+1	2.12E+1	2.32E+0
JD120	203903	Plasticizers	可塑剤	1.19E+2	3.34E+1	5.23E+1	3.36E+1	2.16E+0
JD121	203904	Synthetic dyes	合成染料	1.79E+2	9.53E+1	5.41E+1	2.97E+1	1.26E+0
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	1.19E+2	2.35E+1	6.60E+1	2.95E+1	2.17E+0
JD123	204101	Thermo-setting resins	熱硬化性樹脂	9.79E+1	9.85E+0	5.43E+1	3.37E+1	3.35E+0
JD124	204102	Thermoplastics resins	熱可塑性樹脂	1.21E+2	1.25E+1	5.86E+1	4.97E+1	6.12E+0
JD125	204103	High function resins	高機能性樹脂	1.01E+2	7.37E+0	5.96E+1	3.41E+1	3.51E+0
JD126	204109	Other resins	その他の合成樹脂	1.00E+2	8.52E+0	5.81E+1	3.39E+1	3.48E+0
JD127	205101	Rayon and acetate	レーヨン・アセテート	2.06E+2	1.23E+2	6.03E+1	2.31E+1	9.47E-1
JD128	205102	Synthetic fibers	合成繊維	1.42E+2	4.26E+1	7.20E+1	2.73E+1	1.98E+0
JD129	206101	Medicaments	医薬品	3.81E+1	3.56E+0	2.44E+1	1.01E+1	2.08E+0
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	6.99E+1	1.41E+1	3.52E+1	2.06E+1	2.27E+0
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	4.79E+1	1.61E+0	3.42E+1	1.22E+1	2.08E+0
JD132	207201	Paint and varnishes	塗料	7.49E+1	3.24E+0	4.30E+1	2.87E+1	3.43E+0
JD133	207202	Printing ink	印刷インキ	6.86E+1	1.15E+0	4.08E+1	2.67E+1	3.66E+0
JD134	207301	Photographic sensitive materials	写真感光材料	8.50E+1	1.99E+1	4.34E+1	2.18E+1	1.86E+0
JD135	207401	Agricultural chemicals	農薬	1.01E+2	3.42E+1	4.79E+1	1.90E+1	1.39E+0
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	7.85E+1	1.72E+1	3.83E+1	2.30E+1	2.68E+0
JD137	207909	Other final chemical products	その他の化学最終製品	9.35E+1	2.01E+1	4.65E+1	2.69E+1	2.34E+0
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	1.13E+2	3.41E+1	7.77E+0	7.09E+1	1.45E+1
JD139	212101	Coal products	石炭製品	2.30E+2	1.21E+2	1.81E+1	9.05E+1	5.03E+0
JD140	212102	Paving materials	舗装材料	5.75E+1	3.85E+0	3.12E+1	2.24E+1	7.24E+0
JD141	221101	Plastic products	プラスチック製品	6.11E+1	1.31E+0	3.69E+1	2.29E+1	3.47E+0
JD142	231101	Tires and inner tubes	タイヤ・チューブ	9.33E+1	5.17E+0	6.17E+1	2.65E+1	3.25E+0
JD143	231901	Rubber footwear	ゴム製履物	4.58E+1	1.05E+1	2.51E+1	1.03E+1	2.41E+0
JD144	231902	Plastic footwear	プラスチック製履物	5.70E+1	1.17E+1	3.05E+1	1.48E+1	2.11E+0
JD145	231909	Other rubber products	その他のゴム製品	6.06E+1	3.54E+0	4.14E+1	1.56E+1	2.32E+0
JD146	241101	Leather footwear	革製履物	3.62E+1	1.83E+0	1.67E+1	1.76E+1	3.22E+0
JD147	241201	Leather and fur skins	皮革・毛皮	5.55E+1	1.12E+1	1.79E+1	2.63E+1	4.61E+0
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	3.96E+1	1.60E+0	2.19E+1	1.61E+1	3.04E+0
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	7.45E+1	3.29E+1	2.60E+1	1.56E+1	1.65E+0
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	1.37E+2	5.55E+1	6.71E+1	1.49E+1	1.08E+0
JD151	251909	Other glass products	その他のガラス製品	8.68E+1	4.26E+1	3.02E+1	1.40E+1	1.29E+0
JD152	252101	Cement	セメント	6.00E+2	4.59E+2	1.16E+2	2.50E+1	3.99E-1
JD153	252201	Ready mixed concrete	生コンクリート	1.44E+2	3.69E+0	1.28E+2	1.20E+1	8.35E-1
JD154	252301	Cement products	セメント製品	7.81E+1	1.52E+1	5.31E+1	9.74E+0	1.07E+0
JD155	253101	Pottery, china and earthenware	陶磁器	1.05E+2	5.78E+1	3.04E+1	1.71E+1	1.35E+0
JD156	259901	Clay refractories	耐火物	1.23E+2	3.28E+1	4.88E+1	4.15E+1	2.48E+0
JD157	259902	Other structural clay products	その他の建設用土石製品	1.43E+2	8.49E+1	4.01E+1	1.82E+1	1.19E+0
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	1.06E+2	3.75E+1	5.03E+1	1.82E+1	1.33E+0
JD159	259904	Abrasive	研磨材	7.81E+1	1.68E+1	2.43E+1	3.70E+1	3.47E+0
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	8.59E+1	3.84E+1	3.18E+1	1.57E+1	1.36E+0
JD161	261101	Pig iron	鉄鉄	7.29E+2	5.99E+2	5.44E+1	7.57E+1	1.01E+0
JD162	261102	Ferro alloys	フェロアロイ	2.22E+2	1.14E+2	5.55E+1	5.25E+1	2.22E+0
JD163	261103	Crude steel (converters)	粗鋼(転炉)	4.49E+2	1.34E+1	3.76E+2	6.03E+1	1.16E+0
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	1.68E+2	1.14E+1	8.60E+1	7.05E+1	5.44E+0
JD165	261201	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	2.78E+2	1.83E+1	2.16E+2	4.43E+1	1.41E+0
JD167	262201	Steel pipes and tubes	鋼管	1.94E+2	1.43E+1	1.40E+2	4.02E+1	2.03E+0
JD168	262301	Cold-finished steel	冷間仕上鋼材	2.25E+2	2.52E+1	1.61E+2	3.87E+1	1.49E+0
JD169	262302	Coated steel	めっき鋼材	1.76E+2	1.55E+1	1.32E+2	2.91E+1	1.39E+0
JD170	263101	Cast and forged steel	鍛造鋼	1.38E+2	1.94E+1	8.84E+1	2.98E+1	2.13E+0
JD171	263102	Cast iron pipes and tubes	鑄鉄管	1.48E+2	6.76E+1	6.71E+1	1.32E+1	7.67E-1
JD172	263103	Cast and forged materials (iron)	鑄鉄品及び鍛工品(鉄)	1.94E+2	5.58E+1	1.19E+2	1.96E+1	7.69E-1
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	1.60E+2	3.49E+0	1.30E+2	2.65E+1	1.41E+0
JD174	264909	Other iron or steel products	その他の鉄鋼製品	1.11E+2	7.18E+0	8.73E+1	1.69E+1	1.24E+0
JD175	271101	Copper	銅	1.26E+2	1.42E+1	1.97E+1	9.17E+1	8.15E+0
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	1.28E+2	1.47E+1	6.19E+1	5.16E+1	3.99E+0
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	9.42E+1	2.41E+1	2.75E+1	4.27E+1	3.80E+0
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	1.02E+2	3.54E+0	2.40E+1	7.46E+1	8.05E+0
JD179	271201	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	8.08E+1	2.56E+0	2.97E+1	4.85E+1	4.90E+0
JD181	272102	Optical fiber cables	光ファイバケーブル	8.20E+1	3.68E+0	4.76E+1	3.07E+1	2.73E+0
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	9.40E+1	6.69E+0	3.07E+1	5.66E+1	5.88E+0
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	1.40E+2	4.21E+0	1.81E+1	1.18E+2	7.34E+0
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属成形材	8.96E+1	7.67E+0	2.91E+1	5.28E+1	5.00E+0

Table A1: Embodied global energy intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global energy intensities based on producer price in 2005				
				Total	(D) Direct consumptions in Japan during	(S) Induced consumptions in Japan through supply	(F) Induced consumptions in foreign country's	Coefficient of variance of the intensity
JD185	272204	Nuclear fuels	核燃料	4.95E+1	2.03E+0	1.24E+1	3.50E+1	9.05E+0
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	1.22E+2	4.58E+0	2.08E+1	9.63E+1	9.56E+0
JD187	281101	Metal products for construction	建設用金属製品	9.73E+1	2.35E+0	7.48E+1	2.02E+1	1.58E+0
JD188	281201	Metal products for architecture	建築用金属製品	7.64E+1	3.88E+0	3.91E+1	3.34E+1	4.11E+0
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	7.98E+1	3.07E+0	5.41E+1	2.26E+1	2.31E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	8.35E+1	4.27E+0	5.49E+1	2.43E+1	3.71E+0
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	7.71E+1	6.29E+0	5.26E+1	1.82E+1	2.39E+0
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末や金製品・道具類	6.69E+1	4.46E+0	3.70E+1	2.54E+1	3.32E+0
JD193	289909	Other metal products	その他の金属製品	6.98E+1	4.63E+0	4.30E+1	2.22E+1	2.84E+0
JD194	301101	Boilers	ボイラ	3.95E+1	2.30E+0	2.73E+1	9.92E+0	1.93E+0
JD195	301102	Turbines	タービン	5.09E+1	2.69E+0	3.46E+1	1.36E+1	2.02E+0
JD196	301103	Engines	原動機	6.04E+1	2.08E+0	4.20E+1	1.64E+1	2.02E+0
JD197	301201	Conveyors	運搬機械	5.35E+1	8.92E-1	3.41E+1	1.86E+1	2.54E+0
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	4.69E+1	1.38E+0	2.79E+1	1.76E+1	2.59E+0
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	5.76E+1	1.20E+0	3.97E+1	1.67E+1	2.08E+0
JD200	301902	Machinists' precision tools	機械工具	5.55E+1	1.52E+0	3.45E+1	1.95E+1	2.91E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	5.53E+1	2.02E+0	3.91E+1	1.41E+1	1.84E+0
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	5.39E+1	1.72E+0	3.82E+1	1.40E+1	1.95E+0
JD203	302201	Chemical machinery	化学機械	4.19E+1	8.52E-1	3.02E+1	1.09E+1	1.92E+0
JD204	302301	Industrial robots	産業用ロボット	4.66E+1	8.42E-1	3.22E+1	1.36E+1	2.23E+0
JD205	302401	Metal machine tools	金属工作機械	4.39E+1	4.80E-1	3.22E+1	1.13E+1	1.97E+0
JD206	302402	Metal processing machinery	金属加工機械	5.23E+1	1.12E+0	3.98E+1	1.14E+1	1.71E+0
JD207	302901	Machinery for agricultural use	農業用機械	5.12E+1	2.52E+0	3.72E+1	1.16E+1	1.69E+0
JD208	302902	Textile machinery	繊維機械	5.03E+1	1.67E+0	3.33E+1	1.53E+1	2.26E+0
JD209	302903	Food processing machinery and equipment	食品機械・同装置	5.79E+1	9.32E-1	4.27E+1	1.42E+1	1.83E+0
JD210	302904	Semiconductor making equipment	半導体製造装置	4.07E+1	6.77E-1	2.84E+1	1.16E+1	2.16E+0
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	5.21E+1	1.51E+0	3.69E+1	1.37E+1	1.89E+0
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	4.71E+1	1.20E+0	3.21E+1	1.38E+1	2.16E+0
JD213	303101	Metal molds	金型	5.15E+1	1.44E+0	3.92E+1	1.09E+1	1.56E+0
JD214	303102	Bearings	ベアリング	7.97E+1	2.83E+0	6.18E+1	1.51E+1	1.43E+0
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	5.48E+1	2.24E+0	3.59E+1	1.67E+1	2.29E+0
JD216	311101	Copy machine	複写機	4.71E+1	1.02E+0	2.83E+1	1.77E+1	3.36E+0
JD217	311109	Other office machines	その他の事務用機械	4.02E+1	6.65E-1	2.48E+1	1.47E+1	3.25E+0
JD218	311201	Machinery for service industry	サービス用機器	4.46E+1	9.07E-1	2.86E+1	1.50E+1	2.78E+0
JD219	321101	Rotating electrical equipment	回転電気機械	6.47E+1	2.36E+0	4.00E+1	2.23E+1	2.46E+0
JD220	321102	Transformers and reactors	変圧器・変成器	6.14E+1	2.61E-1	3.50E+1	2.62E+1	3.10E+0
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	4.75E+1	1.10E+0	2.95E+1	1.69E+1	2.60E+0
JD222	321104	Wiring devices and supplies	配線器具	4.60E+1	1.65E+0	2.48E+1	1.96E+1	2.91E+0
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	4.68E+1	1.07E+0	3.00E+1	1.57E+1	2.45E+0
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	4.95E+1	1.31E+0	2.90E+1	1.91E+1	2.75E+0
JD225	322101	Applied electronic equipment	電子応用装置	3.54E+1	2.45E-1	1.90E+1	1.62E+1	4.46E+0
JD226	323101	Electric measuring instruments	電気計測器	3.26E+1	5.14E-1	1.82E+1	1.39E+1	4.01E+0
JD227	324101	Electric bulbs	電球類	4.37E+1	5.12E+0	2.79E+1	1.13E+1	1.99E+0
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	4.56E+1	2.45E+0	2.75E+1	1.57E+1	2.56E+0
JD229	324103	Batteries	電池	7.26E+1	3.13E+0	3.61E+1	3.33E+1	3.76E+0
JD230	324109	Other electrical devices and parts	その他の電気機械器具	6.90E+1	6.25E+0	2.25E+1	4.03E+1	6.10E+0
JD231	325101	Household air-conditioners	民生用エアコンディショナ	4.63E+1	1.04E+0	2.85E+1	1.68E+1	2.89E+0
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	4.59E+1	4.46E-1	2.76E+1	1.78E+1	2.93E+0
JD233	331101	Video recording and playback equipment	ビデオ機器	4.54E+1	9.28E-2	2.45E+1	2.08E+1	4.02E+0
JD234	331102	Electric audio equipment	電気音響機器	4.31E+1	9.27E-1	2.46E+1	1.75E+1	3.54E+0
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	4.22E+1	4.16E-1	2.59E+1	1.60E+1	3.33E+0
JD236	332101	Wired communication equipment	有線電気通信機器	4.03E+1	8.96E-1	2.16E+1	1.78E+1	3.57E+0
JD237	332102	Cellular phones	携帯電話機	3.98E+1	9.50E-1	2.09E+1	1.80E+1	3.98E+0
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	4.11E+1	1.03E+0	2.02E+1	1.98E+1	3.98E+0
JD239	332109	Other communication equipment	その他の電気通信機器	3.70E+1	1.50E+0	2.17E+1	1.38E+1	3.01E+0
JD240	333101	Personal Computers	パーソナルコンピュータ	4.04E+1	3.06E-1	1.84E+1	2.16E+1	5.30E+0
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	3.44E+1	3.39E-1	1.64E+1	1.76E+1	5.11E+0
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	3.86E+1	2.43E-1	2.12E+1	1.71E+1	4.30E+0
JD243	341101	Semiconductor devices	半導体素子	4.26E+1	6.18E+0	2.38E+1	1.27E+1	2.27E+0
JD244	341102	Integrated circuits	集積回路	5.28E+1	3.89E+0	3.27E+1	1.62E+1	2.48E+0
JD245	342101	Electron tubes	電子管	7.56E+1	6.45E+0	3.68E+1	3.23E+1	4.16E+0
JD246	342102	Liquid crystal element	液晶素子	4.40E+1	1.26E+0	2.46E+1	1.81E+1	4.15E+0
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	7.62E+1	1.65E+1	4.48E+1	1.49E+1	1.76E+0
JD248	342109	Other electronic components	その他の電子部品	5.23E+1	1.83E+0	2.99E+1	2.06E+1	2.90E+0
JD249	351101	Passenger motor cars	乗用車	5.49E+1	9.70E-1	3.78E+1	1.61E+1	2.23E+0
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	5.62E+1	2.12E+0	3.76E+1	1.64E+1	2.21E+0
JD251	353101	Two-wheel motor vehicles	二輪自動車	4.93E+1	1.14E+0	3.20E+1	1.62E+1	2.38E+0
JD252	354101	Motor vehicle bodies	自動車車体	7.19E+1	3.29E+0	4.94E+1	1.92E+1	2.65E+0
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部品	6.22E+1	4.05E+0	3.86E+1	1.96E+1	2.25E+0
JD254	354103	Motor vehicle parts and accessories	自動車部品	5.77E+1	2.52E+0	3.86E+1	1.66E+1	2.15E+0
JD255	361101	Steel ships	鋼船	9.19E+1	1.51E+0	7.11E+1	1.93E+1	1.71E+0
JD256	361102	Ships (except steel ships)	その他の船舶	4.58E+1	1.19E+0	3.38E+1	1.08E+1	1.82E+0
JD257	361103	Internal combustion engines for vessels	船用内燃機関	7.90E+1	1.52E+1	5.00E+1	1.38E+1	1.36E+0
JD258	361110	Repair of ships	船舶修理	5.18E+1	6.28E-1	3.87E+1	1.26E+1	1.93E+0
JD259	362101	Rolling stock	鉄道車両	6.43E+1	2.34E+0	4.55E+1	1.65E+1	1.87E+0
JD260	362110	Repair of rolling stock	鉄道車両修理	9.32E+1	2.04E+1	5.34E+1	1.93E+1	1.56E+0
JD261	362201	Aircrafts	航空機	4.11E+1	7.21E+0	1.88E+1	1.52E+1	3.73E+0
JD262	362210	Repair of aircrafts	航空機修理	3.52E+1	3.14E+0	9.95E+0	2.21E+1	1.09E+1
JD263	362901	Bicycles	自転車	8.51E+1	1.73E+1	3.72E+1	3.06E+1	2.80E+0
JD264	362909	Other transport equipment	その他の輸送機械	6.00E+1	3.86E+0	4.24E+1	1.37E+1	1.67E+0
JD265	371101	Camera	カメラ	3.73E+1	1.42E+0	2.20E+1	1.39E+1	3.19E+0
JD266	371109	Other photographic and optical instruments	その他の光学機械	4.96E+1	1.96E+0	3.04E+1	1.73E+1	2.93E+0
JD267	371201	Watches and clocks	時計	4.74E+1	2.09E+0	2.39E+1	2.14E+1	8.24E+0

Table A1: Embodied global energy intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global energy intensities based on producer price in 2005				
				Total	(D) Direct consumptions in Japan during	(S) Induced consumptions in Japan through supply	(F) Induced consumptions in foreign country's	Coefficient of variance of the intensity
JD268	371901	Professional and scientific instruments	理化学機械器具	3.56E+1	2.27E+0	2.49E+1	8.44E+0	1.77E+0
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	3.46E+1	1.11E+0	2.23E+1	1.12E+1	2.54E+0
JD270	371903	Medical instruments	医療用機械器具	4.03E+1	2.56E+0	2.44E+1	1.33E+1	2.57E+0
JD271	391101	Toys and games	おもちゃ	4.93E+1	2.41E+0	2.42E+1	2.27E+1	3.62E+0
JD272	391102	Sporting and athletic goods	運動用品	5.60E+1	2.33E+0	3.69E+1	1.68E+1	2.37E+0
JD273	391901	Musical instruments	楽器	4.12E+1	7.76E-1	2.48E+1	1.56E+1	3.01E+0
JD274	391902	Audio and video records, other information recording media	情報記録物	3.67E+1	6.47E-1	2.67E+1	9.27E+0	2.22E+0
JD275	391903	Stationery	筆記具・文具	4.29E+1	1.31E+0	2.96E+1	1.20E+1	2.35E+0
JD276	391904	Jewelry and adornments	身辺細貨品	5.54E+1	1.04E+0	2.02E+1	3.41E+1	6.22E+0
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	3.93E+1	7.09E-1	1.18E+1	2.68E+1	6.14E+0
JD278	391906	Ordnance	武器	4.78E+1	7.65E-1	2.86E+1	1.84E+1	2.86E+0
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	4.34E+1	7.45E-1	2.82E+1	1.44E+1	2.54E+0
JD280	392101	Reuse and recycling	再生資源回収・加工処理	4.93E+1	6.43E+0	3.77E+1	5.19E+0	1.66E+0
JD281	411101	Residential construction (wooden)	住宅建築(木造)	3.43E+1	7.49E-1	2.07E+1	1.29E+1	2.49E+0
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	4.42E+1	1.74E+0	2.89E+1	1.35E+1	2.21E+0
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	3.58E+1	8.62E-1	2.16E+1	1.34E+1	2.53E+0
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	4.63E+1	1.82E+0	2.93E+1	1.51E+1	2.38E+0
JD285	412101	Repair of construction	建設補修	4.19E+1	2.50E+0	2.73E+1	1.21E+1	2.21E+0
JD286	413101	Public construction of roads	道路関係公共事業	4.72E+1	6.23E+0	3.17E+1	9.29E+0	1.93E+0
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	4.34E+1	4.58E+0	3.06E+1	8.28E+0	1.72E+0
JD288	413103	Agricultural public construction	農林関係公共事業	5.37E+1	7.17E+0	3.66E+1	9.94E+0	1.75E+0
JD289	413201	Railway construction	鉄道軌道建設	5.18E+1	2.93E+0	3.76E+1	1.13E+1	1.67E+0
JD290	413202	Electric power facilities construction	電力施設建設	5.10E+1	2.27E+0	3.03E+1	1.84E+1	2.63E+0
JD291	413203	Telecommunication facilities construction	電気通信施設建設	4.63E+1	3.58E+0	2.67E+1	1.60E+1	2.50E+0
JD292	413209	Other civil engineering and construction	その他の土木建設	4.59E+1	3.46E+0	3.27E+1	9.77E+0	1.73E+0
JD293	5111001	Electricity	事業用電力	4.73E+2	4.17E+2	2.72E+1	2.79E+1	6.54E-1
JD294	511104	On-site power generation	自家発電	8.02E+2	7.36E+2	2.92E+1	3.63E+1	5.13E-1
JD295	512101	Gas supply	都市ガス	8.24E+1	3.72E+0	1.92E+1	5.94E+1	9.60E+0
JD296	512201	Steam and hot water supply	熱供給業	2.51E+2	1.62E+2	7.18E+1	1.79E+1	8.56E-1
JD297	521101	Water supply	上水道・簡易水道	2.11E+1	1.23E+0	1.61E+1	3.80E+0	1.45E+0
JD298	521102	Industrial water supply	工業用水	2.45E+1	1.03E+0	2.05E+1	3.01E+0	1.07E+0
JD299	521103	Sewage disposal **	下水道★	1.43E+2	5.19E+1	7.52E+1	1.60E+1	1.17E+0
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★	5.89E+1	1.31E+1	3.85E+1	7.28E+0	1.26E+0
JD301	521202	Waste management services (private)	廃棄物処理(産業)	3.49E+1	1.00E+1	2.02E+1	4.70E+0	1.36E+0
JD302	611101	Wholesale trade	卸売	1.64E+1	1.26E+0	1.13E+1	3.85E+0	4.40E+0
JD303	611201	Retail trade	小売	3.36E+1	5.27E+0	2.41E+1	4.25E+0	1.36E+0
JD304	621101	Financial service	金融	9.54E+0	2.93E-1	7.12E+0	2.13E+0	2.26E+0
JD305	621201	Life insurance	生命保険	1.18E+1	5.98E-1	8.42E+0	2.83E+0	2.13E+0
JD306	621202	Non-life insurance	損害保険	1.03E+1	5.81E-1	7.72E+0	1.98E+0	1.78E+0
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	1.72E+1	1.06E+0	1.34E+1	2.71E+0	1.36E+0
JD308	641102	Real estate rental service	不動産賃貸業	1.62E+1	2.21E+0	1.23E+1	1.73E+0	1.12E+0
JD309	642101	House rent	住宅賃貸料	7.18E+0	9.72E-1	4.49E+0	1.71E+0	1.99E+0
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	2.90E+0	0.00E+0	2.08E+0	8.21E-1	2.16E+0
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	4.17E+1	2.12E+0	3.39E+1	5.62E+0	1.19E+0
JD312	711201	Railway transport (freight)	鉄道貨物輸送	6.85E+1	9.78E+0	5.11E+1	7.62E+0	1.13E+0
JD313	712101	Bus transport service	バス	4.44E+1	2.81E+1	8.93E+0	7.44E+0	2.66E+0
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	5.03E+1	3.60E+1	5.58E+0	8.72E+0	2.72E+0
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	5.37E+1	3.43E+1	1.18E+1	7.52E+0	2.63E+0
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	1.65E+2	1.11E+2	2.73E+1	2.73E+1	3.38E+0
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	1.58E+2	1.07E+2	2.65E+1	2.44E+1	3.06E+0
JD318	714101	Ocean transport	外洋輸送	2.99E+2	1.92E+2	8.28E+0	9.82E+1	1.14E+1
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	1.79E+2	1.48E+2	1.66E+1	1.39E+1	1.30E+0
JD320	714301	Harbor transport service	港湾輸送	2.37E+1	1.19E+1	8.39E+0	3.37E+0	1.71E+0
JD321	715101	Air transport	航空輸送	1.67E+2	1.30E+2	1.32E+1	2.45E+1	1.72E+0
JD322	716101	Consigned freight forwarding	貨物利用運送	2.17E+1	7.77E+0	1.02E+1	3.75E+0	2.07E+0
JD323	717101	Storage facility service	倉庫	3.55E+1	1.01E+0	3.07E+1	3.83E+0	9.74E-1
JD324	718101	Packing service	こん包	3.31E+1	1.17E+0	2.41E+1	7.82E+0	1.76E+0
JD325	718901	Facility service for road transport	道路輸送施設提供	2.02E+1	1.14E+0	1.63E+1	2.79E+0	1.17E+0
JD326	718902	Port and water traffic control **	水運施設管理★	2.46E+1	9.26E+0	1.09E+1	4.46E+0	1.66E+0
JD327	718903	Services relating to water transport	その他の水運付帯サービス	9.28E+0	2.15E+0	5.26E+0	1.88E+0	1.83E+0
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★	3.03E+1	1.39E+0	2.40E+1	4.92E+0	1.38E+0
JD329	718905	Airport and air traffic control	航空施設管理(産業)	3.95E+1	6.73E+0	2.76E+1	5.21E+0	1.17E+0
JD330	718906	Services relating to air transport	その他の航空付帯サービス	1.87E+1	2.37E+0	1.35E+1	2.88E+0	1.36E+0
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	1.35E+1	7.62E-1	9.53E+0	3.22E+0	2.32E+0
JD332	731101	Postal service*	郵便・信書便	1.67E+1	2.18E+0	1.19E+1	2.61E+0	2.17E+0
JD333	731201	Fixed telecommunication	固定電気通信	1.63E+1	8.24E-1	1.23E+1	3.20E+0	1.89E+0
JD334	731202	Mobile telecommunication	移動電気通信	1.17E+1	8.96E-1	8.13E+0	2.63E+0	1.89E+0
JD335	731203	Other telecommunication	その他の電気通信	2.12E+1	8.67E-1	1.62E+1	4.17E+0	1.71E+0
JD336	731909	Other services relating to communication	その他の通信サービス	2.03E+1	2.06E+0	1.49E+1	3.39E+0	1.42E+0
JD337	732101	Public broadcasting	公共放送	2.20E+1	7.98E-1	1.70E+1	4.22E+0	1.87E+0
JD338	732102	Private broadcasting	民間放送	1.93E+1	1.56E+0	1.20E+1	5.82E+0	3.41E+0
JD339	732103	Cable broadcasting	有線放送	1.72E+1	1.19E+0	1.19E+1	4.06E+0	2.02E+0
JD340	733101	Information services	情報サービス	1.45E+1	4.38E-1	1.13E+1	2.77E+0	1.80E+0
JD341	734101	Internet based services	インターネット附随サービス	1.95E+1	5.73E-1	1.49E+1	4.04E+0	1.78E+0
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	2.67E+1	2.48E+0	1.34E+1	1.09E+1	7.04E+0
JD343	735102	Newspaper	新聞	5.62E+1	3.16E-1	4.44E+1	1.14E+1	1.66E+0
JD344	735103	Publication	出版	4.38E+1	2.96E-1	3.69E+1	6.58E+0	1.28E+0
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	1.38E+1	1.25E-1	1.03E+1	3.32E+0	2.54E+0
JD346	811101	Public administration (central) **	公務(中央)★	2.32E+1	3.40E+0	1.31E+1	6.63E+0	2.84E+0
JD347	811201	Public administration (local) **	公務(地方)★	1.88E+1	4.69E+0	1.15E+1	2.63E+0	1.57E+0
JD348	821101	School education (public) **	学校教育(国公立)★	1.05E+1	1.76E+0	7.43E+0	1.28E+0	1.26E+0
JD349	821102	School education (private) *	学校教育(私立)★	1.86E+1	3.37E+0	1.16E+1	3.62E+0	1.69E+0
JD350	821301	Social education (public) **	社会教育(国公立)★	2.93E+1	3.90E+0	2.10E+1	4.40E+0	1.29E+0
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	4.32E+1	2.92E+0	3.27E+1	7.62E+0	1.47E+0
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★	6.72E+1	3.03E+1	2.81E+1	8.77E+0	1.59E+0
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	3.74E+1	2.13E+1	1.11E+1	4.99E+0	1.92E+0

Table A1: Embodied global energy intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global energy intensities based on producer price in 2005				
				Total	(D) Direct consumptions in Japan during	(S) Induced consumptions in Japan through supply	(F) Induced consumptions in foreign country's	Coefficient of variance of the intensity
				GJ-NCV/M-JPY	GJ-NCV/M-JPY	GJ-NCV/M-JPY	GJ-NCV/M-JPY	%
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	5.41E+1	1.10E+1	3.39E+1	9.25E+0	1.52E+0
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	4.18E+1	1.42E+1	2.03E+1	7.30E+0	1.95E+0
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	3.38E+1	7.95E+0	1.79E+1	8.00E+0	2.39E+0
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	2.14E+1	3.75E+0	1.32E+1	4.45E+0	1.93E+0
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	7.80E+1	2.69E+1	3.95E+1	1.15E+1	1.81E+0
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	2.06E+1	3.86E+0	1.25E+1	4.23E+0	1.82E+0
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	3.76E+1	6.07E+0	2.47E+1	6.86E+0	1.59E+0
JD361	831101	Medical service (public)	医療(国公立)	2.82E+1	4.99E+0	1.66E+1	6.64E+0	1.91E+0
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	2.28E+1	3.72E+0	1.38E+1	5.34E+0	1.93E+0
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	2.35E+1	3.00E+0	1.46E+1	5.91E+0	2.03E+0
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	2.13E+1	5.53E+0	1.19E+1	3.88E+0	1.62E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	2.63E+1	4.18E+0	1.74E+1	4.69E+0	1.52E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	2.32E+1	2.38E+0	1.75E+1	3.32E+0	1.25E+0
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	2.73E+1	3.27E+0	2.05E+1	3.48E+0	1.15E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	1.98E+1	3.49E+0	1.23E+1	4.02E+0	1.66E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	1.88E+1	2.63E+0	1.21E+1	4.05E+0	1.74E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	2.11E+1	4.29E+0	1.26E+1	4.22E+0	1.72E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	1.73E+1	2.46E+0	1.12E+1	3.66E+0	1.77E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	2.06E+1	4.01E+0	1.25E+1	4.13E+0	1.71E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	2.52E+1	5.81E+0	1.40E+1	5.42E+0	2.00E+0
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	1.73E+1	3.41E+0	1.05E+1	3.40E+0	1.86E+0
JD375	851101	Advertising services	広告	2.65E+1	1.36E+0	1.93E+1	5.87E+0	2.07E+0
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	1.17E+1	4.45E-1	7.63E+0	3.63E+0	2.57E+0
JD377	851301	Car rental and leasing	貸自動車業	1.42E+1	3.84E+0	7.04E+0	3.32E+0	2.52E+0
JD378	851410	Repair of motor vehicles	自動車修理	3.38E+1	8.45E-1	2.33E+1	9.56E+0	2.24E+0
JD379	851510	Repair of machine	機械修理	3.95E+1	5.33E-1	2.61E+1	1.29E+1	2.45E+0
JD380	851901	Building maintenance services	建物サービス	1.12E+1	1.48E+0	7.15E+0	2.54E+0	2.20E+0
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	8.87E+0	1.99E+0	5.21E+0	1.67E+0	1.96E+0
JD382	851903	Civil engineering and construction services	土木建築サービス	1.88E+1	3.27E+0	1.20E+1	3.54E+0	1.65E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	2.13E+0	2.47E-1	1.47E+0	4.10E-1	1.77E+0
JD384	851909	Other business services	その他の対事業所サービス	9.71E+0	5.38E-1	7.15E+0	2.03E+0	1.97E+0
JD385	861101	Movie theaters	映画館	4.55E+1	7.54E+0	2.84E+1	9.57E+0	3.09E+0
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	1.80E+1	9.41E-1	1.25E+1	4.50E+0	2.71E+0
JD387	861103	Amusement and recreation facilities	遊戯場	3.96E+1	8.07E+0	2.61E+1	5.47E+0	1.41E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	2.09E+1	2.95E+0	1.45E+1	3.50E+0	1.70E+0
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	2.38E+1	4.18E+0	1.51E+1	4.47E+0	1.82E+0
JD390	861109	Other amusement and recreation services	その他の娯楽	2.61E+1	3.76E+0	1.83E+1	4.08E+0	1.92E+0
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	3.67E+1	5.37E+0	2.05E+1	1.08E+1	2.31E+0
JD392	861202	Coffee shops	喫茶店	3.86E+1	7.97E+0	2.09E+1	9.72E+0	1.95E+0
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	2.91E+1	5.54E+0	1.60E+1	7.57E+0	2.05E+0
JD394	861301	Hotels	宿泊業	4.02E+1	6.77E+0	2.44E+1	9.02E+0	1.92E+0
JD395	861401	Cleaning	洗濯業	3.11E+1	1.09E+1	1.61E+1	4.18E+0	1.58E+0
JD396	861402	Barber shops	理容業	1.98E+1	8.85E+0	7.49E+0	3.46E+0	1.77E+0
JD397	861403	Beauty shops	美容業	1.67E+1	4.94E+0	8.41E+0	3.36E+0	1.81E+0
JD398	861404	Public baths	浴場業	7.29E+1	3.69E+1	2.86E+1	7.34E+0	1.30E+0
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	2.46E+1	7.24E+0	1.25E+1	4.88E+0	1.83E+0
JD400	861901	Photographic studios	写真業	1.92E+1	1.20E+0	1.33E+1	4.63E+0	2.20E+0
JD401	861902	Ceremonial occasions	冠婚葬祭業	3.78E+1	9.21E+0	2.24E+1	6.13E+0	1.70E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	2.80E+1	4.77E+0	1.77E+1	5.49E+0	1.91E+0
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	1.79E+1	1.94E+0	1.33E+1	2.69E+0	1.53E+0
JD404	861909	Other personal services	その他の対個人サービス	1.67E+1	3.25E+0	9.97E+0	3.49E+0	2.14E+0
JD405	890000	Office supplies	事務用品	7.85E+1	0.00E+0	5.70E+1	2.15E+1	2.15E+0
JD406	900000	Activities not elsewhere classified	分類不明	4.22E+1	7.07E+0	2.69E+1	8.24E+0	1.97E+0







Table A2: Embodied global GHG intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global GHG intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	8.25E+0	1.78E+0	2.08E+0	4.39E+0	4.45E+0
JD185	272204	Nuclear fuels	核燃料	4.02E+0	1.45E-1	8.75E-1	3.00E+0	6.83E+0
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	1.00E+1	3.38E-1	1.40E+0	8.27E+0	7.38E+0
JD187	281101	Metal products for construction	建設用金属製品	8.74E+0	1.49E-1	6.67E+0	1.92E+0	1.93E+0
JD188	281201	Metal products for architecture	建築用金属製品	6.32E+0	2.69E-1	3.18E+0	2.87E+0	5.49E+0
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	6.87E+0	1.89E-1	4.63E+0	2.05E+0	2.87E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	7.26E+0	2.63E-1	4.71E+0	2.29E+0	5.29E+0
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	6.50E+0	3.88E-1	4.44E+0	1.67E+0	3.34E+0
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末冶金製品・道具類	5.50E+0	2.88E-1	2.89E+0	2.32E+0	4.27E+0
JD193	289909	Other metal products	その他の金属製品	5.83E+0	3.04E-1	3.48E+0	2.05E+0	4.05E+0
JD194	301101	Boilers	ボイラ	3.22E+0	1.64E-1	2.15E+0	9.07E-1	2.62E+0
JD195	301102	Turbines	タービン	4.28E+0	1.89E-1	2.82E+0	1.27E+0	2.85E+0
JD196	301103	Engines	原動機	5.11E+0	1.35E-1	3.48E+0	1.50E+0	2.58E+0
JD197	301201	Conveyors	運搬機械	4.59E+0	5.85E-2	2.80E+0	1.73E+0	3.41E+0
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	7.19E+0	3.08E+0	2.48E+0	1.63E+0	1.90E+0
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	4.96E+0	8.05E-2	3.33E+0	1.55E+0	2.68E+0
JD200	301902	Machinists' precision tools	機械工具	4.65E+0	1.05E-1	2.82E+0	1.72E+0	3.94E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	4.73E+0	1.38E-1	3.29E+0	1.31E+0	2.39E+0
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	4.53E+0	1.19E-1	3.11E+0	1.30E+0	2.61E+0
JD203	302201	Chemical machinery	化学機械	3.44E+0	6.12E-2	2.38E+0	9.93E-1	2.57E+0
JD204	302301	Industrial robots	産業用ロボット	3.84E+0	5.37E-2	2.52E+0	1.26E+0	3.14E+0
JD205	302401	Metal machine tools	金属工作機械	3.70E+0	3.23E-2	2.63E+0	1.04E+0	2.66E+0
JD206	302402	Metal processing machinery	金属加工機械	4.42E+0	6.85E-2	3.31E+0	1.05E+0	2.21E+0
JD207	302901	Machinery for agricultural use	農業用機械	4.29E+0	1.62E-1	3.07E+0	1.06E+0	2.19E+0
JD208	302902	Textile machinery	繊維機械	4.25E+0	1.12E-1	2.71E+0	1.43E+0	3.05E+0
JD209	302903	Food processing machinery and equipment	食品機械・同装置	5.04E+0	6.53E-2	3.63E+0	1.34E+0	2.44E+0
JD210	302904	Semiconductor making equipment	半導体製造装置	3.28E+0	4.58E-2	2.19E+0	1.05E+0	3.18E+0
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	4.43E+0	1.04E-1	3.07E+0	1.26E+0	2.44E+0
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	3.99E+0	8.49E-2	2.62E+0	1.29E+0	3.00E+0
JD213	303101	Metal molds	金型	4.37E+0	9.68E-2	3.28E+0	1.00E+0	1.97E+0
JD214	303102	Bearings	ベアリング	6.87E+0	1.99E-1	5.26E+0	1.42E+0	1.77E+0
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	4.61E+0	1.60E-1	2.96E+0	1.49E+0	2.68E+0
JD216	311101	Copy machine	複写機	3.82E+0	7.00E-2	2.06E+0	1.68E+0	5.09E+0
JD217	311109	Other office machines	その他の事務用機械	3.20E+0	4.30E-2	1.77E+0	1.39E+0	4.96E+0
JD218	311201	Machinery for service industry	サービス用機器	3.87E+0	7.67E-2	2.39E+0	1.40E+0	3.81E+0
JD219	321101	Rotating electrical equipment	回転電気機械	5.37E+0	1.47E-1	3.17E+0	2.05E+0	3.26E+0
JD220	321102	Transformers and reactors	変圧器・変成器	5.26E+0	1.22E-1	2.74E+0	2.40E+0	3.98E+0
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	4.46E+0	5.52E-1	2.34E+0	1.57E+0	3.14E+0
JD222	321104	Wiring devices and supplies	配線器具	3.77E+0	9.96E-2	1.83E+0	1.84E+0	4.11E+0
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	3.88E+0	6.86E-2	2.40E+0	1.41E+0	3.18E+0
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	4.01E+0	7.81E-2	2.20E+0	1.74E+0	3.73E+0
JD225	322101	Applied electronic equipment	電子応用装置	3.01E+0	1.55E-2	1.38E+0	1.62E+0	6.95E+0
JD226	323101	Electric measuring instruments	電気計測器	2.74E+0	3.05E-2	1.33E+0	1.39E+0	6.32E+0
JD227	324101	Electric bulbs	電球類	3.22E+0	3.10E-1	1.83E+0	1.09E+0	3.35E+0
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	3.71E+0	1.51E-1	2.03E+0	1.53E+0	4.13E+0
JD229	324103	Batteries	電池	5.82E+0	1.95E-1	2.65E+0	2.98E+0	4.13E+0
JD230	324109	Other electrical devices and parts	その他の電気機械器具	5.56E+0	3.85E-1	1.64E+0	3.53E+0	5.31E+0
JD231	325101	Household air-conditioners	民生用エアコンディショナ	4.12E+0	2.58E-1	2.32E+0	1.54E+0	3.83E+0
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	3.85E+0	3.15E-2	2.17E+0	1.65E+0	4.02E+0
JD233	331101	Video recording and playback equipment	ビデオ機器	3.83E+0	6.15E-3	1.87E+0	1.96E+0	5.71E+0
JD234	331102	Electric audio equipment	電気音響機器	3.50E+0	5.83E-2	1.78E+0	1.67E+0	5.34E+0
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	3.53E+0	2.91E-2	1.98E+0	1.52E+0	4.90E+0
JD236	332101	Wired communication equipment	有線電気通信機器	3.29E+0	6.39E-2	1.56E+0	1.66E+0	5.14E+0
JD237	332102	Cellular phones	携帯電話機	3.32E+0	6.07E-2	1.56E+0	1.70E+0	5.81E+0
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	3.42E+0	6.17E-2	1.49E+0	1.87E+0	5.69E+0
JD239	332109	Other communication equipment	その他の電気通信機器	2.97E+0	9.04E-2	1.57E+0	1.31E+0	4.52E+0
JD240	333101	Personal Computers	パーソナルコンピュータ	3.50E+0	2.08E-2	1.38E+0	2.10E+0	7.74E+0
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	2.93E+0	2.29E-2	1.17E+0	1.74E+0	7.78E+0
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	3.23E+0	1.51E-2	1.56E+0	1.66E+0	6.48E+0
JD243	341101	Semiconductor devices	半導体素子	8.69E+0	5.92E+0	1.63E+0	1.14E+0	1.10E+0
JD244	341102	Integrated circuits	集積回路	4.28E+0	5.58E-1	2.21E+0	1.50E+0	3.55E+0
JD245	342101	Electron tubes	電子管	5.93E+0	4.10E-1	2.59E+0	2.94E+0	5.53E+0
JD246	342102	Liquid crystal element	液晶素子	4.49E+0	9.10E-1	1.83E+0	1.75E+0	5.16E+0
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	5.29E+0	1.00E+0	3.01E+0	1.28E+0	2.46E+0
JD248	342109	Other electronic components	その他の電子部品	4.08E+0	1.29E-1	2.06E+0	1.89E+0	4.19E+0
JD249	351101	Passenger motor cars	乗用車	4.44E+0	6.09E-2	2.91E+0	1.46E+0	3.06E+0
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	4.53E+0	1.26E-1	2.91E+0	1.50E+0	3.05E+0
JD251	353101	Two-wheel motor vehicles	二輪自動車	3.97E+0	7.74E-2	2.41E+0	1.48E+0	3.32E+0
JD252	354101	Motor vehicle bodies	自動車車体	6.05E+0	1.92E-1	4.07E+0	1.78E+0	3.77E+0
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	4.96E+0	2.54E-1	2.96E+0	1.75E+0	2.83E+0
JD254	354103	Motor vehicle parts and accessories	自動車部品	4.72E+0	1.92E-1	3.02E+0	1.51E+0	2.87E+0
JD255	361101	Steel ships	鋼船	8.09E+0	9.38E-2	6.19E+0	1.81E+0	2.18E+0
JD256	361102	Ships (except steel ships)	その他の船舶	3.58E+0	8.46E-2	2.52E+0	9.75E-1	2.48E+0
JD257	361103	Internal combustion engines for vessels	船用内燃機関	6.29E+0	1.03E+0	4.01E+0	1.25E+0	1.75E+0
JD258	361110	Repair of ships	船舶修理	4.43E+0	4.53E-2	3.24E+0	1.15E+0	2.55E+0
JD259	362101	Rolling stock	鉄道車両	5.45E+0	1.66E-1	3.79E+0	1.50E+0	2.34E+0
JD260	362110	Repair of rolling stock	鉄道車両修理	7.82E+0	1.88E+0	4.19E+0	1.75E+0	1.97E+0
JD261	362201	Aircrafts	航空機	3.16E+0	4.92E-1	1.34E+0	1.33E+0	5.73E+0
JD262	362210	Repair of aircrafts	航空機修理	2.86E+0	2.08E-1	6.73E-1	1.98E+0	1.66E+1
JD263	362901	Bicycles	自転車	6.54E+0	1.07E+0	2.65E+0	2.82E+0	4.03E+0
JD264	362909	Other transport equipment	その他の輸送機械	4.95E+0	2.44E-1	3.44E+0	1.26E+0	2.20E+0
JD265	371101	Camera	カメラ	3.00E+0	9.50E-2	1.59E+0	1.31E+0	4.75E+0
JD266	371109	Other photographic and optical instruments	その他の光学機械	3.75E+0	1.23E-1	2.06E+0	1.56E+0	4.11E+0



Table A2: Embodied global GHG intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global GHG intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	2.73E+0	1.54E+0	7.64E-1	4.25E-1	2.26E+0
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	3.71E+0	7.02E-1	2.17E+0	8.39E-1	2.37E+0
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	2.93E+0	9.74E-1	1.34E+0	6.16E-1	2.52E+0
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	2.57E+0	5.44E-1	1.31E+0	7.23E-1	3.22E+0
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	1.54E+0	2.35E-1	9.41E-1	3.64E-1	2.59E+0
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	5.50E+0	1.97E+0	2.52E+0	1.01E+0	2.30E+0
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	1.40E+0	2.20E-1	8.30E-1	3.47E-1	2.73E+0
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	2.63E+0	4.45E-1	1.59E+0	5.93E-1	2.29E+0
JD361	831101	Medical service (public)	医療(国公立)	2.20E+0	3.49E-1	1.18E+0	6.81E-1	3.51E+0
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	1.80E+0	2.72E-1	9.80E-1	5.53E-1	3.55E+0
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	1.87E+0	2.19E-1	1.03E+0	6.22E-1	3.93E+0
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	1.60E+0	3.95E-1	8.56E-1	3.46E-1	2.16E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	2.01E+0	3.08E-1	1.28E+0	4.26E-1	2.10E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	1.55E+0	1.40E-1	1.13E+0	2.80E-1	1.84E+0
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	1.80E+0	1.93E-1	1.32E+0	2.90E-1	1.72E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	1.49E+0	2.32E-1	8.74E-1	3.87E-1	2.53E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	1.45E+0	1.69E-1	8.81E-1	3.99E-1	2.62E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	1.60E+0	2.87E-1	9.03E-1	4.09E-1	2.47E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	1.34E+0	1.59E-1	8.19E-1	3.61E-1	2.66E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	1.60E+0	2.65E-1	9.12E-1	4.23E-1	2.65E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	1.84E+0	4.13E-1	9.56E-1	4.67E-1	2.73E+0
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	1.23E+0	2.36E-1	7.03E-1	2.93E-1	2.62E+0
JD375	851101	Advertising services	広告	1.86E+0	9.86E-2	1.25E+0	5.09E-1	3.29E+0
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	8.92E-1	3.29E-2	5.43E-1	3.16E-1	3.73E+0
JD377	851301	Car rental and leasing	貸自動車業	1.04E+0	2.73E-1	4.84E-1	2.83E-1	3.43E+0
JD378	851410	Repair of motor vehicles	自動車修理	2.65E+0	5.73E-2	1.73E+0	8.61E-1	3.06E+0
JD379	851510	Repair of machine	機械修理	3.18E+0	3.81E-2	1.93E+0	1.22E+0	3.58E+0
JD380	851901	Building maintenance services	建物サービス	8.31E-1	1.06E-1	5.06E-1	2.19E-1	3.18E+0
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	6.40E-1	1.44E-1	3.52E-1	1.44E-1	2.72E+0
JD382	851903	Civil engineering and construction services	土木建築サービス	1.30E+0	2.32E-1	7.68E-1	2.96E-1	2.39E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	1.48E-1	1.63E-2	9.62E-2	3.54E-2	2.68E+0
JD384	851909	Other business services	その他の対事業所サービス	6.92E-1	3.81E-2	4.78E-1	1.76E-1	2.93E+0
JD385	861101	Movie theaters	映画館	3.25E+0	5.03E-1	1.88E+0	8.73E-1	4.98E+0
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	1.45E+0	6.52E-2	9.19E-1	4.70E-1	4.33E+0
JD387	861103	Amusement and recreation facilities	遊戯場	2.76E+0	5.76E-1	1.71E+0	4.73E-1	1.87E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	1.66E+0	2.10E-1	1.01E+0	4.38E-1	3.13E+0
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	1.76E+0	2.96E-1	1.07E+0	3.97E-1	2.44E+0
JD390	861109	Other amusement and recreation services	その他の娯楽	1.91E+0	2.56E-1	1.31E+0	3.46E-1	2.32E+0
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	3.30E+0	3.30E-1	1.65E+0	1.33E+0	4.36E+0
JD392	861202	Coffee shops	喫茶店	3.19E+0	4.81E-1	1.62E+0	1.09E+0	3.49E+0
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	2.47E+0	3.41E-1	1.23E+0	8.94E-1	3.86E+0
JD394	861301	Hotels	宿泊業	3.24E+0	4.16E-1	1.88E+0	9.41E-1	3.14E+0
JD395	861401	Cleaning	洗濯業	2.30E+0	7.60E-1	1.19E+0	3.55E-1	1.89E+0
JD396	861402	Barber shops	理容業	1.39E+0	5.94E-1	5.14E-1	2.82E-1	2.25E+0
JD397	861403	Beauty shops	美容業	1.21E+0	3.31E-1	5.92E-1	2.89E-1	2.44E+0
JD398	861404	Public baths	浴場業	5.02E+0	2.54E+0	1.87E+0	6.03E-1	1.61E+0
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	1.83E+0	4.93E-1	9.21E-1	4.19E-1	2.43E+0
JD400	861901	Photographic studios	写真業	1.46E+0	8.35E-2	9.55E-1	4.20E-1	3.05E+0
JD401	861902	Ceremonial occasions	冠婚葬祭業	2.78E+0	6.22E-1	1.61E+0	5.52E-1	2.20E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	2.19E+0	3.38E-1	1.37E+0	4.77E-1	2.28E+0
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	1.25E+0	1.29E-1	8.90E-1	2.33E-1	2.08E+0
JD404	861909	Other personal services	その他の対個人サービス	1.29E+0	2.28E-1	7.57E-1	3.00E-1	2.63E+0
JD405	890000	Office supplies	事務用品	5.40E+0	0.00E+0	3.58E+0	1.82E+0	3.09E+0
JD406	900000	Activities not elsewhere classified	分類不明	3.29E+0	5.37E-1	2.03E+0	7.19E-1	2.42E+0





