

## CDP 2009 Information Request

Respondent: Tellabs, Inc.

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### Risk and Opportunities

#### 1. Regulatory Risks: (CDP6 1(a)(i))

1.1 Is your company exposed to regulatory risks related to climate change?

We consider our company to be exposed to regulatory risks.

Tellabs advances telecom networks

As user needs for communications services evolve, Tellabs experts design, develop, deploy and support our solutions for telecom service providers worldwide.

Leading service providers rely on Tellabs.

Our customers include wireline, wireless and cable TV companies, as well as government agencies. Verizon, BellSouth, NTT Communications of Japan, Telstra of Australia, Telkom South Africa and Telecom Italia are among our customers.

Tellabs provides solutions for wireline and mobile networks, including:

Tellabs® IntegratedMobileSM solution transports new 3G services and streamlines mobile networks to lower "backhaul" costs.

Tellabs® DynamicHomeSM solution brings home the "triple play" of broadband voice, data and video services. Tellabs leads the North American market for fiber-access systems.

Tellabs® MultiservicePLUSSM and AssuredEthernetSM solutions deliver today's and tomorrow's business services with guaranteed reliability.

Tellabs Global Services provides professional services for networks. We also engineer, furnish and install Tellabs solutions.

Recognized by our customers.

Tellabs continues to be honored for our superior customer service based on customer survey data and awards from customers such as Verizon, Sprint, Telia and TELUS.

Tellabs (NASDAQ: TLAB) is part of the NASDAQ Global Select Market, Ocean Tomo 300™ Patent Index and the S&P 500.

Tellabs is committed to corporate citizenship and to conducting business with integrity. We work to foster the success of our customers, employees, investors, suppliers and communities.

We strive to make positive, sustainable choices that help:

Protect the environment,

Strengthen the supply chain,

Engage our employees,

Ensure highest standards of ethics and governance, and

Give back to the community.

We see corporate responsibility as a journey.

[www.tellabs.com](http://www.tellabs.com)

Further information

#### 2. Physical Risks: (CDP6 1(a)(ii))

2.1 Is your company exposed to physical risks from climate change?

We do not consider our company to be exposed to physical risks.

Tellabs recognizes the risks posed from disruptive weather patterns and other significant impacts attributed to climate change. To address risks associated with such potential

disruptions, Tellabs has developed contingency plans for each facility that it operates. These plans include appropriate measures to recover quickly in the event of natural disasters and other physical risks associated with climate change. Tellabs' contingency plans allow for the continuation of critical business operations through the transfer of operations between compatible facilities.

Further information

#### 3. Other Risks: (CDP6 1(a)(iii))

3.1 Is your company exposed to other risks as a result of climate change?

We do not consider our company to be exposed to other risks.

The increasing awareness of and emerging responses to climate change have become significant drivers in the stakeholder engagement practices for a number of companies.

We believe that the increasing awareness of climate change will result in increasing demand for products, services and management systems that can address the issue of

climate change. The challenge for Tellabs is to assure that the potential commercial risks that may arise are recognized and turned into opportunities.

Further information

#### 4. Regulatory Opportunities: (CDP6 1(b)(i))

#### 4.1 Do regulatory requirements on climate change present opportunities for your company?

Regulatory requirements do not present opportunities for my company.

Tellabs is an electronic and electrical equipment producer subject to all environmental regulations applicable to our industry. Tellabs recognizes potential future regulations may impact our business, products and facilities. The following groups within Tellabs are tasked with identifying and minimizing any regulatory risks that may impact Tellabs' businesses or products:

- Office of Environmental Affairs,
- Regulatory,
- Trade,
- Legal, and
- Facilities/EHS.

In addition, Tellabs is a member of several industry groups that monitor regulatory issues providing another means of tracking potentially applicable regulations. Given Tellabs' internal capacity to address regulatory concerns and its external associations, Tellabs is positioned to capably respond to any regulatory issues that may impact its businesses, products, or facilities.

It does appear there may be some opportunity in Energy Efficiency Regulatory requirements which may benefit Tellabs customers as well as Tellabs as a whole. We will start benchmarking our products internally and look for opportunities to improve our products energy efficiency.

Further information

### 5. Physical Opportunities: (CDP6 1(b)(ii))

#### 5.1 Do physical changes resulting from climate change present opportunities for your company?

Physical changes do not present opportunities for my company.

Tellabs has not currently identified business opportunities as they relate to the potential physical changes posed by climate change. We will continue to evaluate and respond should opportunities arise.

Tellabs recognizes the risks posed from disruptive weather patterns and other significant impacts attributed to climate change. To address risks associated with such potential disruptions, Tellabs has developed contingency plans for each facility that it operates. These plans include appropriate measures to recover quickly in the event of natural disasters and other physical risks associated with climate change. Tellabs' contingency plans allow for the continuation of critical business operations through the transfer of operations between compatible facilities.

Further information

### 6. Other Opportunities: (CDP6 1(b)(iii))

#### 6.1 Does climate change present other opportunities for your company?

Climate change does not present other opportunities for my company.

Internally, Tellabs is in the second year of collecting data related to climate change and GHG emissions. Tellabs currently does not have sufficient data upon which to assess potential opportunities. Through the initial and future inventory processes, Tellabs expects to identify projects related to its operations and is committed to making improvements as we see opportunities to do so. Tellabs will continue to support its customers with efficient, well integrated technologies that not only meet or exceed regulatory requirements, but also assist them with minimizing their own carbon footprints, through for example, the minimization of travel using conferencing technologies enabled by Tellabs' products. As our customers' desires evolve, we see commercial opportunities in providing products to meet their needs and an increased demand for new and improved technologies.