Table A3: Embodied global CO<sub>2</sub> intensities of Japanese goods and services based on the producer's price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global CO <sub>2</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> /M-JPY	tCO <sub>2</sub> /M-JPY	tCO <sub>2</sub> /M-JPY	tCO <sub>2</sub> /M-JPY	%
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	7.16E+0	8.32E-1	2.05E+0	4.28E+0	5.79E+0
JD185	272204	Nuclear fuels	核燃料	3.92E+0	1.44E-1	8.62E-1	2.91E+0	8.13E+0
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	9.80E+0	3.36E-1	1.40E+0	8.07E+0	8.71E+0
JD187	281101	Metal products for construction	建設用金属製品	8.55E+0	1.48E-1	6.62E+0	1.78E+0	1.88E+0
JD188	281201	Metal products for architecture	建築用金属製品	6.19E+0	2.67E-1	3.15E+0	2.77E+0	5.49E+0
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	6.64E+0	1.88E-1	4.52E+0	1.93E+0	2.88E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	7.12E+0	2.61E-1	4.68E+0	2.18E+0	4.98E+0
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	6.35E+0	3.85E-1	4.40E+0	1.56E+0	3.18E+0
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末冶金製品・道具類	5.38E+0	2.86E-1	2.86E+0	2.23E+0	4.28E+0
JD193	289909	Other metal products	その他の金属製品	5.71E+0	3.02E-1	3.45E+0	1.96E+0	3.93E+0
JD194	301101	Boilers	ボイラ	3.14E+0	1.63E-1	2.12E+0	8.50E-1	2.59E+0
JD195	301102	Turbines	タービン	4.16E+0	1.87E-1	2.79E+0	1.18E+0	2.69E+0
JD196	301103	Engines	原動機	4.96E+0	1.34E-1	3.42E+0	1.41E+0	2.58E+0
JD197	301201	Conveyors	運搬機械	4.46E+0	5.80E-2	2.76E+0	1.64E+0	3.44E+0
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	3.71E+0	8.48E-2	2.09E+0	1.53E+0	3.64E+0
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	4.81E+0	7.99E-2	3.27E+0	1.46E+0	2.70E+0
JD200	301902	Machinists' precision tools	機械工具	4.54E+0	1.04E-1	2.77E+0	1.66E+0	3.97E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	4.61E+0	1.37E-1	3.24E+0	1.23E+0	2.38E+0
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	4.40E+0	1.18E-1	3.07E+0	1.21E+0	2.56E+0
JD203	302201	Chemical machinery	化学機械	3.33E+0	6.08E-2	2.35E+0	9.24E-1	2.53E+0
JD204	302301	Industrial robots	産業用ロボット	3.67E+0	5.33E-2	2.45E+0	1.16E+0	3.07E+0
JD205	302401	Metal machine tools	金属工作機械	3.58E+0	3.20E-2	2.58E+0	9.64E-1	2.61E+0
JD206	302402	Metal processing machinery	金属加工機械	4.30E+0	6.78E-2	3.26E+0	9.69E-1	2.15E+0
JD207	302901	Machinery for agricultural use	農業用機械	4.16E+0	1.61E-1	3.03E+0	9.77E-1	2.14E+0
JD208	302902	Textile machinery	繊維機械	4.12E+0	1.12E-1	2.65E+0	1.36E+0	3.06E+0
JD209	302903	Food processing machinery and equipment	食品機械・同装置	4.90E+0	6.49E-2	3.59E+0	1.25E+0	2.36E+0
JD210	302904	Semiconductor making equipment	半導体製造装置	3.14E+0	4.55E-2	2.12E+0	9.72E-1	3.07E+0
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	4.29E+0	1.03E-1	3.01E+0	1.18E+0	2.44E+0
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	3.87E+0	8.43E-2	2.57E+0	1.21E+0	2.94E+0
JD213	303101	Metal molds	金型	4.26E+0	9.61E-2	3.24E+0	9.29E-1	1.95E+0
JD214	303102	Bearings	ベアリング	6.71E+0	1.97E-1	5.22E+0	1.30E+0	1.71E+0
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	4.46E+0	1.54E-1	2.89E+0	1.42E+0	2.81E+0
JD216	311101	Copy machine	複写機	3.54E+0	6.95E-2	1.97E+0	1.50E+0	4.84E+0
JD217	311109	Other office machines	その他の事務用機械	2.97E+0	4.27E-2	1.68E+0	1.25E+0	4.78E+0
JD218	311201	Machinery for service industry	サービス用機器	3.50E+0	5.76E-2	2.16E+0	1.27E+0	3.86E+0
JD219	321101	Rotating electrical equipment	回転電気機械	5.17E+0	1.46E-1	3.08E+0	1.94E+0	3.37E+0
JD220	321102	Transformers and reactors	変圧器・変成器	5.04E+0	1.66E-2	2.70E+0	2.32E+0	4.25E+0
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	3.77E+0	6.62E-2	2.25E+0	1.46E+0	3.56E+0
JD222	321104	Wiring devices and supplies	配線器具	3.59E+0	9.88E-2	1.81E+0	1.69E+0	4.05E+0
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	3.72E+0	6.81E-2	2.34E+0	1.32E+0	3.22E+0
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	3.81E+0	7.74E-2	2.11E+0	1.62E+0	3.81E+0
JD225	322101	Applied electronic equipment	電子応用装置	2.69E+0	1.54E-2	1.30E+0	1.38E+0	6.43E+0
JD226	323101	Electric measuring instruments	電気計測器	2.48E+0	3.02E-2	1.27E+0	1.18E+0	5.79E+0
JD227	324101	Electric bulbs	電球類	3.04E+0	3.07E-1	1.80E+0	9.32E-1	2.99E+0
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	3.48E+0	1.49E-1	1.97E+0	1.35E+0	3.70E+0
JD229	324103	Batteries	電池	5.64E+0	1.93E-1	2.60E+0	2.85E+0	4.39E+0
JD230	324109	Other electrical devices and parts	その他の電気機械器具	5.41E+0	3.82E-1	1.61E+0	3.41E+0	6.03E+0
JD231	325101	Household air-conditioners	民生用エアコンディショナ	3.53E+0	6.45E-2	2.06E+0	1.40E+0	4.09E+0
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器 (除エアコン)	3.59E+0	3.13E-2	2.04E+0	1.51E+0	4.06E+0
JD233	331101	Video recording and playback equipment	ビデオ機器	3.53E+0	6.10E-3	1.76E+0	1.77E+0	5.55E+0
JD234	331102	Electric audio equipment	電気音響機器	3.25E+0	5.79E-2	1.70E+0	1.50E+0	5.12E+0
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	3.13E+0	2.89E-2	1.75E+0	1.35E+0	4.89E+0
JD236	332101	Wired communication equipment	有線電気通信機器	3.09E+0	6.34E-2	1.50E+0	1.53E+0	5.07E+0
JD237	332102	Cellular phones	携帯電話機	3.01E+0	6.02E-2	1.42E+0	1.53E+0	5.71E+0
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器 (除携帯電話機)	3.16E+0	6.12E-2	1.39E+0	1.71E+0	5.68E+0
JD239	332109	Other communication equipment	その他の電気通信機器	2.76E+0	8.97E-2	1.49E+0	1.18E+0	4.42E+0
JD240	333101	Personal Computers	パーソナルコンピュータ	3.15E+0	2.06E-2	1.27E+0	1.86E+0	7.47E+0
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体 (除パソコン)	2.65E+0	2.27E-2	1.11E+0	1.52E+0	7.40E+0
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	2.91E+0	1.50E-2	1.44E+0	1.46E+0	6.27E+0
JD243	341101	Semiconductor devices	半導体素子	3.03E+0	3.78E-1	1.61E+0	1.05E+0	3.02E+0
JD244	341102	Integrated circuits	集積回路	3.72E+0	2.43E-1	2.14E+0	1.34E+0	3.64E+0
JD245	342101	Electron tubes	電子管	5.86E+0	4.06E-1	2.56E+0	2.89E+0	6.05E+0
JD246	342102	Liquid crystal element	液晶素子	3.29E+0	8.91E-2	1.69E+0	1.51E+0	5.96E+0
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	5.09E+0	9.92E-1	2.95E+0	1.15E+0	2.34E+0
JD248	342109	Other electronic components	その他の電子部品	3.88E+0	1.21E-1	2.00E+0	1.76E+0	4.18E+0
JD249	351101	Passenger motor cars	乗用車	4.27E+0	6.03E-2	2.83E+0	1.37E+0	3.05E+0
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	4.35E+0	1.25E-1	2.83E+0	1.40E+0	3.03E+0
JD251	353101	Two-wheel motor vehicles	二輪自動車	3.81E+0	7.68E-2	2.35E+0	1.39E+0	3.31E+0
JD252	354101	Motor vehicle bodies	自動車車体	5.85E+0	1.90E-1	3.99E+0	1.67E+0	3.62E+0
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	4.80E+0	2.52E-1	2.89E+0	1.65E+0	2.94E+0
JD254	354103	Motor vehicle parts and accessories	自動車部品	4.50E+0	1.60E-1	2.93E+0	1.41E+0	2.90E+0
JD255	361101	Steel ships	鋼船	7.88E+0	9.30E-2	6.12E+0	1.67E+0	2.09E+0
JD256	361102	Ships (except steel ships)	その他の船舶	3.44E+0	8.40E-2	2.48E+0	8.82E-1	2.38E+0
JD257	361103	Internal combustion engines for vessels	船用内燃機関	6.12E+0	1.02E+0	3.96E+0	1.14E+0	1.69E+0
JD258	361110	Repair of ships	船舶修理	4.30E+0	4.50E-2	3.19E+0	1.07E+0	2.47E+0
JD259	362101	Rolling stock	鉄道車両	5.26E+0	1.65E-1	3.70E+0	1.40E+0	2.36E+0
JD260	362110	Repair of rolling stock	鉄道車両修理	7.59E+0	1.87E+0	4.12E+0	1.60E+0	1.91E+0
JD261	362201	Aircrafts	航空機	3.04E+0	4.88E-1	1.31E+0	1.25E+0	5.32E+0
JD262	362210	Repair of aircrafts	航空機修理	2.70E+0	2.06E-1	6.62E-1	1.83E+0	1.51E+1
JD263	362901	Bicycles	自転車	6.42E+0	1.06E+0	2.61E+0	2.74E+0	4.18E+0
JD264	362909	Other transport equipment	その他の輸送機械	4.81E+0	2.42E-1	3.40E+0	1.17E+0	2.17E+0
JD265	371101	Camera	カメラ	2.72E+0	9.43E-2	1.45E+0	1.17E+0	4.69E+0
JD266	371109	Other photographic and optical instruments	その他の光学機械	3.64E+0	1.22E-1	2.02E+0	1.50E+0	4.41E+0



Table A3: Embodied global CO<sub>2</sub> intensities of Japanese goods and services based on the producer's price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global CO <sub>2</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
JD267	371201	Watches and clocks	時計	3.43E+0	1.23E-1	1.64E+0	1.67E+0	1.03E+1
JD268	371901	Professional and scientific instruments	理化学機械器具	2.70E+0	1.37E-1	1.87E+0	6.89E-1	2.35E+0
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	2.60E+0	6.75E-2	1.59E+0	9.33E-1	3.54E+0
JD270	371903	Medical instruments	医療用機械器具	2.98E+0	1.79E-1	1.71E+0	1.09E+0	3.37E+0
JD271	391101	Toys and games	がん具	3.65E+0	1.71E-1	1.61E+0	1.87E+0	5.24E+0
JD272	391102	Sporting and athletic goods	運動用品	4.12E+0	1.63E-1	2.64E+0	1.32E+0	3.10E+0
JD273	391901	Musical instruments	楽器	2.94E+0	5.33E-2	1.76E+0	1.13E+0	3.41E+0
JD274	391902	Audio and video records, other information recording media	情報記録物	2.52E+0	4.31E-2	1.75E+0	7.22E-1	2.98E+0
JD275	391903	Stationery	筆記具・文具	3.07E+0	9.32E-2	2.03E+0	9.48E-1	3.27E+0
JD276	391904	Jewelry and adornments	身辺細貨品	4.18E+0	6.92E-2	1.39E+0	2.72E+0	7.97E+0
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	3.22E+0	5.11E-2	8.52E-1	2.32E+0	7.95E+0
JD278	391906	Ordnance	武器	3.70E+0	5.33E-2	2.14E+0	1.51E+0	3.78E+0
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	3.18E+0	5.23E-2	1.98E+0	1.15E+0	3.53E+0
JD280	392101	Reuse and recycling	再生资源回収・加工処理	3.37E+0	4.57E-1	2.56E+0	3.53E-1	1.77E+0
JD281	411101	Residential construction (wooden)	住宅建築(木造)	2.88E+0	5.47E-2	1.75E+0	1.07E+0	3.22E+0
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	3.97E+0	1.22E-1	2.71E+0	1.14E+0	2.57E+0
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	3.04E+0	6.45E-2	1.86E+0	1.11E+0	3.24E+0
JD284	411202	Non-residential construction (non- wooden)	非住宅建築(非木造)	4.11E+0	1.41E-1	2.68E+0	1.29E+0	2.84E+0
JD285	412101	Repair of construction	建設補修	3.61E+0	1.75E-1	2.43E+0	1.01E+0	2.67E+0
JD286	413101	Public construction of roads	道路関係公共事業	4.49E+0	4.55E-1	3.30E+0	7.31E-1	1.71E+0
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	4.30E+0	3.37E-1	3.31E+0	6.57E-1	1.54E+0
JD288	413103	Agricultural public construction	農林関係公共事業	5.05E+0	5.43E-1	3.72E+0	7.83E-1	1.62E+0
JD289	413201	Railway construction	鉄道軌道建設	4.84E+0	2.08E-1	3.72E+0	9.13E-1	1.70E+0
JD290	413202	Electric power facilities construction	電力施設建設	4.51E+0	1.62E-1	2.75E+0	1.60E+0	3.24E+0
JD291	413203	Telecommunication facilities construction	電気通信施設建設	3.80E+0	2.38E-1	2.22E+0	1.34E+0	3.21E+0
JD292	413209	Other civil engineering and construction	その他の土木建設	4.30E+0	2.62E-1	3.25E+0	7.91E-1	1.73E+0
JD293	5111001	Electricity	事業用電力	2.82E+1	2.46E+1	1.76E+0	1.84E+0	8.49E-1
JD294	511104	On-site power generation	自家発電	6.75E+1	6.30E+1	2.07E+0	2.38E+0	4.72E-1
JD295	512101	Gas supply	都市ガス	4.82E+0	2.07E-1	1.40E+0	3.21E+0	1.02E+1
JD296	512201	Steam and hot water supply	熱供給業	1.56E+1	1.01E+1	4.39E+0	1.09E+0	9.55E-1
JD297	521101	Water supply	上水道・簡易水道	1.44E+0	7.44E-2	1.07E+0	3.00E-1	1.99E+0
JD298	521102	Industrial water supply	工業用水	1.58E+0	7.19E-2	1.29E+0	2.21E-1	1.41E+0
JD299	521103	Sewage disposal **	下水道★★	1.01E+1	4.16E+0	4.75E+0	1.17E+0	1.32E+0
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	1.37E+1	1.07E+1	2.43E+0	5.17E-1	4.89E-1
JD301	521202	Waste management services (private)	廃棄物処理(産業)	5.89E+0	4.23E+0	1.32E+0	3.41E-1	7.41E-1
JD302	611101	Wholesale trade	卸売	1.19E+0	8.66E-2	7.75E-1	3.31E-1	8.10E+0
JD303	611201	Retail trade	小売	2.19E+0	3.41E-1	1.54E+0	3.02E-1	1.67E+0
JD304	621101	Financial service	金融	6.60E-1	1.94E-2	4.67E-1	1.74E-1	3.65E+0
JD305	621201	Life insurance	生命保険	8.20E-1	3.81E-2	5.67E-1	2.16E-1	2.98E+0
JD306	621202	Non-life insurance	損害保険	6.96E-1	3.63E-2	5.04E-1	1.56E-1	2.64E+0
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	1.11E+0	6.96E-2	8.45E-1	1.96E-1	1.90E+0
JD308	641102	Real estate rental service	不動産賃貸業	1.03E+0	1.48E-1	7.63E-1	1.22E-1	1.39E+0
JD309	642101	House rent	住宅賃貸料	5.50E-1	6.97E-2	3.46E-1	1.34E-1	2.44E+0
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属賃貸)	2.39E-1	0.00E+0	1.72E-1	6.69E-2	2.70E+0
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	2.90E+0	1.51E-1	2.32E+0	4.26E-1	1.59E+0
JD312	711201	Railway transport (freight)	鉄道貨物輸送	4.66E+0	7.06E-1	3.39E+0	5.62E-1	1.34E+0
JD313	712101	Bus transport service	バス	3.14E+0	2.02E+0	6.00E-1	5.21E-1	2.80E+0
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	3.22E+0	2.32E+0	3.74E-1	5.26E-1	2.71E+0
JD315	712201	Road freight transport(except Self- transport by private cars)	道路貨物輸送(除自家輸送)	3.77E+0	2.47E+0	7.86E-1	5.07E-1	2.70E+0
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	1.15E+1	7.84E+0	1.84E+0	1.83E+0	3.50E+0
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	1.11E+1	7.67E+0	1.79E+0	1.64E+0	3.13E+0
JD318	714101	Ocean transport	外洋輸送	2.66E+1	1.41E+1	6.86E-1	1.18E+1	1.64E+1
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	1.30E+1	1.08E+1	1.16E+0	9.56E-1	1.32E+0
JD320	714301	Harbor transport service	港湾運送	1.68E+0	8.66E-1	5.72E-1	2.43E-1	1.87E+0
JD321	715101	Air transport	航空輸送	1.18E+1	9.17E+0	8.71E-1	1.74E+0	2.05E+0
JD322	716101	Consigned freight forwarding	貨物利用運送	1.50E+0	5.56E-1	6.73E-1	2.75E-1	2.39E+0
JD323	717101	Storage facility service	倉庫	2.25E+0	7.20E-2	1.90E+0	2.82E-1	1.31E+0
JD324	718101	Packing service	こん包	2.34E+0	8.14E-2	1.64E+0	6.19E-1	2.46E+0
JD325	718901	Facility service for road transport	道路輸送施設提供	1.32E+0	7.61E-2	1.04E+0	2.05E-1	1.59E+0
JD326	718902	Port and water traffic control **	水運施設管理★★	1.87E+0	6.68E-1	8.55E-1	3.45E-1	1.89E+0
JD327	718903	Services relating to water transport	その他の水運付帯サービス	7.04E-1	1.53E-1	4.12E-1	1.38E-1	2.13E+0
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国公営)★★	1.99E+0	9.31E-2	1.53E+0	3.73E-1	1.90E+0
JD329	718905	Airport and air traffic control	航空施設管理(産業)	2.53E+0	4.21E-1	1.73E+0	3.80E-1	1.55E+0
JD330	718906	Services relating to air transport	その他の航空付帯サービス	1.23E+0	1.56E-1	8.62E-1	2.14E-1	1.80E+0
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	9.19E-1	4.72E-2	6.20E-1	2.52E-1	3.45E+0
JD332	731101	Postal service*	郵便・信書便	1.14E+0	1.50E-1	7.91E-1	2.02E-1	2.92E+0
JD333	731201	Fixed telecommunication	固定電気通信	1.11E+0	5.61E-2	8.08E-1	2.44E-1	2.78E+0
JD334	731202	Mobile telecommunication	移動電気通信	8.05E-1	6.26E-2	5.51E-1	1.92E-1	2.57E+0
JD335	731203	Other telecommunication	その他の電気通信	1.42E+0	5.36E-2	1.05E+0	3.12E-1	2.49E+0
JD336	731909	Other services relating to communication	その他の通信サービス	1.37E+0	1.39E-1	9.78E-1	2.56E-1	1.93E+0
JD337	732101	Public broadcasting	公共放送	1.57E+0	5.37E-2	1.19E+0	3.28E-1	2.68E+0
JD338	732102	Private broadcasting	民間放送	1.39E+0	1.11E-1	8.20E-1	4.63E-1	5.14E+0
JD339	732103	Cable broadcasting	有線放送	1.23E+0	8.26E-2	8.31E-1	3.14E-1	2.80E+0
JD340	733101	Information services	情報サービス	9.73E-1	3.16E-2	7.27E-1	2.14E-1	2.56E+0
JD341	734101	Internet based services	インターネット附随サービス	1.32E+0	3.75E-2	9.78E-1	3.02E-1	2.57E+0
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	2.03E+0	1.73E-1	9.18E-1	9.41E-1	1.04E+1
JD343	735102	Newspaper	新聞	3.57E+0	2.07E-2	2.65E+0	9.01E-1	2.65E+0
JD344	735103	Publication	出版	2.78E+0	1.93E-2	2.24E+0	5.21E-1	2.07E+0
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	9.68E-1	8.92E-3	6.93E-1	2.67E-1	3.84E+0
JD346	811101	Public administration (central) **	公務(中央)★★	1.66E+0	2.41E-1	8.95E-1	5.20E-1	3.83E+0
JD347	811201	Public administration (local) **	公務(地方)★★	1.36E+0	3.32E-1	8.33E-1	1.93E-1	1.74E+0
JD348	821101	School education (public) **	学校教育(国公立)★★	6.95E-1	1.20E-1	4.80E-1	9.44E-2	1.54E+0
JD349	821102	School education (private) **	学校教育(私立)★	1.26E+0	2.17E-1	7.74E-1	2.67E-1	2.18E+0
JD350	821301	Social education (public) **	社会教育(国公立)★★	1.95E+0	2.99E-1	1.33E+0	3.28E-1	1.76E+0
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	2.84E+0	2.00E-1	2.06E+0	5.78E-1	2.01E+0
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★	4.66E+0	2.18E+0	1.84E+0	6.34E-1	1.85E+0

Table A3: Embodied global CO<sub>2</sub> intensities of Japanese goods and services based on the produce's price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global CO <sub>2</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> /M-JPY	tCO <sub>2</sub> /M-JPY	tCO <sub>2</sub> /M-JPY	tCO <sub>2</sub> /M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	2.64E+0	1.53E+0	7.50E-1	3.59E-1	2.04E+0
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	3.53E+0	7.01E-1	2.13E+0	6.97E-1	2.12E+0
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	2.83E+0	9.72E-1	1.31E+0	5.38E-1	2.33E+0
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	2.40E+0	5.43E-1	1.26E+0	6.05E-1	2.99E+0
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	1.47E+0	2.34E-1	9.06E-1	3.25E-1	2.47E+0
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	5.27E+0	1.96E+0	2.48E+0	8.20E-1	2.06E+0
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	1.34E+0	2.19E-1	8.15E-1	3.10E-1	2.60E+0
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	2.52E+0	4.44E-1	1.56E+0	5.16E-1	2.11E+0
JD361	831101	Medical service (public)	医療(国公立)	2.03E+0	3.36E-1	1.12E+0	5.66E-1	3.01E+0
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	1.66E+0	2.59E-1	9.36E-1	4.67E-1	3.12E+0
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	1.72E+0	2.05E-1	9.87E-1	5.25E-1	3.42E+0
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	1.52E+0	3.94E-1	8.15E-1	3.10E-1	2.09E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	1.89E+0	3.07E-1	1.21E+0	3.77E-1	2.01E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	1.49E+0	1.40E-1	1.11E+0	2.43E-1	1.70E+0
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	1.73E+0	1.92E-1	1.29E+0	2.47E-1	1.54E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	1.35E+0	2.31E-1	8.15E-1	3.04E-1	2.21E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	1.30E+0	1.69E-1	8.19E-1	3.16E-1	2.34E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	1.46E+0	2.87E-1	8.44E-1	3.25E-1	2.22E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	1.19E+0	1.59E-1	7.54E-1	2.78E-1	2.32E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	1.42E+0	2.65E-1	8.34E-1	3.17E-1	2.25E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	1.77E+0	4.12E-1	9.36E-1	4.22E-1	2.62E+0
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	1.18E+0	2.35E-1	6.86E-1	2.59E-1	2.50E+0
JD375	851101	Advertising services	広告	1.79E+0	9.84E-2	1.23E+0	4.61E-1	3.17E+0
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	8.50E-1	3.28E-2	5.27E-1	2.90E-1	3.73E+0
JD377	851301	Car rental and leasing	貸自動車業	9.99E-1	2.73E-1	4.72E-1	2.54E-1	3.23E+0
JD378	851410	Repair of motor vehicles	自動車修理	2.52E+0	5.72E-2	1.68E+0	7.88E-1	3.02E+0
JD379	851510	Repair of machine	機械修理	3.00E+0	3.80E-2	1.84E+0	1.12E+0	3.58E+0
JD380	851901	Building maintenance services	建物サービス	7.94E-1	1.05E-1	4.92E-1	1.96E-1	2.97E+0
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	6.15E-1	1.44E-1	3.45E-1	1.26E-1	2.54E+0
JD382	851903	Civil engineering and construction services	土木建築サービス	1.25E+0	2.31E-1	7.56E-1	2.67E-1	2.26E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	1.42E-1	1.63E-2	9.46E-2	3.13E-2	2.54E+0
JD384	851909	Other business services	その他の対事業所サービス	6.63E-1	3.80E-2	4.69E-1	1.56E-1	2.78E+0
JD385	861101	Movie theaters	映画館	3.11E+0	5.02E-1	1.83E+0	7.80E-1	4.93E+0
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	1.28E+0	6.50E-2	8.60E-1	3.53E-1	3.80E+0
JD387	861103	Amusement and recreation facilities	遊戯場	2.65E+0	5.75E-1	1.67E+0	4.09E-1	1.74E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	1.43E+0	2.10E-1	9.45E-1	2.72E-1	2.17E+0
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	1.66E+0	2.95E-1	1.03E+0	3.39E-1	2.26E+0
JD390	861109	Other amusement and recreation services	その他の娯楽	1.80E+0	2.55E-1	1.25E+0	2.90E-1	2.16E+0
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	2.56E+0	3.29E-1	1.40E+0	8.30E-1	3.19E+0
JD392	861202	Coffee shops	喫茶店	2.63E+0	4.80E-1	1.41E+0	7.41E-1	2.71E+0
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	2.02E+0	3.40E-1	1.09E+0	5.89E-1	2.88E+0
JD394	861301	Hotels	宿泊業	2.79E+0	4.15E-1	1.69E+0	6.88E-1	2.61E+0
JD395	861401	Cleaning	洗濯業	2.19E+0	7.58E-1	1.13E+0	3.03E-1	1.74E+0
JD396	861402	Barber shops	理容業	1.34E+0	5.92E-1	4.96E-1	2.49E-1	2.09E+0
JD397	861403	Beauty shops	美容業	1.15E+0	3.30E-1	5.66E-1	2.59E-1	2.35E+0
JD398	861404	Public baths	浴場業	4.84E+0	2.54E+0	1.81E+0	4.91E-1	1.43E+0
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	1.72E+0	4.92E-1	8.48E-1	3.75E-1	2.38E+0
JD400	861901	Photographic studios	写真業	1.38E+0	8.33E-2	9.20E-1	3.74E-1	2.88E+0
JD401	861902	Ceremonial occasions	冠婚葬祭業	2.60E+0	6.21E-1	1.54E+0	4.43E-1	2.00E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	2.04E+0	3.38E-1	1.29E+0	4.16E-1	2.24E+0
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	1.20E+0	1.29E-1	8.66E-1	2.01E-1	1.95E+0
JD404	861909	Other personal services	その他の対個人サービス	1.21E+0	2.28E-1	7.20E-1	2.66E-1	2.52E+0
JD405	890000	Office supplies	事務用品	5.27E+0	0.00E+0	3.52E+0	1.75E+0	3.49E+0
JD406	900000	Activities not elsewhere classified	分類不明	3.13E+0	5.36E-1	1.97E+0	6.30E-1	2.27E+0





Table A4: Embodied global CH<sub>4</sub> intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global CH <sub>4</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	1.63E-1	9.40E-4	5.99E-3	1.56E-1	7.62E+0
JD185	272204	Nuclear fuels	核燃料	9.08E-2	2.45E-4	1.32E-3	8.93E-2	5.97E+0
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	2.28E-1	5.58E-4	2.83E-3	2.25E-1	6.60E+0
JD187	281101	Metal products for construction	建設用金属製品	1.49E-1	2.91E-4	1.23E-2	1.37E-1	7.93E+0
JD188	281201	Metal products for architecture	建築用金属製品	1.25E-1	4.66E-4	6.58E-3	1.18E-1	7.53E+0
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	1.19E-1	3.83E-4	8.67E-3	1.09E-1	7.53E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	1.11E-1	5.31E-4	8.98E-3	1.02E-1	7.79E+0
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	1.11E-1	7.82E-4	8.85E-3	1.01E-1	7.54E+0
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末冶金製品・道具類	8.95E-2	5.50E-4	5.47E-3	8.35E-2	7.15E+0
JD193	289909	Other metal products	その他の金属製品	9.55E-2	5.69E-4	6.50E-3	8.84E-2	7.45E+0
JD194	301101	Boilers	ボイラ	5.63E-2	2.77E-4	5.05E-3	5.10E-2	7.46E+0
JD195	301102	Turbines	タービン	7.84E-2	3.25E-4	7.47E-3	7.06E-2	8.47E+0
JD196	301103	Engines	原動機	8.60E-2	2.56E-4	6.47E-3	7.93E-2	7.53E+0
JD197	301201	Conveyors	運搬機械	7.36E-2	1.10E-4	7.68E-3	6.58E-2	8.14E+0
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	6.27E-2	1.72E-4	6.01E-3	5.65E-2	7.74E+0
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	8.55E-2	1.48E-4	1.02E-2	7.51E-2	7.33E+0
JD200	301902	Machinists' precision tools	機械工具	7.32E-2	1.86E-4	5.94E-3	6.70E-2	7.77E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	7.87E-2	2.46E-4	6.87E-3	7.15E-2	7.64E+0
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	8.56E-2	2.10E-4	9.13E-3	7.63E-2	7.83E+0
JD203	302201	Chemical machinery	化学機械	6.58E-2	1.03E-4	6.00E-3	5.97E-2	7.65E+0
JD204	302301	Industrial robots	産業用ロボット	6.84E-2	1.04E-4	6.43E-3	6.18E-2	7.71E+0
JD205	302401	Metal machine tools	金属工作機械	6.72E-2	2.78E-5	8.42E-3	5.87E-2	7.31E+0
JD206	302402	Metal processing machinery	金属加工機械	8.22E-2	6.63E-5	1.14E-2	7.07E-2	7.19E+0
JD207	302901	Machinery for agricultural use	農業用機械	8.05E-2	3.11E-4	7.72E-3	7.25E-2	7.51E+0
JD208	302902	Textile machinery	繊維機械	6.94E-2	2.05E-4	5.43E-3	6.38E-2	7.82E+0
JD209	302903	Food processing machinery and equipment	食品機械・同装置	8.72E-2	1.13E-4	7.11E-3	7.99E-2	8.13E+0
JD210	302904	Semiconductor making equipment	半導体製造装置	6.67E-2	8.31E-5	5.78E-3	6.08E-2	8.70E+0
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	7.70E-2	1.84E-4	8.09E-3	6.88E-2	7.32E+0
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	6.84E-2	1.47E-4	6.75E-3	6.15E-2	8.13E+0
JD213	303101	Metal molds	金型	7.61E-2	1.77E-4	8.09E-3	6.79E-2	7.29E+0
JD214	303102	Bearings	ベアリング	1.21E-1	3.44E-4	1.00E-2	1.10E-1	7.84E+0
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	8.20E-2	2.73E-4	6.20E-3	7.56E-2	7.69E+0
JD216	311101	Copy machine	複写機	6.68E-2	1.24E-4	5.33E-3	6.13E-2	9.24E+0
JD217	311109	Other office machines	その他の事務用機械	5.63E-2	8.21E-5	4.46E-3	5.18E-2	9.03E+0
JD218	311201	Machinery for service industry	サービス用機器	6.75E-2	1.12E-4	7.43E-3	6.00E-2	7.87E+0
JD219	321101	Rotating electrical equipment	回転電気機械	8.38E-2	2.93E-4	6.02E-3	7.75E-2	7.86E+0
JD220	321102	Transformers and reactors	変圧器・変成器	7.52E-2	3.23E-5	6.00E-3	6.92E-2	7.93E+0
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	6.75E-2	1.37E-4	5.71E-3	6.17E-2	7.98E+0
JD222	321104	Wiring devices and supplies	配線器具	6.36E-2	2.07E-4	5.15E-3	5.82E-2	8.89E+0
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	7.44E-2	1.32E-4	6.20E-3	6.80E-2	7.64E+0
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	7.70E-2	1.65E-4	7.40E-3	6.94E-2	7.64E+0
JD225	322101	Applied electronic equipment	電子応用装置	4.80E-2	1.43E-5	3.79E-3	4.42E-2	1.11E+1
JD226	323101	Electric measuring instruments	電気計測器	4.54E-2	6.47E-5	3.24E-3	4.21E-2	1.03E+1
JD227	324101	Electric bulbs	電球類	5.95E-2	6.41E-4	5.25E-3	5.36E-2	8.80E+0
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	6.89E-2	3.06E-4	5.27E-3	6.34E-2	9.10E+0
JD229	324103	Batteries	電池	1.16E-1	3.90E-4	6.72E-3	1.09E-1	8.10E+0
JD230	324109	Other electrical devices and parts	その他の電気機械器具	1.12E-1	7.80E-4	4.76E-3	1.07E-1	6.96E+0
JD231	325101	Household air-conditioners	民生用エアコンディショナ	7.00E-2	1.30E-4	5.27E-3	6.46E-2	8.43E+0
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	6.95E-2	5.41E-5	5.31E-3	6.41E-2	8.09E+0
JD233	331101	Video recording and playback equipment	ビデオ機器	6.32E-2	1.14E-5	4.44E-3	5.87E-2	8.98E+0
JD234	331102	Electric audio equipment	電気音響機器	5.76E-2	1.15E-4	4.28E-3	5.32E-2	9.17E+0
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	5.83E-2	5.04E-5	4.82E-3	5.34E-2	9.12E+0
JD236	332101	Wired communication equipment	有線電気通信機器	5.60E-2	1.09E-4	4.10E-3	5.18E-2	9.25E+0
JD237	332102	Cellular phones	携帯電話機	5.47E-2	1.18E-4	4.18E-3	5.04E-2	9.77E+0
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	5.22E-2	1.29E-4	3.79E-3	4.83E-2	9.84E+0
JD239	332109	Other communication equipment	その他の電気通信機器	5.38E-2	1.88E-4	8.40E-3	4.53E-2	8.23E+0
JD240	333101	Personal Computers	パーソナルコンピュータ	5.04E-2	1.77E-5	3.61E-3	4.68E-2	1.10E+1
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	4.21E-2	1.96E-5	2.90E-3	3.92E-2	1.14E+1
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	5.01E-2	1.43E-5	3.84E-3	4.62E-2	9.99E+0
JD243	341101	Semiconductor devices	半導体素子	6.11E-2	3.64E-4	4.23E-3	5.65E-2	7.77E+0
JD244	341102	Integrated circuits	集積回路	7.34E-2	2.28E-4	5.13E-3	6.80E-2	8.32E+0
JD245	342101	Electron tubes	電子管	7.75E-2	3.78E-4	8.37E-3	6.87E-2	9.46E+0
JD246	342102	Liquid crystal element	液晶素子	6.20E-2	1.54E-4	5.38E-3	5.64E-2	9.90E+0
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	1.21E-1	2.06E-3	7.79E-3	1.11E-1	7.75E+0
JD248	342109	Other electronic components	その他の電子部品	7.03E-2	2.24E-4	6.24E-3	6.38E-2	8.17E+0
JD249	351101	Passenger motor cars	乗用車	8.23E-2	5.70E-5	7.20E-3	7.51E-2	7.95E+0
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	8.52E-2	1.26E-4	7.14E-3	7.79E-2	8.20E+0
JD251	353101	Two-wheel motor vehicles	二輪自動車	7.54E-2	6.64E-5	6.15E-3	6.92E-2	8.53E+0
JD252	354101	Motor vehicle bodies	自動車車体	1.02E-1	1.96E-4	8.60E-3	9.34E-2	7.73E+0
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	8.98E-2	2.38E-4	6.27E-3	8.33E-2	7.48E+0
JD254	354103	Motor vehicle parts and accessories	自動車部品	8.57E-2	1.47E-4	6.54E-3	7.90E-2	7.82E+0
JD255	361101	Steel ships	鋼船	1.39E-1	1.87E-4	1.18E-2	1.27E-1	7.80E+0
JD256	361102	Ships (except steel ships)	その他の船舶	7.73E-2	1.44E-4	6.52E-3	7.06E-2	7.29E+0
JD257	361103	Internal combustion engines for vessels	船用内燃機関	1.04E-1	1.86E-3	8.02E-3	9.39E-2	7.10E+0
JD258	361110	Repair of ships	船舶修理	8.16E-2	7.58E-5	7.96E-3	7.35E-2	7.51E+0
JD259	362101	Rolling stock	鉄道車両	1.10E-1	2.83E-4	1.84E-2	9.09E-2	6.73E+0
JD260	362110	Repair of rolling stock	鉄道車両修理	1.54E-1	2.36E-3	1.96E-2	1.32E-1	6.78E+0
JD261	362201	Aircrafts	航空機	6.34E-2	8.80E-4	3.16E-3	5.94E-2	1.38E+1
JD262	362210	Repair of aircrafts	航空機修理	7.01E-2	3.86E-4	1.48E-3	6.83E-2	3.24E+1
JD263	362901	Bicycles	自転車	8.73E-2	2.15E-3	5.75E-3	7.94E-2	7.31E+0
JD264	362909	Other transport equipment	その他の輸送機械	8.72E-2	4.79E-4	7.53E-3	7.92E-2	7.62E+0
JD265	371101	Camera	カメラ	5.31E-2	1.75E-4	4.20E-3	4.87E-2	8.78E+0
JD266	371109	Other photographic and optical instruments	その他の光学機械	6.44E-2	2.44E-4	5.50E-3	5.86E-2	8.20E+0

Table A4: Embodied global CH<sub>4</sub> intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global CH <sub>4</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD267	371201	Watches and clocks	時計	5.56E-2	2.62E-4	4.32E-3	5.10E-2	8.66E+0
JD268	371901	Professional and scientific instruments	理化学機械器具	5.83E-2	2.83E-4	7.31E-3	5.07E-2	7.44E+0
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	5.24E-2	1.39E-4	4.64E-3	4.76E-2	7.94E+0
JD270	371903	Medical instruments	医療用機械器具	6.57E-2	3.07E-4	5.06E-3	6.03E-2	7.83E+0
JD271	391101	Toys and games	がん具	6.10E-2	2.92E-4	4.63E-3	5.61E-2	8.31E+0
JD272	391102	Sporting and athletic goods	運動用品	1.20E-1	2.82E-4	8.92E-3	1.11E-1	8.99E+0
JD273	391901	Musical instruments	楽器	6.30E-2	9.42E-5	4.83E-3	5.81E-2	7.39E+0
JD274	391902	Audio and video records, other information recording media	情報記録物	6.57E-2	7.91E-5	4.61E-3	6.10E-2	8.60E+0
JD275	391903	Stationery	筆記具・文具	8.20E-2	1.58E-4	6.62E-3	7.52E-2	8.32E+0
JD276	391904	Jewelry and adornments	身辺細貨品	9.76E-2	1.28E-4	4.88E-3	9.26E-2	1.67E+1
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	8.14E-1	8.52E-5	3.63E-1	4.50E-1	6.04E+0
JD278	391906	Ordnance	武器	8.93E-2	9.16E-5	1.16E-2	7.76E-2	8.10E+0
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	7.31E-2	9.05E-5	6.45E-3	6.65E-2	8.02E+0
JD280	392101	Reuse and recycling	再生资源回収・加工処理	6.87E-2	7.75E-4	5.52E-3	6.24E-2	7.75E+0
JD281	411101	Residential construction (wooden)	住宅建築(木造)	6.54E-2	2.20E-4	5.03E-3	6.01E-2	7.23E+0
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	7.16E-2	5.10E-4	6.30E-3	6.48E-2	7.20E+0
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	6.32E-2	2.52E-4	5.65E-3	5.73E-2	7.26E+0
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	7.02E-2	5.26E-4	5.91E-3	6.38E-2	7.37E+0
JD285	412101	Repair of construction	建設補修	7.02E-2	7.23E-4	7.94E-3	6.16E-2	6.79E+0
JD286	413101	Public construction of roads	道路関係公共事業	8.91E-2	1.79E-3	1.04E-2	7.70E-2	7.07E+0
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	7.57E-2	1.31E-3	1.03E-2	6.41E-2	7.02E+0
JD288	413103	Agricultural public construction	農林関係公共事業	9.70E-2	2.06E-3	1.46E-2	8.04E-2	6.54E+0
JD289	413201	Railway construction	鉄道軌道建設	8.94E-2	8.43E-4	1.25E-2	7.60E-2	6.76E+0
JD290	413202	Electric power facilities construction	電力施設建設	7.25E-2	6.52E-4	1.01E-2	6.18E-2	6.80E+0
JD291	413203	Telecommunication facilities construction	電気通信施設建設	7.10E-2	1.06E-3	1.06E-2	5.93E-2	6.80E+0
JD292	413209	Other civil engineering and construction	その他の土木建設	7.95E-2	9.95E-4	1.10E-2	6.75E-2	6.68E+0
JD293	5111001	Electricity	事業用電力	5.79E-1	2.72E-3	1.22E-2	5.64E-1	8.36E+0
JD294	511104	On-site power generation	自家発電	8.22E-1	3.66E-2	2.77E-2	7.58E-1	7.85E+0
JD295	512101	Gas supply	都市ガス	6.75E-1	6.44E-3	8.11E-3	6.60E-1	9.26E+0
JD296	512201	Steam and hot water supply	熱供給業	2.43E-1	1.09E-3	1.04E-2	2.31E-1	7.77E+0
JD297	521101	Water supply	上水道・簡易水道	3.38E-2	5.20E-5	4.60E-3	2.91E-2	7.79E+0
JD298	521102	Industrial water supply	工業用水	3.31E-2	4.22E-5	1.53E-3	3.16E-2	7.61E+0
JD299	521103	Sewage disposal **	下水道★★	1.22E+0	1.05E+0	6.18E-3	1.60E-1	1.05E+0
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	2.37E+0	2.28E+0	8.63E-3	7.43E-2	2.43E-1
JD301	521202	Waste management services (private)	廃棄物処理(産業)	1.02E+0	9.73E-1	7.31E-3	4.43E-2	3.42E-1
JD302	611101	Wholesale trade	卸売	2.85E-2	5.20E-5	3.60E-3	2.48E-2	8.30E+0
JD303	611201	Retail trade	小売	5.38E-2	2.21E-4	7.78E-3	4.58E-2	6.83E+0
JD304	621101	Financial service	金融	1.77E-2	1.22E-5	2.85E-3	1.49E-2	1.41E+1
JD305	621201	Life insurance	生命保険	2.36E-2	2.50E-5	5.64E-3	1.79E-2	1.00E+1
JD306	621202	Non-life insurance	損害保険	1.78E-2	2.45E-5	2.95E-3	1.49E-2	1.08E+1
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	2.54E-2	4.41E-5	2.45E-3	2.29E-2	8.53E+0
JD308	641102	Real estate rental service	不動産賃貸業	2.30E-2	9.21E-5	1.80E-3	2.11E-2	7.64E+0
JD309	642101	House rent	住宅賃貸料	1.19E-2	3.97E-5	1.32E-3	1.05E-2	8.41E+0
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	4.97E-3	0.00E+0	6.43E-4	4.33E-3	7.68E+0
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	7.07E-2	1.15E-4	1.67E-2	5.39E-2	6.28E+0
JD312	711201	Railway transport (freight)	鉄道貨物輸送	1.21E-1	5.47E-4	2.92E-2	9.13E-2	5.87E+0
JD313	712101	Bus transport service	バス	7.86E-2	1.36E-3	3.56E-3	7.37E-2	9.15E+0
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	9.32E-2	1.61E-3	2.23E-3	8.94E-2	9.02E+0
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	9.53E-2	1.72E-3	4.93E-3	8.86E-2	9.15E+0
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	3.48E-1	7.93E-3	6.71E-3	3.33E-1	9.88E+0
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	3.05E-1	6.78E-3	6.42E-3	2.92E-1	9.73E+0
JD318	714101	Ocean transport	外洋輸送	3.35E-1	1.45E-2	2.32E-3	3.18E-1	3.35E+1
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	1.78E-1	2.45E-2	7.58E-3	1.46E-1	8.02E+0
JD320	714301	Harbor transport service	港湾運送	3.41E-2	1.97E-3	2.67E-3	2.94E-2	7.53E+0
JD321	715101	Air transport	航空輸送	1.90E-1	6.11E-3	4.41E-3	1.80E-1	9.15E+0
JD322	716101	Consigned freight forwarding	貨物利用運送	3.87E-2	3.18E-4	4.70E-3	3.37E-2	7.44E+0
JD323	717101	Storage facility service	倉庫	5.09E-2	4.16E-5	5.71E-3	4.52E-2	7.24E+0
JD324	718101	Packing service	こん包	5.73E-2	4.80E-5	6.08E-3	5.12E-2	7.20E+0
JD325	718901	Facility service for road transport	道路輸送施設提供	3.51E-2	4.74E-5	8.27E-3	2.68E-2	8.25E+0
JD326	718902	Port and water traffic control **	水運施設管理★★	4.81E-2	3.77E-4	1.73E-2	3.04E-2	5.15E+0
JD327	718903	Services relating to water transport	その他の水運付帯サービス	3.15E-2	8.73E-5	1.91E-2	1.24E-2	3.45E+0
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	5.07E-2	5.76E-5	8.09E-3	4.26E-2	7.52E+0
JD329	718905	Airport and air traffic control	航空施設管理(産業)	6.04E-2	2.84E-4	9.68E-3	5.04E-2	7.34E+0
JD330	718906	Services relating to air transport	その他の航空付帯サービス	4.96E-2	9.90E-5	1.41E-2	3.54E-2	7.88E+0
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	2.27E-2	3.22E-5	2.70E-3	2.00E-2	1.20E+1
JD332	731101	Postal service*	郵便・信書便	2.80E-2	8.98E-5	2.34E-3	2.55E-2	7.72E+0
JD333	731201	Fixed telecommunication	固定電気通信	3.15E-2	3.41E-5	6.24E-3	2.52E-2	1.04E+1
JD334	731202	Mobile telecommunication	移動電気通信	2.55E-2	3.69E-5	9.16E-3	1.63E-2	6.33E+0
JD335	731203	Other telecommunication	その他の電気通信	3.81E-2	3.67E-5	6.13E-3	3.19E-2	1.13E+1
JD336	731909	Other services relating to communication	その他の通信サービス	3.19E-2	8.52E-5	4.55E-3	2.72E-2	7.74E+0
JD337	732101	Public broadcasting	公共放送	6.26E-2	3.32E-5	2.72E-2	3.54E-2	1.13E+1
JD338	732102	Private broadcasting	民間放送	4.20E-2	6.40E-5	7.57E-3	3.44E-2	1.75E+1
JD339	732103	Cable broadcasting	有線放送	2.97E-2	4.93E-5	3.56E-3	2.61E-2	1.10E+1
JD340	733101	Information services	情報サービス	2.41E-2	1.79E-5	1.93E-3	2.21E-2	1.31E+1
JD341	734101	Internet based services	インターネット附随サービス	3.53E-2	2.40E-5	5.50E-3	2.98E-2	1.15E+1
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	5.90E-2	1.02E-4	5.31E-3	5.36E-2	1.80E+1
JD343	735102	Newspaper	新聞	6.77E-2	1.31E-5	5.61E-3	6.21E-2	8.98E+0
JD344	735103	Publication	出版	5.87E-2	1.23E-5	6.34E-3	5.24E-2	8.02E+0
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	2.38E-2	5.14E-6	2.39E-3	2.14E-2	1.08E+1
JD346	811101	Public administration (central) **	公務(中央)★★	4.87E-2	1.39E-4	6.30E-3	4.23E-2	9.05E+0
JD347	811201	Public administration (local) **	公務(地方)★★	5.23E-2	1.92E-4	2.67E-2	2.54E-2	3.97E+0
JD348	821101	School education (public) **	学校教育(国公立)★★	1.99E-2	7.29E-5	6.31E-3	1.35E-2	5.27E+0
JD349	821102	School education (private) *	学校教育(私立)★	3.46E-2	1.41E-4	8.56E-3	2.59E-2	6.25E+0
JD350	821301	Social education (public) **	社会教育(国公立)★★	6.19E-2	1.59E-4	7.04E-3	5.47E-2	1.06E+1
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	8.72E-2	1.21E-4	6.30E-3	8.08E-2	1.12E+1
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★★	1.13E-1	1.24E-3	2.70E-2	8.51E-2	6.27E+0

Table A4: Embodied global CH<sub>4</sub> intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global CH <sub>4</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	5.37E-2	8.70E-4	3.16E-3	4.96E-2	8.34E+0
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	1.16E-1	4.62E-4	9.04E-3	1.07E-1	8.31E+0
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	6.67E-2	5.85E-4	5.47E-3	6.06E-2	7.97E+0
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	1.02E-1	3.28E-4	2.01E-2	8.16E-2	7.28E+0
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	4.45E-2	1.58E-4	1.33E-2	3.11E-2	6.13E+0
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	1.50E-1	1.10E-3	8.20E-3	1.41E-1	7.79E+0
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	3.26E-2	1.66E-4	2.94E-3	2.95E-2	9.31E+0
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	6.64E-2	2.48E-4	6.54E-3	5.96E-2	8.53E+0
JD361	831101	Medical service (public)	医療(国公立)	7.18E-2	2.07E-4	1.80E-2	5.36E-2	9.08E+0
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	5.92E-2	1.53E-4	1.47E-2	4.43E-2	9.24E+0
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	5.88E-2	1.24E-4	1.38E-2	4.49E-2	9.78E+0
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	4.27E-2	2.27E-4	1.38E-2	2.86E-2	5.61E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	6.76E-2	1.71E-4	2.96E-2	3.78E-2	5.07E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	3.90E-2	1.02E-4	8.14E-3	3.08E-2	6.93E+0
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	4.57E-2	1.39E-4	9.43E-3	3.61E-2	7.70E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	7.91E-2	1.45E-4	2.69E-2	5.21E-2	8.82E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	7.98E-2	1.10E-4	2.88E-2	5.10E-2	8.66E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	7.96E-2	1.78E-4	2.68E-2	5.27E-2	8.42E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	8.02E-2	1.03E-4	3.14E-2	4.88E-2	8.48E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	9.93E-2	1.67E-4	3.82E-2	6.09E-2	8.77E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	3.99E-2	2.38E-4	4.00E-3	3.57E-2	8.90E+0
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	3.13E-2	1.41E-4	4.54E-3	2.67E-2	8.16E+0
JD375	851101	Advertising services	広告	4.20E-2	5.54E-5	4.60E-3	3.73E-2	1.06E+1
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	1.91E-2	1.81E-5	1.67E-3	1.74E-2	9.83E+0
JD377	851301	Car rental and leasing	貸自動車業	2.64E-2	1.57E-4	2.99E-3	2.32E-2	7.98E+0
JD378	851410	Repair of motor vehicles	自動車修理	6.30E-2	3.49E-5	6.70E-3	5.63E-2	8.73E+0
JD379	851510	Repair of machine	機械修理	5.55E-2	2.18E-5	5.25E-3	5.03E-2	8.03E+0
JD380	851901	Building maintenance services	建物サービス	2.18E-2	6.05E-5	4.06E-3	1.77E-2	1.50E+1
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	1.52E-2	8.16E-5	1.48E-3	1.37E-2	1.11E+1
JD382	851903	Civil engineering and construction services	土木建築サービス	2.64E-2	1.34E-4	1.81E-3	2.44E-2	9.74E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	3.79E-3	1.03E-5	3.69E-4	3.41E-3	1.33E+1
JD384	851909	Other business services	その他の対事業所サービス	1.66E-2	2.21E-5	1.34E-3	1.53E-2	1.27E+1
JD385	861101	Movie theaters	映画館	8.27E-2	3.14E-4	1.49E-2	6.74E-2	9.23E+0
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	7.75E-2	3.89E-5	7.28E-3	7.02E-2	1.76E+1
JD387	861103	Amusement and recreation facilities	遊戯場	6.42E-2	3.30E-4	1.23E-2	5.16E-2	6.43E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	1.02E-1	1.21E-4	6.90E-3	9.54E-2	1.72E+1
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	5.48E-2	1.72E-4	1.30E-2	4.17E-2	7.89E+0
JD390	861109	Other amusement and recreation services	その他の娯楽	6.29E-2	1.55E-4	1.98E-2	4.29E-2	5.75E+0
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	3.98E-1	2.27E-4	1.25E-1	2.73E-1	1.15E+1
JD392	861202	Coffee shops	喫茶店	2.95E-1	3.38E-4	9.61E-2	1.99E-1	1.09E+1
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	2.43E-1	2.35E-4	7.04E-2	1.73E-1	1.18E+1
JD394	861301	Hotels	宿泊業	2.45E-1	2.87E-4	9.57E-2	1.49E-1	8.99E+0
JD395	861401	Cleaning	洗濯業	6.71E-2	4.46E-4	2.61E-2	4.06E-2	5.05E+0
JD396	861402	Barber shops	理容業	3.19E-2	3.67E-4	3.99E-3	2.75E-2	7.47E+0
JD397	861403	Beauty shops	美容業	3.17E-2	2.05E-4	7.93E-3	2.35E-2	6.62E+0
JD398	861404	Public baths	浴場業	1.16E-1	1.53E-3	2.40E-2	9.09E-2	6.12E+0
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	4.38E-2	2.99E-4	8.93E-3	3.46E-2	7.13E+0
JD400	861901	Photographic studios	写真業	4.26E-2	4.94E-5	1.00E-2	3.26E-2	9.02E+0
JD401	861902	Ceremonial occasions	冠婚葬祭業	1.05E-1	3.82E-4	2.91E-2	7.56E-2	6.93E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	7.91E-2	1.96E-4	3.53E-2	4.36E-2	4.47E+0
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	3.34E-2	8.06E-5	7.32E-3	2.60E-2	6.18E+0
JD404	861909	Other personal services	その他の対個人サービス	4.02E-2	1.34E-4	1.40E-2	2.60E-2	5.73E+0
JD405	890000	Office supplies	事務用品	9.26E-2	0.00E+0	7.45E-3	8.52E-2	8.26E+0
JD406	900000	Activities not elsewhere classified	分類不明	8.97E-2	2.87E-4	2.08E-2	6.86E-2	6.67E+0





Table A5: Embodied global N<sub>2</sub>O intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global N <sub>2</sub> O intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD93	161909	Other wooden products	その他の木製品	4.10E-2	5.37E-4	1.51E-2	2.53E-2	4.55E+0
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	4.01E-2	8.60E-4	1.87E-2	2.05E-2	4.93E+0
JD95	171102	Wooden fixtures	木製建具	4.63E-2	1.22E-3	2.15E-2	2.35E-2	4.40E+0
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	3.84E-2	1.02E-3	2.35E-2	1.38E-2	4.33E+0
JD97	181101	Pulp	パルプ	2.26E-1	1.40E-1	5.14E-2	3.54E-2	1.80E+0
JD98	181201	Paper	洋紙・和紙	1.78E-1	4.93E-2	8.91E-2	3.96E-2	3.25E+0
JD99	181202	Paperboard	板紙	1.48E-1	2.34E-2	9.66E-2	2.78E-2	2.30E+0
JD100	181301	Corrugated cardboard	段ボール	1.00E-1	1.55E-3	6.55E-2	3.33E-2	4.97E+0
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	9.03E-2	4.93E-3	5.05E-2	3.49E-2	5.90E+0
JD102	182101	Corrugated card board boxes	段ボール箱	5.15E-2	1.12E-3	3.19E-2	1.85E-2	5.13E+0
JD103	182109	Other paper containers	その他の紙製容器	5.57E-2	2.13E-3	3.28E-2	2.07E-2	5.37E+0
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	7.23E-2	4.83E-3	4.49E-2	2.26E-2	4.34E+0
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	5.36E-2	2.60E-3	3.56E-2	1.54E-2	3.83E+0
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	4.02E-2	1.45E-3	2.57E-2	1.31E-2	4.60E+0
JD107	201101	Chemical fertilizer	化学肥料	1.58E-1	3.40E-2	5.83E-2	6.57E-2	8.27E+0
JD108	202101	Industrial soda chemicals	ソーダ工業製品	1.46E-1	2.74E-2	9.45E-2	2.40E-2	2.32E+0
JD109	202901	Inorganic pigment	無機顔料	1.14E-1	8.85E-3	6.89E-2	3.63E-2	4.64E+0
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	9.82E-2	4.26E-3	7.56E-2	1.84E-2	2.55E+0
JD111	202903	Salt	塩	7.17E-2	3.37E-2	2.06E-2	1.75E-2	2.66E+0
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	1.13E+0	1.02E+0	8.05E-2	3.77E-2	3.72E-1
JD113	203101	Petrochemical basic products	石油化学基礎製品	1.83E-1	1.77E-2	3.35E-2	1.32E-1	2.01E+1
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	1.49E-1	1.90E-2	2.32E-2	1.07E-1	2.06E+1
JD115	203201	Aliphatic intermediates	脂肪族中間物	5.31E-1	2.90E-1	1.57E-1	8.36E-2	3.52E+0
JD116	203202	Cyclic intermediates	環状中間物	1.69E-1	2.62E-2	4.16E-2	1.01E-1	1.37E+1
JD117	203301	Synthetic rubber	合成ゴム	1.69E-1	5.29E-2	5.95E-2	5.69E-2	7.73E+0
JD118	203901	Methane derivatives	メタン誘導品	2.69E-1	3.56E-2	1.96E-1	3.80E-2	2.41E+0
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	3.70E-1	9.69E-3	8.34E-2	2.77E-1	1.72E+1
JD120	203903	Plasticizers	可塑剤	2.57E-1	1.22E-2	1.68E-1	7.64E-2	6.77E+0
JD121	203904	Synthetic dyes	合成染料	1.96E-1	3.59E-2	7.90E-2	8.08E-2	1.18E+1
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	1.30E-1	8.59E-3	7.01E-2	5.13E-2	6.47E+0
JD123	204101	Thermo-setting resins	熱硬化性樹脂	1.76E-1	3.63E-3	9.98E-2	7.23E-2	8.78E+0
JD124	204102	Thermoplastics resins	熱可塑性樹脂	1.64E-1	4.62E-3	8.02E-2	7.90E-2	1.15E+1
JD125	204103	High function resins	高機能性樹脂	1.62E-1	2.75E-3	9.13E-2	6.79E-2	9.19E+0
JD126	204109	Other resins	その他の合成樹脂	2.10E-1	3.16E-3	1.35E-1	7.17E-2	7.74E+0
JD127	205101	Rayon and acetate	レーヨン・アセテート	2.03E-1	8.56E-2	6.85E-2	4.87E-2	3.21E+0
JD128	205102	Synthetic fibers	合成繊維	1.78E-1	2.98E-2	9.48E-2	5.33E-2	6.31E+0
JD129	206101	Medicaments	医薬品	7.35E-2	1.34E-3	3.35E-2	3.86E-2	7.94E+0
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	1.26E-1	5.31E-3	6.75E-2	5.34E-2	8.17E+0
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	6.03E-2	6.03E-4	3.69E-2	2.28E-2	6.14E+0
JD132	207201	Paint and varnishes	塗料	1.45E-1	1.22E-3	8.88E-2	5.48E-2	6.57E+0
JD133	207202	Printing ink	印刷インキ	1.69E-1	4.35E-4	8.66E-2	8.16E-2	8.34E+0
JD134	207301	Photographic sensitive materials	写真感光材料	1.16E-1	7.44E-3	7.97E-2	2.90E-2	3.51E+0
JD135	207401	Agricultural chemicals	農薬	1.09E-1	1.29E-2	6.08E-2	3.51E-2	6.73E+0
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	1.42E-1	6.46E-3	7.10E-2	6.49E-2	7.28E+0
JD137	207909	Other final chemical products	その他の化学最終製品	1.68E-1	7.56E-3	9.07E-2	6.97E-2	6.64E+0
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	2.75E-1	1.21E-2	3.95E-3	2.59E-1	1.72E+1
JD139	212101	Coal products	石炭製品	3.90E-2	1.14E-3	4.34E-3	3.35E-2	9.77E+0
JD140	212102	Paving materials	舗装材料	8.99E-2	3.60E-5	2.14E-2	6.85E-2	1.34E+1
JD141	221101	Plastic products	プラスチック製品	7.25E-2	2.83E-4	3.75E-2	3.47E-2	9.15E+0
JD142	231101	Tires and inner tubes	タイヤ・チューブ	1.99E-1	1.11E-3	3.69E-2	1.61E-1	1.24E+1
JD143	231901	Rubber footwear	ゴム製履物	7.58E-2	2.25E-3	1.61E-2	5.74E-2	1.08E+1
JD144	231902	Plastic footwear	プラスチック製履物	4.35E-2	2.48E-3	2.12E-2	1.99E-2	7.50E+0
JD145	231909	Other rubber products	その他のゴム製品	7.93E-2	7.67E-4	2.77E-2	5.09E-2	9.24E+0
JD146	241101	Leather footwear	革製履物	1.62E-1	6.70E-4	3.04E-2	1.31E-1	1.22E+1
JD147	241201	Leather and fur skins	製革・毛皮	9.83E-1	4.03E-3	1.55E-1	8.24E-1	1.40E+1
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	1.28E-1	5.95E-4	2.93E-2	9.80E-2	1.08E+1
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	1.68E-1	1.18E-1	3.21E-2	1.86E-2	1.52E+0
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	7.55E-2	1.05E-2	4.08E-2	2.42E-2	5.04E+0
JD151	251909	Other glass products	その他のガラス製品	6.29E-2	8.04E-3	3.82E-2	1.66E-2	3.71E+0
JD152	252101	Cement	セメント	1.72E+0	1.64E+0	6.10E-2	2.37E-2	1.80E-1
JD153	252201	Ready mixed concrete	生コンクリート	3.59E-1	1.36E-2	3.26E-1	1.87E-2	7.83E-1
JD154	252301	Cement products	セメント製品	1.66E-1	5.50E-2	9.82E-2	1.24E-2	9.74E-1
JD155	253101	Pottery, china and earthenware	陶磁器	6.56E-2	2.16E-2	2.21E-2	2.19E-2	4.78E+0
JD156	259901	Clay refractories	耐火物	8.09E-2	1.19E-2	4.17E-2	2.74E-2	4.02E+0
JD157	259902	Other structural clay products	その他の建設用土石製品	1.03E-1	3.09E-2	3.25E-2	3.96E-2	5.31E+0
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	7.19E-2	1.35E-2	3.08E-2	2.75E-2	6.01E+0
JD159	259904	Abrasive	研磨材	4.81E-2	6.12E-3	1.81E-2	2.39E-2	6.21E+0
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	1.92E-1	1.39E-1	3.02E-2	2.33E-2	1.59E+0
JD161	261101	Pig iron	鉄鉄	1.84E-1	1.38E-1	1.61E-2	3.00E-2	1.95E+0
JD162	261102	Ferro alloys	フェロアロイ	8.43E-2	2.62E-2	2.88E-2	2.93E-2	3.54E+0
JD163	261103	Crude steel (converters)	粗鋼(転炉)	1.23E-1	3.14E-3	9.36E-2	2.60E-2	1.96E+0
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	6.00E-2	2.68E-3	3.16E-2	2.58E-2	5.49E+0
JD165	261201	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	8.19E-2	4.47E-3	5.75E-2	2.00E-2	2.26E+0
JD167	262201	Steel pipes and tubes	鋼管	6.09E-2	3.45E-3	4.11E-2	1.64E-2	2.85E+0
JD168	262301	Cold-finished steel	冷間仕上鋼材	7.45E-2	6.03E-3	4.97E-2	1.87E-2	2.40E+0
JD169	262302	Coated steel	めっき鋼材	6.40E-2	3.70E-3	4.38E-2	1.66E-2	2.61E+0
JD170	263101	Cast and forged steel	鑄鍛鋼	5.02E-2	4.76E-3	3.05E-2	1.49E-2	3.17E+0
JD171	263102	Cast iron pipes and tubes	鑄鉄管	6.30E-2	1.58E-2	3.18E-2	1.53E-2	3.47E+0
JD172	263103	Cast and forged materials (iron)	鑄鉄品及び鍛工品(鉄)	7.16E-2	1.29E-2	4.41E-2	1.46E-2	2.61E+0
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	5.54E-2	1.26E-3	3.99E-2	1.43E-2	2.61E+0
JD174	264909	Other iron or steel products	その他の鉄鋼製品	4.59E-2	2.62E-3	3.18E-2	1.15E-2	2.78E+0
JD175	271101	Copper	銅	5.89E-2	5.63E-3	9.27E-3	4.40E-2	1.11E+1
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	5.68E-2	5.94E-3	2.30E-2	2.79E-2	5.98E+0
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	5.43E-2	9.68E-3	1.60E-2	2.86E-2	5.23E+0
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	5.07E-2	1.29E-3	1.29E-2	3.65E-2	1.01E+1
JD179	271201	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	4.70E-2	9.67E-4	1.90E-2	2.71E-2	6.26E+0
JD181	272102	Optical fiber cables	光ファイバケーブル	8.13E-2	1.39E-3	5.30E-2	2.69E-2	4.63E+0
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	4.69E-2	2.54E-3	1.37E-2	3.07E-2	6.36E+0
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	5.86E-2	1.55E-3	9.17E-3	4.79E-2	9.51E+0

Table A5: Embodied global N<sub>2</sub>O intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global N <sub>2</sub> O intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	4.96E-2	2.86E-3	1.67E-2	3.00E-2	5.39E+0
JD185	272204	Nuclear fuels	核燃料	3.96E-2	7.46E-4	1.56E-2	2.32E-2	3.50E+0
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	7.08E-2	1.70E-3	9.95E-3	5.91E-2	5.46E+0
JD187	281101	Metal products for construction	建設用金属製品	3.96E-2	8.87E-4	2.59E-2	1.28E-2	3.77E+0
JD188	281201	Metal products for architecture	建築用金属製品	3.46E-2	1.42E-3	1.67E-2	1.65E-2	5.33E+0
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	3.78E-2	1.17E-3	2.22E-2	1.45E-2	4.22E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	3.28E-2	1.62E-3	2.01E-2	1.11E-2	4.04E+0
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	3.45E-2	2.38E-3	2.13E-2	1.09E-2	3.84E+0
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末冶金製品・道具類	3.17E-2	1.68E-3	1.57E-2	1.43E-2	4.55E+0
JD193	289909	Other metal products	その他の金属製品	3.06E-2	1.73E-3	1.74E-2	1.15E-2	4.53E+0
JD194	301101	Boilers	ボイラ	2.16E-2	8.43E-4	1.25E-2	8.21E-3	4.75E+0
JD195	301102	Turbines	タービン	3.04E-2	9.91E-4	1.60E-2	1.34E-2	5.86E+0
JD196	301103	Engines	原動機	3.02E-2	7.79E-4	1.73E-2	1.20E-2	4.68E+0
JD197	301201	Conveyors	運搬機械	2.97E-2	3.35E-4	1.68E-2	1.26E-2	6.01E+0
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	2.54E-2	5.23E-4	1.41E-2	1.07E-2	5.42E+0
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	3.10E-2	4.50E-4	1.92E-2	1.14E-2	4.46E+0
JD200	301902	Machinists' precision tools	機械工具	2.56E-2	5.66E-4	1.43E-2	1.08E-2	5.30E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	2.77E-2	7.49E-4	1.68E-2	1.01E-2	4.52E+0
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	3.53E-2	6.40E-4	1.90E-2	1.57E-2	5.55E+0
JD203	302201	Chemical machinery	化学機械	2.52E-2	3.12E-4	1.47E-2	1.02E-2	5.07E+0
JD204	302301	Industrial robots	産業用ロボット	2.71E-2	3.18E-4	1.61E-2	1.08E-2	4.91E+0
JD205	302401	Metal machine tools	金属工作機械	2.54E-2	2.58E-4	1.65E-2	8.62E-3	4.22E+0
JD206	302402	Metal processing machinery	金属加工機械	2.92E-2	6.16E-4	2.01E-2	8.41E-3	3.54E+0
JD207	302901	Machinery for agricultural use	農業用機械	3.01E-2	9.47E-4	1.67E-2	1.25E-2	5.01E+0
JD208	302902	Textile machinery	繊維機械	2.61E-2	6.24E-4	1.48E-2	1.07E-2	5.40E+0
JD209	302903	Food processing machinery and equipment	食品機械・同装置	2.87E-2	3.45E-4	1.66E-2	1.17E-2	5.53E+0
JD210	302904	Semiconductor making equipment	半導体製造装置	2.85E-2	2.53E-4	1.51E-2	1.32E-2	6.33E+0
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	2.76E-2	5.61E-4	1.71E-2	9.94E-3	4.28E+0
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	2.68E-2	4.46E-4	1.54E-2	1.09E-2	5.66E+0
JD213	303101	Metal molds	金型	2.68E-2	5.39E-4	1.81E-2	8.21E-3	3.64E+0
JD214	303102	Bearings	ベアリング	3.53E-2	1.05E-3	2.33E-2	1.10E-2	3.57E+0
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	2.89E-2	8.32E-4	1.65E-2	1.15E-2	4.40E+0
JD216	311101	Copy machine	複写機	3.42E-2	3.78E-4	1.86E-2	1.52E-2	6.27E+0
JD217	311109	Other office machines	その他の事務用機械	2.93E-2	2.50E-4	1.64E-2	1.26E-2	6.13E+0
JD218	311201	Machinery for service industry	サービス用機器	3.13E-2	3.42E-4	1.82E-2	1.28E-2	5.30E+0
JD219	321101	Rotating electrical equipment	回転電気機械	3.06E-2	8.93E-4	1.73E-2	1.25E-2	4.86E+0
JD220	321102	Transformers and reactors	変圧器・変成器	3.34E-2	9.84E-5	1.69E-2	1.64E-2	4.77E+0
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	2.89E-2	4.17E-4	1.55E-2	1.30E-2	5.34E+0
JD222	321104	Wiring devices and supplies	配線器具	2.76E-2	6.29E-4	1.42E-2	1.28E-2	6.04E+0
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	2.90E-2	4.03E-4	1.64E-2	1.22E-2	5.05E+0
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	3.47E-2	5.03E-4	1.89E-2	1.53E-2	5.08E+0
JD225	322101	Applied electronic equipment	電子応用装置	2.48E-2	1.33E-4	1.20E-2	1.26E-2	7.19E+0
JD226	323101	Electric measuring instruments	電気計測器	2.19E-2	1.97E-4	1.06E-2	1.11E-2	6.94E+0
JD227	324101	Electric bulbs	電球類	3.22E-2	1.95E-3	1.77E-2	1.25E-2	5.27E+0
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	3.28E-2	9.31E-4	1.69E-2	1.49E-2	7.84E+0
JD229	324103	Batteries	電池	5.93E-2	1.19E-3	3.13E-2	2.68E-2	5.25E+0
JD230	324109	Other electrical devices and parts	その他の電気機械器具	4.31E-2	2.38E-3	1.39E-2	2.68E-2	5.49E+0
JD231	325101	Household air-conditioners	民生用エアコンディショナ	3.01E-2	3.94E-4	1.61E-2	1.36E-2	5.92E+0
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	2.91E-2	1.65E-4	1.59E-2	1.30E-2	5.95E+0
JD233	331101	Video recording and playback equipment	ビデオ機器	2.92E-2	3.47E-5	1.52E-2	1.39E-2	6.13E+0
JD234	331102	Electric audio equipment	電気音響機器	2.77E-2	3.50E-4	1.50E-2	1.24E-2	6.15E+0
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	3.14E-2	1.54E-4	1.83E-2	1.30E-2	5.90E+0
JD236	332101	Wired communication equipment	有線電気通信機器	2.82E-2	3.31E-4	1.43E-2	1.36E-2	6.31E+0
JD237	332102	Cellular phones	携帯電話機	2.87E-2	3.59E-4	1.50E-2	1.34E-2	6.41E+0
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	2.68E-2	3.93E-4	1.38E-2	1.26E-2	6.42E+0
JD239	332109	Other communication equipment	その他の電気通信機器	2.76E-2	5.74E-4	1.64E-2	1.07E-2	5.04E+0
JD240	333101	Personal Computers	パーソナルコンピュータ	2.63E-2	1.65E-4	1.28E-2	1.33E-2	6.99E+0
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	2.08E-2	1.82E-4	9.73E-3	1.09E-2	7.39E+0
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	2.55E-2	1.33E-4	1.36E-2	1.17E-2	6.45E+0
JD243	341101	Semiconductor devices	半導体素子	2.96E-2	3.38E-3	1.40E-2	1.23E-2	5.08E+0
JD244	341102	Integrated circuits	集積回路	3.69E-2	2.12E-3	2.03E-2	1.45E-2	5.01E+0
JD245	342101	Electron tubes	電子管	4.72E-2	3.51E-3	2.23E-2	2.14E-2	9.58E+0
JD246	342102	Liquid crystal element	液晶素子	4.57E-2	4.68E-4	3.02E-2	1.50E-2	4.64E+0
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	5.97E-2	6.28E-3	3.34E-2	2.00E-2	5.56E+0
JD248	342109	Other electronic components	その他の電子部品	3.23E-2	6.83E-4	1.74E-2	1.42E-2	5.53E+0
JD249	351101	Passenger motor cars	乗用車	3.85E-2	5.30E-4	2.20E-2	1.59E-2	5.68E+0
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	4.04E-2	1.17E-3	2.13E-2	1.79E-2	5.90E+0
JD251	353101	Two-wheel motor vehicles	二輪自動車	3.55E-2	6.17E-4	1.82E-2	1.67E-2	6.78E+0
JD252	354101	Motor vehicle bodies	自動車車体	3.87E-2	1.82E-3	2.26E-2	1.43E-2	4.98E+0
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	3.57E-2	2.22E-3	1.78E-2	1.57E-2	5.22E+0
JD254	354103	Motor vehicle parts and accessories	自動車部品	3.68E-2	1.37E-3	1.97E-2	1.57E-2	5.88E+0
JD255	361101	Steel ships	鋼船	4.05E-2	5.70E-4	2.65E-2	1.34E-2	3.91E+0
JD256	361102	Ships (except steel ships)	その他の船舶	3.33E-2	4.39E-4	1.87E-2	1.41E-2	5.58E+0
JD257	361103	Internal combustion engines for vessels	船用内燃機関	4.05E-2	5.67E-3	2.14E-2	1.35E-2	4.64E+0
JD258	361110	Repair of ships	船舶修理	3.18E-2	2.31E-4	2.02E-2	1.13E-2	4.68E+0
JD259	362101	Rolling stock	鉄道車両	4.71E-2	8.63E-4	3.27E-2	1.36E-2	3.36E+0
JD260	362110	Repair of rolling stock	鉄道車両修理	5.88E-2	7.20E-3	3.36E-2	1.80E-2	3.89E+0
JD261	362201	Aircrafts	航空機	3.31E-2	2.68E-3	1.17E-2	1.87E-2	8.79E+0
JD262	362210	Repair of aircrafts	航空機修理	4.19E-2	1.18E-3	5.99E-3	3.47E-2	1.75E+1
JD263	362901	Bicycles	自転車	3.75E-2	6.54E-3	1.79E-2	1.31E-2	4.80E+0
JD264	362909	Other transport equipment	その他の輸送機械	3.36E-2	1.46E-3	1.92E-2	1.29E-2	4.82E+0
JD265	371101	Camera	カメラ	2.72E-2	5.34E-4	1.47E-2	1.19E-2	5.92E+0
JD266	371109	Other photographic and optical instruments	その他の光学機械	3.18E-2	7.43E-4	1.65E-2	1.46E-2	7.38E+0

Table A5: Embodied global N<sub>2</sub>O intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global N <sub>2</sub> O intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD267	371201	Watches and clocks	時計	2.61E-2	7.99E-4	1.37E-2	1.16E-2	6.23E+0
JD268	371901	Professional and scientific instruments	理化学機械器具	2.56E-2	8.63E-4	1.50E-2	9.77E-3	4.72E+0
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	2.39E-2	4.23E-4	1.33E-2	1.02E-2	5.24E+0
JD270	371903	Medical instruments	医療用機械器具	3.17E-2	9.36E-4	1.70E-2	1.38E-2	5.62E+0
JD271	391101	Toys and games	がん具	3.16E-2	8.88E-4	1.68E-2	1.39E-2	5.87E+0
JD272	391102	Sporting and athletic goods	運動用品	7.39E-2	8.57E-4	3.29E-2	4.02E-2	6.51E+0
JD273	391901	Musical instruments	楽器	3.18E-2	2.87E-4	1.59E-2	1.56E-2	5.04E+0
JD274	391902	Audio and video records, other information recording media	情報記録物	3.49E-2	2.41E-4	1.98E-2	1.49E-2	6.52E+0
JD275	391903	Stationery	筆記具・文具	4.33E-2	4.81E-4	2.19E-2	2.10E-2	6.40E+0
JD276	391904	Jewelry and adornments	身辺細貨品	4.86E-2	3.89E-4	1.53E-2	3.29E-2	1.42E+1
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	4.07E-1	2.60E-4	2.24E-1	1.83E-1	7.80E+0
JD278	391906	Ordnance	武器	4.55E-2	2.79E-4	2.51E-2	2.01E-2	5.56E+0
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	4.54E-2	2.76E-4	2.63E-2	1.88E-2	5.41E+0
JD280	392101	Reuse and recycling	再生资源回収・加工処理	3.87E-2	2.36E-3	2.30E-2	1.34E-2	5.95E+0
JD281	411101	Residential construction (wooden)	住宅建築(木造)	3.54E-2	3.93E-4	1.75E-2	1.76E-2	4.46E+0
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	3.82E-2	9.09E-4	2.37E-2	1.36E-2	4.07E+0
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	3.43E-2	4.49E-4	1.86E-2	1.53E-2	4.51E+0
JD284	411202	Non-residential construction (non- wooden)	非住宅建築(非木造)	3.69E-2	9.37E-4	2.27E-2	1.32E-2	4.35E+0
JD285	412101	Repair of construction	建設補修	3.81E-2	1.29E-3	2.39E-2	1.29E-2	3.93E+0
JD286	413101	Public construction of roads	道路関係公共事業	5.44E-2	3.19E-3	3.57E-2	1.56E-2	4.21E+0
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	5.34E-2	2.34E-3	3.82E-2	1.29E-2	3.38E+0
JD288	413103	Agricultural public construction	農林関係公共事業	6.29E-2	3.67E-3	4.38E-2	1.54E-2	3.61E+0
JD289	413201	Railway construction	鉄道軌道建設	4.89E-2	1.50E-3	3.54E-2	1.20E-2	3.14E+0
JD290	413202	Electric power facilities construction	電力施設建設	3.78E-2	1.16E-3	2.54E-2	1.12E-2	3.85E+0
JD291	413203	Telecommunication facilities construction	電気通信施設建設	4.08E-2	1.89E-3	2.73E-2	1.17E-2	3.84E+0
JD292	413209	Other civil engineering and construction	その他の土木建設	4.74E-2	1.77E-3	3.28E-2	1.28E-2	3.63E+0
JD293	5111001	Electricity	事業用電力	1.76E-1	1.30E-1	1.67E-2	3.00E-2	3.04E+0
JD294	511104	On-site power generation	自家発電	4.13E-1	3.57E-1	1.60E-2	4.03E-2	1.82E+0
JD295	512101	Gas supply	都市ガス	3.98E-2	3.66E-5	1.25E-2	2.73E-2	2.19E+1
JD296	512201	Steam and hot water supply	熱供給業	1.02E-1	5.18E-2	3.03E-2	2.03E-2	3.92E+0
JD297	521101	Water supply	上水道・簡易水道	1.88E-2	1.34E-4	1.38E-2	4.81E-3	3.60E+0
JD298	521102	Industrial water supply	工業用水	1.26E-2	1.09E-4	8.65E-3	3.79E-3	4.45E+0
JD299	521103	Sewage disposal **	下水道★★	9.44E-1	8.76E-1	4.06E-2	2.75E-2	4.59E-1
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	2.90E-1	2.52E-1	2.55E-2	1.25E-2	6.57E-1
JD301	521202	Waste management services (private)	廃棄物処理(産業)	8.73E-1	8.48E-1	1.70E-2	8.25E-3	1.41E-1
JD302	611101	Wholesale trade	卸売	1.55E-2	1.34E-4	9.02E-3	6.31E-3	5.83E+0
JD303	611201	Retail trade	小売	2.47E-2	5.68E-4	1.64E-2	7.77E-3	4.66E+0
JD304	621101	Financial service	金融	9.79E-3	3.13E-5	5.93E-3	3.83E-3	6.49E+0
JD305	621201	Life insurance	生命保険	1.35E-2	6.44E-5	9.13E-3	4.33E-3	4.33E+0
JD306	621202	Non-life insurance	損害保険	9.17E-3	6.29E-5	5.99E-3	3.12E-3	4.57E+0
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	1.10E-2	1.14E-4	7.06E-3	3.80E-3	4.72E+0
JD308	641102	Real estate rental service	不動産賃貸業	8.91E-3	2.37E-4	5.85E-3	2.83E-3	4.85E+0
JD309	642101	House rent	住宅賃貸料	6.22E-3	1.02E-4	3.63E-3	2.49E-3	5.24E+0
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	2.78E-3	0.00E+0	1.79E-3	9.88E-4	4.34E+0
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	4.46E-2	1.18E-2	2.57E-2	7.16E-3	2.15E+0
JD312	711201	Railway transport (freight)	鉄道貨物輸送	1.07E-1	5.40E-2	4.13E-2	1.19E-2	1.73E+0
JD313	712101	Bus transport service	バス	4.57E-2	1.91E-2	6.26E-3	2.03E-2	7.33E+0
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	4.19E-2	2.57E-2	4.10E-3	1.21E-2	7.91E+0
JD315	712201	Road freight transport(except Self- transport by private cars)	道路貨物輸送(除自家輸送)	5.53E-2	2.39E-2	8.06E-3	2.33E-2	7.36E+0
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	2.19E-1	1.13E-1	1.46E-2	9.16E-2	7.40E+0
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	1.83E-1	8.75E-2	1.44E-2	8.07E-2	7.67E+0
JD318	714101	Ocean transport	外洋輸送	2.97E-1	6.13E-2	4.51E-3	2.31E-1	2.52E+1
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	1.54E-1	1.02E-1	1.29E-2	3.84E-2	4.32E+0
JD320	714301	Harbor transport service	港湾運送	2.09E-2	8.26E-3	5.64E-3	7.03E-3	5.26E+0
JD321	715101	Air transport	航空輸送	1.57E-1	1.11E-1	8.97E-3	3.69E-2	4.35E+0
JD322	716101	Consigned freight forwarding	貨物利用運送	1.69E-2	8.18E-4	7.93E-3	8.18E-3	7.29E+0
JD323	717101	Storage facility service	倉庫	2.10E-2	1.07E-4	1.57E-2	5.22E-3	3.52E+0
JD324	718101	Packing service	こん包	3.07E-2	1.24E-4	1.77E-2	1.28E-2	4.61E+0
JD325	718901	Facility service for road transport	道路輸送施設提供	1.69E-2	1.22E-4	1.28E-2	3.94E-3	3.21E+0
JD326	718902	Port and water traffic control **	水運施設管理★★	2.76E-2	9.71E-4	1.98E-2	6.82E-3	3.57E+0
JD327	718903	Services relating to water transport	その他の水運付帯サービス	2.15E-2	2.25E-4	1.86E-2	2.71E-3	1.80E+0
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	2.30E-2	1.48E-4	1.57E-2	7.14E-3	4.15E+0
JD329	718905	Airport and air traffic control	航空施設管理(産業)	2.60E-2	7.30E-4	1.81E-2	7.22E-3	3.93E+0
JD330	718906	Services relating to air transport	その他の航空付帯サービス	3.19E-2	2.55E-4	1.88E-2	1.28E-2	5.71E+0
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	1.19E-2	8.27E-5	6.78E-3	4.99E-3	5.43E+0
JD332	731101	Postal service*	郵便・信書便	1.41E-2	2.31E-4	7.85E-3	6.06E-3	6.85E+0
JD333	731201	Fixed telecommunication	固定電気通信	1.55E-2	8.78E-5	1.02E-2	5.14E-3	4.28E+0
JD334	731202	Mobile telecommunication	移動電気通信	1.49E-2	9.49E-5	1.12E-2	3.63E-3	3.11E+0
JD335	731203	Other telecommunication	その他の電気通信	1.79E-2	9.43E-5	1.14E-2	6.39E-3	4.63E+0
JD336	731909	Other services relating to communication	その他の通信サービス	1.47E-2	2.19E-4	9.62E-3	4.90E-3	4.37E+0
JD337	732101	Public broadcasting	公共放送	3.52E-2	8.54E-5	2.60E-2	9.20E-3	3.48E+0
JD338	732102	Private broadcasting	民間放送	2.61E-2	1.65E-4	1.31E-2	1.28E-2	6.58E+0
JD339	732103	Cable broadcasting	有線放送	1.51E-2	1.27E-4	8.61E-3	6.40E-3	5.31E+0
JD340	733101	Information services	情報サービス	1.22E-2	4.61E-5	7.08E-3	5.10E-3	5.68E+0
JD341	734101	Internet based services	インターネット附随サービス	1.70E-2	6.16E-5	1.07E-2	6.27E-3	4.78E+0
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	4.00E-2	2.63E-4	1.39E-2	2.58E-2	1.10E+1
JD343	735102	Newspaper	新聞	4.32E-2	3.38E-5	2.89E-2	1.43E-2	4.58E+0
JD344	735103	Publication	出版	3.62E-2	3.17E-5	2.48E-2	1.14E-2	4.26E+0
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	1.32E-2	1.32E-5	7.55E-3	5.63E-3	6.20E+0
JD346	811101	Public administration (central) **	公務(中央)★★	2.26E-2	3.59E-4	1.05E-2	1.17E-2	7.03E+0
JD347	811201	Public administration (local) **	公務(地方)★★	3.36E-2	4.95E-4	2.81E-2	5.08E-3	2.30E+0
JD348	821101	School education (public) **	学校教育(国公立)★★	1.06E-2	1.87E-4	8.31E-3	2.08E-3	3.05E+0
JD349	821102	School education (private) *	学校教育(私立)★	1.82E-2	3.63E-4	1.27E-2	5.16E-3	4.02E+0
JD350	821301	Social education (public) **	社会教育(国公立)★★	3.96E-2	4.10E-4	2.04E-2	1.88E-2	7.37E+0
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	5.64E-2	3.11E-4	2.49E-2	3.12E-2	8.88E+0
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★	5.56E-2	3.20E-3	3.46E-2	1.78E-2	5.18E+0

Table A5: Embodied global N<sub>2</sub>O intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global N <sub>2</sub> O intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	2.22E-2	2.24E-3	7.65E-3	1.23E-2	9.12E+0
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	5.00E-2	1.19E-3	2.10E-2	2.78E-2	6.60E+0
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	3.07E-2	1.50E-3	1.48E-2	1.43E-2	7.04E+0
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	5.28E-2	8.44E-4	2.24E-2	2.95E-2	6.59E+0
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	2.51E-2	4.06E-4	1.76E-2	7.14E-3	3.94E+0
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	6.06E-2	2.83E-3	2.32E-2	3.46E-2	7.68E+0
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	1.52E-2	4.26E-4	8.75E-3	6.01E-3	5.49E+0
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	3.57E-2	6.38E-4	1.86E-2	1.64E-2	6.39E+0
JD361	831101	Medical service (public)	医療(国公立)	5.66E-2	7.31E-3	2.47E-2	2.45E-2	6.95E+0
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	4.89E-2	7.19E-3	2.03E-2	2.14E-2	7.27E+0
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	5.02E-2	8.01E-3	2.01E-2	2.21E-2	7.69E+0
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	3.17E-2	5.85E-4	2.40E-2	7.07E-3	3.25E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	4.59E-2	4.41E-4	3.62E-2	9.21E-3	2.89E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	1.82E-2	2.62E-4	1.36E-2	4.38E-3	3.32E+0
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	2.06E-2	3.58E-4	1.56E-2	4.71E-3	3.26E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	5.51E-2	3.73E-4	2.83E-2	2.65E-2	7.09E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	5.58E-2	2.83E-4	2.91E-2	2.64E-2	7.01E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	5.42E-2	4.58E-4	2.80E-2	2.57E-2	6.81E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	5.64E-2	2.65E-4	3.06E-2	2.56E-2	6.88E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	6.97E-2	4.29E-4	3.65E-2	3.28E-2	7.18E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	2.11E-2	6.12E-4	1.09E-2	9.59E-3	6.06E+0
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	1.64E-2	3.62E-4	9.07E-3	6.95E-3	5.42E+0
JD375	851101	Advertising services	広告	2.49E-2	1.43E-4	1.42E-2	1.06E-2	5.52E+0
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	9.93E-3	4.67E-5	5.19E-3	4.70E-3	5.93E+0
JD377	851301	Car rental and leasing	貸自動車業	1.23E-2	4.04E-4	5.63E-3	6.28E-3	6.92E+0
JD378	851410	Repair of motor vehicles	自動車修理	3.38E-2	8.99E-5	1.68E-2	1.69E-2	6.67E+0
JD379	851510	Repair of machine	機械修理	2.49E-2	5.61E-5	1.40E-2	1.08E-2	5.56E+0
JD380	851901	Building maintenance services	建物サービス	1.23E-2	1.56E-4	7.14E-3	4.99E-3	5.61E+0
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	7.47E-3	2.10E-4	4.00E-3	3.26E-3	6.08E+0
JD382	851903	Civil engineering and construction services	土木建築サービス	1.37E-2	3.44E-4	7.71E-3	5.68E-3	5.54E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	1.65E-3	2.65E-5	9.51E-4	6.76E-4	5.39E+0
JD384	851909	Other business services	その他の対事業所サービス	8.48E-3	5.68E-5	4.76E-3	3.66E-3	5.85E+0
JD385	861101	Movie theaters	映画館	4.50E-2	8.08E-4	2.43E-2	1.99E-2	7.11E+0
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	7.35E-2	1.00E-4	3.38E-2	3.96E-2	8.82E+0
JD387	861103	Amusement and recreation facilities	遊戯場	3.11E-2	8.49E-4	2.11E-2	9.17E-3	4.51E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	1.09E-1	3.11E-4	4.91E-2	5.91E-2	1.00E+1
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	3.47E-2	4.41E-4	2.01E-2	1.42E-2	5.71E+0
JD390	861109	Other amusement and recreation services	その他の娯楽	3.63E-2	4.00E-4	2.60E-2	9.96E-3	3.93E+0
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	2.98E-1	5.84E-4	1.16E-1	1.82E-1	9.86E+0
JD392	861202	Coffee shops	喫茶店	2.34E-1	8.71E-4	1.10E-1	1.23E-1	8.37E+0
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	1.76E-1	6.03E-4	6.73E-2	1.08E-1	9.65E+0
JD394	861301	Hotels	宿泊業	1.77E-1	7.37E-4	9.09E-2	8.51E-2	7.57E+0
JD395	861401	Cleaning	洗濯業	4.00E-2	1.15E-3	2.99E-2	8.90E-3	3.44E+0
JD396	861402	Barber shops	理容業	1.36E-2	9.43E-4	6.83E-3	5.87E-3	6.74E+0
JD397	861403	Beauty shops	美容業	1.69E-2	5.27E-4	1.08E-2	5.60E-3	4.71E+0
JD398	861404	Public baths	浴場業	4.92E-2	3.93E-3	3.04E-2	1.49E-2	4.91E+0
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	2.38E-2	7.69E-4	1.44E-2	8.65E-3	5.15E+0
JD400	861901	Photographic studios	写真業	2.90E-2	1.27E-4	1.82E-2	1.07E-2	5.27E+0
JD401	861902	Ceremonial occasions	冠婚葬祭業	6.24E-2	9.83E-4	3.43E-2	2.71E-2	5.31E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	4.93E-2	5.04E-4	3.88E-2	1.00E-2	2.77E+0
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	1.71E-2	2.07E-4	1.20E-2	4.95E-3	4.02E+0
JD404	861909	Other personal services	その他の対個人サービス	2.56E-2	3.44E-4	1.81E-2	7.12E-3	3.98E+0
JD405	890000	Office supplies	事務用品	5.80E-2	0.00E+0	3.81E-2	1.99E-2	4.58E+0
JD406	900000	Activities not elsewhere classified	分類不明	4.95E-2	7.39E-4	3.20E-2	1.67E-2	4.63E+0

Table A6: Embodied global PFCs intensities of Japanese goods and services based on producer price in 2005 [1/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global PFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD1	011101	Rice	米	1.40E-3	0.00E+0	7.09E-4	6.87E-4	8.58E+1
JD2	011102	Wheat, barley and the like	麦類	1.70E-3	0.00E+0	8.28E-4	8.74E-4	8.62E+1
JD3	011201	Potatoes and sweet potatoes	いも類	1.20E-3	0.00E+0	5.80E-4	6.23E-4	8.94E+1
JD4	011202	Pulses	豆類	1.73E-3	0.00E+0	9.34E-4	7.98E-4	8.05E+1
JD5	011301	Vegetables	野菜	1.10E-3	0.00E+0	4.36E-4	6.65E-4	1.14E+2
JD6	011401	Fruits	果実	9.40E-4	0.00E+0	3.36E-4	6.04E-4	1.14E+2
JD7	011501	Sugar crops	砂糖原料作物	1.12E-3	0.00E+0	4.76E-4	6.43E-4	9.64E+1
JD8	011502	Crops for beverages	飲料用作物	1.26E-3	0.00E+0	5.41E-4	7.14E-4	9.11E+1
JD9	011509	Other edible crops	その他の食用耕種作物	1.49E-3	0.00E+0	7.28E-4	7.64E-4	9.02E+1
JD10	011601	Crops for feed and forage	飼料作物	1.77E-3	0.00E+0	9.09E-4	8.61E-4	8.36E+1
JD11	011602	Seeds and seedlings	種苗	1.06E-3	0.00E+0	2.94E-4	7.61E-4	1.76E+2
JD12	011603	Flowers and plants	花き・花木類	1.77E-3	0.00E+0	5.39E-4	1.23E-3	1.55E+2
JD13	011609	Other inedible crops	その他の非食用耕種作物	8.52E-4	0.00E+0	4.13E-4	4.39E-4	9.08E+1
JD14	012101	Dairy cattle farming	酪農	1.49E-3	0.00E+0	6.44E-4	8.46E-4	9.09E+1
JD15	012102	Hen eggs	鶏卵	1.30E-3	0.00E+0	5.01E-4	8.01E-4	9.99E+1
JD16	012103	Fowls and broilers	肉鶏	1.58E-3	0.00E+0	6.03E-4	9.74E-4	1.01E+2
JD17	012104	Hogs	豚	1.37E-3	0.00E+0	5.34E-4	8.39E-4	9.95E+1
JD18	012105	Beef cattle	肉用牛	1.47E-3	0.00E+0	5.71E-4	8.96E-4	9.39E+1
JD19	012109	Other livestock	その他の畜産	1.38E-3	0.00E+0	5.69E-4	8.09E-4	9.44E+1
JD20	013101	Veterinary service	獣医薬	2.17E-3	0.00E+0	8.05E-4	1.37E-3	1.29E+2
JD21	013102	Agricultural services (except veterinary service)	農業サービス (除獣医薬)	1.82E-3	0.00E+0	8.95E-4	9.23E-4	8.95E+1
JD22	021101	Silviculture	育林	5.35E-4	0.00E+0	2.98E-4	2.37E-4	8.02E+1
JD23	021201	Logs	素材	1.55E-3	0.00E+0	7.57E-4	7.90E-4	9.35E+1
JD24	021301	Special forest products (inc. hunting)	特用林産物(含狩猟業)	2.00E-3	0.00E+0	8.23E-4	1.18E-3	1.13E+2
JD25	031101	Marine fisheries	海面漁業	2.07E-3	0.00E+0	3.40E-4	1.73E-3	1.54E+2
JD26	031104	Marine culture	海面養殖業	1.71E-3	0.00E+0	4.87E-4	1.22E-3	1.11E+2
JD27	0312001	Inland water fisheries and culture	内水面漁業・養殖業	1.31E-3	0.00E+0	4.26E-4	8.86E-4	1.33E+2
JD28	061101	Metallic ores	金属鉱物	2.23E-3	0.00E+0	1.05E-3	1.18E-3	9.62E+1
JD29	062101	Materials for ceramics	窯業原料鉱物	2.83E-3	0.00E+0	1.40E-3	1.43E-3	1.03E+2
JD30	062201	Gravel and quarrying	砂利・採石	3.54E-3	0.00E+0	1.99E-3	1.56E-3	9.56E+1
JD31	062202	Crushed stones	砕石	3.04E-3	0.00E+0	1.67E-3	1.37E-3	9.88E+1
JD32	062909	Other non-metallic ores	その他の非金属鉱物	3.47E-3	0.00E+0	1.52E-3	1.94E-3	1.16E+2
JD33	071101	Coal mining, crude petroleum and natural gas	石炭・原油・天然ガス	1.82E-3	0.00E+0	9.73E-4	8.43E-4	7.87E+1
JD34	0711011	Coal mining	石炭	1.82E-3	0.00E+0	9.73E-4	8.43E-4	7.87E+1
JD35	0711012	Crude petroleum	原油	1.82E-3	0.00E+0	9.73E-4	8.43E-4	7.87E+1
JD36	0711013	Natural gas	天然ガス	1.82E-3	0.00E+0	9.73E-4	8.43E-4	7.87E+1
JD37	111101	Slaughtering and meat processing	と畜(含肉鶏処理)	1.37E-3	0.00E+0	5.52E-4	8.17E-4	9.54E+1
JD38	111201	Processed meat products	肉加工品	1.85E-3	0.00E+0	3.20E-4	1.53E-3	1.41E+2
JD39	111202	Bottled or canned meat products	畜産びん・かん詰	1.20E-3	0.00E+0	3.97E-4	8.05E-4	9.90E+1
JD40	111203	Dairy farm products	酪農品	1.50E-3	0.00E+0	5.85E-4	9.13E-4	9.79E+1
JD41	111301	Frozen fish and shellfish	冷凍魚介類	1.66E-3	0.00E+0	3.19E-4	1.34E-3	1.16E+2
JD42	111302	Salted, dried or smoked seafood	塩・干・くん製品	1.72E-3	0.00E+0	2.89E-4	1.44E-3	1.02E+2
JD43	111303	Bottled or canned seafood	水産びん・かん詰	1.46E-3	0.00E+0	4.05E-4	1.06E-3	9.85E+1
JD44	111304	Fish paste	ねり製品	1.61E-3	0.00E+0	4.17E-4	1.20E-3	9.28E+1
JD45	111309	Other processed seafood	その他の水産食品	1.37E-3	0.00E+0	3.39E-4	1.03E-3	9.79E+1
JD46	111401	Grain milling	精穀	1.29E-3	0.00E+0	6.53E-4	6.35E-4	8.64E+1
JD47	111402	Flour and other grain milled products	製粉	1.81E-3	0.00E+0	5.68E-4	1.24E-3	1.03E+2
JD48	111501	Noodles	めん類	1.32E-3	0.00E+0	4.72E-4	8.50E-4	1.02E+2
JD49	111502	Bread	パン類	1.19E-3	0.00E+0	4.82E-4	7.12E-4	9.19E+1
JD50	111503	Confectionery	菓子類	1.23E-3	0.00E+0	4.27E-4	8.00E-4	9.79E+1
JD51	111601	Bottled or canned vegetables and fruits	農産びん・かん詰	1.36E-3	0.00E+0	5.61E-4	8.00E-4	9.73E+1
JD52	111602	Preserved agricultural foodstuffs (other than bottled or canned)	農産保存食料品(除びん・かん詰)	9.45E-4	0.00E+0	3.91E-4	5.55E-4	1.01E+2
JD53	111701	Sugar	砂糖	1.80E-3	0.00E+0	5.00E-4	1.30E-3	1.14E+2
JD54	111702	Starch	でん粉	1.38E-3	0.00E+0	3.58E-4	1.02E-3	1.20E+2
JD55	111703	Dextrose, syrup and isomerized sugar	ぶどう糖・水あめ・異性化糖	1.51E-3	0.00E+0	4.49E-4	1.06E-3	1.22E+2
JD56	111704	Vegetable oils and meal	植物油脂	1.54E-3	0.00E+0	4.31E-4	1.11E-3	1.26E+2
JD57	111705	Animal oils and fats	動物油脂	1.61E-3	0.00E+0	5.23E-4	1.09E-3	1.12E+2
JD58	111706	Condiments and seasonings	調味料	1.24E-3	0.00E+0	5.04E-4	7.34E-4	9.72E+1
JD59	111901	Prepared frozen foods	冷凍調理食品	1.50E-3	0.00E+0	5.20E-4	9.79E-4	9.14E+1
JD60	111902	Retort foods	レトルト食品	1.56E-3	0.00E+0	4.84E-4	1.08E-3	9.42E+1
JD61	111903	Dishes, sushi and lunch boxes	そう菜・すし・弁当	1.29E-3	0.00E+0	4.56E-4	8.33E-4	9.35E+1
JD62	111904	School lunch (public) **	学校給食(国公立)★★	8.99E-4	0.00E+0	3.18E-4	5.81E-4	1.01E+2
JD63	111905	School lunch (private) *	学校給食(私立)★	9.99E-4	0.00E+0	3.78E-4	6.21E-4	9.50E+1
JD64	111909	Other foods	その他の食料品	1.34E-3	0.00E+0	5.37E-4	8.04E-4	9.87E+1
JD65	112101	Refined sake	清酒	9.10E-4	0.00E+0	4.26E-4	4.84E-4	9.07E+1
JD66	112102	Beer	ビール	6.23E-4	0.00E+0	2.78E-4	3.46E-4	8.48E+1
JD67	112103	Whiskey and brandy	ウイスキー類	7.10E-4	0.00E+0	2.48E-4	4.61E-4	1.09E+2
JD68	112109	Other liquors	その他の酒類	9.48E-4	0.00E+0	3.85E-4	5.64E-4	1.03E+2
JD69	112901	Tea and roasted coffee	茶・コーヒー	1.90E-3	0.00E+0	4.16E-4	1.49E-3	9.37E+1
JD70	112902	Soft drinks	清涼飲料	1.17E-3	0.00E+0	4.71E-4	7.04E-4	9.04E+1
JD71	112903	Manufactured ice	製氷	4.25E-3	0.00E+0	2.58E-3	1.66E-3	7.39E+1
JD72	113101	Animal feed	飼料	1.38E-3	0.00E+0	3.93E-4	9.88E-4	1.16E+2
JD73	113102	Organic fertilizers, n.e.c.	有機質肥料(除別掲)	1.14E-3	0.00E+0	3.52E-4	7.86E-4	9.86E+1
JD74	114101	Tobacco	たばこ	3.49E-4	0.00E+0	1.43E-4	2.07E-4	9.80E+1
JD75	151101	Fiber yarns	紡績糸	1.23E-3	0.00E+0	3.73E-4	8.56E-4	1.26E+2
JD76	151201	Cotton and staple fiber fabrics (inc. fabrics of synthetic spun fibers)	綿・スフ織物(含合繊短繊維織物)	1.34E-3	0.00E+0	4.42E-4	8.98E-4	1.30E+2
JD77	151202	Silk and artificial silk fabrics (inc. fabrics of synthetic filament fibers)	絹・人絹織物(含合繊長繊維織物)	1.52E-3	0.00E+0	4.84E-4	1.03E-3	1.25E+2
JD78	151203	Woolen fabrics, hemp fabrics and other fabrics	毛織物・麻織物・その他の織物	1.29E-3	0.00E+0	4.03E-4	8.85E-4	1.28E+2
JD79	151301	Knitting fabrics	ニット生地	1.07E-3	0.00E+0	3.54E-4	7.13E-4	1.27E+2
JD80	151401	Yarn and fabric dyeing and finishing (processing on commission only)	染色整理	1.66E-3	0.00E+0	4.66E-4	1.19E-3	1.40E+2
JD81	151901	Ropes and nets	綱・網	1.45E-3	0.00E+0	4.69E-4	9.84E-4	1.25E+2
JD82	151902	Carpets and floor mats	じゅうたん・床敷物	1.56E-3	0.00E+0	5.27E-4	1.03E-3	1.24E+2
JD83	151903	Fabricated textiles for medical use	繊維製衛生材料	1.16E-3	0.00E+0	4.76E-4	6.81E-4	9.86E+1
JD84	151909	Other fabricated textile products	その他の繊維工業製品	1.55E-3	0.00E+0	5.84E-4	9.61E-4	1.15E+2
JD85	152101	Woven fabric apparel	織物製衣服	1.19E-3	0.00E+0	4.39E-4	7.54E-4	1.24E+2
JD86	152102	Knitted apparel	ニット製衣服	1.16E-3	0.00E+0	4.01E-4	7.61E-4	1.19E+2
JD87	152209	Other wearing apparel and clothing accessories	その他の衣服・身の回り品	1.24E-3	0.00E+0	4.45E-4	7.96E-4	1.19E+2
JD88	152901	Bedding	寝具	1.12E-3	0.00E+0	3.33E-4	7.86E-4	1.12E+2
JD89	152909	Other ready-made textile products	その他の繊維既製品	1.00E-3	0.00E+0	3.56E-4	6.48E-4	1.20E+2
JD90	161101	Timber	製材	4.65E-3	0.00E+0	5.66E-4	4.08E-3	1.25E+2
JD91	161102	Plywood	合板	3.73E-3	0.00E+0	9.11E-4	2.82E-3	9.95E+1
JD92	161103	Wooden chips	木材チップ	2.20E-3	0.00E+0	8.81E-4	1.32E-3	8.26E+1