Further information

## Greenhouse Gas (GHG) Emissions Accounting, Emissions Intensity, Energy and Trading

### 7. Reporting Year (CDP6 Q2(a)(ii))

Information about how to respond to this section may be found in "The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)" developed by the World Resources Institute and the World Business Council for Sustainable Development ("the GHG Protocol"), see <http://www.ghgprotocol.org/>. ISO 14064-1 is compatible with the GHG Protocol as are a number of regional/national programme protocols. For more information see <http://www.ghgprotocol.org/> and use the guidance button above.

Please provide CDP with responses to questions 7, 8, 9, 10.1, 10.2, 11.1 and 11.2 for the three years prior to the current reporting year if you have not done so before or if this is the first time you have answered a CDP information request. Please work backwards from the current reporting year, so that you enter data for your oldest reporting period last.

Questions 10.1, 10.2, 11.1, and 11.2 are on subsequent webpages and the dates that you give in answer to question 7 will be carried forwards to automatically

populate those webpages.

7.1. Please state the start date and end date of the year for which you are reporting GHG emissions.

Start date: 01 January 2008  
End date: 31 December 2008  
Financial accounting year: 01 January 2008

8. Reporting Boundary: (CDP6 Q2(a)(i))

8.1. Please indicate the category that describes the company, entities, or group for which Scope 1 and Scope 2 GHG emissions are reported.

Companies over which operational control is exercised.

8.2. Please state whether any parts of your business or sources of GHG emissions are excluded from your reporting boundary.

No

9. Methodology: (CDP6 Q2(a)(iii))

9.1. Please describe the process used by your company to calculate Scope 1 and Scope 2 GHG emissions including the name of the standard, protocol or methodology you have used to collect activity data and calculate Scope 1 and Scope 2 GHG emissions.

Please provide your answer in the text box. In addition to this description, if relevant, select a methodology from the list of published methodologies. This will aid automated analysis of the data.

The Tellabs 2008 inventory was prepared in accordance with the principles and calculation methodologies as set forth in the World Resources Institute/World Business Council for Sustainable Development GHG Protocol (WRI/WBCSD GHG Protocol). Appropriate emissions factors were taken from The Climate Registry's General Reporting Protocol, Version 1.0 (March 2008). To determine whether direct fugitive emissions from refrigerants were de minimis (defined as < or = 5% of overall GHG emissions), the California Climate Action Registry's screening method for emissions from refrigerants was used. To determine whether direct fugitive emissions from fire suppression equipment were de minimis, the EPA Climate Leaders screening method for fire suppression equipment was utilized.

Select methodologies:

The Climate Registry  
The Greenhouse Gas Protocol: A Corporate Accounting and Reporting Standard (Revised Edition)

Please also provide:

9.2 Details of any assumptions made.

None

9.3 The names of and links to any calculation tools used.

Calculation tool provided by Frist Environment.

Select calculation tools:

GHG Protocol - CO2 emissions from business travel 1.2 August 2005  
GHG Protocol - Indirect CO2 emissions from purchased electricity 3.0 March 2008

9.4 The global warming potentials you have applied and their origin.

None

9.5 The emission factors you have applied and their origin.

Tellabs manages the accuracy through billing documents provided by the utilities company and facilities management.

Further information

10. Scope 1 Direct GHG Emissions: (CDP6 Q2(b)(i))

Instructions for question 10 and question 11 (following page)

When providing answers to questions 10 and 11, please do not deduct offset credits, Renewable Energy Certificates etc, or net off any estimated avoided emissions from the export of renewable energy, carbon sequestration (including enhanced oil recovery) or from the use of goods and services. Opportunities to provide details of activities that reduce or avoid emissions are provided elsewhere in the information request.

Carbon dioxide emissions from biologically sequestered carbon e.g. carbon dioxide from burning biomass/biofuels should be reported separately from emissions Scopes 1, 2 and 3. If relevant, please report these emissions in question 15. However, please do include any nitrous oxide or methane emissions from biomass/biofuel combustion in your emissions under the three scopes.

Please answer the following questions using Table 1.

Please provide:

10.1. Total gross global Scope 1 GHG emissions in metric tonnes of CO<sub>2</sub>-e

Please break down your total gross global Scope 1 emissions by:

10.2. Country or region

Please provide CDP with responses to questions 10.1 and 10.2 for the three years prior to the current reporting year if you have not done so before or if this is the first time you have answered a CDP information request. Please work backwards from the current reporting year, so that you enter data for your oldest reporting period last. Table 1 (below) and table 5 (Q11.1 and 11.2) will be automatically populated with the dates that you give in answer to 7.1.

Electric utilities should report emissions by country/region using the table in question EU3.

Table 1 - Please use whole numbers only. Use the "Other" option in the drop down menu to enter the name of a region.

<b>Reporting year Q7.1 Start date</b>	01/01/2008
<b>Reporting year Q7.1 End date</b>	31/12/2008
<b>10.1 Total gross global Scope 1 GHG emissions in metric tonnes CO<sub>2</sub>-e</b>	2904
<b>10.2 Gross Scope 1 emissions in metric tonnes CO<sub>2</sub>-e by country or region</b>	

Your answer to question 10.1 will be automatically carried forward to tables 2 and 3 below if you add a country or region in answer to 10.2 or press "Save" at the end of the page.

Please tick the box if your total gross global Scope 1 figure (Q10.1) includes emissions that you have transferred outside your reporting boundary (as given in answer to 8.1). Please report these transfers under 13.5.

Where it will facilitate a better understanding of your business, please also break down your total global Scope 1 emissions by:

10.3. Business division

and/or

10.4. Facility

10.3. Business division (only data for the current reporting year requested)

Table 2 - Please use whole numbers only.

<b>Business Divisions - Enter names below</b>	<b>Scope 1 Metric tonnes CO<sub>2</sub>-e</b>
<b>Total gross global Scope 1 GHG emissions in metric tonnes CO<sub>2</sub>-e - answer to question Q10.1</b>	2904

10.4. Facility (only data for the current reporting year requested)

Table 3 - Please use whole numbers only.