Table A6: Embodied global PFCs intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global PFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD93	161909	Other wooden products	その他の木製品	1.99E-3	0.00E+0	7.51E-4	1.24E-3	8.25E+1
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	1.38E-3	0.00E+0	4.95E-4	8.84E-4	9.06E+1
JD95	171102	Wooden fixtures	木製建具	1.40E-3	0.00E+0	4.23E-4	9.73E-4	9.17E+1
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	1.58E-3	0.00E+0	6.90E-4	8.91E-4	8.13E+1
JD97	181101	Pulp	パルプ	2.65E-3	0.00E+0	4.62E-4	2.19E-3	1.30E+2
JD98	181201	Paper	洋紙・和紙	2.10E-3	0.00E+0	4.73E-4	1.63E-3	9.69E+1
JD99	181202	Paperboard	板紙	2.10E-3	0.00E+0	5.45E-4	1.55E-3	1.00E+2
JD100	181301	Corrugated cardboard	段ボール	1.66E-3	0.00E+0	5.94E-4	1.07E-3	9.23E+1
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	1.41E-3	0.00E+0	4.69E-4	9.40E-4	1.04E+2
JD102	182101	Corrugated card board boxes	段ボール箱	1.04E-3	0.00E+0	4.19E-4	6.26E-4	9.42E+1
JD103	182109	Other paper containers	その他の紙製容器	1.14E-3	0.00E+0	3.54E-4	7.90E-4	1.10E+2
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	1.45E-3	0.00E+0	5.06E-4	9.47E-4	1.07E+2
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	1.09E-3	0.00E+0	3.71E-4	7.14E-4	9.81E+1
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	9.00E-4	0.00E+0	3.36E-4	5.65E-4	9.48E+1
JD107	201101	Chemical fertilizer	化学肥料	2.33E-3	0.00E+0	5.55E-4	1.77E-3	1.16E+2
JD108	202101	Industrial soda chemicals	ソーダ工業製品	2.81E-3	0.00E+0	1.02E-3	1.79E-3	1.00E+2
JD109	202901	Inorganic pigment	無機顔料	2.36E-3	0.00E+0	6.55E-4	1.71E-3	1.13E+2
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	2.81E-3	0.00E+0	1.34E-3	1.48E-3	8.73E+1
JD111	202903	Salt	塩	2.86E-3	0.00E+0	1.24E-3	1.62E-3	8.41E+1
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	2.39E-3	0.00E+0	7.95E-4	1.59E-3	1.00E+2
JD113	203101	Petrochemical basic products	石油化学基礎製品	8.38E-3	0.00E+0	7.45E-4	7.64E-3	2.25E+2
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	7.21E-3	0.00E+0	7.37E-4	6.48E-3	2.18E+2
JD115	203201	Aliphatic intermediates	脂肪族中間物	5.23E-3	0.00E+0	1.00E-3	4.23E-3	1.77E+2
JD116	203202	Cyclic intermediates	環状中間物	4.78E-3	0.00E+0	7.86E-4	3.99E-3	1.78E+2
JD117	203301	Synthetic rubber	合成ゴム	4.32E-3	0.00E+0	1.06E-3	3.25E-3	1.60E+2
JD118	203901	Methane derivatives	メタン誘導品	2.45E-3	0.00E+0	8.48E-4	1.60E-3	1.09E+2
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	1.54E-3	0.00E+0	5.44E-4	9.98E-4	1.06E+2
JD120	203903	Plasticizers	可塑剤	2.25E-3	0.00E+0	5.15E-4	1.73E-3	1.44E+2
JD121	203904	Synthetic dyes	合成染料	2.02E-3	0.00E+0	3.49E-4	1.67E-3	1.72E+2
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	2.36E-3	0.00E+0	6.50E-4	1.71E-3	1.26E+2
JD123	204101	Thermo-setting resins	熱硬化性樹脂	2.76E-3	0.00E+0	5.81E-4	2.18E-3	1.54E+2
JD124	204102	Thermoplastics resins	熱可塑性樹脂	4.98E-3	0.00E+0	7.98E-4	4.18E-3	1.92E+2
JD125	204103	High function resins	高機能性樹脂	3.06E-3	0.00E+0	6.91E-4	2.37E-3	1.52E+2
JD126	204109	Other resins	その他の合成樹脂	3.02E-3	0.00E+0	6.34E-4	2.38E-3	1.55E+2
JD127	205101	Rayon and acetate	レーヨン・アセテート	2.35E-3	0.00E+0	7.33E-4	1.62E-3	1.10E+2
JD128	205102	Synthetic fibers	合成繊維	2.58E-3	0.00E+0	6.38E-4	1.94E-3	1.44E+2
JD129	206101	Medicaments	医薬品	1.25E-3	0.00E+0	4.66E-4	7.81E-4	1.06E+2
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	1.57E-3	0.00E+0	4.59E-4	1.11E-3	1.29E+2
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	1.29E-3	0.00E+0	4.53E-4	8.33E-4	1.09E+2
JD132	207201	Paint and varnishes	塗料	2.11E-3	0.00E+0	5.40E-4	1.57E-3	1.36E+2
JD133	207202	Printing ink	印刷インキ	1.94E-3	0.00E+0	5.11E-4	1.43E-3	1.36E+2
JD134	207301	Photographic sensitive materials	写真感光材料	1.67E-3	0.00E+0	5.46E-4	1.12E-3	1.07E+2
JD135	207401	Agricultural chemicals	農薬	1.57E-3	0.00E+0	5.15E-4	1.05E-3	1.18E+2
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	1.82E-3	0.00E+0	4.74E-4	1.35E-3	1.38E+2
JD137	207909	Other final chemical products	その他の化学最終製品	2.10E-3	0.00E+0	6.10E-4	1.49E-3	1.24E+2
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	9.62E-3	0.00E+0	6.87E-4	8.93E-3	2.63E+2
JD139	212101	Coal products	石炭製品	5.13E-3	0.00E+0	4.09E-4	4.72E-3	1.28E+2
JD140	212102	Paving materials	舗装材料	3.50E-3	0.00E+0	8.48E-4	2.66E-3	1.87E+2
JD141	221101	Plastic products	プラスチック製品	1.83E-3	0.00E+0	5.93E-4	1.23E-3	1.25E+2
JD142	231101	Tires and inner tubes	タイヤ・チューブ	1.97E-3	0.00E+0	7.21E-4	1.25E-3	1.09E+2
JD143	231901	Rubber footwear	ゴム製履物	9.40E-4	0.00E+0	3.57E-4	5.83E-4	1.13E+2
JD144	231902	Plastic footwear	プラスチック製履物	1.03E-3	0.00E+0	3.49E-4	6.81E-4	1.18E+2
JD145	231909	Other rubber products	その他のゴム製品	1.66E-3	0.00E+0	7.01E-4	9.58E-4	9.92E+1
JD146	241101	Leather footwear	革製履物	1.00E-3	0.00E+0	3.37E-4	6.66E-4	1.19E+2
JD147	241201	Leather and fur skins	製革・毛皮	1.80E-3	0.00E+0	3.63E-4	1.44E-3	1.28E+2
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	1.13E-3	0.00E+0	3.61E-4	7.73E-4	1.15E+2
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	1.64E-3	0.00E+0	6.47E-4	9.94E-4	9.87E+1
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	2.42E-3	0.00E+0	1.05E-3	1.37E-3	1.01E+2
JD151	251909	Other glass products	その他のガラス製品	1.92E-3	0.00E+0	8.72E-4	1.05E-3	9.28E+1
JD152	252101	Cement	セメント	2.67E-3	0.00E+0	9.10E-4	1.76E-3	9.24E+1
JD153	252201	Ready mixed concrete	生コンクリート	2.08E-3	0.00E+0	1.02E-3	1.05E-3	9.00E+1
JD154	252301	Cement products	セメント製品	1.60E-3	0.00E+0	7.91E-4	8.07E-4	8.33E+1
JD155	253101	Pottery, china and earthenware	陶磁器	1.88E-3	0.00E+0	7.42E-4	1.14E-3	1.03E+2
JD156	259901	Clay refractories	耐火物	2.88E-3	0.00E+0	1.47E-3	1.40E-3	7.26E+1
JD157	259902	Other structural clay products	その他の建設用土石製品	1.65E-3	0.00E+0	4.49E-4	1.20E-3	1.44E+2
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	2.35E-3	0.00E+0	1.05E-3	1.30E-3	9.09E+1
JD159	259904	Abrasive	研磨材	1.87E-3	0.00E+0	7.73E-4	1.09E-3	8.72E+1
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	1.91E-3	0.00E+0	9.31E-4	9.75E-4	8.32E+1
JD161	261101	Pig iron	鉄鉄	3.50E-3	0.00E+0	4.59E-4	3.04E-3	1.38E+2
JD162	261102	Ferro alloys	フェロアロイ	3.03E-3	0.00E+0	7.46E-4	2.28E-3	1.10E+2
JD163	261103	Crude steel (converters)	粗鋼(転炉)	2.88E-3	0.00E+0	6.74E-4	2.20E-3	1.10E+2
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	2.17E-3	0.00E+0	5.71E-4	1.60E-3	1.00E+2
JD165	2612011	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	2.12E-3	0.00E+0	5.66E-4	1.55E-3	9.72E+1
JD167	262201	Steel pipes and tubes	鋼管	1.70E-3	0.00E+0	5.25E-4	1.17E-3	9.16E+1
JD168	262301	Cold-finished steel	冷間仕上げ鋼材	1.90E-3	0.00E+0	5.31E-4	1.37E-3	9.47E+1
JD169	262302	Coated steel	めっき鋼材	1.82E-3	0.00E+0	6.03E-4	1.22E-3	8.89E+1
JD170	263101	Cast and forged steel	鍛造鋼	1.81E-3	0.00E+0	6.82E-4	1.13E-3	8.40E+1
JD171	263102	Cast iron pipes and tubes	铸铁管	1.53E-3	0.00E+0	5.70E-4	9.63E-4	1.02E+2
JD172	263103	Cast and forged materials (iron)	铸铁品及び鍛工品(鉄)	2.20E-3	0.00E+0	9.79E-4	1.22E-3	8.27E+1
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	1.53E-3	0.00E+0	4.93E-4	1.03E-3	9.00E+1
JD174	264909	Other iron or steel products	その他の鉄鋼製品	1.24E-3	0.00E+0	4.37E-4	8.07E-4	9.03E+1
JD175	271101	Copper	銅	3.89E-3	0.00E+0	3.80E-4	3.51E-3	1.79E+2
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	2.88E-3	0.00E+0	6.18E-4	2.26E-3	1.26E+2
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	3.27E-2	2.43E-2	5.80E-3	2.59E-3	1.03E+1
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	3.25E-3	0.00E+0	3.52E-4	2.90E-3	1.70E+2
JD179	2712011	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	3.38E-3	0.00E+0	1.17E-3	2.20E-3	8.52E+1
JD181	272102	Optical fiber cables	光ファイバケーブル	1.23E-2	0.00E+0	1.69E-3	1.06E-2	1.88E+2
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	2.84E-3	0.00E+0	5.18E-4	2.32E-3	1.24E+2
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	1.15E-2	0.00E+0	2.45E-3	9.04E-3	1.02E+2

Table A6: Embodied global PFCs intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global PFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	1.15E-2	0.00E+0	7.93E-3	3.59E-3	3.85E+1
JD185	272204	Nuclear fuels	核燃料	1.84E-3	0.00E+0	2.28E-4	1.62E-3	1.75E+2
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	6.52E-3	0.00E+0	9.67E-4	5.55E-3	1.46E+2
JD187	281101	Metal products for construction	建設用金属製品	2.10E-3	0.00E+0	9.96E-4	1.10E-3	7.67E+1
JD188	281201	Metal products for architecture	建築用金属製品	2.98E-3	0.00E+0	9.21E-4	2.06E-3	8.58E+1
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	1.76E-2	0.00E+0	1.56E-2	2.05E-3	1.81E+1
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	1.50E-3	0.00E+0	6.29E-4	8.71E-4	8.50E+1
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	1.45E-3	0.00E+0	5.94E-4	8.53E-4	7.96E+1
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末や金製品・道具類	1.85E-3	0.00E+0	6.88E-4	1.16E-3	9.29E+1
JD193	289909	Other metal products	その他の金属製品	2.73E-3	0.00E+0	1.75E-3	9.78E-4	4.66E+1
JD194	301101	Boilers	ボイラ	1.53E-3	0.00E+0	6.55E-4	8.76E-4	1.09E+2
JD195	301102	Turbines	タービン	2.90E-3	0.00E+0	7.89E-4	2.11E-3	1.53E+2
JD196	301103	Engines	原動機	5.20E-3	0.00E+0	3.27E-3	1.93E-3	7.03E+1
JD197	301201	Conveyors	運搬機械	1.57E-2	0.00E+0	8.26E-3	7.42E-3	1.14E+2
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	2.30E-2	0.00E+0	6.39E-3	1.66E-2	1.87E+2
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	8.22E-3	0.00E+0	1.96E-3	6.26E-3	1.86E+2
JD200	301902	Machinists' precision tools	機械工具	2.74E-3	0.00E+0	1.37E-3	1.37E-3	9.23E+1
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	3.28E-3	0.00E+0	1.55E-3	1.72E-3	1.11E+2
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	3.53E-3	0.00E+0	1.78E-3	1.75E-3	1.03E+2
JD203	302201	Chemical machinery	化学機械	5.00E-3	0.00E+0	3.39E-3	1.62E-3	6.32E+1
JD204	302301	Industrial robots	産業用ロボット	2.64E-2	0.00E+0	1.88E-2	7.59E-3	6.54E+1
JD205	302401	Metal machine tools	金属工作機械	9.01E-3	0.00E+0	5.71E-3	3.29E-3	7.25E+1
JD206	302402	Metal processing machinery	金属加工機械	2.72E-3	0.00E+0	1.56E-3	1.16E-3	7.89E+1
JD207	302901	Machinery for agricultural use	農業用機械	3.35E-3	0.00E+0	2.04E-3	1.31E-3	7.40E+1
JD208	302902	Textile machinery	繊維機械	6.79E-3	0.00E+0	4.45E-3	2.34E-3	7.86E+1
JD209	302903	Food processing machinery and equipment	食品機械・同装置	4.38E-3	0.00E+0	1.96E-3	2.42E-3	1.18E+2
JD210	302904	Semiconductor making equipment	半導体製造装置	5.36E-3	0.00E+0	2.78E-3	2.58E-3	9.83E+1
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	6.50E-3	0.00E+0	1.90E-3	4.60E-3	1.71E+2
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	6.46E-3	0.00E+0	3.62E-3	2.84E-3	9.40E+1
JD213	303101	Metal molds	金型	1.36E-3	0.00E+0	6.75E-4	6.85E-4	7.27E+1
JD214	303102	Bearings	ベアリング	1.59E-3	0.00E+0	6.25E-4	9.63E-4	1.00E+2
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	4.86E-3	0.00E+0	3.60E-3	1.26E-3	4.00E+1
JD216	311101	Copy machine	複写機	7.03E-2	0.00E+0	4.86E-2	2.17E-2	7.04E+1
JD217	311109	Other office machines	その他の事務用機械	5.26E-2	0.00E+0	3.50E-2	1.76E-2	7.86E+1
JD218	311201	Machinery for service industry	サービス用機器	5.55E-2	0.00E+0	4.35E-2	1.20E-2	4.88E+1
JD219	321101	Rotating electrical equipment	回転電気機械	3.34E-2	0.00E+0	2.17E-2	1.16E-2	7.91E+1
JD220	321102	Transformers and reactors	変圧器・変成器	1.30E-2	0.00E+0	4.30E-3	8.66E-3	1.49E+2
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	4.70E-2	0.00E+0	3.47E-2	1.24E-2	5.74E+1
JD222	321104	Wiring devices and supplies	配線器具	3.15E-2	0.00E+0	2.73E-3	2.88E-2	2.31E+2
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	1.91E-2	0.00E+0	1.24E-2	6.74E-3	8.41E+1
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	3.34E-2	0.00E+0	2.20E-2	1.14E-2	7.57E+1
JD225	322101	Applied electronic equipment	電子応用装置	7.74E-2	0.00E+0	3.85E-2	3.90E-2	1.09E+2
JD226	323101	Electric measuring instruments	電気計測器	5.86E-2	0.00E+0	2.49E-2	3.37E-2	1.34E+2
JD227	324101	Electric bulbs	電球類	3.12E-2	0.00E+0	2.15E-3	2.90E-2	1.91E+2
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	6.95E-2	0.00E+0	2.42E-2	4.53E-2	2.01E+2
JD229	324103	Batteries	電池	7.59E-3	0.00E+0	8.81E-4	6.71E-3	1.67E+2
JD230	324109	Other electrical devices and parts	その他の電気機械器具	9.98E-3	0.00E+0	9.91E-4	8.99E-3	1.65E+2
JD231	325101	Household air-conditioners	民生用エアコンディショナ	4.38E-2	0.00E+0	3.00E-2	1.38E-2	7.15E+1
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	5.74E-2	0.00E+0	4.10E-2	1.64E-2	6.59E+1
JD233	331101	Video recording and playback equipment	ビデオ機器	6.48E-2	0.00E+0	4.11E-2	2.36E-2	8.32E+1
JD234	331102	Electric audio equipment	電気音響機器	5.46E-2	0.00E+0	3.21E-2	2.24E-2	9.00E+1
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	1.22E-1	0.00E+0	9.93E-2	2.24E-2	3.97E+1
JD236	332101	Wired communication equipment	有線電気通信機器	4.48E-2	0.00E+0	2.73E-2	1.74E-2	8.17E+1
JD237	332102	Cellular phones	携帯電話機	8.99E-2	0.00E+0	6.77E-2	2.22E-2	5.47E+1
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	7.13E-2	0.00E+0	4.87E-2	2.26E-2	6.70E+1
JD239	332109	Other communication equipment	その他の電気通信機器	5.89E-2	0.00E+0	4.12E-2	1.77E-2	6.18E+1
JD240	333101	Personal Computers	パーソナルコンピュータ	7.81E-2	0.00E+0	4.35E-2	3.46E-2	1.02E+2
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	6.61E-2	0.00E+0	3.30E-2	3.31E-2	1.13E+2
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	8.64E-2	0.00E+0	6.03E-2	2.62E-2	6.93E+1
JD243	341101	Semiconductor devices	半導体素子	4.37E+0	4.35E+0	5.31E-3	9.26E-3	4.08E-1
JD244	341102	Integrated circuits	集積回路	3.71E-1	3.12E-1	4.12E-2	1.74E-2	1.00E+1
JD245	342101	Electron tubes	電子管	6.50E-3	0.00E+0	3.38E-3	3.12E-3	8.71E+1
JD246	342102	Liquid crystal element	液晶素子	4.24E-1	3.11E-1	8.26E-2	3.04E-2	1.70E+1
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	2.01E-3	0.00E+0	8.67E-4	1.14E-3	9.83E+1
JD248	342109	Other electronic components	その他の電子部品	5.00E-2	7.78E-3	2.52E-2	1.71E-2	6.67E+1
JD249	351101	Passenger motor cars	乗用車	2.64E-2	0.00E+0	2.34E-2	2.98E-3	2.36E+1
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	2.86E-2	0.00E+0	2.60E-2	2.66E-3	1.87E+1
JD251	353101	Two-wheel motor vehicles	二輪自動車	2.30E-2	0.00E+0	1.99E-2	3.08E-3	3.03E+1
JD252	354101	Motor vehicle bodies	自動車車体	2.59E-2	0.00E+0	2.42E-2	1.67E-3	1.23E+1
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	6.67E-3	0.00E+0	3.55E-3	3.12E-3	1.04E+2
JD254	354103	Motor vehicle parts and accessories	自動車部品	6.19E-2	2.76E-2	3.23E-2	2.11E-3	6.49E+0
JD255	361101	Steel ships	鋼船	4.81E-3	0.00E+0	2.02E-3	2.79E-3	1.11E+2
JD256	361102	Ships (except steel ships)	その他の船舶	5.15E-3	0.00E+0	2.16E-3	2.99E-3	1.21E+2
JD257	361103	Internal combustion engines for vessels	船用内燃機関	3.00E-3	0.00E+0	1.13E-3	1.86E-3	1.27E+2
JD258	361110	Repair of ships	船舶修理	2.29E-3	0.00E+0	1.08E-3	1.22E-3	9.77E+1
JD259	362101	Rolling stock	鉄道車両	1.13E-2	0.00E+0	9.05E-3	2.24E-3	3.53E+1
JD260	362110	Repair of rolling stock	鉄道車両修理	4.31E-3	0.00E+0	2.72E-3	1.59E-3	5.88E+1
JD261	362201	Aircrafts	航空機	8.02E-3	0.00E+0	5.35E-3	2.67E-3	7.29E+1
JD262	362210	Repair of aircrafts	航空機修理	7.93E-3	0.00E+0	1.42E-3	6.50E-3	2.15E+2
JD263	362901	Bicycles	自転車	2.74E-3	0.00E+0	8.43E-4	1.90E-3	1.33E+2
JD264	362909	Other transport equipment	その他の輸送機械	1.05E-2	0.00E+0	9.16E-3	1.33E-3	2.31E+1
JD265	371101	Camera	カメラ	9.27E-2	0.00E+0	7.13E-2	2.14E-2	4.91E+1
JD266	371109	Other photographic and optical instruments	その他の光学機械	1.33E-2	0.00E+0	8.84E-3	4.50E-3	7.84E+1

Table A6: Embodied global PFCs intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global PFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD267	371201	Watches and clocks	時計	4.35E-2	0.00E+0	3.76E-2	5.83E-3	2.74E+1
JD268	371901	Professional and scientific instruments	理化学機械器具	8.52E-3	0.00E+0	6.71E-3	1.82E-3	4.10E+1
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	6.07E-2	0.00E+0	5.12E-2	9.51E-3	3.37E+1
JD270	371903	Medical instruments	医療用機械器具	5.26E-2	0.00E+0	4.25E-2	1.02E-2	3.99E+1
JD271	391101	Toys and games	がん具	6.95E-2	0.00E+0	5.87E-2	1.08E-2	3.55E+1
JD272	391102	Sporting and athletic goods	運動用品	2.12E-3	0.00E+0	1.10E-3	1.02E-3	7.79E+1
JD273	391901	Musical instruments	楽器	5.77E-2	0.00E+0	5.44E-2	3.36E-3	1.15E+1
JD274	391902	Audio and video records, other information recording media	情報記録物	1.21E-3	0.00E+0	5.20E-4	6.89E-4	9.94E+1
JD275	391903	Stationery	筆記具・文具	1.20E-3	0.00E+0	4.88E-4	7.13E-4	1.00E+2
JD276	391904	Jewelry and adornments	身辺細貨品	2.11E-3	0.00E+0	4.42E-4	1.67E-3	1.16E+2
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	7.41E-4	0.00E+0	3.14E-4	4.27E-4	8.92E+1
JD278	391906	Ordnance	武器	2.37E-2	0.00E+0	2.15E-2	2.26E-3	1.56E+1
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	1.52E-3	0.00E+0	6.59E-4	8.61E-4	8.88E+1
JD280	392101	Reuse and recycling	再生资源回収・加工処理	1.05E-3	0.00E+0	4.61E-4	5.92E-4	1.25E+2
JD281	411101	Residential construction (wooden)	住宅建築(木造)	1.95E-3	0.00E+0	7.79E-4	1.18E-3	8.72E+1
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	2.14E-3	0.00E+0	9.26E-4	1.22E-3	9.08E+1
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	2.50E-3	0.00E+0	1.09E-3	1.41E-3	9.31E+1
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	2.52E-3	0.00E+0	1.17E-3	1.35E-3	9.37E+1
JD285	412101	Repair of construction	建設補修	2.33E-3	0.00E+0	1.14E-3	1.19E-3	8.51E+1
JD286	413101	Public construction of roads	道路関係公共事業	1.41E-3	0.00E+0	6.01E-4	8.10E-4	1.06E+2
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	2.41E-3	0.00E+0	1.22E-3	1.19E-3	8.78E+1
JD288	413103	Agricultural public construction	農林関係公共事業	1.42E-3	0.00E+0	5.92E-4	8.23E-4	1.04E+2
JD289	413201	Railway construction	鉄道軌道建設	1.90E-3	0.00E+0	8.90E-4	1.01E-3	8.49E+1
JD290	413202	Electric power facilities construction	電力施設建設	2.99E-3	0.00E+0	1.39E-3	1.61E-3	1.02E+2
JD291	413203	Telecommunication facilities construction	電気通信施設建設	8.37E-3	0.00E+0	1.98E-3	6.38E-3	1.68E+2
JD292	413209	Other civil engineering and construction	その他の土木建設	1.91E-3	0.00E+0	9.12E-4	9.94E-4	9.09E+1
JD293	5111001	Electricity	事業用電力	3.70E-3	0.00E+0	1.36E-3	2.34E-3	1.09E+2
JD294	511104	On-site power generation	自家発電	3.17E-3	0.00E+0	6.27E-4	2.54E-3	1.52E+2
JD295	512101	Gas supply	都市ガス	3.13E-3	0.00E+0	4.64E-4	2.67E-3	1.98E+2
JD296	512201	Steam and hot water supply	熱供給業	3.18E-3	0.00E+0	1.42E-3	1.75E-3	1.02E+2
JD297	521101	Water supply	上水道・簡易水道	8.42E-4	0.00E+0	4.41E-4	4.01E-4	8.36E+1
JD298	521102	Industrial water supply	工業用水	1.42E-3	0.00E+0	8.41E-4	5.83E-4	7.59E+1
JD299	521103	Sewage disposal **	下水道★★	3.83E-3	0.00E+0	1.72E-3	2.11E-3	9.98E+1
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	1.70E-3	0.00E+0	8.71E-4	8.31E-4	8.74E+1
JD301	521202	Waste management services (private)	廃棄物処理(産業)	1.16E-3	0.00E+0	6.02E-4	5.56E-4	8.59E+1
JD302	611101	Wholesale trade	卸売	7.45E-4	0.00E+0	3.84E-4	3.61E-4	8.45E+1
JD303	611201	Retail trade	小売	7.76E-4	0.00E+0	3.46E-4	4.30E-4	1.01E+2
JD304	621101	Financial service	金融	6.90E-4	0.00E+0	2.86E-4	4.04E-4	1.31E+2
JD305	621201	Life insurance	生命保険	5.87E-4	0.00E+0	2.73E-4	3.14E-4	9.29E+1
JD306	621202	Non-life insurance	損害保険	4.93E-4	0.00E+0	2.38E-4	2.54E-4	9.00E+1
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	4.77E-4	0.00E+0	1.99E-4	2.78E-4	9.95E+1
JD308	641102	Real estate rental service	不動産賃貸業	3.15E-4	0.00E+0	1.31E-4	1.84E-4	1.04E+2
JD309	642101	House rent	住宅賃貸料	3.33E-4	0.00E+0	1.52E-4	1.80E-4	9.18E+1
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	1.63E-4	0.00E+0	7.60E-5	8.73E-5	9.10E+1
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	9.06E-4	0.00E+0	4.27E-4	4.78E-4	8.71E+1
JD312	711201	Railway transport (freight)	鉄道貨物輸送	1.44E-3	0.00E+0	6.72E-4	7.66E-4	9.32E+1
JD313	712101	Bus transport service	バス	2.00E-3	0.00E+0	1.20E-3	8.03E-4	9.31E+1
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	1.57E-3	0.00E+0	7.94E-4	7.77E-4	1.10E+2
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	1.83E-3	0.00E+0	9.24E-4	9.10E-4	1.22E+2
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	7.41E-3	0.00E+0	4.02E-3	3.40E-3	1.19E+2
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	7.26E-3	0.00E+0	4.26E-3	2.99E-3	1.05E+2
JD318	714101	Ocean transport	外洋輸送	8.61E-3	0.00E+0	4.94E-4	8.12E-3	1.79E+2
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	1.86E-3	0.00E+0	3.60E-4	1.50E-3	1.95E+2
JD320	714301	Harbor transport service	港湾運送	6.09E-4	0.00E+0	2.29E-4	3.81E-4	1.18E+2
JD321	715101	Air transport	航空輸送	3.85E-3	0.00E+0	9.81E-4	2.87E-3	1.09E+2
JD322	716101	Consigned freight forwarding	貨物利用運送	1.44E-3	0.00E+0	9.51E-4	4.91E-4	6.18E+1
JD323	717101	Storage facility service	倉庫	9.19E-4	0.00E+0	4.65E-4	4.55E-4	8.39E+1
JD324	718101	Packing service	こん包	9.05E-4	0.00E+0	3.38E-4	5.67E-4	8.93E+1
JD325	718901	Facility service for road transport	道路輸送施設提供	6.64E-4	0.00E+0	3.47E-4	3.17E-4	8.37E+1
JD326	718902	Port and water traffic control **	水運施設管理★★	8.59E-4	0.00E+0	3.82E-4	4.78E-4	9.73E+1
JD327	718903	Services relating to water transport	その他の水運付帯サービス	3.86E-4	0.00E+0	1.85E-4	2.01E-4	9.09E+1
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	2.15E-3	0.00E+0	1.08E-3	1.07E-3	9.36E+1
JD329	718905	Airport and air traffic control	航空施設管理(産業)	1.52E-3	0.00E+0	7.25E-4	7.98E-4	9.17E+1
JD330	718906	Services relating to air transport	その他の航空付帯サービス	8.44E-4	0.00E+0	3.93E-4	4.51E-4	9.24E+1
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	7.21E-4	0.00E+0	3.54E-4	3.67E-4	8.93E+1
JD332	731101	Postal service*	郵便・信書便	4.64E-4	0.00E+0	1.70E-4	2.94E-4	1.12E+2
JD333	731201	Fixed telecommunication	固定電気通信	7.62E-4	0.00E+0	3.09E-4	4.53E-4	1.08E+2
JD334	731202	Mobile telecommunication	移動電気通信	6.52E-4	0.00E+0	3.20E-4	3.32E-4	9.06E+1
JD335	731203	Other telecommunication	その他の電気通信	9.47E-4	0.00E+0	4.25E-4	5.21E-4	9.63E+1
JD336	731909	Other services relating to communication	その他の通信サービス	1.19E-3	0.00E+0	6.54E-4	5.37E-4	8.04E+1
JD337	732101	Public broadcasting	公共放送	1.50E-3	0.00E+0	7.55E-4	7.43E-4	9.41E+1
JD338	732102	Private broadcasting	民間放送	1.41E-3	0.00E+0	4.71E-4	9.42E-4	1.29E+2
JD339	732103	Cable broadcasting	有線放送	1.06E-3	0.00E+0	5.00E-4	5.64E-4	9.49E+1
JD340	733101	Information services	情報サービス	8.52E-4	0.00E+0	4.48E-4	4.04E-4	8.43E+1
JD341	734101	Internet based services	インターネット附随サービス	9.13E-4	0.00E+0	4.19E-4	4.94E-4	9.44E+1
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	3.05E-3	0.00E+0	6.41E-4	2.41E-3	1.69E+2
JD343	735102	Newspaper	新聞	1.08E-3	0.00E+0	3.84E-4	6.96E-4	9.52E+1
JD344	735103	Publication	出版	8.51E-4	0.00E+0	2.87E-4	5.64E-4	9.72E+1
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	9.02E-4	0.00E+0	4.00E-4	5.02E-4	9.70E+1
JD346	811101	Public administration (central) **	公務(中央)★★	3.62E-3	0.00E+0	2.04E-3	1.57E-3	8.54E+1
JD347	811201	Public administration (local) **	公務(地方)★★	6.37E-4	0.00E+0	3.19E-4	3.18E-4	9.01E+1
JD348	821101	School education (public) **	学校教育(国公立)★★	3.27E-4	0.00E+0	1.70E-4	1.57E-4	8.46E+1
JD349	821102	School education (private) *	学校教育(私立)★	8.33E-4	0.00E+0	4.42E-4	3.91E-4	8.14E+1
JD350	821301	Social education (public) **	社会教育(国公立)★★	6.80E-4	0.00E+0	2.77E-4	4.04E-4	1.02E+2
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	1.32E-3	0.00E+0	7.01E-4	6.18E-4	8.09E+1
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★★	1.39E-3	0.00E+0	4.81E-4	9.06E-4	1.23E+2



Table A6: Embodied global PFCs intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global PFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	1.40E-3	0.00E+0	7.27E-4	6.73E-4	9.39E+1
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	1.38E-3	0.00E+0	5.63E-4	8.13E-4	9.93E+1
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	1.41E-3	0.00E+0	6.08E-4	8.01E-4	1.04E+2
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	2.00E-3	0.00E+0	9.96E-4	1.00E-3	8.71E+1
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	9.74E-4	0.00E+0	4.85E-4	4.89E-4	8.69E+1
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	2.58E-3	0.00E+0	1.15E-3	1.43E-3	1.01E+2
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	8.32E-4	0.00E+0	3.75E-4	4.56E-4	9.36E+1
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	1.28E-3	0.00E+0	5.98E-4	6.83E-4	9.30E+1
JD361	831101	Medical service (public)	医療(国公立)	8.37E-3	0.00E+0	9.28E-4	7.44E-3	1.92E+2
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	4.70E-3	0.00E+0	7.44E-4	3.95E-3	1.80E+2
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	6.95E-3	0.00E+0	7.62E-4	6.19E-3	1.93E+2
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	8.63E-4	0.00E+0	4.99E-4	3.64E-4	7.49E+1
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	1.67E-3	0.00E+0	1.04E-3	6.32E-4	6.78E+1
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	8.93E-4	0.00E+0	4.68E-4	4.25E-4	8.32E+1
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	8.97E-4	0.00E+0	4.59E-4	4.38E-4	8.57E+1
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	7.92E-4	0.00E+0	4.46E-4	3.45E-4	7.28E+1
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	7.31E-4	0.00E+0	4.02E-4	3.30E-4	7.47E+1
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	7.45E-4	0.00E+0	3.96E-4	3.49E-4	7.93E+1
JD371	831401	Nursing care (In-home)	介護(居宅)	1.47E-3	0.00E+0	4.07E-4	1.06E-3	1.42E+2
JD372	831402	Nursing care (In-facility)	介護(施設)	1.89E-3	0.00E+0	4.52E-4	1.44E-3	1.52E+2
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	9.83E-4	0.00E+0	4.59E-4	5.24E-4	9.48E+1
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	7.55E-4	0.00E+0	3.64E-4	3.91E-4	8.94E+1
JD375	851101	Advertising services	広告	1.02E-3	0.00E+0	3.49E-4	6.71E-4	1.16E+2
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	4.03E-3	0.00E+0	2.59E-3	1.44E-3	7.38E+1
JD377	851301	Car rental and leasing	貸自動車業	1.21E-3	0.00E+0	9.11E-4	2.98E-4	4.53E+1
JD378	851410	Repair of motor vehicles	自動車修理	1.62E-2	0.00E+0	1.50E-2	1.21E-3	1.48E+1
JD379	851510	Repair of machine	機械修理	3.09E-2	0.00E+0	2.03E-2	1.06E-2	7.40E+1
JD380	851901	Building maintenance services	建物サービス	5.59E-4	0.00E+0	2.63E-4	2.96E-4	9.55E+1
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	4.24E-4	0.00E+0	1.88E-4	2.35E-4	9.71E+1
JD382	851903	Civil engineering and construction services	土木建築サービス	5.65E-4	0.00E+0	2.35E-4	3.31E-4	9.78E+1
JD383	851904	Worker dispatching services	労働者派遣サービス	9.13E-5	0.00E+0	3.72E-5	5.41E-5	1.00E+2
JD384	851909	Other business services	その他の対事業所サービス	7.15E-4	0.00E+0	3.90E-4	3.24E-4	8.16E+1
JD385	861101	Movie theaters	映画館	2.34E-3	0.00E+0	6.37E-4	1.70E-3	1.44E+2
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	9.04E-4	0.00E+0	4.65E-4	4.40E-4	9.81E+1
JD387	861103	Amusement and recreation facilities	遊戯場	1.70E-3	0.00E+0	9.71E-4	7.30E-4	7.59E+1
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	8.57E-4	0.00E+0	4.17E-4	4.40E-4	8.92E+1
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	9.47E-4	0.00E+0	4.20E-4	5.27E-4	9.58E+1
JD390	861109	Other amusement and recreation services	その他の娯楽	1.25E-3	0.00E+0	7.03E-4	5.42E-4	7.95E+1
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	1.01E-3	0.00E+0	3.55E-4	6.60E-4	9.41E+1
JD392	861202	Coffee shops	喫茶店	9.37E-4	0.00E+0	3.43E-4	5.94E-4	9.73E+1
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	8.05E-4	0.00E+0	2.93E-4	5.12E-4	1.03E+2
JD394	861301	Hotels	宿泊業	8.97E-4	0.00E+0	3.43E-4	5.53E-4	9.90E+1
JD395	861401	Cleaning	洗濯業	9.52E-4	0.00E+0	4.50E-4	5.02E-4	9.83E+1
JD396	861402	Barber shops	理容業	4.56E-4	0.00E+0	1.64E-4	2.92E-4	1.21E+2
JD397	861403	Beauty shops	美容業	5.78E-4	0.00E+0	2.64E-4	3.14E-4	9.62E+1
JD398	861404	Public baths	浴場業	1.20E-3	0.00E+0	4.53E-4	7.51E-4	1.27E+2
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	8.05E-4	0.00E+0	3.41E-4	4.64E-4	1.01E+2
JD400	861901	Photographic studios	写真業	9.94E-4	0.00E+0	5.25E-4	4.70E-4	8.53E+1
JD401	861902	Ceremonial occasions	冠婚葬祭業	9.03E-4	0.00E+0	3.76E-4	5.27E-4	1.10E+2
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	1.64E-3	0.00E+0	1.11E-3	5.36E-4	5.72E+1
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	5.62E-4	0.00E+0	2.78E-4	2.84E-4	8.75E+1
JD404	861909	Other personal services	その他の対個人サービス	6.51E-4	0.00E+0	3.24E-4	3.26E-4	9.28E+1
JD405	890000	Office supplies	事務用品	5.67E-3	0.00E+0	2.34E-3	3.33E-3	1.12E+2
JD406	900000	Activities not elsewhere classified	分類不明	2.27E-3	0.00E+0	8.83E-4	1.39E-3	1.03E+2

Table A7: Embodied global HFCs intensities of Japanese goods and services based on producer price in 2005 [1/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global HFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD1	011101	Rice	米	1.55E-2	0.00E+0	8.61E-3	6.86E-3	1.24E+2
JD2	011102	Wheat, barley and the like	麦類	1.86E-2	0.00E+0	9.32E-3	9.24E-3	1.44E+2
JD3	011201	Potatoes and sweet potatoes	いも類	1.54E-2	0.00E+0	9.06E-3	6.34E-3	1.19E+2
JD4	011202	Pulses	豆類	1.86E-2	0.00E+0	1.03E-2	8.31E-3	1.27E+2
JD5	011301	Vegetables	野菜	1.43E-2	0.00E+0	8.47E-3	5.84E-3	1.17E+2
JD6	011401	Fruits	果実	1.11E-2	0.00E+0	5.50E-3	5.62E-3	1.39E+2
JD7	011501	Sugar crops	砂糖原料作物	1.51E-2	0.00E+0	8.49E-3	6.59E-3	1.32E+2
JD8	011502	Crops for beverages	飲料用作物	1.49E-2	0.00E+0	7.19E-3	7.74E-3	1.55E+2
JD9	011509	Other edible crops	その他の食用耕種作物	1.51E-2	0.00E+0	7.50E-3	7.57E-3	1.41E+2
JD10	011601	Crops for feed and forage	飼料作物	1.64E-2	0.00E+0	6.80E-3	9.57E-3	1.74E+2
JD11	011602	Seeds and seedlings	種苗	1.15E-2	0.00E+0	3.05E-3	8.40E-3	3.54E+2
JD12	011603	Flowers and plants	花き・花木類	1.86E-2	0.00E+0	9.44E-3	9.17E-3	1.59E+2
JD13	011609	Other inedible crops	その他の非食用耕種作物	1.25E-2	0.00E+0	8.22E-3	4.31E-3	9.66E+1
JD14	012101	Dairy cattle farming	酪農	1.29E-2	0.00E+0	4.49E-3	8.36E-3	1.87E+2
JD15	012102	Hen eggs	鶏卵	1.34E-2	0.00E+0	5.88E-3	7.48E-3	1.60E+2
JD16	012103	Fowls and broilers	肉鶏	1.58E-2	0.00E+0	6.69E-3	9.16E-3	1.64E+2
JD17	012104	Hogs	豚	1.37E-2	0.00E+0	5.69E-3	7.99E-3	1.67E+2
JD18	012105	Beef cattle	肉用牛	1.44E-2	0.00E+0	6.23E-3	8.21E-3	1.60E+2
JD19	012109	Other livestock	その他の畜産	1.35E-2	0.00E+0	5.53E-3	7.97E-3	1.68E+2
JD20	013101	Veterinary service	獣医学	2.36E-2	0.00E+0	7.30E-3	1.63E-2	2.28E+2
JD21	013102	Agricultural services (except veterinary service)	農業サービス (除獣医学)	1.64E-2	0.00E+0	7.42E-3	8.93E-3	1.57E+2
JD22	021101	Silviculture	育林	4.88E-3	0.00E+0	2.55E-3	2.33E-3	1.37E+2
JD23	021201	Logs	素材	1.47E-2	0.00E+0	7.13E-3	7.53E-3	1.46E+2
JD24	021301	Special forest products (inc. hunting)	特用林産物(含狩猟業)	2.41E-2	0.00E+0	1.50E-2	9.08E-3	1.09E+2
JD25	031101	Marine fisheries	海面漁業	1.43E-2	0.00E+0	5.15E-3	9.19E-3	2.20E+2
JD26	031104	Marine culture	海面養殖業	1.53E-2	0.00E+0	6.67E-3	8.59E-3	1.52E+2
JD27	0312001	Inland water fisheries and culture	内水面漁業・養殖業	1.26E-2	0.00E+0	5.24E-3	7.32E-3	1.55E+2
JD28	061101	Metallic ores	金属鉱物	2.93E-2	0.00E+0	1.93E-2	1.00E-2	9.63E+1
JD29	062101	Materials for ceramics	窯業原料鉱物	4.46E-2	0.00E+0	3.34E-2	1.12E-2	7.46E+1
JD30	062201	Gravel and quarrying	砂利・採石	7.41E-2	0.00E+0	6.22E-2	1.19E-2	4.94E+1
JD31	062202	Crushed stones	砕石	6.47E-2	0.00E+0	5.44E-2	1.02E-2	4.93E+1
JD32	062909	Other non-metallic ores	その他の非金属鉱物	4.67E-2	0.00E+0	3.18E-2	1.49E-2	9.60E+1
JD33	071101	Coal mining, crude petroleum and natural gas	石炭・原油・天然ガス	1.45E-2	0.00E+0	6.55E-3	7.91E-3	1.56E+2
JD34	0711011	Coal mining	石炭	1.45E-2	0.00E+0	6.55E-3	7.91E-3	1.56E+2
JD35	0711012	Crude petroleum	原油	1.45E-2	0.00E+0	6.55E-3	7.91E-3	1.56E+2
JD36	0711013	Natural gas	天然ガス	1.45E-2	0.00E+0	6.55E-3	7.91E-3	1.56E+2
JD37	111101	Slaughtering and meat processing	と畜(含肉鶏処理)	1.36E-2	0.00E+0	5.99E-3	7.60E-3	1.58E+2
JD38	111201	Processed meat products	肉加工品	1.66E-2	0.00E+0	2.60E-3	1.40E-2	2.78E+2
JD39	111202	Bottled or canned meat products	畜産びん・かん詰	1.08E-2	0.00E+0	3.76E-3	7.07E-3	1.83E+2
JD40	111203	Dairy farm products	酪農品	1.35E-2	0.00E+0	5.22E-3	8.30E-3	1.74E+2
JD41	111301	Frozen fish and shellfish	冷凍魚介類	1.23E-2	0.00E+0	4.16E-3	8.11E-3	1.74E+2
JD42	111302	Salted, dried or smoked seafood	塩・干・くん製品	1.18E-2	0.00E+0	3.37E-3	8.39E-3	2.26E+2
JD43	111303	Bottled or canned seafood	水産びん・かん詰	1.08E-2	0.00E+0	3.82E-3	7.00E-3	1.82E+2
JD44	111304	Fish paste	ねり製品	1.21E-2	0.00E+0	3.87E-3	8.20E-3	1.95E+2
JD45	111309	Other processed seafood	その他の水産食品	1.23E-2	0.00E+0	5.40E-3	6.89E-3	1.57E+2
JD46	111401	Grain milling	精穀	1.39E-2	0.00E+0	7.74E-3	6.13E-3	1.23E+2
JD47	111402	Flour and other grain milled products	製粉	1.76E-2	0.00E+0	6.53E-3	1.11E-2	1.88E+2
JD48	111501	Noodles	めん類	1.45E-2	0.00E+0	7.17E-3	7.32E-3	1.39E+2
JD49	111502	Bread	パン類	1.02E-2	0.00E+0	3.72E-3	6.49E-3	1.76E+2
JD50	111503	Confectionery	菓子類	1.06E-2	0.00E+0	3.56E-3	7.07E-3	1.91E+2
JD51	111601	Bottled or canned vegetables and fruits	農産びん・かん詰	1.26E-2	0.00E+0	5.16E-3	7.43E-3	1.58E+2
JD52	111602	Preserved agricultural foodstuffs (other than bottled or canned)	農産保存食料品(除びん・かん詰)	1.03E-2	0.00E+0	5.21E-3	5.06E-3	1.36E+2
JD53	111701	Sugar	砂糖	1.47E-2	0.00E+0	4.48E-3	1.02E-2	2.34E+2
JD54	111702	Starch	でん粉	1.22E-2	0.00E+0	3.17E-3	9.04E-3	2.20E+2
JD55	111703	Dextrose, syrup and isomerized sugar	ぶどう糖・水あめ・異性化糖	1.19E-2	0.00E+0	3.19E-3	8.69E-3	2.05E+2
JD56	111704	Vegetable oils and meal	植物油脂	1.53E-2	0.00E+0	4.50E-3	1.08E-2	2.26E+2
JD57	111705	Animal oils and fats	動物油脂	1.51E-2	0.00E+0	6.46E-3	8.65E-3	1.60E+2
JD58	111706	Condiments and seasonings	調味料	1.39E-2	0.00E+0	7.09E-3	6.77E-3	1.37E+2
JD59	111901	Prepared frozen foods	冷凍調理食品	1.28E-2	0.00E+0	4.55E-3	8.20E-3	1.73E+2
JD60	111902	Retort foods	レトルト食品	1.28E-2	0.00E+0	4.57E-3	8.27E-3	1.68E+2
JD61	111903	Dishes, sushi and lunch boxes	そう菜・すし・弁当	1.35E-2	0.00E+0	6.48E-3	7.06E-3	1.37E+2
JD62	111904	School lunch (public) **	学校給食(国公立)★★	9.08E-3	0.00E+0	4.00E-3	5.08E-3	1.47E+2
JD63	111905	School lunch (private) *	学校給食(私立)★	9.20E-3	0.00E+0	3.61E-3	5.59E-3	1.59E+2
JD64	111909	Other foods	その他の食料品	1.27E-2	0.00E+0	5.52E-3	7.23E-3	1.55E+2
JD65	112101	Refined sake	清酒	8.45E-3	0.00E+0	4.10E-3	4.35E-3	1.43E+2
JD66	112102	Beer	ビール	5.92E-3	0.00E+0	3.05E-3	2.86E-3	1.36E+2
JD67	112103	Whiskey and brandy	ウイスキー類	7.21E-3	0.00E+0	3.15E-3	4.06E-3	1.60E+2
JD68	112109	Other liquors	その他の酒類	8.67E-3	0.00E+0	3.66E-3	5.01E-3	1.63E+2
JD69	112901	Tea and roasted coffee	茶・コーヒー	1.33E-2	0.00E+0	4.66E-3	8.64E-3	3.27E+2
JD70	112902	Soft drinks	清涼飲料	1.28E-2	0.00E+0	6.79E-3	5.97E-3	1.30E+2
JD71	112903	Manufactured ice	製氷	2.67E-2	0.00E+0	8.58E-3	1.81E-2	2.08E+2
JD72	113101	Animal feed	飼料	1.26E-2	0.00E+0	3.11E-3	9.46E-3	2.27E+2
JD73	113102	Organic fertilizers, n.e.c.	有機質肥料(除別掲)	9.86E-3	0.00E+0	3.58E-3	6.28E-3	1.74E+2
JD74	114101	Tobacco	たばこ	3.68E-3	0.00E+0	1.70E-3	1.98E-3	1.50E+2
JD75	151101	Fiber yarns	紡績糸	1.37E-2	0.00E+0	4.93E-3	8.76E-3	1.95E+2
JD76	151201	Cotton and staple fiber fabrics (inc. fabrics of synthetic spun fibers)	綿・スフ織物(含合繊短繊維織物)	1.29E-2	0.00E+0	4.44E-3	8.43E-3	2.12E+2
JD77	151202	Silk and artificial silk fabrics (inc. fabrics of synthetic filament fibers)	絹・人絹織物(含合繊長繊維織物)	1.66E-2	0.00E+0	7.50E-3	9.08E-3	1.60E+2
JD78	151203	Woolen fabrics, hemp fabrics and other fabrics	毛織物・麻織物・その他の織物	1.27E-2	0.00E+0	4.55E-3	8.12E-3	1.92E+2
JD79	151301	Knitting fabrics	ニット生地	1.17E-2	0.00E+0	4.78E-3	6.94E-3	1.86E+2
JD80	151401	Yarn and fabric dyeing and finishing (processing on commission only)	染色整理	1.35E-2	0.00E+0	3.04E-3	1.05E-2	2.31E+2
JD81	151901	Ropes and nets	綱・網	2.05E-2	0.00E+0	1.20E-2	8.41E-3	1.19E+2
JD82	151902	Carpets and floor mats	じゅうたん・床敷物	1.71E-2	0.00E+0	7.69E-3	9.41E-3	1.60E+2
JD83	151903	Fabricated textiles for medical use	繊維製衛生材料	1.10E-2	0.00E+0	4.74E-3	6.25E-3	1.61E+2
JD84	151909	Other fabricated textile products	その他の繊維工業製品	1.70E-2	0.00E+0	8.11E-3	8.90E-3	1.52E+2
JD85	152101	Woven fabric apparel	織物製衣服	1.15E-2	0.00E+0	3.76E-3	7.75E-3	1.95E+2
JD86	152102	Knitted apparel	ニット製衣服	1.26E-2	0.00E+0	5.63E-3	6.98E-3	1.58E+2
JD87	152209	Other wearing apparel and clothing accessories	その他の衣服・身の回り品	1.27E-2	0.00E+0	5.25E-3	7.41E-3	1.69E+2
JD88	152901	Bedding	寝具	1.09E-2	0.00E+0	3.47E-3	7.48E-3	1.95E+2
JD89	152909	Other ready-made textile products	その他の繊維既製品	1.19E-2	0.00E+0	5.71E-3	6.19E-3	1.51E+2
JD90	161101	Timber	製材	2.40E-2	0.00E+0	6.59E-3	1.75E-2	3.01E+2
JD91	161102	Plywood	合板	2.22E-2	0.00E+0	6.93E-3	1.52E-2	2.21E+2
JD92	161103	Wooden chips	木材チップ	1.64E-2	0.00E+0	7.09E-3	9.32E-3	1.57E+2

Table A7: Embodied global HFCs intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global HFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD93	161909	Other wooden products	その他の木製品	1.72E-2	0.00E+0	8.46E-3	8.79E-3	1.41E+2
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	1.46E-2	0.00E+0	7.87E-3	6.74E-3	1.26E+2
JD95	171102	Wooden fixtures	木製建具	1.33E-2	0.00E+0	6.89E-3	6.45E-3	1.33E+2
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	1.58E-2	0.00E+0	8.30E-3	7.50E-3	1.32E+2
JD97	181101	Pulp	パルプ	1.83E-2	0.00E+0	2.81E-3	1.55E-2	3.62E+2
JD98	181201	Paper	洋紙・和紙	1.37E-2	0.00E+0	2.99E-3	1.07E-2	2.33E+2
JD99	181202	Paperboard	板紙	1.69E-2	0.00E+0	6.12E-3	1.08E-2	1.93E+2
JD100	181301	Corrugated cardboard	段ボール	1.38E-2	0.00E+0	5.58E-3	8.20E-3	1.67E+2
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	1.66E-2	0.00E+0	9.20E-3	7.37E-3	1.23E+2
JD102	182101	Corrugated card board boxes	段ボール箱	9.23E-3	0.00E+0	4.18E-3	5.05E-3	1.51E+2
JD103	182109	Other paper containers	その他の紙製容器	1.11E-2	0.00E+0	4.05E-3	7.01E-3	1.74E+2
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	1.80E-2	0.00E+0	1.02E-2	7.82E-3	1.20E+2
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	1.23E-2	0.00E+0	6.70E-3	5.58E-3	1.27E+2
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	9.72E-3	0.00E+0	5.16E-3	4.56E-3	1.29E+2
JD107	201101	Chemical fertilizer	化学肥料	2.31E-2	0.00E+0	2.99E-3	2.01E-2	3.22E+2
JD108	202101	Industrial soda chemicals	ソーダ工業製品	1.79E-2	0.00E+0	3.78E-3	1.42E-2	2.38E+2
JD109	202901	Inorganic pigment	無機顔料	1.81E-2	0.00E+0	3.63E-3	1.44E-2	2.29E+2
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	1.76E-2	0.00E+0	4.19E-3	1.34E-2	2.13E+2
JD111	202903	Salt	塩	1.92E-2	0.00E+0	5.04E-3	1.42E-2	2.28E+2
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	1.85E-2	0.00E+0	3.65E-3	1.48E-2	2.19E+2
JD113	203101	Petrochemical basic products	石油化学基礎製品	5.04E-2	0.00E+0	1.41E-3	4.90E-2	3.83E+2
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	4.37E-2	0.00E+0	1.71E-3	4.20E-2	3.72E+2
JD115	203201	Aliphatic intermediates	脂肪族中間物	3.40E-2	0.00E+0	3.42E-3	3.06E-2	3.01E+2
JD116	203202	Cyclic intermediates	環状中間物	3.29E-2	0.00E+0	2.35E-3	3.05E-2	2.99E+2
JD117	203301	Synthetic rubber	合成ゴム	2.73E-2	0.00E+0	3.56E-3	2.37E-2	2.77E+2
JD118	203901	Methane derivatives	メタン誘導品	2.00E-2	0.00E+0	3.78E-3	1.62E-2	2.38E+2
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	1.22E-2	0.00E+0	3.25E-3	8.95E-3	2.07E+2
JD120	203903	Plasticizers	可塑剤	1.95E-2	0.00E+0	2.48E-3	1.71E-2	2.59E+2
JD121	203904	Synthetic dyes	合成染料	1.83E-2	0.00E+0	1.70E-3	1.66E-2	2.98E+2
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	1.69E-2	0.00E+0	3.20E-3	1.37E-2	2.31E+2
JD123	204101	Thermo-setting resins	熱硬化性樹脂	2.26E-2	0.00E+0	2.92E-3	1.97E-2	2.65E+2
JD124	204102	Thermoplastics resins	熱可塑性樹脂	3.19E-2	0.00E+0	2.95E-3	2.90E-2	3.17E+2
JD125	204103	High function resins	高機能性樹脂	2.45E-2	0.00E+0	3.22E-3	2.13E-2	2.71E+2
JD126	204109	Other resins	その他の合成樹脂	9.26E-1	9.04E-1	2.64E-3	2.00E-2	6.55E+0
JD127	205101	Rayon and acetate	レーヨン・アセテート	5.00E-2	0.00E+0	3.68E-2	1.32E-2	7.22E+1
JD128	205102	Synthetic fibers	合成繊維	3.66E-2	0.00E+0	2.05E-2	1.60E-2	1.30E+2
JD129	206101	Medicaments	医薬品	4.91E-2	3.61E-2	5.48E-3	7.51E-3	4.35E+1
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	1.62E-2	0.00E+0	5.45E-3	1.08E-2	1.94E+2
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	6.23E-1	6.01E-1	1.46E-2	7.79E-3	3.55E+0
JD132	207201	Paint and varnishes	塗料	2.12E-1	1.91E-1	7.92E-3	1.35E-2	1.82E+1
JD133	207202	Printing ink	印刷インキ	3.44E-2	0.00E+0	2.20E-2	1.24E-2	1.04E+2
JD134	207301	Photographic sensitive materials	写真感光材料	1.76E-2	0.00E+0	6.80E-3	1.08E-2	1.68E+2
JD135	207401	Agricultural chemicals	農薬	1.53E-2	0.00E+0	4.75E-3	1.06E-2	1.94E+2
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	2.02E-2	0.00E+0	8.03E-3	1.22E-2	1.69E+2
JD137	207909	Other final chemical products	その他の化学最終製品	2.05E-2	0.00E+0	7.23E-3	1.32E-2	1.83E+2
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	5.35E-2	0.00E+0	5.04E-4	5.30E-2	4.33E+2
JD139	212101	Coal products	石炭製品	2.67E-2	0.00E+0	1.20E-3	2.55E-2	4.24E+2
JD140	212102	Paving materials	舗装材料	2.39E-2	0.00E+0	5.91E-3	1.80E-2	2.67E+2
JD141	221101	Plastic products	プラスチック製品	6.76E-2	3.44E-2	2.24E-2	1.08E-2	4.60E+1
JD142	231101	Tires and inner tubes	タイヤ・チューブ	1.42E-2	0.00E+0	3.00E-3	1.12E-2	2.23E+2
JD143	231901	Rubber footwear	ゴム製履物	8.99E-3	0.00E+0	3.97E-3	5.02E-3	1.58E+2
JD144	231902	Plastic footwear	プラスチック製履物	1.43E-2	0.00E+0	8.55E-3	5.78E-3	1.14E+2
JD145	231909	Other rubber products	その他のゴム製品	1.45E-2	0.00E+0	5.75E-3	8.72E-3	1.69E+2
JD146	241101	Leather footwear	革製履物	1.08E-2	0.00E+0	4.05E-3	6.72E-3	1.77E+2
JD147	241201	Leather and fur skins	製革・毛皮	1.75E-2	0.00E+0	3.24E-3	1.42E-2	2.35E+2
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	1.54E-2	0.00E+0	8.12E-3	7.27E-3	1.29E+2
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	1.42E-2	0.00E+0	5.39E-3	8.77E-3	1.72E+2
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	1.97E-2	0.00E+0	8.05E-3	1.17E-2	1.66E+2
JD151	251909	Other glass products	その他のガラス製品	1.42E-2	0.00E+0	4.70E-3	9.50E-3	1.84E+2
JD152	252101	Cement	セメント	2.14E-2	0.00E+0	8.90E-3	1.25E-2	1.67E+2
JD153	252201	Ready mixed concrete	生コンクリート	2.87E-2	0.00E+0	2.02E-2	8.48E-3	8.27E+1
JD154	252301	Cement products	セメント製品	1.41E-2	0.00E+0	6.81E-3	7.30E-3	1.43E+2
JD155	253101	Pottery, china and earthenware	陶磁器	1.24E-2	0.00E+0	3.23E-3	9.21E-3	2.04E+2
JD156	259901	Clay refractories	耐火物	1.64E-2	0.00E+0	4.59E-3	1.18E-2	1.93E+2
JD157	259902	Other structural clay products	その他の建設用土石製品	1.43E-2	0.00E+0	5.63E-3	8.72E-3	1.81E+2
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	1.60E-2	0.00E+0	4.24E-3	1.18E-2	2.07E+2
JD159	259904	Abrasive	研磨材	1.23E-2	0.00E+0	3.18E-3	9.10E-3	2.01E+2
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	1.54E-2	0.00E+0	6.46E-3	8.91E-3	1.61E+2
JD161	261101	Pig iron	鉄鉄	2.23E-2	0.00E+0	1.20E-3	2.11E-2	4.65E+2
JD162	261102	Ferro alloys	フェロアロイ	2.11E-2	0.00E+0	2.41E-3	1.87E-2	3.45E+2
JD163	261103	Crude steel (converters)	粗鋼(転炉)	1.84E-2	0.00E+0	2.09E-3	1.63E-2	3.58E+2
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	1.21E-2	0.00E+0	2.09E-3	9.96E-3	2.47E+2
JD165	261201	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	1.36E-2	0.00E+0	2.29E-3	1.13E-2	2.92E+2
JD167	262201	Steel pipes and tubes	鋼管	1.18E-2	0.00E+0	2.80E-3	8.98E-3	2.40E+2
JD168	262301	Cold-finished steel	冷間仕上げ鋼材	1.33E-2	0.00E+0	2.74E-3	1.06E-2	2.50E+2
JD169	262302	Coated steel	めっき鋼材	1.35E-2	0.00E+0	3.86E-3	9.60E-3	2.12E+2
JD170	263101	Cast and forged steel	鑄鍛鋼	1.13E-2	0.00E+0	2.47E-3	8.82E-3	2.24E+2
JD171	263102	Cast iron pipes and tubes	鑄鉄管	1.09E-2	0.00E+0	3.27E-3	7.68E-3	1.96E+2
JD172	263103	Cast and forged materials (iron)	鑄鉄品及び鍛工品(鉄)	1.40E-2	0.00E+0	3.68E-3	1.03E-2	2.10E+2
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	1.12E-2	0.00E+0	3.18E-3	8.02E-3	2.18E+2
JD174	264909	Other iron or steel products	その他の鉄鋼製品	9.06E-3	0.00E+0	2.64E-3	6.42E-3	2.07E+2
JD175	271101	Copper	銅	3.01E-2	0.00E+0	1.62E-3	2.85E-2	5.55E+2
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	2.03E-2	0.00E+0	2.11E-3	1.82E-2	4.09E+2
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	2.43E-2	0.00E+0	3.76E-3	2.05E-2	2.45E+2
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	2.56E-2	0.00E+0	1.52E-3	2.41E-2	5.19E+2
JD179	271201	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	2.12E-2	0.00E+0	5.67E-3	1.55E-2	2.73E+2
JD181	272102	Optical fiber cables	光ファイバケーブル	1.37E-1	0.00E+0	1.23E-2	1.25E-1	3.22E+2
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	2.33E-2	0.00E+0	2.28E-3	2.10E-2	3.53E+2
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	3.65E-2	0.00E+0	2.43E-3	3.41E-2	3.71E+2

Table A7: Embodied global HFCs intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global HFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	2.52E-2	0.00E+0	3.38E-3	2.18E-2	2.66E+2
JD185	272204	Nuclear fuels	核燃料	1.82E-2	0.00E+0	6.42E-4	1.75E-2	4.10E+2
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	5.36E-2	0.00E+0	2.42E-3	5.12E-2	3.92E+2
JD187	281101	Metal products for construction	建設用金属製品	1.60E-2	0.00E+0	6.30E-3	9.74E-3	1.74E+2
JD188	281201	Metal products for architecture	建築用金属製品	1.48E-2	0.00E+0	3.97E-3	1.08E-2	2.20E+2
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	2.65E-2	0.00E+0	6.50E-3	2.00E-2	2.15E+2
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	1.13E-2	0.00E+0	3.49E-3	7.77E-3	1.99E+2
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	1.21E-2	0.00E+0	5.61E-3	6.52E-3	1.49E+2
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末冶金製品・道具類	1.43E-2	0.00E+0	3.55E-3	1.07E-2	2.31E+2
JD193	289909	Other metal products	その他の金属製品	1.03E-2	0.00E+0	3.48E-3	6.79E-3	1.85E+2
JD194	301101	Boilers	ボイラ	1.29E-2	0.00E+0	3.61E-3	9.30E-3	2.21E+2
JD195	301102	Turbines	タービン	2.85E-2	0.00E+0	3.39E-3	2.51E-2	2.90E+2
JD196	301103	Engines	原動機	2.51E-2	0.00E+0	3.87E-3	2.12E-2	2.59E+2
JD197	301201	Conveyors	運搬機械	9.92E-2	0.00E+0	5.31E-3	9.38E-2	3.24E+2
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	3.57E+0	2.99E+0	3.57E-1	2.15E-1	2.16E+1
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	8.19E-2	0.00E+0	3.66E-3	7.82E-2	3.35E+2
JD200	301902	Machinists' precision tools	機械工具	1.81E-2	0.00E+0	3.42E-3	1.46E-2	2.47E+2
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	2.99E-2	0.00E+0	1.01E-2	1.98E-2	2.13E+2
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	2.36E-2	0.00E+0	3.97E-3	1.96E-2	2.61E+2
JD203	302201	Chemical machinery	化学機械	2.26E-2	0.00E+0	4.71E-3	1.79E-2	2.46E+2
JD204	302301	Industrial robots	産業用ロボット	1.00E-1	0.00E+0	5.84E-3	9.43E-2	3.18E+2
JD205	302401	Metal machine tools	金属工作機械	4.20E-2	0.00E+0	3.99E-3	3.80E-2	2.90E+2
JD206	302402	Metal processing machinery	金属加工機械	1.61E-2	0.00E+0	3.77E-3	1.23E-2	2.44E+2
JD207	302901	Machinery for agricultural use	農業用機械	1.85E-2	0.00E+0	4.51E-3	1.40E-2	2.31E+2
JD208	302902	Textile machinery	繊維機械	3.15E-2	0.00E+0	4.14E-3	2.74E-2	3.04E+2
JD209	302903	Food processing machinery and equipment	食品機械・同装置	3.23E-2	0.00E+0	3.67E-3	2.86E-2	2.92E+2
JD210	302904	Semiconductor making equipment	半導体製造装置	5.97E-2	0.00E+0	3.01E-2	2.96E-2	1.71E+2
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	6.18E-2	0.00E+0	4.72E-3	5.71E-2	3.21E+2
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	4.29E-2	0.00E+0	8.99E-3	3.39E-2	2.58E+2
JD213	303101	Metal molds	金型	8.55E-3	0.00E+0	2.76E-3	5.79E-3	1.90E+2
JD214	303102	Bearings	ベアリング	1.24E-2	0.00E+0	3.15E-3	9.25E-3	2.21E+2
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	2.16E-2	5.45E-3	4.08E-3	1.21E-2	1.63E+2
JD216	311101	Copy machine	複写機	2.79E-1	0.00E+0	7.84E-3	2.72E-1	3.32E+2
JD217	311109	Other office machines	その他の事務用機械	2.30E-1	0.00E+0	7.87E-3	2.22E-1	3.34E+2
JD218	311201	Machinery for service industry	サービス用機器	2.88E-1	1.87E-2	1.20E-1	1.49E-1	1.74E+2
JD219	321101	Rotating electrical equipment	回転電気機械	1.51E-1	0.00E+0	5.16E-3	1.46E-1	3.18E+2
JD220	321102	Transformers and reactors	変圧器・変成器	1.09E-1	0.00E+0	4.87E-3	1.04E-1	3.36E+2
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	1.59E-1	0.00E+0	6.62E-3	1.52E-1	3.16E+2
JD222	321104	Wiring devices and supplies	配線器具	3.89E-1	0.00E+0	5.81E-3	3.83E-1	3.59E+2
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	8.76E-2	0.00E+0	5.27E-3	8.23E-2	3.20E+2
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	1.48E-1	0.00E+0	6.12E-3	1.42E-1	3.17E+2
JD225	322101	Applied electronic equipment	電子応用装置	4.66E-1	0.00E+0	5.63E-3	4.60E-1	3.35E+2
JD226	323101	Electric measuring instruments	電気計測器	4.27E-1	0.00E+0	5.02E-3	4.22E-1	3.42E+2
JD227	324101	Electric bulbs	電球類	2.90E-1	0.00E+0	4.40E-3	2.86E-1	3.78E+2
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	6.19E-1	0.00E+0	1.26E-2	6.06E-1	4.21E+2
JD229	324103	Batteries	電池	7.87E-2	0.00E+0	8.17E-3	7.05E-2	2.91E+2
JD230	324109	Other electrical devices and parts	その他の電気機械器具	9.54E-2	0.00E+0	6.63E-3	8.88E-2	3.19E+2
JD231	325101	Household air-conditioners	民生用エアコンディショナ	5.57E-1	1.93E-1	1.90E-1	1.74E-1	1.04E+2
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	2.41E-1	0.00E+0	3.99E-2	2.01E-1	2.85E+2
JD233	331101	Video recording and playback equipment	ビデオ機器	3.02E-1	0.00E+0	6.77E-3	2.95E-1	3.33E+2
JD234	331102	Electric audio equipment	電気音響機器	2.87E-1	0.00E+0	7.18E-3	2.80E-1	3.19E+2
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	2.69E-1	0.00E+0	7.39E-3	2.62E-1	3.29E+2
JD236	332101	Wired communication equipment	有線電気通信機器	2.16E-1	0.00E+0	6.98E-3	2.09E-1	3.12E+2
JD237	332102	Cellular phones	携帯電話機	2.81E-1	0.00E+0	8.38E-3	2.73E-1	3.23E+2
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	2.81E-1	0.00E+0	7.98E-3	2.73E-1	3.14E+2
JD239	332109	Other communication equipment	その他の電気通信機器	2.14E-1	0.00E+0	5.40E-3	2.09E-1	3.12E+2
JD240	333101	Personal Computers	パーソナルコンピュータ	4.37E-1	0.00E+0	6.32E-3	4.31E-1	3.36E+2
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	4.14E-1	0.00E+0	5.11E-3	4.09E-1	3.37E+2
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	3.31E-1	0.00E+0	6.42E-3	3.24E-1	3.34E+2
JD243	341101	Semiconductor devices	半導体素子	2.29E-1	1.29E-1	4.77E-3	9.51E-2	1.42E+2
JD244	341102	Integrated circuits	集積回路	2.13E-1	1.52E-1	6.44E-3	2.07E-1	3.20E+2
JD245	342101	Electron tubes	電子管	3.63E-2	0.00E+0	3.45E-3	3.29E-2	2.79E+2
JD246	342102	Liquid crystal element	液晶素子	3.96E-1	2.19E-3	7.36E-3	3.87E-1	3.39E+2
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	2.54E-2	0.00E+0	1.53E-2	1.01E-2	1.12E+2
JD248	342109	Other electronic components	その他の電子部品	1.99E-1	0.00E+0	4.16E-3	1.95E-1	3.07E+2
JD249	351101	Passenger motor cars	乗用車	4.49E-2	0.00E+0	1.02E-2	3.47E-2	2.44E+2
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	4.09E-2	0.00E+0	1.07E-2	3.02E-2	2.30E+2
JD251	353101	Two-wheel motor vehicles	二輪自動車	4.67E-2	0.00E+0	9.81E-3	3.69E-2	2.58E+2
JD252	354101	Motor vehicle bodies	自動車車体	3.46E-2	0.00E+0	1.66E-2	1.80E-2	1.59E+2
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	4.04E-2	0.00E+0	4.69E-3	3.57E-2	2.89E+2
JD254	354103	Motor vehicle parts and accessories	自動車部品	3.59E-2	3.32E-3	9.42E-3	2.32E-2	1.96E+2
JD255	361101	Steel ships	鋼船	4.92E-2	0.00E+0	1.85E-2	3.07E-2	1.94E+2
JD256	361102	Ships (except steel ships)	その他の船舶	4.13E-2	0.00E+0	7.33E-3	3.39E-2	2.72E+2
JD257	361103	Internal combustion engines for vessels	船用内燃機関	2.41E-2	0.00E+0	4.09E-3	2.00E-2	2.62E+2
JD258	361110	Repair of ships	船舶修理	2.39E-2	0.00E+0	1.12E-2	1.27E-2	1.62E+2
JD259	362101	Rolling stock	鉄道車両	4.40E-2	0.00E+0	2.05E-2	2.34E-2	1.61E+2
JD260	362110	Repair of rolling stock	鉄道車両修理	2.49E-2	0.00E+0	1.04E-2	1.46E-2	1.66E+2
JD261	362201	Aircrafts	航空機	3.52E-2	0.00E+0	4.59E-3	3.06E-2	3.03E+2
JD262	362210	Repair of aircrafts	航空機修理	8.21E-2	0.00E+0	2.17E-3	8.00E-2	3.82E+2
JD263	362901	Bicycles	自転車	2.18E-2	0.00E+0	2.63E-3	1.92E-2	2.73E+2
JD264	362909	Other transport equipment	その他の輸送機械	1.89E-2	0.00E+0	4.99E-3	1.39E-2	2.21E+2
JD265	371101	Camera	カメラ	2.58E-1	0.00E+0	7.89E-3	2.51E-1	3.32E+2
JD266	371109	Other photographic and optical instruments	その他の光学機械	5.71E-2	0.00E+0	5.15E-3	5.19E-2	4.25E+2

Table A7: Embodied global HFCs intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global HFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD267	371201	Watches and clocks	時計	7.72E-2	0.00E+0	5.91E-3	7.13E-2	3.08E+2
JD268	371901	Professional and scientific instruments	理化学機械器具	2.52E-2	0.00E+0	4.64E-3	2.05E-2	2.54E+2
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	1.19E-1	0.00E+0	5.11E-3	1.14E-1	3.16E+2
JD270	371903	Medical instruments	医療用機械器具	1.33E-1	0.00E+0	9.56E-3	1.23E-1	3.03E+2
JD271	391101	Toys and games	がん具	1.42E-1	0.00E+0	8.15E-3	1.33E-1	3.21E+2
JD272	391102	Sporting and athletic goods	運動用品	2.14E-2	0.00E+0	1.24E-2	8.96E-3	1.14E+2
JD273	391901	Musical instruments	楽器	4.60E-2	0.00E+0	8.16E-3	3.79E-2	2.61E+2
JD274	391902	Audio and video records, other information recording media	情報記録物	1.91E-2	0.00E+0	1.30E-2	6.07E-3	8.89E+1
JD275	391903	Stationery	筆記具・文具	1.61E-2	0.00E+0	1.00E-2	6.08E-3	1.05E+2
JD276	391904	Jewelry and adornments	身辺細貨品	2.34E-2	0.00E+0	7.95E-3	1.54E-2	2.12E+2
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	8.26E-3	0.00E+0	4.52E-3	3.74E-3	1.25E+2
JD278	391906	Ordnance	武器	2.96E-2	0.00E+0	7.01E-3	2.26E-2	2.22E+2
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	2.10E-2	0.00E+0	1.36E-2	7.38E-3	9.53E+1
JD280	392101	Reuse and recycling	再生资源回収・加工処理	8.24E-3	0.00E+0	3.98E-3	4.26E-3	1.64E+2
JD281	411101	Residential construction (wooden)	住宅建築(木造)	1.88E-2	0.00E+0	9.24E-3	9.52E-3	1.44E+2
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	2.35E-2	0.00E+0	1.23E-2	1.12E-2	1.37E+2
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	4.68E-2	0.00E+0	3.36E-2	1.32E-2	8.40E+1
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	4.37E-2	0.00E+0	3.03E-2	1.34E-2	9.17E+1
JD285	412101	Repair of construction	建設補修	1.97E-2	0.00E+0	8.13E-3	1.16E-2	1.73E+2
JD286	413101	Public construction of roads	道路関係公共事業	1.46E-2	0.00E+0	7.90E-3	6.70E-3	1.30E+2
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	2.45E-2	0.00E+0	1.25E-2	1.20E-2	1.43E+2
JD288	413103	Agricultural public construction	農林関係公共事業	1.69E-2	0.00E+0	1.01E-2	6.79E-3	1.12E+2
JD289	413201	Railway construction	鉄道軌道建設	1.64E-2	0.00E+0	7.01E-3	9.35E-3	1.63E+2
JD290	413202	Electric power facilities construction	電力施設建設	2.47E-2	0.00E+0	7.11E-3	1.76E-2	2.22E+2
JD291	413203	Telecommunication facilities construction	電気通信施設建設	8.41E-2	0.00E+0	8.01E-3	7.61E-2	3.19E+2
JD292	413209	Other civil engineering and construction	その他の土木建設	1.82E-2	0.00E+0	8.51E-3	9.72E-3	1.54E+2
JD293	5111001	Electricity	事業用電力	2.05E-2	0.00E+0	3.94E-3	1.66E-2	2.30E+2
JD294	511104	On-site power generation	自家発電	1.79E-2	0.00E+0	2.97E-3	1.49E-2	2.58E+2
JD295	512101	Gas supply	都市ガス	1.29E-2	0.00E+0	2.28E-3	1.06E-2	3.13E+2
JD296	512201	Steam and hot water supply	熱供給業	1.80E-2	0.00E+0	4.14E-3	1.39E-2	2.20E+2
JD297	521101	Water supply	上水道・簡易水道	7.88E-3	0.00E+0	3.88E-3	4.00E-3	1.49E+2
JD298	521102	Industrial water supply	工業用水	9.00E-3	0.00E+0	2.76E-3	6.24E-3	2.10E+2
JD299	521103	Sewage disposal **	下水道★★	2.93E-2	0.00E+0	9.32E-3	2.00E-2	1.98E+2
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	1.56E-2	0.00E+0	8.14E-3	7.46E-3	1.36E+2
JD301	521202	Waste management services (private)	廃棄物処理(産業)	9.73E-3	0.00E+0	4.62E-3	5.11E-3	1.50E+2
JD302	611101	Wholesale trade	卸売	8.54E-3	0.00E+0	5.43E-3	3.10E-3	1.03E+2
JD303	611201	Retail trade	小売	9.23E-3	0.00E+0	5.70E-3	3.52E-3	1.09E+2
JD304	621101	Financial service	金融	6.09E-3	0.00E+0	1.90E-3	4.19E-3	2.26E+2
JD305	621201	Life insurance	生命保険	5.39E-3	0.00E+0	2.34E-3	3.05E-3	1.67E+2
JD306	621202	Non-life insurance	損害保険	3.90E-3	0.00E+0	1.41E-3	2.49E-3	1.95E+2
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	4.29E-3	0.00E+0	1.70E-3	2.59E-3	1.71E+2
JD308	641102	Real estate rental service	不動産賃貸業	2.79E-3	0.00E+0	1.24E-3	1.55E-3	1.55E+2
JD309	642101	House rent	住宅賃貸料	3.09E-3	0.00E+0	1.38E-3	1.70E-3	1.55E+2
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	1.48E-3	0.00E+0	6.14E-4	8.63E-4	1.67E+2
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	6.36E-3	0.00E+0	2.15E-3	4.21E-3	1.84E+2
JD312	711201	Railway transport (freight)	鉄道貨物輸送	9.14E-3	0.00E+0	2.88E-3	6.26E-3	1.91E+2
JD313	712101	Bus transport service	バス	9.21E-3	2.02E-3	1.43E-3	5.77E-3	2.05E+2
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	1.19E-2	5.35E-3	1.11E-3	5.45E-3	1.56E+2
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	1.25E-2	4.96E-3	1.41E-3	6.17E-3	1.73E+2
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	1.37E-1	1.12E-1	3.26E-3	2.21E-2	6.06E+1
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	2.00E-1	1.77E-1	3.26E-3	1.99E-2	3.64E+1
JD318	714101	Ocean transport	外洋輸送	7.03E-2	0.00E+0	9.90E-4	6.93E-2	3.92E+2
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	1.29E-2	0.00E+0	2.79E-3	1.01E-2	2.75E+2
JD320	714301	Harbor transport service	港湾運送	4.81E-3	0.00E+0	1.60E-3	3.21E-3	1.90E+2
JD321	715101	Air transport	航空輸送	2.37E-2	0.00E+0	2.81E-3	2.09E-2	2.45E+2
JD322	716101	Consigned freight forwarding	貨物利用運送	6.16E-3	0.00E+0	1.84E-3	4.32E-3	1.99E+2
JD323	717101	Storage facility service	倉庫	6.59E-3	0.00E+0	2.33E-3	4.26E-3	1.86E+2
JD324	718101	Packing service	こん包	9.84E-3	0.00E+0	5.59E-3	4.25E-3	1.17E+2
JD325	718901	Facility service for road transport	道路輸送施設提供	4.62E-3	0.00E+0	1.58E-3	3.05E-3	1.89E+2
JD326	718902	Port and water traffic control **	水運施設管理★★	6.90E-3	0.00E+0	2.47E-3	4.42E-3	1.82E+2
JD327	718903	Services relating to water transport	その他の水運付帯サービス	3.02E-3	0.00E+0	1.08E-3	1.94E-3	1.82E+2
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	1.48E-2	0.00E+0	3.09E-3	1.17E-2	2.39E+2
JD329	718905	Airport and air traffic control	航空施設管理(産業)	1.05E-2	0.00E+0	2.65E-3	7.88E-3	2.21E+2
JD330	718906	Services relating to air transport	その他の航空付帯サービス	6.23E-3	0.00E+0	1.81E-3	4.42E-3	2.09E+2
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	6.14E-3	0.00E+0	2.49E-3	3.64E-3	1.79E+2
JD332	731101	Postal service*	郵便・信書便	4.07E-3	0.00E+0	1.97E-3	2.10E-3	1.51E+2
JD333	731201	Fixed telecommunication	固定電気通信	6.62E-3	0.00E+0	2.19E-3	4.43E-3	2.41E+2
JD334	731202	Mobile telecommunication	移動電気通信	5.36E-3	0.00E+0	1.93E-3	3.44E-3	1.92E+2
JD335	731203	Other telecommunication	その他の電気通信	7.66E-3	0.00E+0	2.49E-3	5.16E-3	2.08E+2
JD336	731909	Other services relating to communication	その他の通信サービス	8.15E-3	0.00E+0	2.60E-3	5.55E-3	2.02E+2
JD337	732101	Public broadcasting	公共放送	1.18E-2	0.00E+0	4.04E-3	7.78E-3	2.02E+2
JD338	732102	Private broadcasting	民間放送	1.42E-2	0.00E+0	4.52E-3	9.67E-3	2.45E+2
JD339	732103	Cable broadcasting	有線放送	8.95E-3	0.00E+0	3.15E-3	5.80E-3	1.97E+2
JD340	733101	Information services	情報サービス	7.40E-3	0.00E+0	3.38E-3	4.02E-3	1.60E+2
JD341	734101	Internet based services	インターネット附随サービス	7.64E-3	0.00E+0	2.74E-3	4.90E-3	1.93E+2
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	3.16E-2	0.00E+0	6.60E-3	2.50E-2	3.44E+2
JD343	735102	Newspaper	新聞	9.00E-3	0.00E+0	3.24E-3	5.76E-3	1.81E+2
JD344	735103	Publication	出版	8.03E-3	0.00E+0	3.52E-3	4.51E-3	1.60E+2
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	7.99E-3	0.00E+0	3.06E-3	4.93E-3	1.90E+2
JD346	811101	Public administration (central) **	公務(中央)★★	2.05E-2	0.00E+0	3.09E-3	1.74E-2	2.70E+2
JD347	811201	Public administration (local) **	公務(地方)★★	5.40E-3	0.00E+0	2.62E-3	2.78E-3	1.48E+2
JD348	821101	School education (public) **	学校教育(国公立)★★	2.42E-3	0.00E+0	1.00E-3	1.42E-3	1.70E+2
JD349	821102	School education (private) *	学校教育(私立)★	6.38E-3	0.00E+0	2.66E-3	3.72E-3	1.67E+2
JD350	821301	Social education (public) **	社会教育(国公立)★★	6.23E-3	0.00E+0	2.63E-3	3.60E-3	1.65E+2
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	1.17E-2	0.00E+0	6.22E-3	5.44E-3	1.32E+2
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★★	1.07E-2	0.00E+0	3.86E-3	6.84E-3	1.85E+2

Table A7: Embodied global HFCs intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global HFCs intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	8.07E-3	0.00E+0	2.48E-3	5.59E-3	2.02E+2
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	1.12E-2	0.00E+0	4.13E-3	7.02E-3	1.79E+2
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	1.12E-2	0.00E+0	4.43E-3	6.73E-3	1.74E+2
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	1.49E-2	0.00E+0	5.44E-3	9.41E-3	1.82E+2
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	8.77E-3	0.00E+0	4.18E-3	4.58E-3	1.49E+2
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	1.85E-2	0.00E+0	6.16E-3	1.24E-2	1.90E+2
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	7.14E-3	0.00E+0	2.89E-3	4.25E-3	1.75E+2
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	9.72E-3	0.00E+0	3.26E-3	6.46E-3	1.89E+2
JD361	831101	Medical service (public)	医療(国公立)	1.08E-1	5.48E-3	8.61E-3	9.37E-2	3.03E+2
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	6.28E-2	5.49E-3	7.97E-3	4.93E-2	2.71E+2
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	9.31E-2	6.22E-3	8.90E-3	7.80E-2	2.92E+2
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	6.19E-3	0.00E+0	2.79E-3	3.40E-3	1.57E+2
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	1.09E-2	0.00E+0	4.44E-3	6.49E-3	1.76E+2
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	6.62E-3	0.00E+0	2.45E-3	4.17E-3	1.88E+2
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	6.60E-3	0.00E+0	2.37E-3	4.23E-3	1.89E+2
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	5.52E-3	0.00E+0	2.41E-3	3.11E-3	1.56E+2
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	5.76E-3	0.00E+0	2.81E-3	2.95E-3	1.42E+2
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	5.72E-3	0.00E+0	2.68E-3	3.04E-3	1.47E+2
JD371	831401	Nursing care (In-home)	介護(居宅)	1.51E-2	0.00E+0	2.66E-3	1.24E-2	2.70E+2
JD372	831402	Nursing care (In-facility)	介護(施設)	1.97E-2	0.00E+0	2.68E-3	1.70E-2	2.88E+2
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	8.53E-3	0.00E+0	3.71E-3	4.82E-3	1.63E+2
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	6.45E-3	0.00E+0	2.81E-3	3.64E-3	1.63E+2
JD375	851101	Advertising services	広告	1.12E-2	0.00E+0	4.77E-3	6.39E-3	1.91E+2
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	2.31E-2	0.00E+0	6.01E-3	1.71E-2	2.34E+2
JD377	851301	Car rental and leasing	貸自動車業	4.45E-3	0.00E+0	1.88E-3	2.58E-3	1.63E+2
JD378	851410	Repair of motor vehicles	自動車修理	2.11E-2	0.00E+0	7.83E-3	1.33E-2	1.94E+2
JD379	851510	Repair of machine	機械修理	1.67E-1	0.00E+0	3.79E-2	1.30E-1	2.50E+2
JD380	851901	Building maintenance services	建物サービス	5.41E-3	0.00E+0	2.61E-3	2.79E-3	1.49E+2
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	3.76E-3	0.00E+0	1.54E-3	2.22E-3	1.75E+2
JD382	851903	Civil engineering and construction services	土木建築サービス	5.00E-3	0.00E+0	2.10E-3	2.90E-3	1.62E+2
JD383	851904	Worker dispatching services	労働者派遣サービス	7.58E-4	0.00E+0	2.32E-4	5.26E-4	2.03E+2
JD384	851909	Other business services	その他の対事業所サービス	5.70E-3	0.00E+0	2.38E-3	3.32E-3	1.71E+2
JD385	861101	Movie theaters	映画館	2.19E-2	0.00E+0	5.12E-3	1.68E-2	3.12E+2
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	2.05E-2	0.00E+0	1.66E-2	3.90E-3	5.77E+1
JD387	861103	Amusement and recreation facilities	遊戯場	1.29E-2	0.00E+0	6.06E-3	6.87E-3	1.53E+2
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	8.26E-3	0.00E+0	4.21E-3	4.05E-3	1.42E+2
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	9.58E-3	0.00E+0	4.78E-3	4.80E-3	1.45E+2
JD390	861109	Other amusement and recreation services	その他の娯楽	1.36E-2	0.00E+0	8.83E-3	4.81E-3	1.01E+2
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	8.46E-3	0.00E+0	2.92E-3	5.54E-3	1.75E+2
JD392	861202	Coffee shops	喫茶店	7.88E-3	0.00E+0	2.93E-3	4.95E-3	1.72E+2
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	6.82E-3	0.00E+0	2.36E-3	4.46E-3	1.81E+2
JD394	861301	Hotels	宿泊業	8.94E-3	0.00E+0	4.49E-3	4.45E-3	1.36E+2
JD395	861401	Cleaning	洗濯業	8.20E-3	0.00E+0	3.81E-3	4.39E-3	1.53E+2
JD396	861402	Barber shops	理容業	8.83E-3	0.00E+0	6.42E-3	2.41E-3	7.70E+1
JD397	861403	Beauty shops	美容業	9.71E-3	0.00E+0	6.82E-3	2.90E-3	8.42E+1
JD398	861404	Public baths	浴場業	1.14E-2	0.00E+0	5.68E-3	5.68E-3	1.47E+2
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	5.25E-2	0.00E+0	4.83E-2	4.24E-3	2.29E+1
JD400	861901	Photographic studios	写真業	1.07E-2	0.00E+0	6.30E-3	4.42E-3	1.19E+2
JD401	861902	Ceremonial occasions	冠婚葬祭業	1.13E-2	0.00E+0	7.16E-3	4.11E-3	1.05E+2
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	1.01E-2	0.00E+0	5.46E-3	4.62E-3	1.29E+2
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	6.52E-3	0.00E+0	4.09E-3	2.43E-3	1.05E+2
JD404	861909	Other personal services	その他の対個人サービス	7.29E-3	0.00E+0	4.49E-3	2.80E-3	1.09E+2
JD405	890000	Office supplies	事務用品	4.50E-2	0.00E+0	7.86E-3	3.71E-2	2.55E+2
JD406	900000	Activities not elsewhere classified	分類不明	2.06E-2	0.00E+0	7.58E-3	1.31E-2	1.82E+2

Table A8: Embodied global SF<sub>6</sub> intensities of Japanese goods and services based on producer price in 2005 [1/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SF <sub>6</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD1	011101	Rice	米	2.61E-3	0.00E+0	1.00E-3	1.60E-3	7.80E+1
JD2	011102	Wheat, barley and the like	麦類	3.27E-3	0.00E+0	1.23E-3	2.04E-3	7.92E+1
JD3	011201	Potatoes and sweet potatoes	いも類	2.29E-3	0.00E+0	7.52E-4	1.54E-3	8.73E+1
JD4	011202	Pulses	豆類	2.89E-3	0.00E+0	1.10E-3	1.78E-3	7.69E+1
JD5	011301	Vegetables	野菜	2.48E-3	0.00E+0	7.61E-4	1.72E-3	9.49E+1
JD6	011401	Fruits	果実	2.17E-3	0.00E+0	6.89E-4	1.48E-3	8.88E+1
JD7	011501	Sugar crops	砂糖原料作物	2.35E-3	0.00E+0	7.58E-4	1.60E-3	8.97E+1
JD8	011502	Crops for beverages	飲料用作物	3.04E-3	0.00E+0	1.38E-3	1.67E-3	7.03E+1
JD9	011509	Other edible crops	その他の食用耕種作物	2.70E-3	0.00E+0	8.93E-4	1.81E-3	8.55E+1
JD10	011601	Crops for feed and forage	飼料作物	2.69E-3	0.00E+0	9.11E-4	1.78E-3	8.25E+1
JD11	011602	Seeds and seedlings	種苗	2.06E-3	0.00E+0	6.02E-4	1.46E-3	1.21E+2
JD12	011603	Flowers and plants	花き・花木類	4.71E-3	0.00E+0	1.17E-3	3.54E-3	1.13E+2
JD13	011609	Other inedible crops	その他の非食用耕種作物	1.58E-3	0.00E+0	5.01E-4	1.08E-3	8.85E+1
JD14	012101	Dairy cattle farming	酪農	2.56E-3	0.00E+0	9.78E-4	1.58E-3	7.28E+1
JD15	012102	Hen eggs	鶏卵	2.46E-3	0.00E+0	8.31E-4	1.63E-3	7.99E+1
JD16	012103	Fowls and broilers	肉鶏	3.17E-3	0.00E+0	1.19E-3	1.99E-3	7.56E+1
JD17	012104	Hogs	豚	2.81E-3	0.00E+0	1.16E-3	1.65E-3	7.06E+1
JD18	012105	Beef cattle	肉用牛	2.71E-3	0.00E+0	1.00E-3	1.70E-3	7.52E+1
JD19	012109	Other livestock	その他の畜産	2.65E-3	0.00E+0	1.07E-3	1.58E-3	7.11E+1
JD20	013101	Veterinary service	獣医療	3.47E-3	0.00E+0	9.70E-4	2.50E-3	9.07E+1
JD21	013102	Agricultural services (except veterinary service)	農業サービス (除獣医療)	3.82E-3	0.00E+0	1.82E-3	1.99E-3	6.48E+1
JD22	021101	Silviculture	育林	7.97E-4	0.00E+0	2.76E-4	5.21E-4	8.15E+1
JD23	021201	Logs	素材	2.69E-3	0.00E+0	8.55E-4	1.84E-3	8.70E+1
JD24	021301	Special forest products (inc. hunting)	特用林産物 (含狩猟業)	4.77E-3	0.00E+0	1.80E-3	2.97E-3	8.83E+1
JD25	031101	Marine fisheries	海面漁業	5.41E-3	0.00E+0	9.21E-4	4.49E-3	1.15E+2
JD26	031104	Marine culture	海面養殖業	3.52E-3	0.00E+0	9.12E-4	2.60E-3	9.61E+1
JD27	0312001	Inland water fisheries and culture	内水面漁業・養殖業	4.10E-3	0.00E+0	1.60E-3	2.50E-3	8.03E+1
JD28	061101	Metallic ores	金属鉱物	7.57E-3	0.00E+0	4.79E-3	2.78E-3	4.96E+1
JD29	062101	Materials for ceramics	窯業原料鉱物	6.24E-3	0.00E+0	2.47E-3	3.77E-3	8.69E+1
JD30	062201	Gravel and quarrying	砂利・採石	6.71E-3	0.00E+0	2.34E-3	4.37E-3	9.62E+1
JD31	062202	Crushed stones	砕石	6.14E-3	0.00E+0	2.28E-3	3.86E-3	9.36E+1
JD32	062909	Other non-metallic ores	その他の非金属鉱物	8.26E-3	0.00E+0	3.01E-3	5.25E-3	9.24E+1
JD33	071101	Coal mining, crude petroleum and natural gas	石炭・原油・天然ガス	5.18E-3	0.00E+0	3.50E-3	1.69E-3	4.04E+1
JD34	0711011	Coal mining	石炭	5.18E-3	0.00E+0	3.50E-3	1.69E-3	4.04E+1
JD35	0711012	Crude petroleum	原油	5.18E-3	0.00E+0	3.50E-3	1.69E-3	4.04E+1
JD36	0711013	Natural gas	天然ガス	5.18E-3	0.00E+0	3.50E-3	1.69E-3	4.04E+1
JD37	111101	Slaughtering and meat processing	と畜 (含肉鶏処理)	2.66E-3	0.00E+0	1.03E-3	1.63E-3	7.38E+1
JD38	111201	Processed meat products	肉加工品	2.94E-3	0.00E+0	7.36E-4	2.20E-3	1.01E+2
JD39	111202	Bottled or canned meat products	畜産びん・かん詰	2.59E-3	0.00E+0	1.15E-3	1.44E-3	6.69E+1
JD40	111203	Dairy farm products	酪農品	3.05E-3	0.00E+0	1.26E-3	1.80E-3	7.25E+1
JD41	111301	Frozen fish and shellfish	冷凍魚介類	3.84E-3	0.00E+0	9.41E-4	2.90E-3	9.13E+1
JD42	111302	Salted, dried or smoked seafood	塩・干・くん製品	2.82E-3	0.00E+0	8.14E-4	2.01E-3	8.80E+1
JD43	111303	Bottled or canned seafood	水産びん・かん詰	3.10E-3	0.00E+0	1.22E-3	1.87E-3	7.67E+1
JD44	111304	Fish paste	ねり製品	2.74E-3	0.00E+0	1.05E-3	1.69E-3	7.38E+1
JD45	111309	Other processed seafood	その他の水産食品	2.59E-3	0.00E+0	8.67E-4	1.72E-3	8.17E+1
JD46	111401	Grain milling	精穀	2.50E-3	0.00E+0	1.01E-3	1.49E-3	7.61E+1
JD47	111402	Flour and other grain milled products	製粉	3.34E-3	0.00E+0	1.04E-3	2.30E-3	8.15E+1
JD48	111501	Noodles	めん類	2.85E-3	0.00E+0	1.05E-3	1.80E-3	7.91E+1
JD49	111502	Bread	パン類	2.40E-3	0.00E+0	1.05E-3	1.35E-3	6.74E+1
JD50	111503	Confectionery	菓子類	2.46E-3	0.00E+0	1.01E-3	1.44E-3	7.13E+1
JD51	111601	Bottled or canned vegetables and fruits	農産びん・かん詰	3.23E-3	0.00E+0	1.49E-3	1.75E-3	6.56E+1
JD52	111602	Preserved agricultural foodstuffs (other than bottled or canned)	農産保存食料品 (除びん・かん詰)	2.12E-3	0.00E+0	8.73E-4	1.25E-3	7.54E+1
JD53	111701	Sugar	砂糖	3.90E-3	0.00E+0	1.43E-3	2.47E-3	8.23E+1
JD54	111702	Starch	でん粉	3.40E-3	0.00E+0	1.23E-3	2.17E-3	7.83E+1
JD55	111703	Dextrose, syrup and isomerized sugar	ぶどう糖・水あめ・異性化糖	4.92E-3	0.00E+0	2.41E-3	2.51E-3	6.77E+1
JD56	111704	Vegetable oils and meal	植物油脂	3.19E-3	0.00E+0	1.07E-3	2.12E-3	8.25E+1
JD57	111705	Animal oils and fats	動物油脂	4.36E-3	0.00E+0	1.93E-3	2.43E-3	7.30E+1
JD58	111706	Condiments and seasonings	調味料	2.69E-3	0.00E+0	1.19E-3	1.51E-3	6.88E+1
JD59	111901	Prepared frozen foods	冷凍調理食品	3.00E-3	0.00E+0	1.28E-3	1.72E-3	6.81E+1
JD60	111902	Retort foods	レトルト食品	2.82E-3	0.00E+0	9.81E-4	1.84E-3	7.83E+1
JD61	111903	Dishes, sushi and lunch boxes	そう菜・すし・弁当	2.54E-3	0.00E+0	9.48E-4	1.59E-3	7.48E+1
JD62	111904	School lunch (public) **	学校給食 (国公立) ★★	1.93E-3	0.00E+0	6.92E-4	1.24E-3	7.78E+1
JD63	111905	School lunch (private) *	学校給食 (私立) ★	2.06E-3	0.00E+0	7.69E-4	1.29E-3	7.36E+1
JD64	111909	Other foods	その他の食料品	3.10E-3	0.00E+0	1.37E-3	1.73E-3	6.96E+1
JD65	112101	Refined sake	清酒	2.03E-3	0.00E+0	9.73E-4	1.06E-3	6.70E+1
JD66	112102	Beer	ビール	1.50E-3	0.00E+0	8.30E-4	6.66E-4	5.65E+1
JD67	112103	Whiskey and brandy	ウイスキー類	1.75E-3	0.00E+0	8.04E-4	9.42E-4	6.91E+1
JD68	112109	Other liquors	その他の酒類	1.93E-3	0.00E+0	8.17E-4	1.12E-3	7.35E+1
JD69	112901	Tea and roasted coffee	茶・コーヒー	2.69E-3	0.00E+0	1.10E-3	1.59E-3	8.41E+1
JD70	112902	Soft drinks	清涼飲料	2.56E-3	0.00E+0	1.22E-3	1.34E-3	6.47E+1
JD71	112903	Manufactured ice	製氷	8.18E-3	0.00E+0	5.13E-3	3.05E-3	4.53E+1
JD72	113101	Animal feed	飼料	2.58E-3	0.00E+0	7.81E-4	1.80E-3	8.37E+1
JD73	113102	Organic fertilizers, n.e.c.	有機質肥料 (除別掲)	2.13E-3	0.00E+0	7.24E-4	1.40E-3	8.08E+1
JD74	114101	Tobacco	たばこ	7.03E-4	0.00E+0	2.67E-4	4.37E-4	7.62E+1
JD75	151101	Fiber yarns	紡績糸	3.40E-3	0.00E+0	1.44E-3	1.95E-3	7.29E+1
JD76	151201	Cotton and staple fiber fabrics (inc. fabrics of synthetic spun fibers)	綿・スフ織物 (含合繊短繊維織物)	3.91E-3	0.00E+0	1.86E-3	2.05E-3	7.15E+1
JD77	151202	Silk and artificial silk fabrics (inc. fabrics of synthetic filament fibers)	絹・人絹織物 (含合繊長繊維織物)	4.35E-3	0.00E+0	1.91E-3	2.44E-3	7.47E+1
JD78	151203	Woolen fabrics, hemp fabrics and other fabrics	毛織物・麻織物・その他の織物	3.58E-3	0.00E+0	1.54E-3	2.04E-3	7.59E+1
JD79	151301	Knitting fabrics	ニット生地	2.94E-3	0.00E+0	1.34E-3	1.60E-3	7.15E+1
JD80	151401	Yarn and fabric dyeing and finishing (processing on commission only)	染色整理	4.78E-3	0.00E+0	1.89E-3	2.89E-3	8.19E+1
JD81	151901	Ropes and nets	綱・網	4.08E-3	0.00E+0	1.65E-3	2.42E-3	7.97E+1
JD82	151902	Carpets and floor mats	じゅうたん・床敷物	3.98E-3	0.00E+0	1.57E-3	2.41E-3	7.98E+1
JD83	151903	Fabricated textiles for medical use	繊維製衛生材料	2.98E-3	0.00E+0	1.50E-3	1.48E-3	6.31E+1
JD84	151909	Other fabricated textile products	その他の繊維工業製品	3.76E-3	0.00E+0	1.54E-3	2.22E-3	7.68E+1
JD85	152101	Woven fabric apparel	織物製衣服	2.61E-3	0.00E+0	1.09E-3	1.52E-3	7.41E+1
JD86	152102	Knitted apparel	ニット製衣服	3.19E-3	0.00E+0	1.46E-3	1.73E-3	7.01E+1
JD87	152209	Other wearing apparel and clothing accessories	その他の衣服・身の回り品	3.23E-3	0.00E+0	1.48E-3	1.75E-3	7.05E+1
JD88	152901	Bedding	寝具	2.31E-3	0.00E+0	8.72E-4	1.43E-3	7.52E+1
JD89	152909	Other ready-made textile products	その他の繊維既製品	2.54E-3	0.00E+0	1.09E-3	1.45E-3	7.39E+1
JD90	161101	Timber	製材	3.23E-3	0.00E+0	7.95E-4	2.43E-3	1.26E+2
JD91	161102	Plywood	合板	4.04E-3	0.00E+0	1.52E-3	2.52E-3	8.34E+1
JD92	161103	Wooden chips	木材チップ	3.39E-3	0.00E+0	1.43E-3	1.96E-3	7.29E+1