<b>Facilities - Enter names below</b>	<b>Scope 1 Metric tonnes CO<sub>2</sub>-e</b>
<b>Total gross global Scope 1 GHG emissions in metric tonnes CO<sub>2</sub>-e - answer to question Q10.1</b>	2904

10.5. Please break down your total global Scope 1 GHG emissions in metric tonnes of the gas and metric tonnes of CO<sub>2</sub>-e by GHG type. (Only data for the current reporting year requested.)

Table 4 - Please use whole numbers only.

Scope 1 GHG Type	Unit	Quantity
CO <sub>2</sub>	Metric tonnes	
CH <sub>4</sub>	Metric tonnes	
CH <sub>4</sub>	Metric tonnes CO <sub>2</sub> -e	
N <sub>2</sub> O	Metric tonnes	
N <sub>2</sub> O	Metric tonnes CO <sub>2</sub> -e	
HFCs	Metric tonnes	
HFCs	Metric tonnes CO <sub>2</sub> -e	
PFCs	Metric tonnes	
PFCs	Metric tonnes CO <sub>2</sub> -e	
SF <sub>6</sub>	Metric tonnes	
SF <sub>6</sub>	Metric tonnes CO <sub>2</sub> -e	

10.6. If you have not provided any information about Scope 1 emissions in response to the questions above, please explain your reasons and describe any plans you have for collecting Scope 1 GHG emissions information in future.

Further information

11. Scope 2 Indirect GHG Emissions: (CDP6 Q2(b)(i))

Important note about emission factors where zero or low carbon electricity is purchased:

The emissions factor you should use for calculating Scope 2 emissions depends upon whether the electricity you purchase is counted in calculating the grid average emissions factor or not – see below. You can find this out from your supplier.

Electricity that IS counted in calculating the grid average emissions factor:

Where electricity is sourced from the grid and that electricity has been counted in calculating the grid average emissions factor, Scope 2 emissions must be calculated using the grid average emissions factor, even if your company purchases electricity under a zero or low carbon electricity tariff.

Electricity that is NOT counted in calculating the grid average emissions factor:

Where zero or low carbon electricity is sourced from the grid or otherwise transmitted to the company and that electricity is not counted in calculating the grid average, the emissions factor specific to that method of generation can be used, provided that any certificates quantifying GHG-related environmental benefits claimed for the electricity are not sold or passed on separately from the electricity purchased.

[Click here](#) to see the instructions from the previous page on answering question 11.

Please answer the following questions using Table 5.

Please provide:

11.1. Total gross global Scope 2 GHG emissions in metric tonnes of CO<sub>2</sub>-e.

Please break down your total gross global Scope 2 emissions by:

11.2. Country or region

Please provide CDP with responses to questions 11.1 and 11.2 for the three years prior to the current reporting year if you have not done so before or if this is the first time you have answered a CDP information request. Please work backwards from the current reporting year, so that you enter data for your oldest reporting period last. Table 5 will be automatically populated with the dates that you gave in answer to 7.1.

Table 5 - Please use whole numbers only. Use the "Other" option in the drop down menu to enter the name of a region.

Reporting year Q7.1 Start date	01/01/2008
Reporting year Q7.1 End date	31/12/2008
11.1 Total gross global Scope 2 GHG emissions in metric tonnes CO <sub>2</sub> -e	31731
11.2 Gross Scope 2 emissions in metric tonnes CO <sub>2</sub> -e by country or region	

Your answer to 11.1 will be automatically carried forward to tables 6 and 7 below if you add a country or region in answer to 11.2 or press "Save" at the end of the page.

Where it will facilitate a better understanding of your business, please also break down your total global Scope 2 emissions by:

- 11.3. Business division
- and/or
- 11.4. Facility

11.3. Business division (only data for the current reporting year requested)

Table 6 - Please use whole numbers only.

Business Divisions - Enter names below	Scope 2 Metric tonnes CO2-e
<b>Total gross global Scope 2 GHG emissions in metric tonnes CO<sub>2</sub>-e - answer to question Q11.1</b>	<b>31731</b>

11.4. Facility (only data for the current reporting year requested)

Table 7 - Please use whole numbers only.

Facilities - Enter names below	Scope 2 Metric tonnes CO2-e
<b>Total gross global Scope 2 GHG emissions in metric tonnes CO<sub>2</sub>-e - answer to question Q11.1</b>	<b>31731</b>

11.5. If you have not provided any information about Scope 2 emissions in response to the questions above, please explain your reasons and describe any plans you have for collecting Scope 2 GHG emissions information in future.

Further information

## 12. Contractual Arrangements Supporting Particular Types of Electricity Generation: (CDP6 Q2(b)(i)- Guidance)

12.1. If you consider that the grid average factor used to report Scope 2 emissions in question 11 does not reflect the contractual arrangements you have with electricity suppliers, (for example, because you purchase electricity using a zero or low carbon electricity tariff), you may calculate and report a contractual Scope 2 figure in response to this question, showing the origin of the alternative emission factor and information about the tariff.

12.2. If you retire any certificates (eg: Renewable Energy Certificates) associated with zero or low carbon electricity, please provide details.

Further information

## 13. Scope 3 Other Indirect GHG Emissions: (CDP6 Q2(c))

For each of the following categories, please:

- Describe the main sources of emissions,
- Report emissions in metric tonnes of CO<sub>2</sub>-e,
- state the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

Notes about question 13

When providing answers to question 13, please do not deduct offset credits, Renewable Energy Certificates etc, or net off any estimated avoided emissions from the export of renewable energy, carbon sequestration (including enhanced oil recovery) or from the use of goods and services. Opportunities to provide details of activities that reduce or avoid emissions are provided elsewhere in the information request.

Carbon dioxide emissions from biologically sequestered carbon e.g. carbon dioxide from burning biomass/biofuels should be reported separately from emissions Scopes 1, 2 and 3. If relevant, please report these emissions in question 15. However, please do include any nitrous oxide or methane emissions from biomass/biofuel combustion in your emissions under the three scopes.

13.1 Employee business travel  
Describe the main sources of emissions

Medium and Long Haul flights were the major contributing factor for Scope 3 travel emissions.

Emissions in metric tonnes CO<sub>2</sub>-e.

9536

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

The calculations used to quantify GHG emissions associated with employee business travel were conducted in accordance with the WRI/WBCSD GHG Protocol. Data were collected for employee travel such as air travel and rental car usage. The appropriate metrics were then utilized to quantify GHG emissions according to WRI/WBCSD GHG Protocol guidance.

### 13.2. External distribution/logistics

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

### 13.3 Use/disposal of company's products and services

For auto manufacture and auto component companies – please refer to the additional questions for these sectors before completing question 13.3.

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

### 13.4 Company supply chain

Describe the main sources of emissions

Emissions in metric tonnes CO<sub>2</sub>-e.

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

### 13.5 Other

If you are reporting emissions that do not fall into the categories above, please categorise them into transferred emissions and non-transferred emissions (please see guidance for an explanation of these terms).

Please report transfers in the first three input fields and non-transfers in the last three input fields.

Transfers

Describe the main sources of emissions

Transfers

Report emissions in metric tonnes of CO<sub>2</sub>-e.

Transfers

State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

Non-transfers  
Describe the main sources of emissions

Non-transfers  
Report emissions in metric tonnes of CO<sub>2</sub>-e.

Non-transfers  
State the methodology, assumptions, calculation tools, databases, emission factors (including sources) and global warming potentials (including sources) you have used for calculating emissions.

13.6 If you have not provided information about one or more of the categories of Scope 3 GHG emissions in response to the questions above, please explain your reasons and describe any plans you have for collecting Scope 3 indirect emissions information in future.

Further information

#### 14. Emissions Avoided Through Use Of Goods And Services (New for CDP 2009)

14.1. If your goods and/or services enable GHG emissions to be avoided by a third party, please provide details including the estimated avoided emissions, the anticipated timescale over which the emissions are avoided and the methodology, assumptions, emission factors (including sources), and global warming potentials (including sources) used for your estimations.

##### Tellabs makes networks more energy-efficient

- Many of our products combine what were previously separate network elements, which reduces power consumed per bit.
- The Tellabs 7100 optical transport system reduced Verizon's network energy consumption up to 65%, compared with the previous network architecture.  
Source: Customer case study in Telephony Magazine - Comparison of current network (stacked ADM rings and SONET ADMs) with a new dynamic optical network (utilizing ROADMs with integrated SONET).
- The Tellabs 8800 multiservice router series reduces overall power consumption up to 50%, compared with the previous network.
- The new high-density shelf for the Tellabs 5500 digital cross-connect uses far less energy, 40% less per OC-3 port and 60% less per OC-12 and OC-48 port (compared with the previous shelf).  
When compared to standard density optics, the new shelf uses 80% less energy for OC-3 and OC-12 ports.
- We estimate that one of our customers can save \$1 million a year on energy by deploying this new shelf.
- Tellabs optical network terminals have a built-in standby mode that reduces power consumption by nearly half (45%).
- We are focusing R&D resources on innovating to save energy.
- Tellabs is one of several partners working on the Scalable Advance Ring-based passive Dense Access Network Architecture, or SARDANA, project. This three-year global research project will enhance the performance of FTTP networks by merging both Access and Metro networks into one. With reach and density provided by SARDANA, customers would be able to replace 32 central offices with passive nodes.

Further information

#### 15. Carbon Dioxide Emissions from Biologically Sequestered Carbon: (New for CDP 2009)

An example would be carbon dioxide from burning biomass/biofuels.

15.1. Please provide the total global carbon dioxide emissions in metric tonnes CO<sub>2</sub> from biologically sequestered carbon.

Emissions in metric tonnes CO<sub>2</sub> - Please use whole numbers only

Further information

Tellabs does not collect data that would allow us to provide a response to this new question. We will ask for additional information from our utility company.

16. Emissions Intensity: (CDP6 Q3(b))

16.1. Please supply a financial emissions intensity measurement for the reporting year for your combined Scope 1 and 2 emissions.

Please describe the measurement.

[Tellabs is exploring the most relevant intensity target and is waiting to have a complete inventory on which to base a solid target.](#)

16.1.1. Give the units. For example, the units could be metric tonnes of CO<sub>2</sub>-e per million Yen of turnover, metric tonnes of CO<sub>2</sub>-e per US\$ of profit, metric tonnes of CO<sub>2</sub>-e per thousand Euros of turnover.

16.1.2. The resulting figure.

Use a decimal point if necessary. Please use a "." rather than a ",", i.e. please write 15.6 rather than 15,6

16.2. Please supply an activity related intensity measurement for the reporting year for your combined Scope 1 and 2 emissions.

Please describe the measurement.

16.2.1. Give the units e.g. metric tonnes of CO<sub>2</sub>-e per metric tonne of output or for service sector businesses per unit of service provided.

16.2.2. The resulting figure.

Use a decimal point if necessary. Please use a "." rather than a ",", i.e. please write 15.6 rather than 15,6

Further information

17. Emissions History: (CDP6 Q2(f))

17.1. Do emissions for the reporting year vary significantly compared to previous years?

[No - Please go to question 18.](#)

If the answer to 17.1 is Yes:

17.1.1. Estimate the percentage by which emissions vary compared with the previous reporting year.

This box will accept numerical answers containing a decimal point. Please use "." not ",", i.e. write 10.6, not 10,6.

Have the emissions increased or decreased?

Further information

18. External Verification/Assurance: (CDP6 Q2(d))

18.1. Has any of the information reported in response to questions 10 – 15 been externally verified/assured in whole or in part?