Table A8: Embodied global SF<sub>6</sub> intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SF <sub>6</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD93	161909	Other wooden products	その他の木製品	3.10E-3	0.00E+0	1.42E-3	1.68E-3	6.60E+1
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	4.96E-3	0.00E+0	3.54E-3	1.42E-3	3.55E+1
JD95	171102	Wooden fixtures	木製建具	4.22E-3	0.00E+0	2.82E-3	1.40E-3	4.19E+1
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	8.50E-3	0.00E+0	6.99E-3	1.51E-3	2.14E+1
JD97	181101	Pulp	パルプ	7.48E-3	0.00E+0	4.38E-3	3.10E-3	5.76E+1
JD98	181201	Paper	洋紙・和紙	7.52E-3	0.00E+0	5.17E-3	2.34E-3	3.87E+1
JD99	181202	Paperboard	板紙	7.41E-3	0.00E+0	4.86E-3	2.55E-3	4.38E+1
JD100	181301	Corrugated cardboard	段ボール	4.79E-3	0.00E+0	2.83E-3	1.96E-3	5.15E+1
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	3.94E-3	0.00E+0	1.99E-3	1.95E-3	6.41E+1
JD102	182101	Corrugated card board boxes	段ボール箱	2.76E-3	0.00E+0	1.48E-3	1.28E-3	5.97E+1
JD103	182109	Other paper containers	その他の紙製容器	2.98E-3	0.00E+0	1.49E-3	1.49E-3	6.14E+1
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	3.69E-3	0.00E+0	1.65E-3	2.04E-3	7.17E+1
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	3.07E-3	0.00E+0	1.69E-3	1.38E-3	5.71E+1
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	2.34E-3	0.00E+0	1.26E-3	1.08E-3	5.81E+1
JD107	201101	Chemical fertilizer	化学肥料	6.49E-3	0.00E+0	1.93E-3	4.55E-3	1.00E+2
JD108	202101	Industrial soda chemicals	ソーダ工業製品	1.41E-2	0.00E+0	1.06E-2	3.53E-3	3.25E+1
JD109	202901	Inorganic pigment	無機顔料	6.96E-3	0.00E+0	3.37E-3	3.59E-3	6.65E+1
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	1.18E-2	0.00E+0	8.89E-3	2.92E-3	3.13E+1
JD111	202903	Salt	塩	4.73E-3	0.00E+0	2.15E-3	2.58E-3	6.46E+1
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	5.99E-3	0.00E+0	2.86E-3	3.13E-3	6.38E+1
JD113	203101	Petrochemical basic products	石油化学基礎製品	2.61E-2	0.00E+0	1.83E-3	2.43E-2	1.44E+2
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	2.18E-2	0.00E+0	1.35E-3	2.04E-2	1.45E+2
JD115	203201	Aliphatic intermediates	脂肪族中間物	1.58E-2	0.00E+0	3.24E-3	1.25E-2	1.17E+2
JD116	203202	Cyclic intermediates	環状中間物	1.32E-2	0.00E+0	1.88E-3	1.14E-2	1.24E+2
JD117	203301	Synthetic rubber	合成ゴム	1.32E-2	0.00E+0	3.91E-3	9.25E-3	1.03E+2
JD118	203901	Methane derivatives	メタン誘導品	7.00E-3	0.00E+0	2.63E-3	4.37E-3	7.75E+1
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	3.25E-3	0.00E+0	1.28E-3	1.97E-3	7.54E+1
JD120	203903	Plasticizers	可塑剤	6.01E-3	0.00E+0	1.93E-3	4.09E-3	8.57E+1
JD121	203904	Synthetic dyes	合成染料	6.35E-3	0.00E+0	2.76E-3	3.59E-3	7.36E+1
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	6.98E-3	0.00E+0	2.85E-3	4.13E-3	7.95E+1
JD123	204101	Thermo-setting resins	熱硬化性樹脂	7.64E-3	0.00E+0	1.63E-3	6.01E-3	1.05E+2
JD124	204102	Thermoplastics resins	熱可塑性樹脂	1.47E-2	0.00E+0	2.06E-3	1.26E-2	1.29E+2
JD125	204103	High function resins	高機能性樹脂	8.55E-3	0.00E+0	1.79E-3	6.76E-3	1.06E+2
JD126	204109	Other resins	その他の合成樹脂	8.04E-3	0.00E+0	1.76E-3	6.28E-3	1.07E+2
JD127	205101	Rayon and acetate	レーヨン・アセテート	6.12E-3	0.00E+0	2.65E-3	3.47E-3	7.31E+1
JD128	205102	Synthetic fibers	合成繊維	8.06E-3	0.00E+0	3.08E-3	4.99E-3	8.45E+1
JD129	206101	Medicaments	医薬品	2.68E-3	0.00E+0	1.12E-3	1.56E-3	7.17E+1
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	3.74E-3	0.00E+0	1.35E-3	2.39E-3	8.04E+1
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	3.20E-3	0.00E+0	1.44E-3	1.76E-3	6.87E+1
JD132	207201	Paint and varnishes	塗料	5.43E-3	0.00E+0	1.48E-3	3.95E-3	9.70E+1
JD133	207202	Printing ink	印刷インキ	5.05E-3	0.00E+0	1.39E-3	3.67E-3	9.65E+1
JD134	207301	Photographic sensitive materials	写真感光材料	4.12E-3	0.00E+0	1.93E-3	2.18E-3	6.48E+1
JD135	207401	Agricultural chemicals	農薬	4.49E-3	0.00E+0	2.04E-3	2.44E-3	6.69E+1
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	4.84E-3	0.00E+0	1.28E-3	3.57E-3	9.49E+1
JD137	207909	Other final chemical products	その他の化学最終製品	5.28E-3	0.00E+0	1.68E-3	3.60E-3	8.85E+1
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	3.13E-2	0.00E+0	1.24E-3	3.00E-2	1.59E+2
JD139	212101	Coal products	石炭製品	4.10E-3	0.00E+0	6.46E-4	3.45E-3	1.45E+2
JD140	212102	Paving materials	舗装材料	9.69E-3	0.00E+0	1.50E-3	8.19E-3	1.32E+2
JD141	221101	Plastic products	プラスチック製品	4.89E-3	0.00E+0	1.78E-3	3.11E-3	8.43E+1
JD142	231101	Tires and inner tubes	タイヤ・チューブ	5.10E-3	0.00E+0	2.16E-3	2.94E-3	7.45E+1
JD143	231901	Rubber footwear	ゴム製履物	2.56E-3	0.00E+0	1.13E-3	1.43E-3	7.53E+1
JD144	231902	Plastic footwear	プラスチック製履物	2.92E-3	0.00E+0	1.31E-3	1.62E-3	7.37E+1
JD145	231909	Other rubber products	その他のゴム製品	3.79E-3	0.00E+0	1.64E-3	2.15E-3	7.23E+1
JD146	241101	Leather footwear	革製履物	2.14E-3	0.00E+0	8.21E-4	1.32E-3	7.34E+1
JD147	241201	Leather and fur skins	製革・毛皮	3.58E-3	0.00E+0	1.03E-3	2.55E-3	8.00E+1
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	3.66E-3	0.00E+0	2.02E-3	1.64E-3	5.42E+1
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	3.48E-3	0.00E+0	1.37E-3	2.12E-3	7.61E+1
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	7.04E-3	0.00E+0	3.83E-3	3.20E-3	6.07E+1
JD151	251909	Other glass products	その他のガラス製品	3.89E-3	0.00E+0	1.63E-3	2.27E-3	7.45E+1
JD152	252101	Cement	セメント	9.63E-3	0.00E+0	6.53E-3	3.10E-3	4.09E+1
JD153	252201	Ready mixed concrete	生コンクリート	4.59E-3	0.00E+0	2.14E-3	2.45E-3	7.23E+1
JD154	252301	Cement products	セメント製品	3.21E-3	0.00E+0	1.53E-3	1.69E-3	6.50E+1
JD155	253101	Pottery, china and earthenware	陶磁器	4.49E-3	0.00E+0	1.89E-3	2.60E-3	7.73E+1
JD156	259901	Clay refractories	耐火物	5.40E-3	0.00E+0	2.76E-3	2.64E-3	5.88E+1
JD157	259902	Other structural clay products	その他の建設用土石製品	4.78E-3	0.00E+0	1.65E-3	3.13E-3	9.53E+1
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	5.56E-3	0.00E+0	2.90E-3	2.66E-3	5.96E+1
JD159	259904	Abrasive	研磨材	3.13E-3	0.00E+0	1.20E-3	1.92E-3	7.55E+1
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	3.77E-3	0.00E+0	1.75E-3	2.02E-3	6.65E+1
JD161	261101	Pig iron	鉄鉄	4.82E-3	0.00E+0	1.95E-3	2.87E-3	1.01E+2
JD162	261102	Ferro alloys	フェロアロイ	6.21E-3	0.00E+0	3.16E-3	3.05E-3	6.41E+1
JD163	261103	Crude steel (converters)	粗鋼(転炉)	4.46E-3	0.00E+0	1.94E-3	2.52E-3	7.61E+1
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	5.65E-3	0.00E+0	3.29E-3	2.36E-3	6.47E+1
JD165	261201	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	3.96E-3	0.00E+0	1.92E-3	2.04E-3	6.41E+1
JD167	262201	Steel pipes and tubes	鋼管	3.39E-3	0.00E+0	1.66E-3	1.73E-3	6.12E+1
JD168	262301	Cold-finished steel	冷間仕上げ鋼材	4.53E-3	0.00E+0	2.52E-3	2.01E-3	5.32E+1
JD169	262302	Coated steel	めっき鋼材	4.48E-3	0.00E+0	2.57E-3	1.91E-3	5.10E+1
JD170	263101	Cast and forged steel	鍛鋼	3.76E-3	0.00E+0	1.96E-3	1.79E-3	5.78E+1
JD171	263102	Cast iron pipes and tubes	铸铁管	4.53E-3	0.00E+0	2.49E-3	2.04E-3	5.93E+1
JD172	263103	Cast and forged materials (iron)	铸铁品及び鍛工品(鉄)	6.67E-3	0.00E+0	4.26E-3	2.21E-3	4.07E+1
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	3.51E-3	0.00E+0	1.89E-3	1.62E-3	5.51E+1
JD174	264909	Other iron or steel products	その他の鉄鋼製品	2.92E-3	0.00E+0	1.53E-3	1.40E-3	5.80E+1
JD175	271101	Copper	銅	4.72E-3	0.00E+0	1.19E-3	3.53E-3	1.50E+2
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	6.40E-3	0.00E+0	3.57E-3	2.83E-3	6.38E+1
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	5.05E-3	0.00E+0	1.47E-3	3.58E-3	8.43E+1
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	4.39E-3	0.00E+0	1.41E-3	2.98E-3	1.29E+2
JD179	271201	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	3.95E-3	0.00E+0	1.33E-3	2.62E-3	8.60E+1
JD181	272102	Optical fiber cables	光ファイバケーブル	2.11E-2	0.00E+0	2.60E-3	1.85E-2	1.16E+2
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	4.43E-3	0.00E+0	1.52E-3	2.91E-3	8.91E+1
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	6.86E-3	0.00E+0	1.08E-3	5.78E-3	1.34E+2



Table A8: Embodied global SF<sub>6</sub> intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SF <sub>6</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属素形材	9.60E-1	9.44E-1	1.28E-2	3.53E-3	4.69E-1
JD185	272204	Nuclear fuels	核燃料	2.75E-3	0.00E+0	6.34E-4	2.12E-3	1.31E+2
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	7.57E-3	0.00E+0	1.37E-3	6.20E-3	1.34E+2
JD187	281101	Metal products for construction	建設用金属製品	3.80E-3	0.00E+0	2.02E-3	1.78E-3	5.48E+1
JD188	281201	Metal products for architecture	建築用金属製品	3.76E-3	0.00E+0	1.74E-3	2.02E-3	7.03E+1
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	6.06E-2	0.00E+0	5.74E-2	3.15E-3	6.17E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	3.22E-3	0.00E+0	1.77E-3	1.45E-3	5.36E+1
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	5.54E-3	0.00E+0	4.19E-3	1.35E-3	2.95E+1
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末冶金製品・道具類	1.24E-2	0.00E+0	1.07E-2	1.76E-3	1.72E+1
JD193	289909	Other metal products	その他の金属製品	7.33E-3	0.00E+0	5.97E-3	1.35E-3	2.27E+1
JD194	301101	Boilers	ボイラ	7.56E-3	0.00E+0	5.98E-3	1.59E-3	2.55E+1
JD195	301102	Turbines	タービン	1.33E-2	0.00E+0	9.49E-3	3.86E-3	3.64E+1
JD196	301103	Engines	原動機	4.26E-2	0.00E+0	3.93E-2	3.25E-3	9.23E+0
JD197	301201	Conveyors	運搬機械	2.38E-2	0.00E+0	1.08E-2	1.29E-2	7.37E+1
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	4.56E-2	0.00E+0	1.63E-2	2.93E-2	9.09E+1
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	4.35E-2	0.00E+0	3.26E-2	1.09E-2	3.42E+1
JD200	301902	Machinists' precision tools	機械工具	2.88E-2	0.00E+0	2.65E-2	2.30E-3	9.88E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	1.14E-2	0.00E+0	8.33E-3	3.03E-3	3.32E+1
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	1.28E-2	0.00E+0	9.74E-3	3.02E-3	3.00E+1
JD203	302201	Chemical machinery	化学機械	9.75E-3	0.00E+0	6.97E-3	2.78E-3	3.46E+1
JD204	302301	Industrial robots	産業用ロボット	3.44E-2	0.00E+0	2.10E-2	1.33E-2	5.13E+1
JD205	302401	Metal machine tools	金属工作機械	2.46E-2	0.00E+0	1.92E-2	5.43E-3	2.73E+1
JD206	302402	Metal processing machinery	金属加工機械	1.35E-2	0.00E+0	1.15E-2	1.99E-3	1.76E+1
JD207	302901	Machinery for agricultural use	農業用機械	1.92E-2	0.00E+0	1.69E-2	2.27E-3	1.44E+1
JD208	302902	Textile machinery	繊維機械	3.03E-2	0.00E+0	2.64E-2	3.92E-3	1.75E+1
JD209	302903	Food processing machinery and equipment	食品機械・同装置	1.96E-2	0.00E+0	1.55E-2	4.11E-3	2.66E+1
JD210	302904	Semiconductor making equipment	半導体製造装置	1.49E-2	0.00E+0	1.06E-2	4.33E-3	4.35E+1
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	3.30E-2	0.00E+0	2.49E-2	8.04E-3	3.31E+1
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	2.06E-2	0.00E+0	1.58E-2	4.86E-3	2.92E+1
JD213	303101	Metal molds	金型	1.34E-2	0.00E+0	1.23E-2	1.12E-3	9.97E+0
JD214	303102	Bearings	ベアリング	5.01E-3	0.00E+0	3.34E-3	1.68E-3	3.99E+1
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	4.65E-2	0.00E+0	4.45E-2	1.97E-3	4.91E+0
JD216	311101	Copy machine	複写機	5.72E-2	0.00E+0	1.98E-2	3.75E-2	8.90E+1
JD217	311109	Other office machines	その他の事務用機械	5.89E-2	0.00E+0	2.83E-2	3.06E-2	6.86E+1
JD218	311201	Machinery for service industry	サービス用機器	6.37E-2	0.00E+0	4.29E-2	2.08E-2	4.29E+1
JD219	321101	Rotating electrical equipment	回転電気機械	6.37E-2	0.00E+0	4.36E-2	2.00E-2	4.07E+1
JD220	321102	Transformers and reactors	変圧器・変成器	1.34E-1	1.05E-1	1.47E-1	1.40E-2	1.59E+1
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	5.36E-1	4.85E-1	3.03E-2	2.04E-2	4.92E+0
JD222	321104	Wiring devices and supplies	配線器具	5.69E-2	0.00E+0	7.06E-3	4.99E-2	1.33E+2
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	3.85E-2	0.00E+0	2.66E-2	1.19E-2	3.99E+1
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	5.61E-2	0.00E+0	3.70E-2	1.90E-2	4.38E+1
JD225	322101	Applied electronic equipment	電子応用装置	9.06E-2	0.00E+0	2.81E-2	6.24E-2	9.20E+1
JD226	323101	Electric measuring instruments	電気計測器	7.95E-2	0.00E+0	2.18E-2	5.77E-2	9.49E+1
JD227	324101	Electric bulbs	電球類	3.98E-2	0.00E+0	2.56E-3	3.72E-2	1.38E+2
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	8.54E-2	0.00E+0	1.03E-2	7.51E-2	1.37E+2
JD229	324103	Batteries	電池	1.89E-2	0.00E+0	9.14E-3	9.79E-3	6.69E+1
JD230	324109	Other electrical devices and parts	その他の電気機械器具	2.11E-2	0.00E+0	9.52E-3	1.16E-2	7.41E+1
JD231	325101	Household air-conditioners	民生用エアコンディショナ	4.77E-2	0.00E+0	2.36E-2	2.41E-2	6.64E+1
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	5.75E-2	0.00E+0	3.01E-2	2.74E-2	6.23E+1
JD233	331101	Video recording and playback equipment	ビデオ機器	9.37E-2	0.00E+0	5.31E-2	4.06E-2	5.90E+1
JD234	331102	Electric audio equipment	電気音響機器	6.42E-2	0.00E+0	2.60E-2	3.82E-2	8.02E+1
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	1.47E-1	0.00E+0	1.11E-1	3.59E-2	3.27E+1
JD236	332101	Wired communication equipment	有線電気通信機器	4.43E-2	0.00E+0	1.58E-2	2.86E-2	8.79E+1
JD237	332102	Cellular phones	携帯電話機	8.44E-2	0.00E+0	4.69E-2	3.74E-2	6.03E+1
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	7.04E-2	0.00E+0	3.34E-2	3.70E-2	7.31E+1
JD239	332109	Other communication equipment	その他の電気通信機器	4.14E-2	0.00E+0	1.31E-2	2.83E-2	9.27E+1
JD240	333101	Personal Computers	パーソナルコンピュータ	1.10E-1	0.00E+0	5.06E-2	5.95E-2	7.43E+1
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	7.29E-2	0.00E+0	1.64E-2	5.65E-2	1.07E+2
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	9.28E-2	0.00E+0	4.79E-2	4.48E-2	6.62E+1
JD243	341101	Semiconductor devices	半導体素子	1.07E+0	1.05E+0	3.33E-3	1.28E-2	1.63E+0
JD244	341102	Integrated circuits	集積回路	3.89E-2	0.00E+0	1.06E-2	2.83E-2	9.71E+1
JD245	342101	Electron tubes	電子管	7.38E-3	0.00E+0	2.51E-3	4.88E-3	8.29E+1
JD246	342102	Liquid crystal element	液晶素子	5.81E-1	5.07E-1	2.09E-2	5.30E-2	1.25E+1
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	5.11E-3	0.00E+0	2.56E-3	2.55E-3	6.42E+1
JD248	342109	Other electronic components	その他の電子部品	3.29E-2	0.00E+0	6.71E-3	2.62E-2	1.11E+2
JD249	351101	Passenger motor cars	乗用車	2.47E-2	0.00E+0	1.96E-2	5.11E-3	2.59E+1
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	2.42E-2	0.00E+0	1.97E-2	4.55E-3	2.30E+1
JD251	353101	Two-wheel motor vehicles	二輪自動車	2.39E-2	0.00E+0	1.86E-2	5.37E-3	2.91E+1
JD252	354101	Motor vehicle bodies	自動車車体	2.15E-2	0.00E+0	1.86E-2	2.89E-3	1.62E+1
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部分品	4.78E-2	0.00E+0	4.24E-2	5.40E-3	1.42E+1
JD254	354103	Motor vehicle parts and accessories	自動車部品	3.28E-2	0.00E+0	2.91E-2	3.65E-3	1.33E+1
JD255	361101	Steel ships	鋼船	1.27E-2	0.00E+0	8.09E-3	4.64E-3	4.48E+1
JD256	361102	Ships (except steel ships)	その他の船舶	1.39E-2	0.00E+0	8.73E-3	5.17E-3	4.55E+1
JD257	361103	Internal combustion engines for vessels	船用内燃機関	2.92E-2	0.00E+0	2.57E-2	3.53E-3	1.45E+1
JD258	361110	Repair of ships	船舶修理	1.04E-2	0.00E+0	8.22E-3	2.15E-3	2.44E+1
JD259	362101	Rolling stock	鉄道車両	1.43E-2	0.00E+0	1.07E-2	3.61E-3	3.00E+1
JD260	362110	Repair of rolling stock	鉄道車両修理	1.11E-2	0.00E+0	8.25E-3	2.84E-3	3.05E+1
JD261	362201	Aircrafts	航空機	1.49E-2	0.00E+0	1.00E-2	4.86E-3	4.60E+1
JD262	362210	Repair of aircrafts	航空機修理	1.41E-2	0.00E+0	2.30E-3	1.18E-2	1.38E+2
JD263	362901	Bicycles	自転車	1.55E-2	0.00E+0	1.23E-2	3.18E-3	2.56E+1
JD264	362909	Other transport equipment	その他の輸送機械	1.25E-2	0.00E+0	1.02E-2	2.34E-3	2.22E+1
JD265	371101	Camera	カメラ	7.79E-2	0.00E+0	4.45E-2	3.34E-2	6.11E+1
JD266	371109	Other photographic and optical instruments	その他の光学機械	1.74E-2	0.00E+0	1.01E-2	7.25E-3	7.19E+1

Table A8: Embodied global SF<sub>6</sub> intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SF <sub>6</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD267	371201	Watches and clocks	時計	3.48E-2	0.00E+0	2.48E-2	1.00E-2	3.67E+1
JD268	371901	Professional and scientific instruments	理化学機械器具	8.76E-3	0.00E+0	5.70E-3	3.06E-3	4.30E+1
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	5.67E-2	0.00E+0	4.08E-2	1.59E-2	3.71E+1
JD270	371903	Medical instruments	医療用機械器具	5.86E-2	0.00E+0	4.16E-2	1.71E-2	3.79E+1
JD271	391101	Toys and games	がん具	4.92E-2	0.00E+0	3.03E-2	1.89E-2	5.15E+1
JD272	391102	Sporting and athletic goods	運動用品	9.01E-3	0.00E+0	6.88E-3	2.14E-3	2.97E+1
JD273	391901	Musical instruments	楽器	2.00E-2	0.00E+0	1.44E-2	5.60E-3	3.51E+1
JD274	391902	Audio and video records, other information recording media	情報記録物	2.78E-3	0.00E+0	1.22E-3	1.56E-3	7.26E+1
JD275	391903	Stationery	筆記具・文具	3.41E-3	0.00E+0	1.84E-3	1.58E-3	5.99E+1
JD276	391904	Jewelry and adornments	身辺細貨品	3.47E-3	0.00E+0	9.65E-4	2.51E-3	8.56E+1
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	1.36E-3	0.00E+0	4.88E-4	8.67E-4	7.90E+1
JD278	391906	Ordnance	武器	2.42E-2	0.00E+0	2.07E-2	3.57E-3	1.74E+1
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	3.20E-3	0.00E+0	1.50E-3	1.70E-3	6.65E+1
JD280	392101	Reuse and recycling	再生资源回収・加工処理	2.79E-3	0.00E+0	1.11E-3	1.68E-3	9.09E+1
JD281	411101	Residential construction (wooden)	住宅建築(木造)	3.30E-3	0.00E+0	1.61E-3	1.69E-3	6.12E+1
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	3.99E-3	0.00E+0	1.95E-3	2.04E-3	6.07E+1
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	5.36E-3	0.00E+0	3.15E-3	2.21E-3	4.90E+1
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	5.40E-3	0.00E+0	3.03E-3	2.36E-3	5.21E+1
JD285	412101	Repair of construction	建設補修	5.05E-3	0.00E+0	2.97E-3	2.08E-3	4.90E+1
JD286	413101	Public construction of roads	道路関係公共事業	2.95E-3	0.00E+0	1.00E-3	1.95E-3	8.99E+1
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	5.77E-3	0.00E+0	3.39E-3	2.38E-3	4.99E+1
JD288	413103	Agricultural public construction	農林関係公共事業	3.30E-3	0.00E+0	1.35E-3	1.95E-3	7.96E+1
JD289	413201	Railway construction	鉄道軌道建設	3.52E-3	0.00E+0	1.61E-3	1.91E-3	6.53E+1
JD290	413202	Electric power facilities construction	電力施設建設	1.10E-2	0.00E+0	8.05E-3	2.96E-3	3.21E+1
JD291	413203	Telecommunication facilities construction	電気通信施設建設	1.36E-2	0.00E+0	2.51E-3	1.11E-2	1.09E+2
JD292	413209	Other civil engineering and construction	その他の土木建設	4.66E-3	0.00E+0	2.63E-3	2.03E-3	5.30E+1
JD293	5111001	Electricity	事業用電力	3.08E-2	2.36E-2	2.19E-3	5.03E-3	2.34E+1
JD294	511104	On-site power generation	自家発電	5.13E-2	4.45E-2	8.79E-4	5.91E-3	1.78E+1
JD295	512101	Gas supply	都市ガス	7.64E-3	0.00E+0	1.26E-3	6.38E-3	1.62E+2
JD296	512201	Steam and hot water supply	熱供給業	8.35E-3	0.00E+0	4.36E-3	3.99E-3	6.77E+1
JD297	521101	Water supply	上水道・簡易水道	1.87E-3	0.00E+0	1.09E-3	7.78E-4	5.07E+1
JD298	521102	Industrial water supply	工業用水	2.71E-3	0.00E+0	1.63E-3	1.09E-3	4.83E+1
JD299	521103	Sewage disposal **	下水道★★	9.80E-3	0.00E+0	5.13E-3	4.67E-3	6.08E+1
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	4.15E-3	0.00E+0	2.28E-3	1.87E-3	5.88E+1
JD301	521202	Waste management services (private)	廃棄物処理(産業)	2.47E-3	0.00E+0	1.24E-3	1.23E-3	6.44E+1
JD302	611101	Wholesale trade	卸売	1.36E-3	0.00E+0	5.63E-4	7.93E-4	7.67E+1
JD303	611201	Retail trade	小売	2.25E-3	0.00E+0	1.25E-3	1.00E-3	6.11E+1
JD304	621101	Financial service	金融	1.17E-3	0.00E+0	4.21E-4	7.49E-4	9.25E+1
JD305	621201	Life insurance	生命保険	1.07E-3	0.00E+0	4.59E-4	6.11E-4	7.07E+1
JD306	621202	Non-life insurance	損害保険	9.32E-4	0.00E+0	4.68E-4	4.64E-4	6.20E+1
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	1.34E-3	0.00E+0	7.75E-4	5.65E-4	5.23E+1
JD308	641102	Real estate rental service	不動産賃貸業	1.11E-3	0.00E+0	7.00E-4	4.12E-4	4.96E+1
JD309	642101	House rent	住宅賃貸料	7.16E-4	0.00E+0	3.52E-4	3.63E-4	6.21E+1
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	3.38E-4	0.00E+0	1.78E-4	1.60E-4	5.64E+1
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	3.23E-3	0.00E+0	2.26E-3	9.73E-4	3.80E+1
JD312	711201	Railway transport (freight)	鉄道貨物輸送	5.22E-3	0.00E+0	3.50E-3	1.72E-3	4.44E+1
JD313	712101	Bus transport service	バス	3.31E-3	0.00E+0	9.44E-4	2.37E-3	1.09E+2
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	2.95E-3	0.00E+0	6.34E-4	2.32E-3	1.17E+2
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	3.69E-3	0.00E+0	9.04E-4	2.79E-3	1.18E+2
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	1.36E-2	0.00E+0	2.84E-3	1.08E-2	1.26E+2
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	1.23E-2	0.00E+0	2.95E-3	9.39E-3	1.20E+2
JD318	714101	Ocean transport	外洋輸送	1.13E-2	0.00E+0	5.83E-4	1.07E-2	1.56E+2
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	5.62E-3	0.00E+0	1.08E-3	4.54E-3	1.26E+2
JD320	714301	Harbor transport service	港湾運送	1.55E-3	0.00E+0	6.01E-4	9.47E-4	8.36E+1
JD321	715101	Air transport	航空輸送	7.39E-3	0.00E+0	1.20E-3	6.19E-3	9.94E+1
JD322	716101	Consigned freight forwarding	貨物利用運送	2.09E-3	0.00E+0	9.50E-4	1.14E-3	7.21E+1
JD323	717101	Storage facility service	倉庫	2.83E-3	0.00E+0	1.93E-3	9.03E-4	3.97E+1
JD324	718101	Packing service	こん包	1.96E-3	0.00E+0	9.66E-4	9.90E-4	6.40E+1
JD325	718901	Facility service for road transport	道路輸送施設提供	1.72E-3	0.00E+0	1.09E-3	6.26E-4	4.49E+1
JD326	718902	Port and water traffic control **	水運施設管理★★	1.94E-3	0.00E+0	9.08E-4	1.03E-3	6.75E+1
JD327	718903	Services relating to water transport	その他の水運付帯サービス	7.82E-4	0.00E+0	3.54E-4	4.27E-4	6.76E+1
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	3.95E-3	0.00E+0	2.01E-3	1.94E-3	5.92E+1
JD329	718905	Airport and air traffic control	航空施設管理(産業)	3.40E-3	0.00E+0	1.91E-3	1.50E-3	5.36E+1
JD330	718906	Services relating to air transport	その他の航空付帯サービス	1.74E-3	0.00E+0	9.01E-4	8.41E-4	5.86E+1
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	1.25E-3	0.00E+0	5.63E-4	6.87E-4	6.79E+1
JD332	731101	Postal service*	郵便・信書便	1.10E-3	0.00E+0	4.26E-4	6.70E-4	8.65E+1
JD333	731201	Fixed telecommunication	固定電気通信	1.52E-3	0.00E+0	7.10E-4	8.08E-4	7.23E+1
JD334	731202	Mobile telecommunication	移動電気通信	1.18E-3	0.00E+0	5.49E-4	6.34E-4	6.55E+1
JD335	731203	Other telecommunication	その他の電気通信	1.93E-3	0.00E+0	9.72E-4	9.61E-4	6.23E+1
JD336	731909	Other services relating to communication	その他の通信サービス	2.08E-3	0.00E+0	1.08E-3	9.97E-4	5.81E+1
JD337	732101	Public broadcasting	公共放送	2.46E-3	0.00E+0	1.13E-3	1.33E-3	6.58E+1
JD338	732102	Private broadcasting	民間放送	2.28E-3	0.00E+0	6.72E-4	1.61E-3	9.59E+1
JD339	732103	Cable broadcasting	有線放送	1.92E-3	0.00E+0	8.83E-4	1.04E-3	6.60E+1
JD340	733101	Information services	情報サービス	1.44E-3	0.00E+0	6.56E-4	7.80E-4	6.66E+1
JD341	734101	Internet based services	インターネット附随サービス	1.82E-3	0.00E+0	8.99E-4	9.25E-4	6.29E+1
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	4.56E-3	0.00E+0	8.10E-4	3.75E-3	1.32E+2
JD343	735102	Newspaper	新聞	2.41E-3	0.00E+0	1.24E-3	1.17E-3	5.94E+1
JD344	735103	Publication	出版	2.04E-3	0.00E+0	1.03E-3	1.00E-3	6.17E+1
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	1.46E-3	0.00E+0	5.62E-4	8.98E-4	7.59E+1
JD346	811101	Public administration (central) **	公務(中央)★★	4.97E-3	0.00E+0	2.03E-3	2.95E-3	7.55E+1
JD347	811201	Public administration (local) **	公務(地方)★★	1.41E-3	0.00E+0	6.88E-4	7.26E-4	6.84E+1
JD348	821101	School education (public) **	学校教育(国公立)★★	7.62E-4	0.00E+0	4.26E-4	3.36E-4	5.70E+1
JD349	821102	School education (private) *	学校教育(私立)★	1.53E-3	0.00E+0	7.13E-4	8.13E-4	6.65E+1
JD350	821301	Social education (public) **	社会教育(国公立)★★	1.94E-3	0.00E+0	1.11E-3	8.33E-4	5.50E+1
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	3.09E-3	0.00E+0	1.74E-3	1.35E-3	5.68E+1
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★★	3.62E-3	0.00E+0	1.40E-3	2.23E-3	8.69E+1

Table A8: Embodied global SF<sub>6</sub> intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SF <sub>6</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	tCO <sub>2</sub> eq/M-JPY	%
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	2.55E-3	0.00E+0	8.45E-4	1.71E-3	9.33E+1
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	3.53E-3	0.00E+0	1.88E-3	1.65E-3	6.01E+1
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	2.76E-3	0.00E+0	8.79E-4	1.88E-3	9.28E+1
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	3.22E-3	0.00E+0	1.12E-3	2.10E-3	8.18E+1
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	1.70E-3	0.00E+0	6.76E-4	1.03E-3	7.59E+1
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	5.96E-3	0.00E+0	2.54E-3	3.42E-3	7.66E+1
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	1.49E-3	0.00E+0	6.09E-4	8.78E-4	7.44E+1
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	2.97E-3	0.00E+0	1.51E-3	1.45E-3	6.15E+1
JD361	831101	Medical service (public)	医療(国公立)	1.45E-2	0.00E+0	1.46E-3	1.30E-2	1.20E+2
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	8.14E-3	0.00E+0	1.15E-3	6.98E-3	1.13E+2
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	1.21E-2	0.00E+0	1.27E-3	1.08E-2	1.20E+2
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	1.59E-3	0.00E+0	7.92E-4	8.01E-4	6.44E+1
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	2.73E-3	0.00E+0	1.49E-3	1.24E-3	5.54E+1
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	1.97E-3	0.00E+0	1.16E-3	8.15E-4	5.13E+1
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	2.15E-3	0.00E+0	1.29E-3	8.54E-4	4.97E+1
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	1.67E-3	0.00E+0	9.43E-4	7.29E-4	5.48E+1
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	1.57E-3	0.00E+0	8.82E-4	6.87E-4	5.50E+1
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	1.67E-3	0.00E+0	9.09E-4	7.63E-4	5.87E+1
JD371	831401	Nursing care (In-home)	介護(居宅)	2.77E-3	0.00E+0	8.13E-4	1.96E-3	8.72E+1
JD372	831402	Nursing care (In-facility)	介護(施設)	3.53E-3	0.00E+0	9.02E-4	2.62E-3	9.29E+1
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	2.10E-3	0.00E+0	9.69E-4	1.13E-3	6.94E+1
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	1.50E-3	0.00E+0	6.93E-4	8.03E-4	6.76E+1
JD375	851101	Advertising services	広告	1.96E-3	0.00E+0	7.40E-4	1.22E-3	8.11E+1
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	4.33E-3	0.00E+0	1.87E-3	2.46E-3	7.15E+1
JD377	851301	Car rental and leasing	貸自動車業	1.47E-3	0.00E+0	7.66E-4	7.09E-4	6.42E+1
JD378	851410	Repair of motor vehicles	自動車修理	1.08E-2	0.00E+0	8.59E-3	2.24E-3	2.48E+1
JD379	851510	Repair of machine	機械修理	3.17E-2	0.00E+0	1.42E-2	1.75E-2	7.22E+1
JD380	851901	Building maintenance services	建物サービス	9.85E-4	0.00E+0	3.79E-4	6.06E-4	7.72E+1
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	7.85E-4	0.00E+0	3.04E-4	4.81E-4	7.73E+1
JD382	851903	Civil engineering and construction services	土木建築サービス	1.19E-3	0.00E+0	5.02E-4	6.87E-4	7.31E+1
JD383	851904	Worker dispatching services	労働者派遣サービス	1.80E-4	0.00E+0	7.74E-5	1.02E-4	7.02E+1
JD384	851909	Other business services	その他の対事業所サービス	1.12E-3	0.00E+0	4.99E-4	6.20E-4	6.69E+1
JD385	861101	Movie theaters	映画館	4.41E-3	0.00E+0	1.59E-3	2.82E-3	9.38E+1
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	1.47E-3	0.00E+0	5.48E-4	9.20E-4	8.24E+1
JD387	861103	Amusement and recreation facilities	遊戯場	3.45E-3	0.00E+0	1.89E-3	1.56E-3	5.69E+1
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	1.76E-3	0.00E+0	8.25E-4	9.35E-4	6.78E+1
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	1.94E-3	0.00E+0	8.44E-4	1.09E-3	7.14E+1
JD390	861109	Other amusement and recreation services	その他の娯楽	2.31E-3	0.00E+0	1.04E-3	1.27E-3	7.26E+1
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	2.50E-3	0.00E+0	1.28E-3	1.22E-3	5.85E+1
JD392	861202	Coffee shops	喫茶店	2.89E-3	0.00E+0	1.73E-3	1.16E-3	5.05E+1
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	2.04E-3	0.00E+0	1.05E-3	9.88E-4	6.08E+1
JD394	861301	Hotels	宿泊業	2.92E-3	0.00E+0	1.77E-3	1.16E-3	5.16E+1
JD395	861401	Cleaning	洗濯業	2.08E-3	0.00E+0	8.79E-4	1.20E-3	7.75E+1
JD396	861402	Barber shops	理容業	1.64E-3	0.00E+0	9.15E-4	7.23E-4	6.07E+1
JD397	861403	Beauty shops	美容業	2.29E-3	0.00E+0	1.61E-3	6.84E-4	3.81E+1
JD398	861404	Public baths	浴場業	3.57E-3	0.00E+0	1.63E-3	1.94E-3	7.96E+1
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	2.80E-3	0.00E+0	1.79E-3	1.01E-3	4.65E+1
JD400	861901	Photographic studios	写真業	1.70E-3	0.00E+0	6.78E-4	1.02E-3	7.67E+1
JD401	861902	Ceremonial occasions	冠婚葬祭業	2.58E-3	0.00E+0	1.29E-3	1.30E-3	7.08E+1
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	4.78E-3	0.00E+0	3.56E-3	1.22E-3	3.35E+1
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	1.64E-3	0.00E+0	1.02E-3	6.23E-4	5.01E+1
JD404	861909	Other personal services	その他の対個人サービス	1.43E-3	0.00E+0	6.50E-4	7.84E-4	7.39E+1
JD405	890000	Office supplies	事務用品	9.57E-3	0.00E+0	3.93E-3	5.63E-3	7.44E+1
JD406	900000	Activities not elsewhere classified	分類不明	5.87E-3	0.00E+0	3.16E-3	2.70E-3	5.61E+1

Table A9: Embodied global NOx intensities of Japanese goods and services based on producer price in 2005 [1/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global NO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD1	011101	Rice	米	5.69E+0	1.57E+0	1.98E+0	2.14E+0	3.52E+0
JD2	011102	Wheat, barley and the like	麦類	7.01E+0	1.12E+0	2.75E+0	3.14E+0	4.13E+0
JD3	011201	Potatoes and sweet potatoes	いも類	4.47E+0	2.88E-1	1.97E+0	2.22E+0	4.65E+0
JD4	011202	Pulses	豆類	4.67E+0	2.57E-1	2.12E+0	2.30E+0	4.66E+0
JD5	011301	Vegetables	野菜	5.44E+0	1.21E+0	1.93E+0	2.30E+0	4.40E+0
JD6	011401	Fruits	果実	4.79E+0	1.04E+0	1.71E+0	2.03E+0	4.10E+0
JD7	011501	Sugar crops	砂糖原料作物	6.42E+0	8.57E-1	2.42E+0	3.15E+0	4.55E+0
JD8	011502	Crops for beverages	飲料用作物	5.86E+0	1.59E-2	2.82E+0	3.03E+0	4.75E+0
JD9	011509	Other edible crops	その他の食用耕種作物	5.12E+0	4.94E-1	2.14E+0	2.48E+0	4.50E+0
JD10	011601	Crops for feed and forage	飼料作物	5.58E+0	3.99E-1	1.59E+0	3.59E+0	7.71E+0
JD11	011602	Seeds and seedlings	種苗	7.38E+0	1.39E-1	1.44E+0	5.80E+0	2.04E+1
JD12	011603	Flowers and plants	花き・花木類	1.55E+1	9.92E+0	2.44E+0	3.19E+0	2.71E+0
JD13	011609	Other inedible crops	その他の非食用耕種作物	4.17E+0	1.56E+0	1.20E+0	1.42E+0	3.22E+0
JD14	012101	Dairy cattle farming	酪農	9.11E+0	1.05E+0	1.79E+0	6.28E+0	1.12E+1
JD15	012102	Hen eggs	鶏卵	1.16E+1	1.88E-1	2.42E+0	9.04E+0	1.22E+1
JD16	012103	Fowls and broilers	肉鶏	1.33E+1	4.57E-1	2.98E+0	9.85E+0	1.15E+1
JD17	012104	Hogs	豚	1.14E+1	3.16E-1	2.59E+0	8.52E+0	1.17E+1
JD18	012105	Beef cattle	肉用牛	1.05E+1	4.86E-2	2.68E+0	7.74E+0	1.17E+1
JD19	012109	Other livestock	その他の畜産	9.70E+0	4.41E-1	2.04E+0	7.22E+0	1.04E+1
JD20	013101	Veterinary service	獣医学	2.62E+0	0.00E+0	9.73E-1	1.64E+0	7.67E+0
JD21	013102	Agricultural services (except veterinary service)	農業サービス(除獣医学)	5.02E+0	4.63E-1	2.38E+0	2.18E+0	4.50E+0
JD22	021101	Silviculture	育林	7.51E-1	1.85E-1	2.37E-1	3.29E-1	5.24E+0
JD23	021201	Logs	素材	3.55E+0	1.24E+0	1.06E+0	1.24E+0	4.35E+0
JD24	021301	Special forest products (inc. hunting)	特用林産物(含狩猟業)	1.76E+1	1.18E+1	3.00E+0	2.83E+0	1.88E+0
JD25	031101	Marine fisheries	海面漁業	9.58E+1	9.05E+1	2.39E+0	2.93E+0	4.49E-1
JD26	031104	Marine culture	海面養殖業	3.59E+1	2.02E+1	1.15E+1	4.20E+0	1.07E+0
JD27	0312001	Inland water fisheries and culture	内水面漁業・養殖業	3.13E+1	2.18E+1	5.05E+0	4.53E+0	1.59E+0
JD28	061101	Metallic ores	金属鉱物	1.14E+1	1.21E+0	7.85E+0	2.39E+0	2.45E+0
JD29	062101	Materials for ceramics	窯業原料鉱物	1.12E+1	4.07E+0	4.36E+0	2.80E+0	3.49E+0
JD30	062201	Gravel and quarrying	砂利・採石	8.58E+0	1.34E+0	4.35E+0	2.89E+0	5.09E+0
JD31	062202	Crushed stones	砕石	8.29E+0	1.18E+0	4.22E+0	2.89E+0	4.86E+0
JD32	062909	Other non-metallic ores	その他の非金属鉱物	2.80E+1	1.94E+1	4.86E+0	3.76E+0	1.87E+0
JD33	071101	Coal mining, crude petroleum and natural gas	石炭・原油・天然ガス	6.73E+0	1.81E-1	5.04E+0	1.51E+0	2.49E+0
JD34	0711011	Coal mining	石炭	6.73E+0	0.00E+0	5.22E+0	1.51E+0	2.49E+0
JD35	0711012	Crude petroleum	原油	6.73E+0	0.00E+0	5.22E+0	1.51E+0	2.49E+0
JD36	0711013	Natural gas	天然ガス	6.73E+0	0.00E+0	5.22E+0	1.51E+0	2.49E+0
JD37	111101	Slaughtering and meat processing	と畜(含肉鶏処理)	9.93E+0	5.71E-4	2.67E+0	7.26E+0	1.13E+1
JD38	111201	Processed meat products	肉加工品	1.27E+1	2.91E-1	1.37E+0	1.11E+1	1.18E+1
JD39	111202	Bottled or canned meat products	畜産びん・かん詰	6.90E+0	5.14E-1	1.86E+0	4.53E+0	7.22E+0
JD40	111203	Dairy farm products	酪農品	7.96E+0	7.12E-1	2.81E+0	4.44E+0	7.11E+0
JD41	111301	Frozen fish and shellfish	冷凍魚介類	4.56E+1	3.54E-1	4.27E+1	2.58E+0	6.15E-1
JD42	111302	Salted, dried or smoked seafood	塩・干・くん製品	2.81E+1	5.61E-1	1.93E+1	8.25E+0	2.82E+0
JD43	111303	Bottled or canned seafood	水産びん・かん詰	1.94E+1	1.10E+0	1.33E+1	5.02E+0	2.31E+0
JD44	111304	Fish paste	ねり製品	1.42E+1	4.58E-1	6.70E+0	7.01E+0	4.56E+0
JD45	111309	Other processed seafood	その他の水産食品	1.87E+1	2.69E-1	1.34E+1	5.12E+0	2.50E+0
JD46	111401	Grain milling	精穀	5.18E+0	7.85E-2	3.15E+0	1.95E+0	3.84E+0
JD47	111402	Flour and other grain milled products	製粉	1.56E+1	8.86E-1	2.21E+0	1.25E+1	1.63E+1
JD48	111501	Noodles	めん類	8.89E+0	9.58E-1	2.39E+0	5.55E+0	8.10E+0
JD49	111502	Bread	パン類	6.84E+0	1.57E-1	1.98E+0	4.71E+0	8.64E+0
JD50	111503	Confectionery	菓子類	7.45E+0	4.76E-1	2.00E+0	4.97E+0	7.19E+0
JD51	111601	Bottled or canned vegetables and fruits	農産びん・かん詰	9.48E+0	8.56E-1	2.73E+0	5.89E+0	5.69E+0
JD52	111602	Preserved agricultural foodstuffs (other than bottled or canned)	農産保存食料品(除びん・かん詰)	6.80E+0	2.95E-1	2.07E+0	4.43E+0	6.26E+0
JD53	111701	Sugar	砂糖	1.32E+1	2.11E+0	3.26E+0	7.84E+0	1.10E+1
JD54	111702	Starch	でん粉	1.78E+1	1.56E+0	2.10E+0	1.41E+1	1.66E+1
JD55	111703	Dextrose, syrup and isomerized sugar	ぶどう糖・水あめ・異性化糖	1.59E+1	1.84E+0	5.37E+0	8.74E+0	9.39E+0
JD56	111704	Vegetable oils and meal	植物油脂	2.07E+1	6.49E-1	1.90E+0	1.82E+1	1.59E+1
JD57	111705	Animal oils and fats	動物油脂	1.39E+1	2.90E+0	5.39E+0	5.58E+0	5.12E+0
JD58	111706	Condiments and seasonings	調味料	7.97E+0	4.69E-1	2.54E+0	4.96E+0	6.47E+0
JD59	111901	Prepared frozen foods	冷凍調理食品	9.57E+0	6.85E-1	2.86E+0	6.03E+0	5.97E+0
JD60	111902	Retort foods	レトルト食品	9.57E+0	9.30E-1	2.34E+0	6.30E+0	5.96E+0
JD61	111903	Dishes, sushi and lunch boxes	そう菜・すし・弁当	8.63E+0	2.79E-1	2.91E+0	5.44E+0	5.93E+0
JD62	111904	School lunch (public) **	学校給食(国公立)★★	5.69E+0	3.54E-2	2.49E+0	3.17E+0	5.74E+0
JD63	111905	School lunch (private) *	学校給食(私立)★	6.07E+0	0.00E+0	2.63E+0	3.45E+0	5.80E+0
JD64	111909	Other foods	その他の食料品	1.03E+1	1.04E+0	2.39E+0	6.85E+0	8.48E+0
JD65	112101	Refined sake	清酒	3.63E+0	2.27E-1	2.04E+0	1.36E+0	3.91E+0
JD66	112102	Beer	ビール	2.92E+0	1.33E-1	1.22E+0	1.56E+0	4.98E+0
JD67	112103	Whiskey and brandy	ウイスキー類	3.53E+0	4.28E-1	1.47E+0	1.62E+0	5.06E+0
JD68	112109	Other liquors	その他の酒類	4.36E+0	4.92E-1	1.61E+0	2.26E+0	5.33E+0
JD69	112901	Tea and roasted coffee	茶・コーヒー	1.14E+1	4.37E-1	2.06E+0	8.90E+0	4.49E+0
JD70	112902	Soft drinks	清涼飲料	6.02E+0	3.92E-1	1.99E+0	3.63E+0	4.92E+0
JD71	112903	Manufactured ice	製氷	6.78E+0	2.01E-2	5.13E+0	1.63E+0	2.37E+0
JD72	113101	Animal feed	飼料	1.84E+1	4.48E-1	1.77E+0	1.62E+1	1.45E+1
JD73	113102	Organic fertilizers, n.e.c.	有機質肥料(除別掲)	9.70E+0	4.54E-1	2.22E+0	7.03E+0	8.71E+0
JD74	114101	Tobacco	たばこ	2.33E+0	7.07E-2	5.96E-1	1.67E+0	1.38E+1
JD75	151101	Fiber yarns	紡績糸	2.34E+1	6.42E-1	3.50E+0	1.92E+1	1.50E+1
JD76	151201	Cotton and staple fiber fabrics (inc. fabrics of synthetic spun fibers)	綿・スフ織物(含合繊短繊維織物)	1.93E+1	8.05E-1	4.82E+0	1.37E+1	5.77E+0
JD77	151202	Silk and artificial silk fabrics (inc. fabrics of synthetic filament fibers)	絹・人絹織物(含合繊長繊維織物)	1.33E+1	1.05E+0	5.99E+0	6.21E+0	4.39E+0
JD78	151203	Woolen fabrics, hemp fabrics and other fabrics	毛織物・麻織物・その他の織物	1.48E+1	1.17E-1	5.13E+0	9.52E+0	5.64E+0
JD79	151301	Knitting fabrics	ニット生地	1.48E+1	7.97E-2	3.50E+0	1.13E+1	7.29E+0
JD80	151401	Yarn and fabric dyeing and finishing (processing on commission only)	染色整理	1.46E+1	4.59E+0	3.60E+0	6.40E+0	3.92E+0
JD81	151901	Ropes and nets	綱・網	1.04E+1	3.60E-1	5.42E+0	4.59E+0	4.74E+0
JD82	151902	Carpets and floor mats	じゅうたん・床敷物	1.30E+1	5.40E-1	4.98E+0	7.45E+0	5.43E+0
JD83	151903	Fabricated textiles for medical use	繊維製衛生材料	1.23E+1	5.98E-1	4.04E+0	7.61E+0	1.16E+1
JD84	151909	Other fabricated textile products	その他の繊維工業製品	1.10E+1	5.32E-1	4.33E+0	6.15E+0	5.56E+0
JD85	152101	Woven fabric apparel	織物製衣服	1.01E+1	2.70E-1	2.49E+0	7.37E+0	6.74E+0
JD86	152102	Knitted apparel	ニット製衣服	9.85E+0	3.96E-1	3.98E+0	5.47E+0	5.52E+0
JD87	152209	Other wearing apparel and clothing accessories	その他の衣服・身の回り品	1.04E+1	8.82E-1	3.18E+0	6.29E+0	5.14E+0
JD88	152901	Bedding	寝具	9.21E+0	1.19E-1	2.04E+0	7.05E+0	6.87E+0
JD89	152909	Other ready-made textile products	その他の繊維既製品	9.83E+0	2.56E-1	2.82E+0	6.76E+0	6.17E+0
JD90	161101	Timber	製材	9.68E+0	4.74E-1	1.48E+0	7.72E+0	7.38E+0
JD91	161102	Plywood	合板	1.03E+1	6.01E-1	2.48E+0	7.19E+0	6.68E+0
JD92	161103	Wooden chips	木材チップ	4.74E+0	2.83E-1	2.24E+0	2.21E+0	4.37E+0
JD93	161909	Other wooden products	その他の木製品	6.34E+0	2.10E-1	2.04E+0	4.09E+0	6.43E+0