[None of the information provided in response to question 10-15 has been externally verified/assured in whole or in part. Please go to question 18.6.](#)

It would aid automated analysis of responses if you could select responses from the tick boxes below. However, please use the text box provided if the tick boxes menu options are not appropriate.

18.2. State the scope/boundary of emissions included within the verification/assurance exercise.

Please use the text box below to describe the scope/boundary of emissions included within the verification/assurance exercise if the tick box menu options above are not applicable.

18.3. State what level of assurance (eg: reasonable or limited) has been given.

18.4. Provide a copy of the verification/assurance statement.

Please attach a copy/copies.

18.5. Specify the standard against which the information has been verified/assured.

18.6. If none of the information provided in response to questions 10-15 has been verified in whole or in part, please state whether you have plans for GHG emissions accounting information to be externally verified/assured in future.

The 2008 Tellabs GHG emissions inventory has not been verified. However, Tellabs worked with an experienced environmental consulting firm to build the 2007 inventory and has high confidence in the data collection processes utilized and in the methodologies used to quantify the resulting GHG emissions. Tellabs is building a robust foundation that will enable constant, year over year improvement in both data quality and completeness. Tellabs' commitment to the WRI/WBCSD GHG Protocol principles and continual improvement in inventory quality will result in the verifiability of future GHG inventories.

Further information

19. Data Accuracy: (CDP6 Q2(e) – New wording for CDP 2009)

19.1. What are the main sources of uncertainty in your data gathering, handling and calculations e.g.: data gaps, assumptions, extrapolation, metering/measurement inaccuracies etc?

If you do not gather emissions data, please select emissions data is NOT gathered and proceed to question 20.

[Emission data is gathered.](#)

[Tellabs manages the accuracy through billing documents provided by the utilities company and facilities management.](#)

19.2. How do these uncertainties affect the accuracy of the reported data in percentage terms or an estimated standard deviation?

19.3. Does your company report GHG emissions under any mandatory or voluntary scheme (other than CDP) that requires an accuracy assessment?

[No \(Please go to question 20.\)](#)

19.3.1 Please provide the name of the scheme.

19.3.2. Please provide the accuracy assessment for GHG emissions reported under that scheme for the last report delivered.

Further information

20. Energy and Fuel Requirements and Costs: (New for CDP 2009)

Please provide the following information for the reporting year:

Cost of purchased energy

20.1. The total cost of electricity, heat, steam and cooling purchased by your company.

[6344654](#)

Select currency

United States dollar

20.1.1. Please break down the costs by individual energy type.

Table 8 - The "Cost" column will not accept text. Please use whole numbers only.

Energy type	Cost	Currency
Electricity	5303690	United States dollar
Heat	1024591	United States dollar
Steam	0	United States dollar
Cooling	0	United States dollar

Cost of purchased fuel

20.2. The total cost of fuel purchased by your company for mobile and stationary combustion.

1052166

Select currency

United States dollar

20.2.1. Please breakdown the costs by individual fuel type.

Table 9 - The cost column will not accept text. Please use whole numbers only.

Mobile combustion fuels	Cost	Currency
Gasoline / petrol	16374	United States dollar
Diesel	3739	United States dollar

Stationary combustion fuels	Cost	Currency
Natural gas	526341	United States dollar
Diesel	11201	United States dollar

Energy and fuel inputs

The following questions are designed to establish your company's requirements for energy and fuel (inputs). Please note that MWh is our preferred unit for answers as this helps with comparability and analysis. Although it is usually associated with electricity, it can equally be used to represent the energy content of fuels (see CDP 2009 Reporting Guidance for further information on conversions to MWh).

Purchased energy input

20.3 Your company's total consumption of purchased energy in MWh.

Please use whole numbers only.

59595 MWh

Purchased and self produced fuel input

20.4. Your company's total consumption in MWh of fuels for stationary combustion only. This includes purchased fuels, as well as biomass and self-produced fuels where relevant.

Please use whole numbers only.

In answering this question and the one below, you will have used either Higher Heating Values (also known as Gross Calorific Values) or Lower Heating Values (also known as Net Calorific Values).

Please state which you have used in calculating your answers.

20.4.1. Please break down the total consumption of fuels reported in answer to question 20.4 by individual fuel type in MWh.

Table 10 - Please use whole numbers only

Stationary combustion fuels	MWh
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Energy output

In this question we ask for information about the energy in MWh generated by your company from the fuel that it uses. Comparing the energy contained in the fuel before combustion (question 20.4) with the energy available for use after combustion will give an indication of the efficiency of your combustion processes, taking your industry sector into account.

20.5. What is the total amount of energy generated in MWh from the fuels reported in question 20.4?

Please use whole numbers only.

20.6. What is the total amount in MWh of renewable energy, excluding biomass, that is self-generated by your company?

Please use whole numbers only.

Energy exports

This question is for companies that export energy that is surplus to their requirements. For example, a company may use electricity from a combined heat and power plant but export the heat to another organisation.

20.7. What percentage of the energy reported in response to question 20.5 is exported/sold by your company to the grid or to third parties?

Please use whole numbers only.

20.8. What percentage of the renewable energy reported in response to question 20.6 is exported/sold by your company to the grid or to third parties?

Please use whole numbers only.

Further information

21. EU Emissions Trading Scheme: (CDP6 Q2(g)(i) – New wording for CDP 2009)

Electric utilities should report allowances and emissions using the table in question EU5.

21.1. Does your company operate or have ownership of facilities covered by the EU Emissions Trading Scheme (EU ETS)?

[No \(Please go to question 22.\)](#)

Please give details of:

21.2. The allowances allocated for free for each year of Phase II for facilities which you operate or own. (Even if you do not wholly own facilities, please give the full number of allowances).

Table 11 - Please use whole numbers only.