Table A9: Embodied global NOx intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global NO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	8.46E+0	4.65E-1	2.33E+0	5.67E+0	6.18E+0
JD95	171102	Wooden fixtures	木製建具	7.28E+0	4.13E-1	2.91E+0	3.96E+0	5.21E+0
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	8.75E+0	4.28E-1	3.83E+0	4.50E+0	4.62E+0
JD97	181101	Pulp	パルプ	4.62E+1	2.42E+1	8.63E+0	1.33E+1	3.92E+0
JD98	181201	Paper	洋紙・和紙	4.19E+1	1.95E+1	1.60E+1	6.42E+0	1.62E+0
JD99	181202	Paperboard	板紙	3.04E+1	7.88E+0	1.62E+1	6.28E+0	2.23E+0
JD100	181301	Corrugated cardboard	段ボール	1.65E+1	2.34E-1	1.23E+1	3.93E+0	2.56E+0
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	1.32E+1	7.36E-1	9.12E+0	3.32E+0	2.49E+0
JD102	182101	Corrugated card board boxes	段ボール箱	7.67E+0	3.27E-1	5.35E+0	1.99E+0	2.87E+0
JD103	182109	Other paper containers	その他の紙製容器	1.10E+1	2.91E-1	4.36E+0	4.36E+0	5.21E+0
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	1.09E+1	6.62E-1	6.32E+0	3.88E+0	3.37E+0
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	1.06E+1	7.11E-1	7.03E+0	2.83E+0	2.56E+0
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	7.26E+0	5.43E-2	4.87E+0	2.33E+0	3.02E+0
JD107	201101	Chemical fertilizer	化学肥料	2.33E+1	7.31E+0	3.88E+0	1.22E+1	4.64E+0
JD108	202101	Industrial soda chemicals	ソーダ工業製品	2.89E+1	3.24E+0	1.87E+1	6.96E+0	4.54E+0
JD109	202901	Inorganic pigment	無機顔料	1.75E+1	1.62E+0	6.65E+0	9.26E+0	4.49E+0
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	1.55E+1	4.06E-1	1.13E+1	3.70E+0	2.26E+0
JD111	202903	Salt	塩	2.78E+1	1.81E+1	3.73E+0	5.99E+0	4.63E+0
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	2.02E+1	3.89E+0	5.77E+0	1.05E+1	4.47E+0
JD113	203101	Petrochemical basic products	石油化学基礎製品	1.89E+1	1.28E+0	3.30E+0	1.43E+1	1.40E+1
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	1.71E+1	2.20E+0	2.78E+0	1.22E+1	1.30E+1
JD115	203201	Aliphatic intermediates	脂肪族中間物	2.14E+1	3.66E+0	7.77E+0	1.00E+1	6.37E+0
JD116	203202	Cyclic intermediates	環式中間物	1.76E+1	2.56E+0	4.41E+0	1.06E+1	7.74E+0
JD117	203301	Synthetic rubber	合成ゴム	2.36E+1	9.63E+0	7.50E+0	6.48E+0	4.07E+0
JD118	203901	Methane derivatives	メタン誘導品	2.30E+1	9.56E+0	6.08E+0	7.41E+0	2.78E+0
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	1.34E+1	2.35E+0	2.77E+0	8.30E+0	6.98E+0
JD120	203903	Plasticizers	可塑剤	1.68E+1	2.72E+0	4.92E+0	9.19E+0	5.18E+0
JD121	203904	Synthetic dyes	合成染料	2.16E+1	8.00E+0	5.80E+0	7.82E+0	3.84E+0
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	1.42E+1	1.26E+0	6.31E+0	6.69E+0	4.50E+0
JD123	204101	Thermo-setting resins	熱硬化性樹脂	1.37E+1	7.78E-1	4.85E+0	8.05E+0	5.99E+0
JD124	204102	Thermoplastics resins	熱可塑性樹脂	1.50E+1	1.01E+0	4.89E+0	9.10E+0	9.15E+0
JD125	204103	High function resins	高機能性樹脂	1.35E+1	5.31E-1	5.32E+0	7.65E+0	6.05E+0
JD126	204109	Other resins	その他の合成樹脂	1.35E+1	6.05E-1	5.10E+0	7.76E+0	6.19E+0
JD127	205101	Rayon and acetate	レーヨン・アセテート	1.77E+1	5.47E+0	5.95E+0	6.23E+0	3.56E+0
JD128	205102	Synthetic fibers	合成繊維	1.98E+1	7.16E+0	6.70E+0	5.96E+0	3.26E+0
JD129	206101	Medicaments	医薬品	5.35E+0	2.67E-1	2.20E+0	2.89E+0	5.54E+0
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	1.24E+1	3.03E+0	3.45E+0	5.92E+0	4.65E+0
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	6.88E+0	1.37E-1	3.45E+0	3.29E+0	4.83E+0
JD132	207201	Paint and varnishes	塗料	1.18E+1	5.20E-1	3.85E+0	7.43E+0	6.15E+0
JD133	207202	Printing ink	印刷インキ	1.07E+1	1.11E-1	3.60E+0	6.98E+0	6.68E+0
JD134	207301	Photographic sensitive materials	写真感光材料	1.32E+1	1.95E+0	4.65E+0	6.62E+0	4.46E+0
JD135	207401	Agricultural chemicals	農薬	1.35E+1	3.71E+0	4.63E+0	5.15E+0	3.57E+0
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	1.09E+1	1.67E+0	3.43E+0	5.80E+0	5.28E+0
JD137	207909	Other final chemical products	その他の化学最終製品	1.40E+1	2.33E+0	4.46E+0	7.22E+0	4.76E+0
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	1.91E+1	2.87E+0	1.10E+0	1.51E+1	1.76E+1
JD139	212101	Coal products	石炭製品	2.10E+1	5.63E+0	1.46E+0	1.39E+1	8.00E+0
JD140	212102	Paving materials	舗装材料	8.02E+0	1.52E-1	2.97E+0	4.90E+0	1.08E+1
JD141	221101	Plastic products	プラスチック製品	9.42E+0	1.30E-1	3.14E+0	6.15E+0	6.56E+0
JD142	231101	Tires and inner tubes	タイヤ・チューブ	1.89E+1	3.81E-1	5.18E+0	1.33E+1	1.32E+1
JD143	231901	Rubber footwear	ゴム製履物	8.45E+0	1.16E+0	2.17E+0	5.12E+0	1.01E+1
JD144	231902	Plastic footwear	プラスチック製履物	8.67E+0	1.15E+0	2.55E+0	4.97E+0	5.63E+0
JD145	231909	Other rubber products	その他のゴム製品	9.38E+0	2.83E-1	3.43E+0	5.66E+0	7.73E+0
JD146	241101	Leather footwear	革製履物	9.29E+0	3.34E-1	1.43E+0	7.53E+0	6.84E+0
JD147	241201	Leather and fur skins	皮革・毛皮	1.25E+1	8.75E-1	1.47E+0	1.01E+1	9.84E+0
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	7.14E+0	1.40E-1	1.84E+0	5.17E+0	5.93E+0
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	2.18E+1	1.43E+1	3.45E+0	4.08E+0	1.76E+0
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	1.39E+1	4.54E+0	1.14E+0	3.19E+0	2.44E+0
JD151	251909	Other glass products	その他のガラス製品	1.08E+1	4.45E+0	2.88E+0	3.51E+0	2.97E+0
JD152	252101	Cement	セメント	1.49E+2	1.32E+2	1.23E+1	4.64E+0	2.99E-1
JD153	252201	Ready mixed concrete	生コンクリート	3.14E+1	4.41E-1	2.83E+1	2.69E+0	9.20E-1
JD154	252301	Cement products	セメント製品	1.38E+1	2.41E+0	9.03E+0	2.41E+0	1.75E+0
JD155	253101	Pottery, china and earthenware	陶磁器	1.60E+1	8.89E+0	2.98E+0	4.17E+0	2.37E+0
JD156	259901	Clay refractories	耐火物	1.95E+1	4.91E+0	5.34E+0	9.24E+0	4.29E+0
JD157	259902	Other structural clay products	その他の建設用土石製品	4.86E+1	3.99E+1	4.48E+0	4.26E+0	8.72E-1
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	1.53E+1	6.39E+0	4.45E+0	4.47E+0	2.67E+0
JD159	259904	Abrasive	研磨材	1.38E+1	3.29E+0	2.37E+0	8.13E+0	5.31E+0
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	1.08E+1	3.43E+0	3.35E+0	4.07E+0	3.41E+0
JD161	261101	Pig iron	鉄鉄	6.24E+1	4.06E+1	4.67E+0	1.72E+1	2.71E+0
JD162	261102	Ferro alloys	フェロアロイ	3.75E+1	1.85E+1	4.88E+0	1.41E+1	3.82E+0
JD163	261103	Crude steel (converters)	粗鋼(転炉)	4.36E+1	2.03E+0	2.68E+1	1.48E+1	3.19E+0
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	2.99E+1	9.43E-1	7.77E+0	2.12E+1	1.01E+1
JD165	261201	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	2.88E+1	1.02E+0	1.63E+1	1.15E+1	4.05E+0
JD167	262201	Steel pipes and tubes	鋼管	2.06E+1	7.84E-1	1.05E+1	9.33E+0	4.70E+0
JD168	262301	Cold-finished steel	冷間仕上鋼材	2.32E+1	1.18E+0	1.24E+1	9.64E+0	4.13E+0
JD169	262302	Coated steel	めっき鋼材	1.81E+1	6.50E-1	1.01E+1	7.34E+0	3.94E+0
JD170	263101	Cast and forged steel	鑄鍛鋼	1.62E+1	1.12E+0	7.03E+0	8.06E+0	5.75E+0
JD171	263102	Cast iron pipes and tubes	鑄鉄管	1.48E+1	6.05E+0	6.02E+0	2.70E+0	1.77E+0
JD172	263103	Cast and forged materials (iron)	鑄鉄品及び鍛工品(鉄)	1.69E+1	2.39E+0	1.01E+1	4.42E+0	2.26E+0
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	1.65E+1	1.84E-1	9.79E+0	6.57E+0	3.92E+0
JD174	264909	Other iron or steel products	その他の鉄鋼製品	1.24E+1	1.57E+0	6.63E+0	4.16E+0	3.19E+0
JD175	271101	Copper	銅	2.83E+1	1.30E+0	1.91E+0	2.51E+1	1.07E+1
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	2.02E+1	1.48E+0	4.96E+0	1.37E+1	7.44E+0
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	2.15E+1	5.66E+0	3.54E+0	1.23E+1	6.09E+0
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	2.36E+1	5.11E-1	2.47E+0	2.06E+1	1.04E+1
JD179	271201	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	1.66E+1	1.61E-1	2.69E+0	1.38E+1	7.38E+0
JD181	272102	Optical fiber cables	光ファイバケーブル	1.37E+1	1.94E-1	4.17E+0	9.33E+0	5.95E+0
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	2.00E+1	4.19E-1	2.82E+0	1.68E+1	9.23E+0
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	3.14E+1	1.17E+0	1.80E+0	2.84E+1	8.40E+0
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属成形材	1.90E+1	7.26E-1	3.68E+0	1.46E+1	7.57E+0
JD185	272204	Nuclear fuels	核燃料	1.35E+1	0.00E+0	9.81E-1	1.25E+1	1.35E+1

Table A9: Embodied global NOx intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global NO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	3.55E+1	2.85E-1	1.97E+0	3.33E+1	1.30E+1
JD187	281101	Metal products for construction	建設用金属製品	1.11E+1	2.53E-1	5.69E+0	5.18E+0	4.32E+0
JD188	281201	Metal products for architecture	建築用金属製品	1.13E+1	3.92E-1	3.21E+0	7.74E+0	6.80E+0
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	1.06E+1	1.79E-1	4.39E+0	5.99E+0	5.30E+0
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	9.97E+0	3.15E-1	4.15E+0	5.50E+0	6.94E+0
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	8.57E+0	2.76E-1	4.06E+0	4.24E+0	5.25E+0
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末や金製品・道具類	1.02E+1	3.61E-1	2.90E+0	6.91E+0	6.87E+0
JD193	289909	Other metal products	その他の金属製品	9.33E+0	5.10E-1	3.42E+0	5.40E+0	5.66E+0
JD194	301101	Boilers	ボイラ	5.40E+0	4.39E-1	2.18E+0	2.79E+0	4.92E+0
JD195	301102	Turbines	タービン	6.67E+0	2.90E-1	2.65E+0	3.72E+0	5.54E+0
JD196	301103	Engines	原動機	8.06E+0	1.85E-1	3.29E+0	4.59E+0	5.20E+0
JD197	301201	Conveyors	運搬機械	8.79E+0	6.99E-2	2.72E+0	6.00E+0	6.38E+0
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	8.41E+0	9.67E-2	2.26E+0	6.06E+0	6.49E+0
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	8.16E+0	1.15E-1	3.09E+0	4.96E+0	5.41E+0
JD200	301902	Machinists' precision tools	機械工具	7.25E+0	8.27E-2	2.76E+0	4.41E+0	5.82E+0
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	7.13E+0	1.76E-1	3.15E+0	3.80E+0	4.82E+0
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	7.32E+0	1.11E-1	2.99E+0	4.22E+0	5.27E+0
JD203	302201	Chemical machinery	化学機械	5.44E+0	6.36E-2	2.36E+0	3.02E+0	5.10E+0
JD204	302301	Industrial robots	産業用ロボット	6.45E+0	0.00E+0	2.53E+0	3.92E+0	5.82E+0
JD205	302401	Metal machine tools	金属工作機械	5.66E+0	3.46E-2	2.50E+0	3.12E+0	5.24E+0
JD206	302402	Metal processing machinery	金属加工機械	6.12E+0	3.18E-2	3.07E+0	3.02E+0	4.67E+0
JD207	302901	Machinery for agricultural use	農業用機械	6.26E+0	1.85E-1	2.90E+0	3.18E+0	4.60E+0
JD208	302902	Textile machinery	繊維機械	7.43E+0	1.88E-1	2.63E+0	4.61E+0	5.66E+0
JD209	302903	Food processing machinery and equipment	食品機械・同装置	7.44E+0	2.28E-1	3.29E+0	3.92E+0	4.92E+0
JD210	302904	Semiconductor making equipment	半導体製造装置	5.38E+0	7.85E-2	2.26E+0	3.04E+0	5.88E+0
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	6.97E+0	2.32E-1	2.88E+0	3.85E+0	4.94E+0
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	6.67E+0	1.06E-1	2.49E+0	4.07E+0	5.72E+0
JD213	303101	Metal molds	金型	6.01E+0	1.88E-1	3.06E+0	2.77E+0	4.22E+0
JD214	303102	Bearings	ベアリング	9.23E+0	4.12E-1	4.79E+0	4.03E+0	3.90E+0
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	7.79E+0	2.57E-1	2.90E+0	4.63E+0	5.33E+0
JD216	311101	Copy machine	複写機	8.47E+0	1.12E-1	2.43E+0	5.93E+0	7.81E+0
JD217	311109	Other office machines	その他の事務用機械	7.23E+0	5.69E-2	2.05E+0	5.12E+0	7.85E+0
JD218	311201	Machinery for service industry	サービス用機器	7.07E+0	5.27E-2	2.33E+0	4.68E+0	6.78E+0
JD219	321101	Rotating electrical equipment	回転電気機械	1.06E+1	7.41E-2	3.25E+0	7.27E+0	6.10E+0
JD220	321102	Transformers and reactors	変圧器・変成器	1.14E+1	2.91E-2	2.96E+0	8.37E+0	6.74E+0
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	7.86E+0	4.36E-2	2.39E+0	5.43E+0	6.28E+0
JD222	321104	Wiring devices and supplies	配線器具	9.16E+0	3.73E-2	2.05E+0	7.07E+0	6.78E+0
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	6.99E+0	7.74E-2	2.49E+0	4.41E+0	5.55E+0
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	8.49E+0	2.08E-2	2.55E+0	5.92E+0	6.14E+0
JD225	322101	Applied electronic equipment	電子応用装置	7.03E+0	1.21E-2	1.62E+0	5.40E+0	9.38E+0
JD226	323101	Electric measuring instruments	電気計測器	6.10E+0	5.54E-3	1.51E+0	4.58E+0	8.92E+0
JD227	324101	Electric bulbs	電球類	5.59E+0	2.18E-2	2.42E+0	3.15E+0	5.57E+0
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	7.17E+0	1.20E-2	2.24E+0	4.92E+0	6.35E+0
JD229	324103	Batteries	電池	1.40E+1	5.62E-2	3.11E+0	1.09E+1	7.63E+0
JD230	324109	Other electrical devices and parts	その他の電気機械器具	1.61E+1	3.71E-1	1.87E+0	1.38E+1	1.05E+1
JD231	325101	Household air-conditioners	民生用エアコンディショナ	7.50E+0	3.96E-2	2.36E+0	5.10E+0	6.88E+0
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	8.27E+0	3.44E-2	2.28E+0	5.96E+0	6.87E+0
JD233	331101	Video recording and playback equipment	ビデオ機器	9.02E+0	1.19E-3	2.10E+0	6.91E+0	8.22E+0
JD234	331102	Electric audio equipment	電気音響機器	8.32E+0	9.92E-2	2.08E+0	6.14E+0	7.94E+0
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	7.28E+0	7.12E-2	2.15E+0	5.06E+0	7.69E+0
JD236	332101	Wired communication equipment	有線電気通信機器	8.36E+0	9.95E-2	1.85E+0	6.41E+0	7.76E+0
JD237	332102	Cellular phones	携帯電話機	8.08E+0	3.10E-2	1.75E+0	6.30E+0	8.51E+0
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	9.18E+0	7.40E-3	1.70E+0	7.47E+0	8.40E+0
JD239	332109	Other communication equipment	その他の電気通信機器	6.74E+0	5.06E-2	1.80E+0	4.89E+0	7.41E+0
JD240	333101	Personal Computers	パーソナルコンピュータ	9.43E+0	1.67E-2	1.57E+0	7.84E+0	1.00E+1
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	7.88E+0	2.15E-2	1.38E+0	6.48E+0	1.00E+1
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	7.60E+0	6.89E-3	1.78E+0	5.82E+0	9.20E+0
JD243	341101	Semiconductor devices	半導体素子	6.06E+0	1.17E-1	2.02E+0	3.93E+0	6.03E+0
JD244	341102	Integrated circuits	集積回路	7.97E+0	1.24E-1	2.73E+0	5.11E+0	6.41E+0
JD245	342101	Electron tubes	電子管	9.73E+0	1.69E-1	3.42E+0	6.33E+0	6.13E+0
JD246	342102	Liquid crystal element	液晶素子	8.33E+0	7.78E-2	2.16E+0	6.09E+0	9.22E+0
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	7.70E+0	3.31E-1	3.77E+0	3.59E+0	4.73E+0
JD248	342109	Other electronic components	その他の電子部品	9.81E+0	1.26E-1	2.67E+0	7.01E+0	6.69E+0
JD249	351101	Passenger motor cars	乗用車	8.08E+0	2.57E-2	3.29E+0	4.77E+0	5.29E+0
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	8.28E+0	4.26E-2	3.24E+0	5.00E+0	5.44E+0
JD251	353101	Two-wheel motor vehicles	二輪自動車	7.75E+0	6.14E-2	2.65E+0	5.03E+0	5.77E+0
JD252	354101	Motor vehicle bodies	自動車車体	8.99E+0	4.46E-2	3.90E+0	5.04E+0	5.76E+0
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部品	9.31E+0	2.09E-1	3.05E+0	6.05E+0	5.67E+0
JD254	354103	Motor vehicle parts and accessories	自動車部品	8.13E+0	2.03E-1	3.18E+0	4.75E+0	5.24E+0
JD255	361101	Steel ships	鋼船	1.05E+1	8.29E-2	5.54E+0	4.93E+0	4.31E+0
JD256	361102	Ships (except steel ships)	その他の船舶	5.75E+0	1.49E-1	2.72E+0	2.87E+0	4.55E+0
JD257	361103	Internal combustion engines for vessels	船用内燃機関	8.76E+0	1.22E+0	4.05E+0	3.50E+0	3.55E+0
JD258	361110	Repair of ships	船舶修理	6.28E+0	3.57E-2	3.07E+0	3.17E+0	4.75E+0
JD259	362101	Rolling stock	鉄道車両	9.05E+0	4.97E-1	4.12E+0	4.43E+0	4.29E+0
JD260	362110	Repair of rolling stock	鉄道車両修理	1.04E+1	1.19E+0	4.44E+0	4.82E+0	3.96E+0
JD261	362201	Aircrafts	航空機	6.44E+0	1.10E+0	1.84E+0	3.49E+0	8.40E+0
JD262	362210	Repair of aircrafts	航空機修理	6.42E+0	0.00E+0	9.99E-1	5.43E+0	2.43E+1
JD263	362901	Bicycles	自転車	1.42E+1	4.96E-1	2.76E+0	1.10E+1	7.91E+0
JD264	362909	Other transport equipment	その他の輸送機械	7.67E+0	3.75E-1	3.46E+0	3.84E+0	4.49E+0
JD265	371101	Camera	カメラ	6.70E+0	1.47E-1	1.80E+0	4.75E+0	7.57E+0
JD266	371109	Other photographic and optical instruments	その他の光学機械	6.52E+0	2.24E-1	2.58E+0	3.71E+0	5.22E+0
JD267	371201	Watches and clocks	時計	6.62E+0	8.82E-2	1.92E+0	4.61E+0	7.66E+0
JD268	371901	Professional and scientific instruments	理化学機械器具	4.28E+0	5.68E-2	2.03E+0	2.19E+0	4.72E+0

Table A9: Embodied global NOx intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global NO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	5.31E+0	1.01E-1	1.86E+0	3.35E+0	6.18E+0
JD270	371903	Medical instruments	医療用機械器具	6.41E+0	2.75E-1	2.06E+0	4.07E+0	5.97E+0
JD271	391101	Toys and games	がらん具	9.34E+0	2.49E-1	1.99E+0	7.10E+0	7.76E+0
JD272	391102	Sporting and athletic goods	運動用品	8.51E+0	2.36E-1	3.11E+0	5.17E+0	5.53E+0
JD273	391901	Musical instruments	楽器	5.33E+0	1.21E-1	1.94E+0	3.27E+0	5.38E+0
JD274	391902	Audio and video records, other information recording media	情報記録物	4.71E+0	1.28E-1	2.14E+0	2.44E+0	5.23E+0
JD275	391903	Stationery	筆記具・文具	5.42E+0	1.52E-1	2.43E+0	2.84E+0	5.04E+0
JD276	391904	Jewelry and adornments	身辺細貨品	1.14E+1	8.74E-2	1.69E+0	9.61E+0	8.82E+0
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	1.47E+1	1.88E-1	1.29E+0	1.33E+1	1.01E+1
JD278	391906	Ordnance	武器	7.21E+0	3.99E-2	2.42E+0	4.75E+0	5.91E+0
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	6.48E+0	1.61E-1	2.42E+0	3.90E+0	5.26E+0
JD280	392101	Reuse and recycling	再生資源回収・加工処理	9.21E+0	4.54E-1	7.61E+0	1.15E+0	1.89E+0
JD281	411101	Residential construction (wooden)	住宅建築(木造)	5.95E+0	1.46E-1	2.25E+0	3.56E+0	5.02E+0
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	6.88E+0	2.71E-1	3.03E+0	3.58E+0	4.51E+0
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	6.10E+0	1.46E-1	2.38E+0	3.57E+0	5.01E+0
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	7.20E+0	4.15E-1	2.94E+0	3.85E+0	4.74E+0
JD285	412101	Repair of construction	建設補修	6.34E+0	3.85E-1	2.79E+0	3.17E+0	4.53E+0
JD286	413101	Public construction of roads	道路関係公共事業	6.49E+0	6.23E-1	3.60E+0	2.26E+0	3.55E+0
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	6.20E+0	4.55E-1	3.70E+0	2.05E+0	3.28E+0
JD288	413103	Agricultural public construction	農林関係公共事業	7.02E+0	6.53E-1	4.04E+0	2.33E+0	3.38E+0
JD289	413201	Railway construction	鉄道軌道建設	6.99E+0	2.22E-1	3.92E+0	2.85E+0	3.52E+0
JD290	413202	Electric power facilities construction	電力施設建設	8.98E+0	1.84E-1	2.91E+0	5.89E+0	5.96E+0
JD291	413203	Telecommunication facilities construction	電気通信施設建設	7.71E+0	1.33E-1	2.48E+0	5.10E+0	5.93E+0
JD292	413209	Other civil engineering and construction	その他の土木建設	6.19E+0	3.16E-1	3.53E+0	2.34E+0	3.53E+0
JD293	5111001	Electricity	事業用電力	3.74E+1	3.10E+1	2.25E+0	4.13E+0	1.40E+0
JD294	511104	On-site power generation	自家発電	9.56E+1	8.77E+1	2.54E+0	5.34E+0	7.30E-1
JD295	512101	Gas supply	都市ガス	7.81E+0	1.85E-3	2.04E+0	5.76E+0	1.39E+1
JD296	512201	Steam and hot water supply	熱供給業	1.19E+1	4.07E+0	5.22E+0	2.57E+0	3.15E+0
JD297	521101	Water supply	上水道・簡易水道	2.41E+0	1.14E-1	1.32E+0	9.69E-1	3.86E+0
JD298	521102	Industrial water supply	工業用水	2.26E+0	4.50E-2	1.58E+0	6.29E-1	2.83E+0
JD299	521103	Sewage disposal **	下水道★	1.47E+1	5.10E+0	6.00E+0	3.59E+0	2.68E+0
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	8.33E+0	3.52E+0	2.96E+0	1.84E+0	2.36E+0
JD301	521202	Waste management services (private)	廃棄物処理(産業)	5.04E+0	2.12E+0	1.63E+0	1.29E+0	2.73E+0
JD302	611101	Wholesale trade	卸売	2.04E+0	3.83E-2	7.85E-1	1.22E+0	2.31E+1
JD303	611201	Retail trade	小売	3.14E+0	4.12E-1	1.81E+0	9.16E-1	3.47E+0
JD304	621101	Financial service	金融	1.28E+0	6.14E-2	6.23E-1	6.00E-1	6.99E+0
JD305	621201	Life insurance	生命保険	1.51E+0	7.90E-2	7.20E-1	7.14E-1	6.58E+0
JD306	621202	Non-life insurance	損害保険	1.30E+0	6.35E-2	6.95E-1	5.44E-1	6.01E+0
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	1.72E+0	1.37E-1	1.06E+0	5.23E-1	3.67E+0
JD308	641102	Real estate rental service	不動産賃貸業	1.48E+0	1.93E-1	9.39E-1	3.45E-1	2.76E+0
JD309	642101	House rent	住宅賃貸料	1.06E+0	2.42E-1	4.20E-1	4.02E-1	3.82E+0
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	4.15E-1	0.00E+0	2.10E-1	2.05E-1	4.78E+0
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	4.28E+0	3.84E-2	2.81E+0	1.43E+0	4.77E+0
JD312	711201	Railway transport (freight)	鉄道貨物輸送	5.70E+0	1.38E-1	3.94E+0	1.62E+0	3.02E+0
JD313	712101	Bus transport service	バス	5.41E+0	2.60E+0	8.97E-1	1.92E+0	5.62E+0
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	2.14E+0	3.19E-2	5.87E-1	1.52E+0	1.16E+1
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	6.02E+0	2.99E+0	1.37E+0	1.66E+0	4.88E+0
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	1.02E+1	1.12E+0	2.97E+0	6.13E+0	1.14E+1
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	1.52E+1	6.68E+0	2.98E+0	5.58E+0	6.60E+0
JD318	714101	Ocean transport	外洋輸送	1.25E+2	2.62E+1	1.99E+0	9.68E+1	3.07E+1
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	8.68E+1	8.10E+1	2.40E+0	3.37E+0	6.17E-1
JD320	714301	Harbor transport service	港湾輸送	7.52E+0	6.05E+0	1.77E-1	7.50E-1	1.24E+0
JD321	715101	Air transport	航空輸送	7.91E+0	1.77E-1	1.15E+0	6.58E+0	1.64E+1
JD322	716101	Consigned freight forwarding	貨物利用運送	2.34E+0	6.23E-1	8.47E-1	8.75E-1	5.15E+0
JD323	717101	Storage facility service	倉庫	3.39E+0	1.27E-1	2.43E+0	8.35E-1	2.53E+0
JD324	718101	Packing service	こん包	4.72E+0	8.96E-2	2.40E+0	2.23E+0	4.20E+0
JD325	718901	Facility service for road transport	道路輸送施設提供	1.95E+0	7.41E-2	1.31E+0	5.65E-1	3.17E+0
JD326	718902	Port and water traffic control **	水運施設管理★★	1.16E+1	9.45E+0	1.00E+0	1.13E+0	9.54E-1
JD327	718903	Services relating to water transport	その他の水運付帯サービス	1.82E+0	9.44E-1	4.47E-1	4.27E-1	2.85E+0
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	3.38E+0	2.75E-1	1.96E+0	1.15E+0	3.54E+0
JD329	718905	Airport and air traffic control	航空施設管理(産業)	3.70E+0	3.12E-1	2.26E+0	1.13E+0	3.18E+0
JD330	718906	Services relating to air transport	その他の航空付帯サービス	1.96E+0	1.23E-1	1.12E+0	7.17E-1	3.67E+0
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	1.76E+0	0.00E+0	7.92E-1	9.64E-1	9.84E+0
JD332	731101	Postal service	郵便・信書便	1.68E+0	0.00E+0	9.07E-1	7.68E-1	1.09E+1
JD333	731201	Fixed telecommunication	固定電気通信	1.72E+0	0.00E+0	9.71E-1	7.49E-1	7.11E+0
JD334	731202	Mobile telecommunication	移動電気通信	1.16E+0	0.00E+0	6.54E-1	5.07E-1	5.12E+0
JD335	731203	Other telecommunication	その他の電気通信	2.17E+0	0.00E+0	1.27E+0	8.94E-1	5.88E+0
JD336	731909	Other services relating to communication	その他の通信サービス	1.93E+0	0.00E+0	1.16E+0	7.70E-1	4.61E+0
JD337	732101	Public broadcasting	公共放送	2.36E+0	0.00E+0	1.28E+0	1.08E+0	7.79E+0
JD338	732102	Private broadcasting	民間放送	2.44E+0	0.00E+0	1.07E+0	1.37E+0	1.24E+1
JD339	732103	Cable broadcasting	有線放送	1.93E+0	0.00E+0	1.02E+0	9.16E-1	6.17E+0
JD340	733101	Information services	情報サービス	1.67E+0	2.00E-3	9.57E-1	7.14E-1	5.63E+0
JD341	734101	Internet based services	インターネット附随サービス	2.06E+0	2.87E-2	1.17E+0	8.60E-1	5.81E+0
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	4.72E+0	8.91E-1	1.04E+0	2.79E+0	1.92E+1
JD343	735102	Newspaper	新聞	9.42E+0	6.84E-3	6.00E+0	3.41E+0	3.90E+0
JD344	735103	Publication	出版	6.61E+0	5.72E-3	4.77E+0	1.83E+0	3.70E+0
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	1.73E+0	1.19E-2	8.03E-1	9.11E-1	1.11E+1
JD346	811101	Public administration (central) **	公務(中央)★★	3.01E+0	2.99E-1	1.04E+0	1.67E+0	7.45E+0
JD347	811201	Public administration (local) **	公務(地方)★★	2.10E+0	5.22E-1	9.33E-1	6.48E-1	3.63E+0
JD348	821101	School education (public) **	学校教育(国公立)★★	1.03E+0	1.47E-1	5.80E-1	2.99E-1	3.48E+0
JD349	821102	School education (private) *	学校教育(私立)★	2.14E+0	3.74E-1	7.92E-1	7.92E-1	4.04E+0
JD350	821301	Social education (public) **	社会教育(国公立)★★	3.50E+0	7.79E-1	1.74E+0	9.80E-1	3.32E+0
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	5.44E+0	9.38E-1	2.55E+0	1.95E+0	3.62E+0
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★★	4.68E+0	4.39E-1	2.16E+0	2.07E+0	7.23E+0
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	3.27E+0	1.06E+0	9.84E-1	1.23E+0	5.00E+0

Table A9: Embodied global NOx intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global NO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	5.59E+0	8.62E-1	2.73E+0	2.00E+0	4.68E+0
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	5.44E+0	1.81E+0	1.85E+0	1.79E+0	4.10E+0
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	4.11E+0	3.98E-1	1.59E+0	2.12E+0	7.38E+0
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	2.40E+0	2.37E-1	1.14E+0	1.02E+0	5.39E+0
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	7.41E+0	1.58E+0	3.20E+0	2.63E+0	4.66E+0
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	2.12E+0	1.43E-2	1.15E+0	9.62E-1	6.70E+0
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	4.18E+0	5.73E-1	2.10E+0	1.51E+0	3.76E+0
JD361	831101	Medical service (public)	医療(国公立)	3.82E+0	5.28E-1	1.54E+0	1.75E+0	4.96E+0
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	3.31E+0	6.19E-1	1.26E+0	1.44E+0	4.78E+0
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	3.23E+0	3.42E-1	1.27E+0	1.63E+0	5.66E+0
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	2.85E+0	8.51E-1	1.09E+0	9.12E-1	3.17E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	3.52E+0	8.55E-1	1.50E+0	1.17E+0	3.33E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	2.14E+0	0.00E+0	1.39E+0	7.49E-1	3.82E+0
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	2.32E+0	0.00E+0	1.61E+0	7.08E-1	3.49E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	3.37E+0	9.35E-1	1.35E+0	1.09E+0	3.01E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	3.11E+0	5.13E-1	1.41E+0	1.19E+0	3.50E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	3.76E+0	1.11E+0	1.44E+0	1.21E+0	2.99E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	2.82E+0	4.51E-1	1.33E+0	1.04E+0	3.45E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	3.32E+0	5.70E-1	1.54E+0	1.21E+0	3.46E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	3.90E+0	1.20E+0	1.22E+0	1.48E+0	4.07E+0
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	2.84E+0	9.87E-1	9.58E-1	8.96E-1	3.76E+0
JD375	851101	Advertising services	広告	3.53E+0	5.76E-3	2.02E+0	1.50E+0	6.42E+0
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	1.62E+0	3.07E-2	5.86E-1	1.01E+0	6.46E+0
JD377	851301	Car rental and leasing	貸自動車業	1.80E+0	2.45E-1	5.63E-1	9.95E-1	9.10E+0
JD378	851410	Repair of motor vehicles	自動車修理	5.14E+0	1.17E-1	2.05E+0	2.98E+0	5.67E+0
JD379	851510	Repair of machine	機械修理	6.46E+0	5.39E-2	2.07E+0	4.34E+0	6.48E+0
JD380	851901	Building maintenance services	建物サービス	1.61E+0	3.51E-1	6.10E-1	6.50E-1	5.17E+0
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	1.61E+0	7.49E-1	4.49E-1	4.10E-1	3.67E+0
JD382	851903	Civil engineering and construction services	土木建築サービス	3.42E+0	1.27E+0	1.28E+0	8.69E-1	2.96E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	2.65E-1	3.57E-2	1.29E-1	9.99E-2	5.21E+0
JD384	851909	Other business services	その他の対事業所サービス	1.30E+0	2.21E-1	5.56E-1	5.20E-1	5.20E+0
JD385	861101	Movie theaters	映画館	4.79E+0	9.86E-2	2.45E+0	2.24E+0	1.35E+1
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	2.34E+0	1.09E-1	8.48E-1	1.39E+0	9.74E+0
JD387	861103	Amusement and recreation facilities	遊戯場	5.25E+0	1.86E+0	2.01E+0	1.38E+0	2.81E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	2.54E+0	4.01E-1	1.12E+0	1.03E+0	4.72E+0
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	2.93E+0	5.62E-1	1.16E+0	1.20E+0	5.04E+0
JD390	861109	Other amusement and recreation services	その他の娯楽	2.98E+0	7.41E-1	1.30E+0	9.37E-1	3.93E+0
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	6.36E+0	1.94E-1	2.53E+0	3.64E+0	5.29E+0
JD392	861202	Coffee shops	喫茶店	5.29E+0	2.64E-1	2.09E+0	2.94E+0	5.05E+0
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	4.29E+0	2.18E-1	1.70E+0	2.37E+0	5.30E+0
JD394	861301	Hotels	宿泊業	6.21E+0	5.19E-1	2.68E+0	3.01E+0	5.91E+0
JD395	861401	Cleaning	洗濯業	6.97E+0	4.40E+0	1.61E+0	9.58E-1	1.64E+0
JD396	861402	Barber shops	理容業	1.37E+0	0.00E+0	6.38E-1	7.32E-1	5.94E+0
JD397	861403	Beauty shops	美容業	1.57E+0	0.00E+0	7.35E-1	8.38E-1	5.30E+0
JD398	861404	Public baths	浴場業	3.96E+0	2.28E-1	2.24E+0	1.49E+0	4.95E+0
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	2.33E+0	0.00E+0	1.12E+0	1.20E+0	5.56E+0
JD400	861901	Photographic studios	写真業	2.75E+0	3.42E-1	1.10E+0	1.31E+0	5.11E+0
JD401	861902	Ceremonial occasions	冠婚葬祭業	5.25E+0	1.78E+0	1.92E+0	1.56E+0	3.08E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	4.12E+0	1.39E+0	1.30E+0	1.43E+0	3.49E+0
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	2.14E+0	4.77E-1	1.00E+0	6.62E-1	3.72E+0
JD404	861909	Other personal services	その他の対個人サービス	2.55E+0	9.26E-1	7.51E-1	8.74E-1	3.59E+0
JD405	890000	Office supplies	事務用品	1.32E+1	0.00E+0	7.29E+0	5.89E+0	4.18E+0
JD406	900000	Activities not elsewhere classified	分類不明	4.96E+0	4.08E-1	2.40E+0	2.14E+0	4.79E+0



Table A10: Embodied global SO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005 [1/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD1	011101	Rice	米	4.39E+0	5.26E-2	1.18E+0	3.15E+0	1.05E+1
JD2	011102	Wheat, barley and the like	麦類	6.69E+0	3.93E-2	1.70E+0	4.95E+0	1.05E+1
JD3	011201	Potatoes and sweet potatoes	いも類	4.80E+0	3.80E-2	1.23E+0	3.52E+0	1.06E+1
JD4	011202	Pulses	豆類	4.74E+0	3.35E-2	1.30E+0	3.41E+0	1.05E+1
JD5	011301	Vegetables	野菜	1.06E+1	6.28E+0	1.28E+0	3.03E+0	4.52E+0
JD6	011401	Fruits	果実	8.40E+0	4.18E+0	1.17E+0	3.05E+0	5.33E+0
JD7	011501	Sugar crops	砂糖原料作物	6.33E+0	6.78E-2	1.59E+0	4.67E+0	1.04E+1
JD8	011502	Crops for beverages	飲料用作物	6.36E+0	3.27E-3	1.62E+0	4.73E+0	1.05E+1
JD9	011509	Other edible crops	その他の食用耕種作物	5.25E+0	1.24E-1	1.42E+0	3.70E+0	1.01E+1
JD10	011601	Crops for feed and forage	飼料作物	5.04E+0	3.55E-2	1.05E+0	3.96E+0	1.30E+1
JD11	011602	Seeds and seedlings	種苗	5.23E+0	1.32E-1	8.80E-1	4.22E+0	3.79E+1
JD12	011603	Flowers and plants	花き・花木類	2.98E+1	2.40E+1	1.67E+0	4.15E+0	2.83E+0
JD13	011609	Other inedible crops	その他の非食用耕種作物	3.10E+0	1.42E-1	7.41E-1	2.22E+0	1.05E+1
JD14	012101	Dairy cattle farming	酪農	4.79E+0	4.86E-2	1.27E+0	3.47E+0	1.28E+1
JD15	012102	Hen eggs	鶏卵	7.13E+0	4.58E-2	2.29E+0	4.80E+0	1.15E+1
JD16	012103	Fowls and broilers	肉鶏	8.13E+0	1.14E-1	2.62E+0	5.39E+0	1.11E+1
JD17	012104	Hogs	豚	6.86E+0	2.55E-2	2.17E+0	4.66E+0	1.17E+1
JD18	012105	Beef cattle	肉用牛	6.11E+0	5.08E-3	1.86E+0	4.24E+0	1.17E+1
JD19	012109	Other livestock	その他の畜産	6.75E+0	5.67E-2	1.46E+0	5.23E+0	1.13E+1
JD20	013101	Veterinary service	獣医学	2.86E+0	0.00E+0	5.65E-1	2.30E+0	2.01E+1
JD21	013102	Agricultural services (except veterinary service)	農業サービス (除獣医学)	4.20E+0	3.05E-1	1.28E+0	2.61E+0	9.55E+0
JD22	021101	Silviculture	育林	6.30E-1	1.44E-2	1.52E-1	4.64E-1	1.31E+1
JD23	021201	Logs	素材	2.42E+0	9.66E-2	5.75E-1	1.75E+0	1.35E+1
JD24	021301	Special forest products (inc. hunting)	特用林産物(含狩猟業)	1.03E+1	4.90E+0	1.75E+0	3.60E+0	6.63E+0
JD25	031101	Marine fisheries	海面漁業	1.15E+2	1.09E+2	2.47E+0	4.14E+0	7.66E-1
JD26	031104	Marine culture	海面養殖業	4.58E+1	2.79E+1	1.34E+1	4.54E+0	1.58E+0
JD27	0312001	Inland water fisheries and culture	内水面漁業・養殖業	4.06E+1	3.00E+1	4.83E+0	5.76E+0	3.30E+0
JD28	061101	Metallic ores	金属鉱物	9.77E+0	7.39E-1	5.64E+0	3.40E+0	6.07E+0
JD29	062101	Materials for ceramics	窯業原料鉱物	6.68E+0	8.10E-1	2.22E+0	3.65E+0	1.15E+1
JD30	062201	Gravel and quarrying	砂利・採石	6.33E+0	3.98E-1	1.97E+0	3.97E+0	1.41E+1
JD31	062202	Crushed stones	砕石	6.60E+0	4.99E-1	1.99E+0	4.11E+0	1.28E+1
JD32	062909	Other non-metallic ores	その他の非金属鉱物	1.16E+1	3.93E+0	2.54E+0	5.13E+0	9.25E+0
JD33	071101	Coal mining, crude petroleum and natural gas	石炭・原油・天然ガス	6.30E+0	1.91E-1	3.85E+0	2.26E+0	5.75E+0
JD34	0711011	Coal mining	石炭	6.30E+0	0.00E+0	4.04E+0	2.26E+0	5.75E+0
JD35	0711012	Crude petroleum	原油	6.30E+0	0.00E+0	4.04E+0	2.26E+0	5.75E+0
JD36	0711013	Natural gas	天然ガス	6.30E+0	0.00E+0	4.04E+0	2.26E+0	5.75E+0
JD37	111101	Slaughtering and meat processing	と畜(含肉鶏処理)	6.04E+0	2.23E-3	1.90E+0	4.14E+0	1.17E+1
JD38	111201	Processed meat products	肉加工品	9.18E+0	7.82E-1	9.54E-1	7.44E+0	1.50E+1
JD39	111202	Bottled or canned meat products	畜産びん・かん詰	7.01E+0	1.20E+0	1.59E+0	4.21E+0	1.03E+1
JD40	111203	Dairy farm products	酪農品	7.59E+0	1.94E+0	1.86E+0	3.80E+0	9.00E+0
JD41	111301	Frozen fish and shellfish	冷凍魚介類	5.48E+1	7.60E-1	5.05E+1	3.56E+0	1.08E+0
JD42	111302	Salted, dried or smoked seafood	塩・干・くん製品	3.22E+1	1.74E+0	2.25E+1	7.98E+0	4.71E+0
JD43	111303	Bottled or canned seafood	水産びん・かん詰	2.45E+1	3.74E+0	1.50E+1	5.68E+0	3.91E+0
JD44	111304	Fish paste	ねり製品	1.56E+1	1.37E+0	7.20E+0	6.99E+0	7.79E+0
JD45	111309	Other processed seafood	その他の水産食品	2.21E+1	6.39E-1	1.59E+1	5.59E+0	4.30E+0
JD46	111401	Grain milling	精穀	4.03E+0	1.13E-1	1.22E+0	2.70E+0	1.04E+1
JD47	111402	Flour and other grain milled products	製粉	9.01E+0	3.11E+0	1.08E+0	4.82E+0	1.19E+1
JD48	111501	Noodles	めん類	1.07E+1	3.49E+0	2.25E+0	4.93E+0	7.08E+0
JD49	111502	Bread	パン類	6.54E+0	4.61E-1	1.74E+0	4.34E+0	1.06E+1
JD50	111503	Confectionery	菓子類	7.94E+0	1.06E+0	1.63E+0	5.24E+0	1.23E+1
JD51	111601	Bottled or canned vegetables and fruits	農産びん・かん詰	1.25E+1	2.68E+0	2.47E+0	7.33E+0	8.33E+0
JD52	111602	Preserved agricultural foodstuffs (other than bottled or canned)	農産保存食料品(除びん・かん詰)	8.36E+0	9.93E-1	2.55E+0	4.83E+0	8.26E+0
JD53	111701	Sugar	砂糖	1.42E+1	4.08E+0	2.42E+0	7.67E+0	1.59E+1
JD54	111702	Starch	でん粉	9.83E+0	4.08E+0	1.20E+0	4.55E+0	9.51E+0
JD55	111703	Dextrose, syrup and isomerized sugar	ぶどう糖・水あめ・異性化糖	1.57E+1	4.91E+0	5.70E+0	5.05E+0	5.31E+0
JD56	111704	Vegetable oils and meal	植物油脂	1.13E+1	1.68E+0	1.45E+0	8.19E+0	1.14E+1
JD57	111705	Animal oils and fats	動物油脂	1.63E+1	6.18E+0	4.77E+0	5.31E+0	5.36E+0
JD58	111706	Condiments and seasonings	調味料	9.11E+0	1.31E+0	2.31E+0	5.49E+0	9.56E+0
JD59	111901	Prepared frozen foods	冷凍調理食品	1.06E+1	2.34E+0	2.40E+0	5.85E+0	8.31E+0
JD60	111902	Retort foods	レトルト食品	1.41E+1	3.30E+0	2.01E+0	8.81E+0	8.91E+0
JD61	111903	Dishes, sushi and lunch boxes	そう菜・すし・弁当	9.33E+0	7.85E-1	2.71E+0	5.84E+0	9.13E+0
JD62	111904	School lunch (public) **	学校給食(国公立)★	5.80E+0	1.38E-1	2.62E+0	3.04E+0	8.25E+0
JD63	111905	School lunch (private) *	学校給食(私立)★	6.08E+0	0.00E+0	2.78E+0	3.30E+0	8.40E+0
JD64	111909	Other foods	その他の食料品	9.32E+0	3.43E+0	1.58E+0	4.31E+0	6.88E+0
JD65	112101	Refined sake	清酒	3.78E+0	7.01E-1	1.06E+0	2.03E+0	8.57E+0
JD66	112102	Beer	ビール	3.50E+0	3.96E-1	8.42E-1	2.27E+0	1.08E+1
JD67	112103	Whiskey and brandy	ウィスキー類	4.42E+0	1.18E+0	9.08E-1	2.33E+0	9.41E+0
JD68	112109	Other liquors	その他の酒類	5.52E+0	8.65E-1	1.19E+0	3.46E+0	1.06E+1
JD69	112901	Tea and roasted coffee	茶・コーヒー	8.23E+0	2.74E-1	1.22E+0	6.73E+0	1.16E+1
JD70	112902	Soft drinks	清涼飲料	7.46E+0	1.06E+0	1.44E+0	4.96E+0	1.00E+1
JD71	112903	Manufactured ice	製氷	4.96E+0	7.86E-2	2.37E+0	2.52E+0	7.92E+0
JD72	113101	Animal feed	飼料	1.04E+1	1.37E+0	1.51E+0	7.52E+0	1.32E+1
JD73	113102	Organic fertilizers, n.e.c.	有機質肥料(除別掲)	7.99E+0	6.58E-1	1.98E+0	5.35E+0	1.10E+1
JD74	114101	Tobacco	たばこ	1.55E+0	8.90E-2	3.38E-1	1.12E+0	1.30E+1
JD75	151101	Fiber yarns	紡績糸	1.91E+1	1.13E+0	2.61E+0	1.53E+1	1.94E+1
JD76	151201	Cotton and staple fiber fabrics (inc. fabrics of synthetic spun fibers)	綿・スフ織物(含合繊短繊維織物)	2.57E+1	1.48E+0	3.79E+0	2.04E+1	1.12E+1
JD77	151202	Silk and artificial silk fabrics (inc. fabrics of synthetic filament fibers)	絹・人絹織物(含合繊長繊維織物)	1.59E+1	9.32E-1	5.03E+0	9.90E+0	1.16E+1
JD78	151203	Woolen fabrics, hemp fabrics and other fabrics	毛織物・麻織物・その他の織物	1.82E+1	2.23E-1	4.32E+0	1.36E+1	1.13E+1
JD79	151301	Knitting fabrics	ニット生地	1.93E+1	1.53E-1	2.80E+0	1.63E+1	1.66E+1
JD80	151401	Yarn and fabric dyeing and finishing (processing on commission only)	染色整理	1.81E+1	4.37E+0	2.96E+0	1.08E+1	9.57E+0
JD81	151901	Ropes and nets	綱・網	1.16E+1	4.26E-1	4.69E+0	6.52E+0	1.11E+1
JD82	151902	Carpets and floor mats	じゅうたん・床敷物	1.49E+1	2.03E-1	4.27E+0	1.04E+1	1.14E+1
JD83	151903	Fabricated textiles for medical use	繊維製衛生材料	8.19E+0	6.75E-2	2.93E+0	5.19E+0	1.15E+1
JD84	151909	Other fabricated textile products	その他の繊維工業製品	1.24E+1	5.76E-1	3.48E+0	8.31E+0	1.14E+1
JD85	152101	Woven fabric apparel	織物製衣服	1.35E+1	4.53E-2	1.89E+0	1.15E+1	1.27E+1
JD86	152102	Knitted apparel	ニット製衣服	1.15E+1	2.18E-1	3.42E+0	7.83E+0	1.22E+1
JD87	152209	Other wearing apparel and clothing accessories	その他の衣服・身の回り品	1.32E+1	1.48E+0	2.36E+0	9.33E+0	1.01E+1
JD88	152901	Bedding	寝具	1.00E+1	9.58E-2	1.56E+0	8.36E+0	1.28E+1
JD89	152909	Other ready-made textile products	その他の繊維既製品	1.20E+1	2.32E-1	2.23E+0	9.57E+0	1.18E+1
JD90	161101	Timber	製材	8.86E+0	5.82E-2	6.51E-1	8.15E+0	1.85E+1
JD91	161102	Plywood	合板	1.06E+1	2.83E-1	1.55E+0	8.74E+0	1.77E+1
JD92	161103	Wooden chips	木材チップ	3.62E+0	3.13E-2	8.86E-1	2.70E+0	1.24E+1
JD93	161909	Other wooden products	その他の木製品	6.95E+0	1.27E-1	1.20E+0	5.63E+0	1.68E+1