	2008	2009	2010	2011	2012
<b>Free allowances metric tonnes CO2</b>					

21.3. The total allowances purchased through national auctioning processes for the period 1 January 2008 to 31 December 2008 for facilities that you operate or own. (Even if you do not wholly own facilities, please give the total allowances purchased through auctions by the facilities for this period).

Total allowances purchased through auction

21.4. The total CO<sub>2</sub> emissions for 1 January 2008 to 31 December 2008 for facilities which you operate or own. (Even if you do not wholly own facilities, please give the total emissions for this period.)

Total emissions in metric tonnes

Further information

## 22. Emissions Trading: (CDP6 Q2(g)(ii) - New wording for CDP 2009)

Electric utilities should read EU6 before answering these questions.

22.1. Please provide details of any emissions trading schemes, other than the EU ETS, in which your company already participates or is likely to participate within the next two years.

[We do not participate or anticipate participating in any trading schemes within the next two years. \(Please go to question 22.3\)](#)

22.2. What is your overall strategy for complying with any schemes in which you are required or have elected to participate, including the EU ETS?

Further information

## 22. Carbon credits

22.3. Have you purchased any project-based carbon credits?

[No. \(Please go to question 22.5\)](#)

Please indicate whether the credits are to meet one or more of the following commitments:

Please also:

22.4 Provide details including the type of unit, volume and vintage purchased and the standard/scheme against which the credits have been verified, issued and retired (where applicable).

22.5. Have you been involved in the origination of project-based carbon credits?

[No. \(Please go to question 22.7\)](#)

22.6. Please provide details including:

- Your role in the project(s),
- The locations and technologies involved,
- The standard/scheme under which the projects are being/have been developed,
- Whether emissions reductions have been validated or verified,
- The annual volumes of generated/projected carbon credits,
- Retirement method if used for own compliance or offsetting.

22.7. Are you involved in the trading of allowances under the EU ETS and/or project-based carbon credits as a separate business activity, or in direct support of a business activity such as investment fund management or the provision of offsetting services?

[No. \(Please go to question 23\)](#)

22.8. Please provide details of the role performed.

Further information

## Performance

23. Reduction plans & goals: (CDP6 Q3(a))

23.1. Does your company have a GHG emissions and/or energy reduction plan in place?

No. (Please answer the following question and then continue with 23.3)

23.2. Please explain why.

It would aid automated analysis of responses if you could select a response from the options below as well as using the text box. However, please just use the text box provided if the options are not appropriate.

In process of being defined

If the menu options above are not appropriate, please answer the question using the text box below:

No, we do not currently have a plan in place for the following reason(s):

Tellabs is committed to protecting the environment and making changes to decrease our overall GHG emissions profile. Tellabs is in the first year of gathering data and plans

to expand its data collection in the year to come so that a complete footprint can be developed and assessed. Tellabs does not currently have sufficient data to put a specific

emissions reduction plan in place, but anticipates that a GHG reduction plan will be feasible in the near future.

Tellabs does have programs in place that demonstrate its significant environmental commitments. Many of Tellabs environmentally related policies and commitments have a

positive impact on its overall GHG emissions profile, but were not necessarily created specifically to reduce GHG emissions. These policies and commitments can be segmented

into three broad categories: regulatory compliance, facilities, and general environmental policies and programs. Examples of each can be found below.

Regulatory

European Waste Electronic and Electrical Equipment Directive:

Tellabs WEEE procedure/take back program and Environmental Policy are available on our website [www.tellabs.com](http://www.tellabs.com).

EU Restriction on Use of Certain Hazardous Substances:

Tellabs focuses on limiting the use of hazardous substances in the design/manufacture of our products.

Facilities

Landscape

Tellabs' xeriscape headquarters campus features indigenous plantings, natural areas, and stormwater runoff catchment in campus ponds. It requires little to no fertilization,

irrigation, or maintenance.

Buildings

- Use lighting control and occupancy sensors

- Water saving faucets and closets

- Motion sensors in conference rooms to reduce electrical consumption from lighting

- Zone control

- High efficiency lighting systems & building equipment

- Occupancy dependent temperature controls

- HVAC free cooling/economizer VFD

General Environmental Policies and Programs

- Separation of recyclables according to glass, paper, and plastic

- IT hardware recycled by suppliers and through local recyclers

- Products designed with Design for Environment principles such as updateability and configurability resulting in waste minimization and energy conservation

- Lease terms designed to encourage landlord investment in energy efficiency

- Reusable cups encouraged through a discount incentive

- Mobile phone recovery and recycling program

- Purchasing policies that in certain instances favor products produced in an environmentally sensitive manner

- Recycling containers located in each headquarters office and conference room and in the cafeteria

- Toner cartridge recycling program

- Packaging pallets recycling program

Goal setting

23.3. Do you have an emissions and/or energy reduction target(s)?

No. (Please go to question 23.8)

23.4 What is the baseline year for the target(s)?

Tellabs is exploring the most relevant intensity target and is waiting to have a complete inventory on which to base a solid target.

23.5. What is the emissions and/or energy reduction target(s)?

23.6. What are the sources or activities to which the target(s) applies?

23.7. Over what period/timescale does the target(s) extend?

Further information

### 23. GHG emissions and energy reduction activities

23.8. What activities are you undertaking or planning to undertake to reduce your emissions/energy use?

Tellabs is committed to protecting the environment and making changes to decrease our overall GHG emissions profile. Tellabs is in the first year of gathering data and plans to expand its data collection in the year to come so that a complete footprint can be developed and assessed. Tellabs does not currently have sufficient data to put a specific emissions reduction plan in place, but anticipates that a GHG reduction plan will be feasible in the near future. Tellabs does have programs in place that demonstrate its significant environmental commitments. Many of Tellabs environmentally related policies and commitments have a positive impact on its overall GHG emissions profile, but were not necessarily created specifically to reduce GHG emissions. These policies and commitments can be segmented into three broad categories: regulatory compliance, facilities, and general environmental policies and programs. Examples of each can be found below.

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- Recycling containers located in each headquarters office and conference room and in the cafeteria
- Toner cartridge recycling program
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Further information

### 23. Goal evaluation

23.9. What benchmarks or key performance indicators do you use to assess progress against the emissions/energy reduction goals you have set?

Tellabs is in the process of adding KPI's to each Development Team which will track energy and design related progress.

Further information

### 23. Goal achievement

23.10. What emissions reductions, energy savings and associated cost savings have been achieved to date as a result of the plan and/or the activities described above? Please state the methodology and data sources you have used for calculating these reductions and savings.

We do not have sufficient data collected to provide improvement data. Tellabs will continue to collect and evaluate improvements.

23.11. What investment has been required to achieve the emissions reductions and energy savings targets or to carry out the activities listed in response to question 23.8 and over what period was that investment made?

Table 13 - The "Investment number" column will not accept text. Please use whole numbers only.

Emission reduction target/energy saving target or activity	Investment number	Investment currency	Timescale
--	-------------------	---------------------	-----------

Further information

### 23. Goal planning & investment

Electric utilities should read the table in question EU3 for giving details of forecasted emissions.

23.12. What investment will be required to achieve the future targets set out in your reduction plan or to carry out the activities listed in response to question 23.8 above and over what period do you expect payback of that investment?

Table 14 - The "Number" column will not accept text. Please use whole numbers only.

Plan or action	Investment number	Investment currency	Payback
----------------	-------------------	---------------------	---------

23.13. Please estimate your company's future Scope 1 and Scope 2 emissions for the next five years for each of the main territories or regions in which you operate or provide a qualitative explanation for expected changes that could impact future GHG emissions.

If possible, please use table 15 below to structure your answer to the question or alternatively use the text box below.

[We do not forecast our emissions.](#)

Scope 1 forecasted emissions in Table 15 below are in the following units.

Scope 2 forecasted emissions in Table 15 below are in the following units.

Table 15 - The "Scope" columns will not accept text. Please use whole numbers only.

Type in the name of the territory or region for which you are giving data and then press "Add Territory/Region". If giving a global figure instead of separate figures for regions or territories, please write "global" in the box labelled "Enter name of territory or region".

[Click here to see a sample table.](#)

Future reporting years:										
End date for year end DD/MM/YYYY										
Emission forecasts	Scope 1	Scope 2	Scope 1	Scope 2	Scope 1	Scope 2	Scope 1	Scope 2	Scope 1	Scope 2

23.14. Please estimate your company's future energy use for the next five years for each of the main territories or regions in which you operate or provide a qualitative explanation for expected changes that could impact future GHG emissions.

If possible, please use table 16 below to structure your answer to the question or alternatively use the text box below.

Table 16 - Please use whole numbers only.

Type in the name of the territory or region for which you are giving data and a description of the data you are giving e.g. electricity consumption. Then press "Add Row". If giving a global figure instead of separate figures for regions or territories, please use the word "global". This table will also accept different types of units e.g. units of volume or mass.

[Click here to see a sample table.](#)

Future reporting years:										
End date for year end DD/MM/YYYY										
Energy use estimates for territory/region	Number	Units	Number	Units	Number	Units	Number	Units	Number	Units

23.15. Please explain the methodology used for your estimations and any assumptions made.

Further information

### 24. Planning: (CDP6 Q3(c))

24.1. How do you factor the cost of future emissions into capital expenditures and what impact have those estimated costs had on your investment decisions?

[We do not currently factor cost of emissions against capital expense.](#)

Further information

## Governance

### 25. Responsibility: (CDP6 Q4(a))

25.1. Does a Board Committee or other executive body have overall responsibility for climate change?

Yes. (Please answer question 25.3 and 25.4)

25.2 Please state how overall responsibility for climate change is managed and indicate the highest level within your company with responsibility for climate change.

The Tellabs Corporate Responsibility committee has overall responsibility for climate change policy and management. This executive-level committee is comprised of representatives from the following offices or groups:

- Environmental Affairs,
- Facilities/EHS,
- Corporate Communications,
- Compliance,
- Human Resources,
- Legal,
- Investor Relations, and
- Risk Management.

25.3. Which Board Committee or executive body has overall responsibility for climate change?

The Tellabs Corporate Responsibility committee has overall responsibility for climate change

25.4. What is the mechanism by which the Board or other executive body reviews the company's progress and status regarding climate change?

Quarterly meetings

Further information

### 26. Individual Performance: (CDP6 Q4(b))

26.1. Do you provide incentives for individual management of climate change issues including attainment of GHG targets?

No. (Please go to question 27.1)

26.2. Are those incentives linked to monetary rewards?

26.3. Who is entitled to benefit from those incentives?

Further information

### 27. Communications: (CDP6 Q4(c))

27.1. Do you publish information about the risks and opportunities presented to your company by climate change, details of your emissions and plans to reduce emissions?

We see a huge growth opportunity for information/communications technology (ICT) in saving energy.

-- A recent report called Smart 2020, written by an independent non-profit, The Climate Group, and the Global e-Sustainability Initiative (GeSI), details potential savings achievable by the year 2020 from applying ICT. The supporting analysis was conducted independently by the consulting firm McKinsey & Company.

Some of their conclusions:

-- The ICT sector could help save \$800 billion annually in energy use through applications such as:

- smart building design and use
- smart logistics
- smart electricity grids
- smart industrial motor systems and

-- replacing physical products with virtual equivalents.  
-- Those energy savings would reduce total global man-made carbon emissions by as much as 15% (compared with business as usual) ... or about five times the total carbon emissions of the ICT industry.  
-- We see huge growth opportunities here for our customers and our industry here. This opportunity is too big to ignore.  
-- Tellabs helped Brazilian railroad MRS Logistica centralize its management system to enable "smart logistics." Now MRS can put more trains on the tracks, increasing its revenue and its profit potential. Compared with trucks, trains save energy and reduce carbon emissions

If so, please indicate which of the following apply and provide details and/or a link to the documents or a copy of the relevant excerpt:

27.2. The company's Annual Report or other mainstream filings.

No

27.3. Voluntary communications (other than to CDP) such as Corporate Social Responsibility reporting.

No

Further information

28. Public Policy: (CDP6 Q4(d))

28.1. Do you engage with policymakers on possible responses to climate change including taxation, regulation and carbon trading?