Table A10: Embodied global SO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005 [2/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD94	171101	Wooden furniture and fixtures	木製家具・装備品	1.02E+1	3.15E-1	1.23E+0	8.66E+0	1.41E+1
JD95	171102	Wooden fixtures	木製建具	7.51E+0	3.04E-1	1.55E+0	5.65E+0	1.38E+1
JD96	171103	Metallic furniture and fixture	金属製家具・装備品	1.08E+1	2.29E-1	1.58E+0	8.95E+0	1.23E+1
JD97	181101	Pulp	パルプ	2.73E+1	1.46E+0	8.58E+0	1.73E+1	1.41E+1
JD98	181201	Paper	洋紙・和紙	3.64E+1	1.76E+1	1.02E+1	8.57E+0	4.27E+0
JD99	181202	Paperboard	板紙	2.79E+1	1.04E+1	9.07E+0	8.38E+0	5.38E+0
JD100	181301	Corrugated cardboard	段ボール	1.58E+1	4.97E-1	9.99E+0	5.28E+0	5.91E+0
JD101	181302	Coated paper and building (construction) paper	塗工紙・建設用加工紙	1.23E+1	4.10E-1	7.11E+0	4.78E+0	6.25E+0
JD102	182101	Corrugated card board boxes	段ボール箱	7.53E+0	2.39E-1	4.52E+0	2.77E+0	6.55E+0
JD103	182109	Other paper containers	その他の紙製容器	1.10E+1	1.45E-1	4.88E+0	5.99E+0	1.15E+1
JD104	182901	Paper textile for medical use	紙製衛生材料・用品	1.12E+1	5.36E-1	4.76E+0	5.91E+0	8.69E+0
JD105	182909	Other pulp, paper and processed paper products	その他のパルプ・紙・紙加工品	1.05E+1	1.00E+0	5.42E+0	4.05E+0	6.17E+0
JD106	191101	Printing, plate making and book binding	印刷・製版・製本	7.29E+0	4.49E-2	3.65E+0	3.59E+0	7.58E+0
JD107	201101	Chemical fertilizer	化学肥料	2.85E+1	4.81E+0	3.22E+0	2.05E+1	9.58E+0
JD108	202101	Industrial soda chemicals	ソーダ工業製品	4.49E+1	1.04E+1	1.72E+1	1.72E+1	2.13E+1
JD109	202901	Inorganic pigment	無機顔料	2.43E+1	2.44E+0	6.05E+0	1.58E+1	9.18E+0
JD110	202902	Compressed gas and liquefied gas	圧縮ガス・液化ガス	1.13E+1	7.92E-1	4.91E+0	5.60E+0	7.03E+0
JD111	202903	Salt	塩	4.92E+1	3.01E+1	3.22E+0	1.58E+1	1.94E+1
JD112	202909	Other industrial inorganic chemicals	その他の無機化学工業製品	3.06E+1	7.03E+0	5.35E+0	1.82E+1	8.55E+0
JD113	203101	Petrochemical basic products	石油化学基礎製品	2.59E+1	3.47E-1	3.34E+0	2.22E+1	2.24E+1
JD114	203102	Petrochemical aromatic products (except synthetic resin)	石油化学系芳香族製品	2.17E+1	4.03E-1	2.36E+0	1.90E+1	2.29E+1
JD115	203201	Aliphatic intermediates	脂肪族中間物	2.73E+1	3.84E+0	7.19E+0	1.63E+1	1.24E+1
JD116	203202	Cyclic intermediates	環式中間物	2.24E+1	1.12E+0	3.05E+0	1.83E+1	1.89E+1
JD117	203301	Synthetic rubber	合成ゴム	2.01E+1	3.30E+0	6.59E+0	1.02E+1	1.12E+1
JD118	203901	Methane derivatives	メタン誘導品	2.81E+1	9.23E+0	6.07E+0	1.28E+1	6.61E+0
JD119	203902	Oil and fat industrial chemicals	油脂加工製品	1.30E+1	1.07E+0	2.57E+0	9.38E+0	1.84E+1
JD120	203903	Plasticizers	可塑剤	2.54E+1	4.60E+0	4.63E+0	1.62E+1	1.17E+1
JD121	203904	Synthetic dyes	合成染料	2.20E+1	1.85E+0	5.57E+0	1.46E+1	1.53E+1
JD122	203909	Other industrial organic chemicals	その他の有機化学工業製品	1.73E+1	6.16E-1	5.64E+0	1.10E+1	1.02E+1
JD123	204101	Thermo-setting resins	熱硬化性樹脂	1.88E+1	9.62E-1	3.80E+0	1.41E+1	1.41E+1
JD124	204102	Thermoplastics resins	熱可塑性樹脂	1.96E+1	1.36E+0	3.71E+0	1.45E+1	1.66E+1
JD125	204103	High function resins	高機能性樹脂	1.79E+1	3.84E-1	4.07E+0	1.34E+1	1.44E+1
JD126	204109	Other resins	その他の合成樹脂	1.84E+1	6.42E-1	4.18E+0	1.36E+1	1.48E+1
JD127	205101	Rayon and acetate	レーヨン・アセテート	1.64E+1	3.30E+0	4.53E+0	8.56E+0	9.21E+0
JD128	205102	Synthetic fibers	合成繊維	2.33E+1	7.81E+0	5.38E+0	1.01E+1	8.78E+0
JD129	206101	Medicaments	医薬品	6.85E+0	8.36E-1	1.69E+0	4.33E+0	1.05E+1
JD130	207101	Soap, synthetic detergents and surface active agents	石けん・合成洗剤・界面活性剤	1.39E+1	1.15E+0	2.80E+0	9.92E+0	1.29E+1
JD131	207102	Cosmetics, toilet preparations and dentifrices	化粧品・歯磨	8.62E+0	5.51E-1	2.79E+0	5.28E+0	1.04E+1
JD132	207201	Paint and varnishes	塗料	1.59E+1	1.93E-1	3.27E+0	1.25E+1	1.36E+1
JD133	207202	Printing ink	印刷インキ	1.43E+1	6.09E-2	2.96E+0	1.13E+1	1.55E+1
JD134	207301	Photographic sensitive materials	写真感光材料	2.07E+1	5.01E+0	4.07E+0	1.16E+1	7.87E+0
JD135	207401	Agricultural chemicals	農薬	1.48E+1	1.98E+0	3.86E+0	8.98E+0	9.79E+0
JD136	207901	Gelatin and adhesives	ゼラチン・接着剤	1.44E+1	1.82E+0	2.87E+0	9.72E+0	1.22E+1
JD137	207909	Other final chemical products	その他の化学最終製品	1.93E+1	2.61E+0	4.03E+0	1.27E+1	1.01E+1
JD138	211101	Petroleum refinery products (inc. greases)	石油製品	2.51E+1	4.39E+0	1.04E+0	1.96E+1	2.66E+1
JD139	212101	Coal products	石炭製品	2.37E+1	3.24E+0	9.07E-1	1.96E+1	1.57E+1
JD140	212102	Paving materials	舗装材料	9.78E+0	8.89E-1	2.30E+0	6.59E+0	1.79E+1
JD141	221101	Plastic products	プラスチック製品	1.34E+1	4.26E-1	2.26E+0	1.07E+1	1.43E+1
JD142	231101	Tires and inner tubes	タイヤ・チューブ	1.40E+1	7.52E-1	3.27E+0	1.00E+1	1.39E+1
JD143	231901	Rubber footwear	ゴム製履物	9.46E+0	3.99E+0	1.27E+0	4.20E+0	7.17E+0
JD144	231902	Plastic footwear	プラスチック製履物	1.23E+1	2.51E+0	1.62E+0	8.13E+0	9.80E+0
JD145	231909	Other rubber products	その他のゴム製品	9.64E+0	7.65E-1	2.11E+0	6.76E+0	1.18E+1
JD146	241101	Leather footwear	革製履物	1.15E+1	4.12E-1	1.03E+0	1.01E+1	1.18E+1
JD147	241201	Leather and fur skins	皮革・毛皮	9.80E+0	1.30E+0	8.43E-1	7.65E+0	1.24E+1
JD148	241202	Miscellaneous leather products	かばん・袋物・その他の革製品	8.49E+0	3.50E-1	1.31E+0	6.83E+0	1.16E+1
JD149	251101	Sheet glass and safety glass	板ガラス・安全ガラス	8.15E+0	2.84E-1	1.50E+0	6.36E+0	1.15E+1
JD150	251201	Glass fiber and glass fiber products, n.e.c.	ガラス繊維・同製品	1.19E+1	2.82E+0	4.09E+0	4.99E+0	6.78E+0
JD151	251909	Other glass products	その他のガラス製品	1.03E+1	2.58E+0	2.10E+0	5.66E+0	7.67E+0
JD152	252101	Cement	セメント	1.30E+2	1.13E+2	1.02E+1	6.59E+0	7.73E-1
JD153	252201	Ready mixed concrete	生コンクリート	2.76E+1	4.34E-1	2.34E+1	3.80E+0	2.21E+0
JD154	252301	Cement products	セメント製品	1.52E+1	4.12E+0	7.02E+0	4.08E+0	4.09E+0
JD155	253101	Pottery, china and earthenware	陶磁器	9.22E+0	5.05E-1	2.08E+0	6.64E+0	1.02E+1
JD156	259901	Clay refractories	耐火物	2.90E+1	8.60E+0	4.28E+0	1.61E+1	6.93E+0
JD157	259902	Other structural clay products	その他の建設用土石製品	1.03E+2	9.30E+1	4.23E+0	6.12E+0	8.66E-1
JD158	259903	Carbon and graphite products	炭素・黒鉛製品	1.46E+1	4.11E+0	2.99E+0	7.45E+0	7.54E+0
JD159	259904	Abrasive	研磨材	1.94E+1	3.95E+0	1.69E+0	1.38E+1	8.80E+0
JD160	259909	Miscellaneous ceramic, stone and clay products	その他の窯業・土石製品	9.76E+0	1.02E+0	2.07E+0	6.66E+0	9.13E+0
JD161	261101	Pig iron	鉄鉄	3.17E+1	1.95E+0	3.78E+0	2.60E+1	1.37E+1
JD162	261102	Ferro alloys	フェロアロイ	3.75E+1	9.30E+0	3.02E+0	2.52E+1	1.10E+1
JD163	261103	Crude steel (converters)	粗鋼(転炉)	3.41E+1	1.47E+0	4.42E+0	2.82E+1	1.14E+1
JD164	261104	Crude steel (electric furnaces)	粗鋼(電気炉)	6.68E+1	5.13E-1	3.52E+0	6.28E+1	1.69E+1
JD165	261201	Scrap iron	鉄屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD166	262101	Hot rolled steel	熱間圧延鋼材	2.99E+1	3.06E-1	4.06E+0	2.56E+1	1.25E+1
JD167	262201	Steel pipes and tubes	鋼管	2.36E+1	2.12E-1	3.16E+0	2.02E+1	1.81E+1
JD168	262301	Cold-finished steel	冷間仕上鋼材	2.55E+1	2.85E-1	4.34E+0	2.09E+1	1.33E+1
JD169	262302	Coated steel	めっき鋼材	2.14E+1	5.00E-1	4.11E+0	1.67E+1	1.18E+1
JD170	263101	Cast and forged steel	鍛鋼鋼	2.36E+1	5.82E-1	2.41E+0	2.06E+1	1.40E+1
JD171	263102	Cast iron pipes and tubes	鑄鉄管	1.01E+1	2.59E+0	3.52E+0	4.03E+0	6.29E+0
JD172	263103	Cast and forged materials (iron)	鑄鉄品及び鍛工品(鉄)	1.50E+1	1.87E+0	5.27E+0	7.91E+0	6.83E+0
JD173	264901	Iron and steel shearing and slitting	鉄鋼シャースリット業	1.77E+1	6.18E-2	3.41E+0	1.42E+1	1.26E+1
JD174	264909	Other iron or steel products	その他の鉄鋼製品	1.14E+1	5.91E-1	2.32E+0	8.47E+0	1.11E+1
JD175	271101	Copper	銅	4.19E+1	1.73E+0	1.24E+0	3.90E+1	1.98E+1
JD176	271102	Lead and zinc (inc. regenerated lead)	鉛・亜鉛(含再生)	2.67E+1	1.38E+0	2.28E+0	2.30E+1	1.66E+1
JD177	271103	Aluminum (inc. regenerated aluminum)	アルミニウム(含再生)	3.75E+1	5.13E+0	2.80E+0	2.96E+1	1.41E+1
JD178	271109	Other non-ferrous metals	その他の非鉄金属地金	3.45E+1	3.25E-1	1.88E+0	3.23E+1	1.97E+1
JD179	271201	Non-ferrous metal scrap	非鉄金属屑	0.00E+0	0.00E+0	0.00E+0	0.00E+0	0.00E+0
JD180	272101	Electric wires and cables	電線・ケーブル	3.93E+1	1.15E-1	1.94E+0	3.72E+1	1.20E+1
JD181	272102	Optical fiber cables	光ファイバケーブル	2.09E+1	1.40E-1	2.77E+0	1.80E+1	1.23E+1
JD182	272201	Rolled and drawn copper and copper alloys	伸銅品	4.41E+1	5.18E-1	2.04E+0	4.16E+1	1.37E+1
JD183	272202	Rolled and drawn aluminum	アルミ圧延製品	1.03E+2	4.28E-1	1.16E+0	1.01E+2	2.08E+1
JD184	272203	Non-ferrous metal castings and forgings	非鉄金属成形材	4.46E+1	3.12E-1	2.76E+0	4.15E+1	1.67E+1
JD185	272204	Nuclear fuels	核燃料	2.99E+1	0.00E+0	5.36E-1	2.94E+1	2.04E+1

Table A10: Embodied global SO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005 [3/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD186	272209	Other non-ferrous metal products	その他の非鉄金属製品	8.02E+1	4.30E-1	1.32E+0	7.84E+1	1.93E+1
JD187	281101	Metal products for construction	建設用金属製品	1.29E+1	1.88E-1	2.00E+0	1.07E+1	1.17E+1
JD188	281201	Metal products for architecture	建築用金属製品	2.45E+1	2.47E-1	1.41E+0	2.28E+1	1.99E+1
JD189	289101	Gas and oil appliances and heating and cooking apparatus	ガス・石油機器及び暖房機器	1.55E+1	2.62E-1	1.94E+0	1.33E+1	1.38E+1
JD190	289901	Bolts, nuts, rivets and springs	ボルト・ナット・リベット及びスプリング	1.36E+1	2.24E-1	1.61E+0	1.18E+1	2.73E+1
JD191	289902	Metal containers, fabricated plate and sheet metal	金属製容器及び製缶板金製品	1.14E+1	8.98E-2	1.71E+0	9.60E+0	1.93E+1
JD192	289903	Plumber's supplies, powder metallurgy products and tools	配管工事付属品・粉末や金製品・道具類	1.66E+1	4.48E-1	1.37E+0	1.48E+1	1.60E+1
JD193	289909	Other metal products	その他の金属製品	1.46E+1	4.87E-1	1.47E+0	1.27E+1	1.69E+1
JD194	301101	Boilers	ボイラ	6.69E+0	3.45E-1	1.08E+0	5.26E+0	1.22E+1
JD195	301102	Turbines	タービン	8.74E+0	5.58E-1	1.24E+0	6.94E+0	1.22E+1
JD196	301103	Engines	原動機	1.13E+1	2.42E-1	1.65E+0	9.37E+0	1.22E+1
JD197	301201	Conveyors	運搬機械	1.25E+1	1.45E-1	1.24E+0	1.12E+1	1.31E+1
JD198	301301	Refrigerators and air conditioning apparatus	冷凍機・温湿調整装置	1.28E+1	1.24E-1	1.19E+0	1.15E+1	1.18E+1
JD199	301901	Pumps and compressors	ポンプ及び圧縮機	1.16E+1	2.20E-1	1.46E+0	9.91E+0	1.20E+1
JD200	301902	Machinists' precision tools	機械工具	1.03E+1	3.81E-1	1.22E+0	8.69E+0	1.48E+1
JD201	301909	Other general industrial machinery and equipment	その他の一般産業機械及び装置	9.32E+0	4.56E-1	1.67E+0	7.20E+0	1.06E+1
JD202	302101	Machinery and equipment for construction and mining	建設・鉱山機械	9.46E+0	4.84E-1	1.52E+0	7.46E+0	1.19E+1
JD203	302201	Chemical machinery	化学機械	7.25E+0	1.94E-1	1.13E+0	5.93E+0	1.19E+1
JD204	302301	Industrial robots	産業用ロボット	9.08E+0	0.00E+0	1.24E+0	7.84E+0	1.43E+1
JD205	302401	Metal machine tools	金属工作機械	7.35E+0	9.96E-2	1.16E+0	6.09E+0	1.31E+1
JD206	302402	Metal processing machinery	金属加工機械	7.38E+0	7.68E-2	1.33E+0	5.97E+0	1.29E+1
JD207	302901	Machinery for agricultural use	農業用機械	7.81E+0	3.15E-1	1.43E+0	6.07E+0	1.12E+1
JD208	302902	Textile machinery	繊維機械	1.05E+1	2.93E-1	1.30E+0	8.93E+0	1.25E+1
JD209	302903	Food processing machinery and equipment	食品機械・同装置	9.21E+0	1.46E-1	1.41E+0	7.66E+0	1.26E+1
JD210	302904	Semiconductor making equipment	半導体製造装置	7.02E+0	1.11E-1	1.12E+0	5.79E+0	1.25E+1
JD211	302905	Vacuum equipment and vacuum component	真空装置・真空機器	9.41E+0	2.85E-1	1.38E+0	7.74E+0	1.15E+1
JD212	302909	Other special machinery for industrial use	その他の特殊産業用機械	9.23E+0	3.00E-1	1.21E+0	7.72E+0	1.27E+1
JD213	303101	Metal molds	金型	7.46E+0	2.67E-1	1.48E+0	5.72E+0	1.07E+1
JD214	303102	Bearings	ベアリング	1.05E+1	6.19E-1	1.83E+0	8.00E+0	1.05E+1
JD215	303109	Other general machines and parts	その他の一般機械器具及び部品	1.21E+1	4.44E-1	1.43E+0	1.02E+1	1.17E+1
JD216	311101	Copy machine	複写機	1.20E+1	1.84E-1	1.40E+0	1.04E+1	1.78E+1
JD217	311109	Other office machines	その他の事務用機械	1.01E+1	9.65E-2	1.23E+0	8.81E+0	1.76E+1
JD218	311201	Machinery for service industry	サービス用機器	1.02E+1	1.28E-1	1.28E+0	8.75E+0	1.58E+1
JD219	321101	Rotating electrical equipment	回転電気機械	1.74E+1	4.26E-2	1.59E+0	1.57E+1	1.45E+1
JD220	321102	Transformers and reactors	変圧器・変成器	1.91E+1	9.69E-3	1.46E+0	1.76E+1	1.53E+1
JD221	321103	Relay switches and switchboards	開閉制御装置及び配電盤	1.20E+1	2.19E-2	1.22E+0	1.08E+1	1.35E+1
JD222	321104	Wiring devices and supplies	配線器具	1.40E+1	1.74E-2	1.13E+0	1.29E+1	1.21E+1
JD223	321105	Electrical equipment for internal combustion engines	内燃機関電装品	1.10E+1	2.38E-2	1.32E+0	9.69E+0	1.31E+1
JD224	321109	Other electrical devices and parts	その他の産業用電気機器	1.39E+1	8.87E-3	1.48E+0	1.24E+1	1.31E+1
JD225	322101	Applied electronic equipment	電子応用装置	1.04E+1	1.42E-3	9.17E-1	9.46E+0	2.15E+1
JD226	323101	Electric measuring instruments	電気計測器	9.08E+0	6.32E-4	8.21E-1	8.26E+0	2.03E+1
JD227	324101	Electric bulbs	電球類	6.70E+0	3.32E-2	1.42E+0	5.24E+0	1.28E+1
JD228	324102	Electric lighting fixtures and apparatus	電気照明器具	9.87E+0	1.34E-3	1.27E+0	8.59E+0	1.33E+1
JD229	324103	Batteries	電池	2.42E+1	5.54E-2	2.01E+0	2.21E+1	1.30E+1
JD230	324109	Other electrical devices and parts	その他の電気機械器具	3.20E+1	1.33E-1	1.06E+0	3.08E+1	1.68E+1
JD231	325101	Household air-conditioners	民生用エアコンディショナ	1.14E+1	2.74E-2	1.31E+0	1.00E+1	1.57E+1
JD232	325102	Household electric appliances (except air-conditioners)	民生用電気機器(除エアコン)	1.29E+1	3.40E-2	1.24E+0	1.16E+1	1.44E+1
JD233	331101	Video recording and playback equipment	ビデオ機器	1.46E+1	1.87E-3	1.24E+0	1.33E+1	1.78E+1
JD234	331102	Electric audio equipment	電気音響機器	1.21E+1	1.77E-2	1.16E+0	1.09E+1	1.78E+1
JD235	331103	Radio and television sets	ラジオ・テレビ受信機	1.01E+1	8.82E-3	1.24E+0	8.85E+0	1.82E+1
JD236	332101	Wired communication equipment	有線電気通信機器	1.28E+1	5.78E-2	1.11E+0	1.16E+1	1.60E+1
JD237	332102	Cellular phones	携帯電話機	1.24E+1	4.44E-2	1.04E+0	1.13E+1	1.84E+1
JD238	332103	Radio communication equipment (except cellular phones)	無線電気通信機器(除携帯電話機)	1.45E+1	1.36E-3	1.02E+0	1.35E+1	1.69E+1
JD239	332109	Other communication equipment	その他の電気通信機器	9.51E+0	1.67E-2	9.57E-1	8.54E+0	1.61E+1
JD240	333101	Personal Computers	パーソナルコンピュータ	1.51E+1	2.16E-2	9.21E-1	1.41E+1	2.15E+1
JD241	333102	Electronic computing equipment (except personal computers)	電子計算機本体(除パソコン)	1.22E+1	2.24E-2	7.61E-1	1.14E+1	2.15E+1
JD242	333103	Electronic computing equipment (accessory equipment)	電子計算機付属装置	1.15E+1	4.31E-3	1.00E+0	1.05E+1	2.09E+1
JD243	341101	Semiconductor devices	半導体素子	8.79E+0	1.17E-1	1.18E+0	7.49E+0	1.25E+1
JD244	341102	Integrated circuits	集積回路	1.08E+1	1.22E-1	1.43E+0	9.27E+0	1.53E+1
JD245	342101	Electron tubes	電子管	1.32E+1	2.31E-1	2.07E+0	1.09E+1	1.42E+1
JD246	342102	Liquid crystal element	液晶素子	1.21E+1	8.29E-2	1.39E+0	1.07E+1	2.19E+1
JD247	342103	Magnetic tapes and discs	磁気テープ・磁気ディスク	8.72E+0	4.29E-1	2.25E+0	6.04E+0	1.17E+1
JD248	342109	Other electronic components	その他の電子部品	1.47E+1	9.63E-2	1.41E+0	1.32E+1	1.38E+1
JD249	351101	Passenger motor cars	乗用車	1.12E+1	3.06E-2	1.96E+0	9.23E+0	1.28E+1
JD250	352101	Trucks, buses and other cars	トラック・バス・その他の自動車	1.15E+1	1.44E-1	1.95E+0	9.37E+0	1.26E+1
JD251	353101	Two-wheel motor vehicles	二輪自動車	1.15E+1	1.98E-1	1.75E+0	9.60E+0	1.24E+1
JD252	354101	Motor vehicle bodies	自動車車体	1.24E+1	1.21E-1	2.05E+0	1.03E+1	1.85E+1
JD253	354102	Internal combustion engines for motor vehicles and parts	自動車用内燃機関・同部品	1.57E+1	7.23E-1	1.83E+0	1.31E+1	1.22E+1
JD254	354103	Motor vehicle parts and accessories	自動車部品	1.19E+1	3.16E-1	1.95E+0	9.64E+0	1.22E+1
JD255	361101	Steel ships	鋼船	1.31E+1	7.70E-2	2.84E+0	1.02E+1	1.25E+1
JD256	361102	Ships (except steel ships)	その他の船舶	7.55E+0	2.06E-2	2.32E+0	5.21E+0	1.05E+1
JD257	361103	Internal combustion engines for vessels	船用内燃機関	1.43E+1	4.36E+0	3.14E+0	6.81E+0	6.61E+0
JD258	361110	Repair of ships	船舶修理	8.41E+0	4.39E-3	2.02E+0	6.38E+0	1.25E+1
JD259	362101	Rolling stock	鉄道車両	1.21E+1	7.43E-1	1.69E+0	9.63E+0	1.12E+1
JD260	362110	Repair of rolling stock	鉄道車両修理	1.24E+1	3.71E-1	2.12E+0	9.95E+0	1.09E+1
JD261	362201	Aircrafts	航空機	9.37E+0	2.38E+0	1.39E+0	5.60E+0	1.18E+1
JD262	362210	Repair of aircrafts	航空機修理	7.78E+0	0.00E+0	8.37E-1	6.94E+0	3.46E+1
JD263	362901	Bicycles	自転車	2.26E+1	2.80E-1	1.70E+0	2.06E+1	1.20E+1
JD264	362909	Other transport equipment	その他の輸送機械	9.73E+0	4.08E-1	1.96E+0	7.35E+0	1.04E+1
JD265	371101	Camera	カメラ	9.67E+0	2.88E-1	1.03E+0	8.35E+0	1.68E+1
JD266	371109	Other photographic and optical instruments	その他の光学機械	8.46E+0	1.88E-1	1.40E+0	6.87E+0	1.26E+1
JD267	371201	Watches and clocks	時計	9.34E+0	9.85E-2	1.00E+0	8.24E+0	1.96E+1
JD268	371901	Professional and scientific instruments	理化学機械器具	5.14E+0	7.61E-2	1.05E+0	4.02E+0	1.14E+1

Table A10: Embodied global SO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005 [4/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD269	371902	Analytical instruments, testing machine, measuring instruments	分析器・試験機・計量器・測定器	7.55E+0	8.42E-2	1.02E+0	6.44E+0	1.44E+1
JD270	371903	Medical instruments	医療用機械器具	9.31E+0	2.77E-1	1.20E+0	7.83E+0	1.30E+1
JD271	391101	Toys and games	がん具	1.39E+1	9.03E-1	1.19E+0	1.18E+1	1.32E+1
JD272	391102	Sporting and athletic goods	運動用品	1.06E+1	5.95E-1	2.12E+0	7.86E+0	1.06E+1
JD273	391901	Musical instruments	楽器	6.52E+0	1.53E-1	1.06E+0	5.31E+0	1.27E+1
JD274	391902	Audio and video records, other information recording media	情報記録物	5.38E+0	5.30E-2	1.32E+0	4.01E+0	1.19E+1
JD275	391903	Stationery	筆記具・文具	6.21E+0	2.40E-1	1.46E+0	4.51E+0	1.13E+1
JD276	391904	Jewelry and adornments	身辺細貨品	1.88E+1	2.26E-1	1.06E+0	1.75E+1	1.58E+1
JD277	391905	"Tatami" (straw matting) and straw products	畳・わら加工品	1.95E+1	2.08E-2	5.93E-1	1.89E+1	1.42E+1
JD278	391906	Ordnance	武器	1.24E+1	1.12E-2	1.55E+0	1.08E+1	1.28E+1
JD279	391909	Miscellaneous manufacturing products	その他の製造工業製品	8.40E+0	7.73E-2	1.57E+0	6.75E+0	1.15E+1
JD280	392101	Reuse and recycling	再生資源回収・加工処理	8.51E+0	1.54E+0	5.44E+0	1.53E+0	4.13E+0
JD281	411101	Residential construction (wooden)	住宅建築(木造)	7.51E+0	2.60E-2	1.63E+0	5.86E+0	1.13E+1
JD282	411102	Residential construction (non-wooden)	住宅建築(非木造)	8.81E+0	1.02E-1	2.12E+0	6.58E+0	1.07E+1
JD283	411201	Non-residential construction (wooden)	非住宅建築(木造)	8.27E+0	3.28E-2	1.95E+0	6.28E+0	1.11E+1
JD284	411202	Non-residential construction (non-wooden)	非住宅建築(非木造)	9.21E+0	1.56E-1	1.92E+0	7.14E+0	1.10E+1
JD285	412101	Repair of construction	建設補修	8.37E+0	2.84E-1	1.98E+0	6.10E+0	1.11E+1
JD286	413101	Public construction of roads	道路関係公共事業	6.49E+0	1.69E-1	2.53E+0	3.79E+0	8.72E+0
JD287	413102	Public construction of rivers, drainages and others	河川・下水道・その他の公共事業	6.35E+0	2.06E-1	2.68E+0	3.46E+0	8.09E+0
JD288	413103	Agricultural public construction	農林関係公共事業	6.86E+0	1.57E-1	2.72E+0	3.99E+0	9.05E+0
JD289	413201	Railway construction	鉄道軌道建設	8.49E+0	5.94E-2	2.59E+0	5.84E+0	8.66E+0
JD290	413202	Electric power facilities construction	電力施設建設	1.46E+1	6.22E-2	1.66E+0	1.29E+1	1.58E+1
JD291	413203	Telecommunication facilities construction	電気通信施設建設	1.22E+1	6.24E-2	1.60E+0	1.06E+1	1.49E+1
JD292	413209	Other civil engineering and construction	その他の土木建設	6.60E+0	1.26E-1	2.34E+0	4.13E+0	8.91E+0
JD293	5111001	Electricity	事業用電力	1.79E+1	1.14E+1	1.20E+0	5.29E+0	6.04E+0
JD294	511104	On-site power generation	自家発電	1.01E+2	9.22E+1	2.01E+0	6.84E+0	1.43E+0
JD295	512101	Gas supply	都市ガス	7.13E+0	3.56E-5	1.59E+0	5.54E+0	2.88E+1
JD296	512201	Steam and hot water supply	熱供給業	8.09E+0	2.43E+0	2.44E+0	3.21E+0	9.36E+0
JD297	521101	Water supply	上水道・簡易水道	2.35E+0	1.30E-2	7.17E-1	1.62E+0	1.05E+1
JD298	521102	Industrial water supply	工業用水	1.72E+0	4.98E-3	7.42E-1	9.77E-1	8.87E+0
JD299	521103	Sewage disposal **	下水道★	2.15E+1	1.28E+1	3.22E+0	5.48E+0	4.29E+0
JD300	521201	Waste management services (public) **	廃棄物処理(公営)★★	5.78E+0	1.65E+0	1.48E+0	2.65E+0	7.01E+0
JD301	521202	Waste management services (private)	廃棄物処理(産業)	3.24E+0	5.38E-1	8.95E-1	1.81E+0	8.40E+0
JD302	611101	Wholesale trade	卸売	2.04E+0	5.20E-3	4.53E-1	1.58E+0	4.30E+1
JD303	611201	Retail trade	小売	2.27E+0	4.67E-2	9.59E-1	1.26E+0	1.02E+1
JD304	621101	Financial service	金融	1.17E+0	7.01E-3	3.76E-1	7.91E-1	1.65E+1
JD305	621201	Life insurance	生命保険	1.31E+0	8.95E-3	4.37E-1	8.65E-1	1.24E+1
JD306	621202	Non-life insurance	損害保険	1.10E+0	7.09E-3	3.98E-1	6.99E-1	1.24E+1
JD307	641101	Real estate agencies and managers	不動産仲介・管理業	1.22E+0	1.52E-2	4.92E-1	7.17E-1	1.06E+1
JD308	641102	Real estate rental service	不動産賃貸業	9.28E-1	2.14E-2	4.18E-1	4.89E-1	9.57E+0
JD309	642101	House rent	住宅賃貸料	9.71E-1	2.68E-2	2.69E-1	6.75E-1	1.10E+1
JD310	642201	House rent (imputed house rent)	住宅賃貸料(帰属家賃)	5.06E-1	0.00E+0	1.43E-1	3.64E-1	1.13E+1
JD311	711101	Railway transport (passengers)	鉄道旅客輸送	3.17E+0	1.15E-2	1.52E+0	1.63E+0	8.25E+0
JD312	712101	Railway transport (freight)	鉄道貨物輸送	4.40E+0	3.55E-2	1.70E+0	2.66E+0	9.40E+0
JD313	712101	Bus transport service	バス	3.24E+0	5.10E-1	7.34E-1	1.99E+0	1.54E+1
JD314	712102	Hired car and taxi transport	ハイヤー・タクシー	2.77E+0	1.15E-2	4.27E-1	2.33E+0	2.02E+1
JD315	712201	Road freight transport(except Self-transport by private cars)	道路貨物輸送(除自家輸送)	3.95E+0	6.06E-1	1.12E+0	2.23E+0	1.50E+1
JD316	713101	Self-transport by private cars (passengers)	自家輸送(旅客自動車)	1.15E+1	4.14E-1	2.87E+0	8.18E+0	2.04E+1
JD317	713201	Self-transport by private cars (freight)	自家輸送(貨物自動車)	1.15E+1	1.37E+0	2.76E+0	7.40E+0	1.76E+1
JD318	714101	Ocean transport	外洋輸送	1.09E+2	1.26E+1	1.42E+0	9.53E+1	6.80E+1
JD319	714201	Coastal and inland water transport	沿海・内水面輸送	7.55E+1	6.94E+1	2.06E+0	4.01E+0	1.32E+0
JD320	714301	Harbor transport service	港湾運送	6.09E+0	4.58E+0	4.42E-1	1.07E+0	3.26E+0
JD321	715101	Air transport	航空輸送	6.53E+0	1.86E-1	7.85E-1	5.56E+0	2.02E+1
JD322	716101	Consigned freight forwarding	貨物利用運送	1.87E+0	1.78E-1	5.12E-1	1.18E+0	1.21E+1
JD323	717101	Storage facility service	倉庫	2.37E+0	1.76E-2	1.12E+0	1.23E+0	8.33E+0
JD324	718101	Packing service	こん包	5.09E+0	1.39E-2	1.62E+0	3.45E+0	1.04E+1
JD325	718901	Facility service for road transport	道路輸送施設提供	1.46E+0	1.27E-2	6.09E-1	8.42E-1	9.59E+0
JD326	718902	Port and water traffic control **	水運施設管理★★	9.87E+0	7.34E+0	6.72E-1	1.85E+0	2.78E+0
JD327	718903	Services relating to water transport	その他の水運付帯サービス	1.53E+0	7.33E-1	2.45E-1	5.49E-1	6.02E+0
JD328	718904	Airport and air traffic control (public) **	航空施設管理(国営)★★	2.70E+0	2.67E-2	9.65E-1	1.71E+0	1.00E+1
JD329	718905	Airport and air traffic control	航空施設管理(産業)	2.80E+0	4.80E-2	1.12E+0	1.63E+0	9.46E+0
JD330	718906	Services relating to air transport	その他の航空付帯サービス	1.61E+0	2.32E-2	6.25E-1	9.60E-1	9.58E+0
JD331	718909	Travel agency and other services relating to transport	旅行・その他の運輸付帯サービス	1.29E+0	0.00E+0	4.49E-1	8.46E-1	1.40E+1
JD332	731101	Postal service・	郵便・信書便	1.26E+0	0.00E+0	4.44E-1	8.15E-1	1.78E+1
JD333	731201	Fixed telecommunication	固定電気通信	1.50E+0	0.00E+0	5.04E-1	9.93E-1	1.52E+1
JD334	731202	Mobile telecommunication	移動電気通信	1.08E+0	0.00E+0	3.62E-1	7.18E-1	1.19E+1
JD335	731203	Other telecommunication	その他の電気通信	1.83E+0	0.00E+0	6.38E-1	1.20E+0	1.30E+1
JD336	731909	Other services relating to communication	その他の通信サービス	1.74E+0	0.00E+0	6.10E-1	1.13E+0	1.07E+1
JD337	732101	Public broadcasting	公共放送	1.97E+0	0.00E+0	6.21E-1	1.35E+0	1.58E+1
JD338	732102	Private broadcasting	民間放送	2.51E+0	0.00E+0	5.54E-1	1.96E+0	2.70E+1
JD339	732103	Cable broadcasting	有線放送	1.97E+0	0.00E+0	5.72E-1	1.40E+0	1.39E+1
JD340	733101	Information services	情報サービス	1.55E+0	2.22E-4	5.66E-1	9.80E-1	1.18E+1
JD341	734101	Internet based services	インターネット附随サービス	1.75E+0	3.17E-3	5.94E-1	1.15E+0	1.27E+1
JD342	735101	Image information production and distribution industry	映像情報制作・配給業	5.39E+0	9.86E-2	6.53E-1	4.64E+0	4.43E+1
JD343	735102	Newspaper	新聞	9.16E+0	1.49E-2	4.66E+0	4.48E+0	8.57E+0
JD344	735103	Publication	出版	6.19E+0	3.30E-2	3.69E+0	2.47E+0	7.08E+0
JD345	735104	News syndicates and private detective agencies	ニュース供給・興信所	1.60E+0	1.32E-3	4.91E-1	1.11E+0	1.63E+1
JD346	811101	Public administration (central) **	公務(中央)★★	3.13E+0	3.45E-2	6.07E-1	2.49E+0	1.41E+1
JD347	811201	Public administration (local) **	公務(地方)★★	1.46E+0	6.31E-2	5.02E-1	8.99E-1	1.06E+1
JD348	821101	School education (public) **	学校教育(国公立)★★	7.34E-1	1.62E-2	3.12E-1	4.06E-1	9.21E+0
JD349	821102	School education (private) *	学校教育(私立)★	1.79E+0	4.62E-2	6.08E-1	1.14E+0	1.00E+1
JD350	821301	Social education (public) **	社会教育(国公立)★★	2.40E+0	2.59E-1	9.15E-1	1.22E+0	8.72E+0
JD351	821302	Social education (private, non-profit) *	社会教育(非営利)★	4.14E+0	1.04E-1	1.35E+0	2.69E+0	9.35E+0
JD352	821303	Other educational and training institutions (public) **	その他の教育訓練機関(国公立)★★	3.94E+0	1.45E-1	1.39E+0	2.40E+0	1.29E+1
JD353	821304	Other educational and training institutions (profit-making)	その他の教育訓練機関(産業)	2.60E+0	1.62E-1	7.04E-1	1.73E+0	1.29E+1

Table A10: Embodied global SO<sub>x</sub> intensities of Japanese goods and services based on producer price in 2005 [5/5]

Sector no.	Sector code	Sector name [Japanese domestic commodity]	Sector name in Japanese [Japanese domestic commodity]	Embodied global SO <sub>x</sub> intensities based on producer price in 2005				
				Total	(D) Direct emissions in Japan during production	(S) Induced emissions in Japan through supply	(F) Induced emissions in foreign country's supply chains	Coefficient of variance of the intensity
				kg/M-JPY	kg/M-JPY	kg/M-JPY	kg/M-JPY	%
JD354	822101	Research institutes for natural science (public) **	自然科学研究機関(国公立)★★	3.93E+0	2.22E-1	1.35E+0	2.35E+0	1.08E+1
JD355	822102	Research institutes for cultural and social science (public) **	人文科学研究機関(国公立)★★	3.88E+0	2.55E-1	1.34E+0	2.29E+0	1.06E+1
JD356	822103	Research institutes for natural sciences (private, non-profit) *	自然科学研究機関(非営利)★	3.37E+0	6.59E-2	1.07E+0	2.23E+0	1.27E+1
JD357	822104	Research institutes for cultural and social science (private, non-profit) *	人文科学研究機関(非営利)★	2.04E+0	2.63E-2	7.71E-1	1.24E+0	1.07E+1
JD358	822105	Research institutes for natural sciences (profit-making)	自然科学研究機関(産業)	5.99E+0	6.92E-1	1.78E+0	3.52E+0	1.12E+1
JD359	822106	Research institutes for cultural and social science (profit-making)	人文科学研究機関(産業)	1.90E+0	2.95E-3	7.25E-1	1.18E+0	1.17E+1
JD360	822201	Research and development (intra-enterprise)	企業内研究開発	3.56E+0	1.84E-1	1.17E+0	2.21E+0	9.94E+0
JD361	831101	Medical service (public)	医療(国公立)	3.79E+0	6.22E-2	1.03E+0	2.70E+0	1.35E+1
JD362	831102	Medical service (non-profit foundations, etc.)	医療(公益法人等)	3.17E+0	7.24E-2	8.73E-1	2.22E+0	1.41E+1
JD363	831103	Medical service (medical corporations, etc.)	医療(医療法人等)	3.45E+0	4.08E-2	8.83E-1	2.52E+0	1.48E+1
JD364	831201	Health and hygiene (public) **	保健衛生(国公立)★★	2.30E+0	1.59E-1	7.59E-1	1.38E+0	9.47E+0
JD365	831202	Health and hygiene (profit-making)	保健衛生(産業)	2.90E+0	2.16E-1	9.22E-1	1.76E+0	9.71E+0
JD366	831301	Social insurance (public) **	社会保険事業(国公立)★★	1.74E+0	0.00E+0	6.76E-1	1.07E+0	1.03E+1
JD367	831302	Social insurance (private, non-profit) *	社会保険事業(非営利)★	1.72E+0	0.00E+0	7.48E-1	9.74E-1	9.98E+0
JD368	831303	Social welfare (public) **	社会福祉(国公立)★★	2.55E+0	1.14E-1	1.00E+0	1.43E+0	8.43E+0
JD369	831304	Social welfare (private, non-profit) *	社会福祉(非営利)★	2.78E+0	7.18E-2	1.09E+0	1.62E+0	8.55E+0
JD370	831305	Social welfare (profit-making)	社会福祉(産業)	2.90E+0	1.37E-1	1.10E+0	1.66E+0	8.49E+0
JD371	831401	Nursing care (In-home)	介護(居宅)	2.49E+0	6.05E-2	1.07E+0	1.36E+0	8.21E+0
JD372	831402	Nursing care (In-facility)	介護(施設)	2.92E+0	6.99E-2	1.29E+0	1.56E+0	8.23E+0
JD373	841101	Private non-profit institutions serving enterprises	対企業民間非営利団体	3.04E+0	1.33E-1	8.07E-1	2.10E+0	1.12E+1
JD374	841102	Private non-profit institutions serving households, n.e.c. *	対家計民間非営利団体(除別掲)★	1.98E+0	1.09E-1	6.49E-1	1.22E+0	1.06E+1
JD375	851101	Advertising services	広告	3.50E+0	6.38E-4	1.38E+0	2.12E+0	1.41E+1
JD376	851201	Goods rental and leasing (except car rental)	物品賃貸業(除貸自動車)	1.91E+0	5.09E-3	3.29E-1	1.58E+0	1.29E+1
JD377	851301	Car rental and leasing	貸自動車業	1.29E+0	4.46E-2	3.26E-1	9.21E-1	1.42E+1
JD378	851410	Repair of motor vehicles	自動車修理	6.09E+0	1.50E-2	1.23E+0	4.84E+0	1.25E+1
JD379	851510	Repair of machine	機械修理	8.73E+0	8.69E-3	1.08E+0	7.63E+0	1.35E+1
JD380	851901	Building maintenance services	建物サービス	1.34E+0	3.89E-2	3.87E-1	9.19E-1	1.24E+1
JD381	851902	Judicial, financial and accounting services	法務・財務・会計サービス	9.47E-1	1.32E-1	2.79E-1	5.36E-1	1.14E+1
JD382	851903	Civil engineering and construction services	土木建築サービス	2.19E+0	1.41E-1	8.67E-1	1.19E+0	9.08E+0
JD383	851904	Worker dispatching services	労働者派遣サービス	2.06E-1	3.95E-3	7.55E-2	1.27E-1	1.24E+1
JD384	851909	Other business services	その他の対事業所サービス	1.05E+0	2.93E-2	3.05E-1	7.20E-1	1.24E+1
JD385	861101	Movie theaters	映画館	4.65E+0	1.09E-2	1.08E+0	3.56E+0	3.60E+1
JD386	861102	Performances (except otherwise classified), theatrical companies	興行場(除別掲)・興行団	1.87E+0	1.65E-2	5.15E-1	1.34E+0	1.74E+1
JD387	861103	Amusement and recreation facilities	遊戯場	3.25E+0	2.06E-1	1.01E+0	2.04E+0	9.88E+0
JD388	861104	Stadiums and companies of bicycle, horse, motorcar and motorboat races	競輪・競馬等の競走場・競技団	1.80E+0	5.04E-2	5.84E-1	1.16E+0	1.14E+1
JD389	861105	Sport facility service, public gardens and amusement parks	スポーツ施設提供業・公園・遊園地	2.17E+0	7.14E-2	6.54E-1	1.44E+0	1.12E+1
JD390	861109	Other amusement and recreation services	その他の娯楽	2.11E+0	8.35E-2	7.33E-1	1.29E+0	1.15E+1
JD391	861201	General eating and drinking places (except coffee shops)	一般飲食店(除喫茶店)	5.98E+0	2.86E-2	2.25E+0	3.70E+0	9.51E+0
JD392	861202	Coffee shops	喫茶店	4.91E+0	3.57E-2	1.68E+0	3.20E+0	1.01E+1
JD393	861203	Eating and drinking places for pleasures	遊興飲食店	4.01E+0	3.17E-2	1.40E+0	2.58E+0	1.06E+1
JD394	861301	Hotels	宿泊業	4.90E+0	6.47E-2	2.08E+0	2.75E+0	8.81E+0
JD395	861401	Cleaning	洗濯業	2.76E+0	4.95E-1	8.66E-1	1.40E+0	9.25E+0
JD396	861402	Barber shops	理容業	1.48E+0	0.00E+0	3.88E-1	1.10E+0	1.27E+1
JD397	861403	Beauty shops	美容業	1.78E+0	0.00E+0	4.62E-1	1.31E+0	1.15E+1
JD398	861404	Public baths	浴場業	3.48E+0	1.82E-1	1.26E+0	2.04E+0	1.17E+1
JD399	861409	Other cleaning, barber shops, beauty shops and public baths	その他の洗濯・理容・美容・浴場業	2.64E+0	0.00E+0	7.88E-1	1.85E+0	1.17E+1
JD400	861901	Photographic studios	写真業	2.86E+0	3.79E-2	8.37E-1	1.98E+0	1.08E+1
JD401	861902	Ceremonial occasions	冠婚葬祭業	4.19E+0	7.35E-1	1.39E+0	2.07E+0	8.14E+0
JD402	861903	Miscellaneous repairs, n.e.c.	各種修理業(除別掲)	3.07E+0	1.69E-1	7.26E-1	2.17E+0	1.05E+1
JD403	861904	Supplementary tutorial schools, instruction services for arts, culture and technical skills	個人教授業	1.52E+0	5.89E-2	5.51E-1	9.13E-1	1.03E+1
JD404	861909	Other personal services	その他の対個人サービス	2.00E+0	1.05E-1	5.49E-1	1.34E+0	1.05E+1
JD405	890000	Office supplies	事務用品	1.49E+1	0.00E+0	5.69E+0	9.20E+0	9.83E+0
JD406	900000	Activities not elsewhere classified	分類不明	4.86E+0	1.71E-1	1.53E+0	3.15E+0	1.06E+1