Yes

Industry standards will enable a more efficient approach to achieving energy-efficiency

-- Tellabs is a member of TechAmerica (formerly AeA)  
-- Tellabs is working with the Alliance for Telecommunications Industry Solutions (ATIS) to set industry standards on how to measure energy-efficiency. We urge the industry to back a uniform set of standards (as server farms are doing with SPECpower and appliance makers did with Energy Star ratings).  
-- ATIS has agreed on general specifications, which define the Telecom Energy Efficiency Ratio (TEER) as useful work, divided by power.  
-- Tellabs began the process to declare a TEER value for each of our products.  
-- Definitions and measurement for useful work vary by product class and are addressed by ATIS's supplemental standards.  
-- Currently approved: transport and server standards.  
-- A router and Ethernet switch standard is expected in June.  
-- A DC power system requirement is in review  
-- By working in accordance with industry standards, Tellabs will be able to provide more meaningful energy-efficient measurements.  
-- Tellabs is working with TIA to set a U.S. industry agenda for making our industry more energy-efficient and greener. For example, Rob spoke at NXTcomm (2008) on making networks greener.

Further information

Supplier Module

SM 1 Ability to Split Scope 1 and 2 Emissions by Business Category

The aim of these questions is to help your customers estimate the extent to which your Scope 1 and Scope 2 emissions are linked with their purchases of services or goods from you.

Please note that we use the term "product" to cover both goods and services.

SM 1.1 Are you able to break down your total Scope 1 and Scope 2 emissions by the following categories:

- Business division
- Business unit
- Factory
- Product group
- Other

Please give details in each case.

Business division?

Business unit?

Factory?

Product group?

Other

Unable to breakdown by category?

Further information

### SM 1.2 Splitting Scope 1 and Scope 2 Emissions by Category

SM 1.2. Using your preferred method (question SM 1.1) for splitting emissions, please consider what are the five biggest emitting categories (e.g. business units or product groups) for your company? For each of the five biggest emitting categories, plus any other categories specified by your customer(s), please complete the table SM1.2.

[Click here to see a sample of a completed table.](#)

Please complete this table. Use the figure given in answer to question 11.1. as the basis for your Scope 2 emissions.

	Category e.g. business division, business unit, factory, product group.	Total emissions (number)	Total emissions Units of measure e.g. metric tonnes CO2-e	Do these represent emissions from Scope 1 only, Scope 2 only, or both?	Output	Units	Major emission Sources
Group 1							
Group 2							
Group 3							
Group 4							
Group 5							
Total							

Further information

### SM 1.3 Methodology

SM 1.3. Please explain how you have identified the GHG sources listed in the previous question, including major limitations to this process and assumptions made.

Describe your system for allocating emissions to the groups in the table.

Where published information has been used, please provide a reference(s).

Give the degree of confidence that you have in the figures expressed as a percentage, e.g. you estimate that they are accurate to +/- 15%.

If the allocation of emissions to different categories has been externally verified, please give details.

Further information

### SM 1.4 Challenges and Developments

What are the challenges in allocating emissions to different business categories and what would help you to overcome these challenges? Please describe whether and how you plan to develop your capabilities to allocate your emissions in the future.

Further information

## SM 2. Your engagement with your suppliers

Your customers want to engage with you to learn more about the emissions from their immediate suppliers. The purpose of this section is to find out what you in turn are doing to engage with your own suppliers.

SM 2.1 Do you have a strategy for engaging with your suppliers on their GHG emissions and the impacts of climate change on their business? If so, please provide details of this strategy. To give a sense of the scale of this engagement, please include the number of suppliers with whom you are engaging and the proportion of your total spending that they represent.

If you do not have a strategy, please explain any plans you have to develop one in the future.

Further information

### SM 2.2 Use of data

If you have data on your suppliers' GHG emissions and climate change strategies, please explain how you make use of that data (for example: identifying major GHG sources to prioritise emissions reduction actions, identifying physical risks in the supply chain, stimulating innovation, etc).

Further information

## SM 3. Emissions over the lifecycle of goods and services

SM 3.1. Please list any major successes and/or planned activities to reduce GHG emissions in the lifecycle of groups of products or individual products, including an estimate of the possible reductions for each initiative.

SM 3.2 Do you offer customers information or steps they can take to reduce the GHG emissions associated with use of your products, and - in the case of goods - with their disposal? Please give examples.

Further information

### SM 3.3 and 3.4 Individual Request Questions

Some suppliers may have customers who request that they provide estimates of GHG emissions over a particular product's lifecycle. Others may have estimated this information for their own purposes and wish to publicise it. If you fall into either group, please answer the following question and then complete the table SM 3.4.

SM 3.3 Please give details of the method that you have used to estimate lifecycle emissions. State if you have followed a published procedure (e.g. ISO 14040 & 14044 or PAS 2050) or one that you have developed yourself.

Clearly define the good or service for which data is being given and the boundary of your assessment. Please make it clear which GHGs and GHG sources are included in your assessment. If relevant GHGs and GHG sources are excluded, please describe them and give reasons for omissions.

Give references to data sources used.

If you are giving life cycle assessment (LCA) information for more than one product, please use this text box to describe your methodologies, each time making it clear to which product you are referring.

### SM 3.4. Emissions over the lifecycle of goods and services

An example of the lifecycle stages of a service might be - in the case of a hotel stay - check in, use of room, check out, cleaning.

Further information

